Periodic Review Report (PRR)

January 2013 - December 2013
Fort Edward Landfill
Leavy Hollow Road
Fort Edward, NY 12828
Site ID# 558001
Work Assignment D006130-22

Prepared for:
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

Prepared by:

HRP Engineering, P.C.
1 Fairchild Square Suite 110
Clifton Park, NY 12065
518.877.7101

Jennifer Kotch
Senior Project Geologist

Nancy Garry, P.E.
Project Manager

Submitted: January 2014

Table of Contents

REFERENCES:

List of Figures

List of Tables

List of Appendices

Periodic Review Report (PRR)
Fort Edward Landfill (Site ID#558001)
January 2013 – December 2013
Leavy Hollow Road
Fort Edward, Washington County, New York 12828

Report Submittal Date: January 30, 2014
Prepared by: Jennifer Kotch, Nancy Garry

HRP Associates, Inc.
dba HRP Engineering, P.C.
1 Fairchild Square, Suite 110
Clifton Park, New York 12065
Phone: (518) 877-7101 / Fax: (518) 877-8561

Project Address: Leavy Hollow Road, Fort Edward, New York

I (we) certify that regarding the above referenced project and/or environmental assessment work:

Certification, Limitations, and Statement of Independence

For each instructional or engineering control identified for the site, I certify that all of the following statements are true;

(a) The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
(b) Nothing has occurred that would impair the ability of such a control to protect public health and the environment;
(c) Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and
(d) Access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

This is certified as true and correct to the best of my (our) knowledge. The above information (and attachments) are subject to penalty for false statements under 18 U.S.C. section 1001.

Environmental Contractor: HRP Engineering, P.C.

By: Nancy Garry

Nancy Garry, P.E.

LIST OF ABBREVIATIONS

BCP	Brownfield Cleanup Program
bgs	below ground surface
COC	Contaminants of Concern
CWTS	Constructed Wetland Treatment System
DUSR	Data Usability Summary Report
EC	Engineering Controls
HRP	HRP Associates, Inc. dba HRP Engineering, P.C.
IC	Institutional Controls
LEL	Lower Explosive Limit
LTMP	Long Term Monitoring Plan
mg/kg	milligram per kilogram
NYSDEC	New York State Department of Environmental Conservation
OM&M	Operations Maintenance and Monitoring
PCB	Polychlorinated biphenyl
PID	Photoionization Detector
PRR	Periodic Review Report
QC	Quality Control
RA	Remedial Action
RACR	Remedial Action Completion Report
RI	Remedial Investigation
ROD	Record of Decision
RSO	Remedial System Evaluation
Site	Fort Edward Landfill Site # 558001
SMP	Site Management Plan
SVI	Soil Vapor Intrusion
SVOC	Semi-Volatile Organic Compound
TOC	Total Organic Compound
TOGS	Technical and Operations Guidance Series
ug/L	Micro grams per liter or parts per billion
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This document is required as an element of the remedial program at Fort Edward Landfill (hereinafter referred to as the "Site") located at Leavy Hollow Road, Fort Edward, Washington County, New York, under the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program administered by New York State Department of Environmental Conservation (NYSDEC). The site remediation was conducted in conformance with *DER-10: Technical Guidance for Site Investigation and Remediation* (NYSDEC, May 2010). This report is intended to meet the requirements of the Site Management Plan (SMP), which is currently under development pending the completion of site upgrades and completion of the Remedial System Optimization (RSO).

A Periodic Review Report (PRR) will be submitted to the Department every twelve (12) months or on a scheduled determined by the NYSDEC. The report will be prepared in accordance with NYSDEC DER-10.

2.0 SITE OVERVIEW

The Site is a mixed-waste landfill located in the Town of Fort Edward, New York (Figure 1). The Site is roughly 23 acres and is bounded by the Glens Falls Feeder Canal to the northeast; by a wooded area, private residences and commercial businesses (Burgoyne Avenue) to the northwest; by Leavy Hollow Lane and private residences to the west and southwest; by farm fields to the south and east; and by a bike path to the east.

The geology underlying the Site consists of variable thickness of glacially deposited soil underlain by black shale bedrock. The glacial soil consists of delta sands and interbedded sand-clay lenses. The deltaic sediments overlay lacustrine clay and glacial till. On site monitoring wells are screened in the shallow delta sands (MW-1, MW-2, MW-5, MW-6C, MW-7, and MW-8), the interbedded sand and clay (MW-2A and MW-6A), and the deeper lacustrine clays (MW-1A and MW-6B). The extraction wells (EW-1 through EW-3) and leachate collection well (EW-4) are screened at the landfill waste/delta sand interface.

The landfill contains non-hazardous municipal waste and hazardous industrial waste, including polychlorinated biphenyl (PCB)-containing electrical components and solvents. The landfill requires continued site management including operation, maintenance and monitoring (OM&M) of the active leachate collection and treatment system, which has been in operation since late 1998.

2.1 Site Description

Topography in the immediate vicinity of the site is characterized by undulating hills, interspersed with slopes and small depressions. The eastern portion of the site is distinguished as a flat, low-lying area which contains several substantial wetlands.

The Site is improved with a slab on grade structure which houses a leachate collection and treatment remediation system including three constructed wetland treatment system (CWTS). A gravel road provides access to the top of the landfill and the wetland expansion areas to the east. Nearby residences are located to the south and the west.

2.2 Site History

The Fort Edward Landfill was used for the disposal of approximately 70% municipal waste and approximately 30% PCB-containing scrap capacitor waste from General Electric, Inc., as well as solvents, from 1969 to 1982. Following a rise in public concern regarding the use of PCBs in the late 1970s, investigation began on the Fort Edward Landfill Site among others, and the Site was placed on the New York State Registry of Inactive Hazardous Waste Sites (Site No. 558001).

In 1984, the NYSDEC approved plans and specifications for a containment remedy for the landfill, but allowed the Town of Fort Edward to receive non-hazardous municipal waste until a waste management system was implemented. The landfill was closed in 1991, and a temporary soil cap was installed over the waste materials between 1990 and 1993.

The original on-site leachate collection and treatment system, which discharges treated water to the Glens Falls Feeder Canal to the northeast of the Site, consisted of:

- A groundwater/leachate collection trench and three extraction wells for plume control;
- An air stripper for treatment of VOCs;
- A holding tank;
- Three constructed wetland treatment cells consisting of phragmites plants and engineered soil to promote subsurface flow;
- An effluent collection “polishing” pond; and
- And the implementation of site controls, including fencing and groundwater monitoring.

The landfill was covered with a multi-layer cap in 1997 and 1998. The leachate collection and treatment system was designed by URS beginning in 1995, and construction began in July 1997. The remedial system began operating in September 1998. In October 1998, the air stripper was taken off-line since the VOCs were sufficiently being removed by the constructed wetland treatment system (CWTS). The O&M of the treatment system and groundwater monitoring responsibilities were assigned to AECOM on June 19, 2007. O&M responsibilities were then transferred from AECOM to Aztech Technologies, Inc. (Aztech) on May 28, 2009. Monitoring and maintenance reporting responsibilities were transferred to HRP in 2011, with Aztech still maintaining on-site OM&M activities.

2.2.1 Landfill Closure Activities

The Town of Fort Edward closed the landfill in 1990. Between 1990 and 1993, a temporary soil cap was in place over the waste mound. Since 1995, the following remedial actions have taken place:

- Site preparation required clearing and grubbing, removal of surficial debris, and installation of all temporary facilities including an on-site laboratory;

- Prior to installation of the final cover system, the entire landfill was rough graded. Over 110,000 cubic yards of stripped soils and excavated materials were relocated and compacted along with 46,000 cubic yards of imported structural fill;

- The gas collection system consisted of a 760-feet subsurface cut-off trench, gas cutoff barrier, cap vents, header piping, 120 gas monitoring piezometers, and five activated carbon vapor treatment units;

- The leachate collection system consisted of extraction wells, stone-filled collection trenches, a 2,300 linear foot, watertight PVC sheetpile cutoff wall, over 1,000-feet of gravity drain pipe and force mains, and related connections to the leachate treatment system;

- Leachate was then pumped to one of three 1.5 acre constructed wetland treatment systems (CWTS), configured in parallel, where *Phragmites australis* was used to perform phytoremediation of remaining leachate contaminants;

- In order to prevent compaction during the planting of the CWTS cells, a low ground pressure (Snow Cat) dozer was used to spread the high organic topsoil material. Manual plantings were performed with special footwear. All plantings were subject to survivability requirements which included isolation from invasive species;

- The CWTS cells were subjected to three successive test phases during four months of startup testing and analysis. Treated water discharged to an effluent collection pond prior to off-site drainage through existing channels;

- Wetland disturbance from CWTS construction and landfill closure activities required the installation of an additional 2 acres of wetlands, in addition to the CWTS cells; and

- Installation of the 144,000 square yard landfill cover included a multi-layered cover system, drainage swales, culverts, channels, downchutes, slope stabilization, aggregate roadways, gabion basket barriers, and stilling basins. Final restoration work placed topsoil and seed over 32 acres and installed 6,000 feet of security fence.

2.2.2 Current Status

The groundwater remedial system was operational for several years until the conveyance system was unable to convey the raw groundwater to the treatment building. Portions of the system were reconstructed in 2011 and 2012, and the following improvements were implemented in 2013:

- A pre-fabricated steel building addition abutting the existing building was erected on a engineered concrete pad installed to house the additional remediation system equipment;
- A clarifier, sludge thickening tank and decant storage tank were installed in the footprint of the building addition;

- Modeling the current system influent and effluent contaminate concentration levels to determine gallons per minute flow and removal rates;
- Re-evaluate biota for use in the CWTS;
- Investigation of the effluent line in the CWTS with a video camera;
- Determine infiltration rates and sediment deposit in CWTS;
- Soil Vapor Intrusion Investigation in April 2013;
- CWTS evaluation including sediment sampling in August 2013; and
- Sediment sampling of the polishing pond in October 2013.

The groundwater remedial system should remain in operation to treat elevated iron, PCBs, and volatile organic compound (VOC) concentrations.

During this reporting period, additional repairs to the system were conducted. In September 2013, Aztech and HRP evaluated the telemetry unit for the system to ensure that the existing Programmable Logic Controller (PLC) could handle the purposed system upgrades scheduled for 2014. The existing heating system was also evaluated and found to be inadequate to heat the square footage of the building after the addition is completed. Aztech will design a geothermal system utilizing the influent process water once a sustained influent flow volume is calculated.

3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

3.1 Remedial Action Objectives

A Site Management Plan (SMP) is currently under development pending the completion of system upgrade evaluation and the Remedial System Optimization (RSO). A Record of Decision (ROD) does not exist for the Fort Edward Landfill; however, an O&M Manual for the Site is available (URS, February 2000). A review of the O&M manual and *DER-10: Technical Guidance for Site Investigation and Remediation* (NYSDEC, May 2010) suggest the following remedial goals should be applied to the Fort Edward Landfill Site:

- Prevent ingestion of groundwater outside of the landfill boundaries with contaminant levels exceeding drinking water standards;
- Prevent contact with or inhalation of volatiles from contaminated groundwater;
- Prevent discharge of contaminants to surface water; and
- Maintenance and compliance of engineering and institutional controls.

3.2 Institutional and Engineering Control Plan

Institutional Controls at the Site consist of:

- O&M Manual
- Groundwater Use Restriction
- Landuse Restriction
- Soil Management Plan
- SPDES Equivalent Program
- Surface Water Use Restriction

Engineering Controls at the Site consist of:

- Fencing/access control
- A landfill cover system
- Subsurface barriers
- Groundwater containment
- Leachate collection
- Stormwater collection and conveyance
- Leachate treatment and polishing (pump & treat)

3.3 Monitoring Plan Compliance

3.3.1 Confirm Compliance with Monitoring Plan

Activity	Required Frequency		Compliance Dates
	Monthly	Five-Quarter	
Influent/Effluent Sampling	X		Monthly
Water Level Gauging		X	October 2013
Groundwater Sampling		X	October 2013

3.3.2 Description of Site Inspections

Operation and Maintenance Plan Compliance

Aztech has performed Operation and Maintenance (O&M) of the remediation system in compliance with the treatment system's Operation and Maintenance Plan, since May 2009. Inspections are completed bi-weekly and recorded on an Inspection Form.

Evaluation of Treatment Units

The treatment units are operational but are not currently able to handle the volume of flow from the three extraction wells (EW-1 though EW-3) and the leachate collection well (EW-4) and groundwater collection trench. As such, EW-1 through EW-3 have not been pumped since prior to September 2012. CWTS distribution pumps within the treatment building are the limiting factor. Iron precipitate is fouling the pumps and distribution piping and preventing flow to the CWTS. Aztech has been using air and potable water to clean out these lines on a bi-weekly basis. In order to remedy this situation, a clarifier is proposed to be installed at the headworks of the treatment building to remove the iron sludge prior to the distribution system. The engineered concrete pad was poured in June 2013. To house the additional equipment, an engineered concrete pad was installed to accommodate the pre-fabricated steel building. The building erection was started on November 5, 2013, the clarifier, sludge thickening tank, and decant storage tank were placed on the pad and the building will be completed in February 2014. The auxiliary equipment (pumps, heaters) were specified and selected in December 2013 and will be installed once

the building is completed. Once all of above described equipment has been installed, EW-1 through EW-3 will be turned on and the system will be fully functional in compliance with the engineering controls.
The effectiveness of the remainder of the treatment system then be evaluated as part of a comprehensive Remedial System Optimization (RSO). The components of the RSO will include:

- Initial groundwater and surface water sampling;
- Monthly sampling of the leachate system samples;
- Verification and evaluation of the capture of the landfill plume;
- A review of the remedial system design documents (basis of design);
- An evaluation of the system operation to ensure the facility is operating as designed; and
- Recommendations for improvements in system performance.

Inspections of the treatment system have indicated that the CWTS are short-circuiting. The influent from the treatment building is being discharged in an area of each cell that is adjacent to the outlet control structure. This discharge location prevents the process wastewater from being treated by the whole surface area of the individual treatment cells. The discharge is following preferential pathways through the CWTS and is not utilizing the entire area of the CWST. A redesign of the influent lines to the cells will be included in the RSO report along with a proposal and cost to correct this issue. Sediment deposition was evaluated on August 8, 2013 and was not found to be an issue.

Site Maintenance

Site Maintenance activities that have been completed include mowing of the Site and the mainatence of phragmites to limit the growth of the plants to the CWTS. The roads are kept clear of ice and snow by a regional NYSDEC snow plow.

The landfill gas exhaust vents are past there useful life and should be replaced. The carbon treatment for the vents has been circumvented or removed on most vents.

The three recovery wells (EW-1 though EW-3) will be re-developed in 2014 to maximize the recovery potential of these wells. In addition, according to a review of historical data, MW-5 (which was not sampled for several years) was historically identified as having elevated VOC concentrations in groundwater. MW-5 will be re-installed as MW-5A in the spring of 2014.

3.3.3 Performance and Effectiveness Monitoring

Influent and Effluent

The effluent limitations from the O&M Manual, which is the SPDES Equalvent, for the discharge to the Fort Edward Feeder Canal are as follows:

Analyte	Concentration (ug/L, Daily Maximum)*
Instantaneous pH (Range)	6.0 -9.0 Standard Units
Total Dissolved Solids	500,000
Total Suspended Solids	50,000
Arsenic	150
Barium	3,500 (Daily Average)
Cadmium	1
Chromium (Total)	210
Cobalt	5
Copper	24
Iron	300
Lead	3.2
Mercury	0.8
Nickel	9.6
Vanadium	14
Zinc	170
Vinyl Chloride	50
Chloroethane	20
Methylene Chloride	50
1,1-Dichloroethane	30
1,2-Dichloroethene (Total)	30
Chloroform	150
Bromodichloromethane	30
Benzene	10
Toluene	10
Chlorobenzene	10
Ethylbenzene	10
Xylenes, Total	10
Phenols, Total Phenolics	8 (Daily Average)
Aroclor 1016 (PCB)	ND (0.065)
Aroclor 1221 (PCB)	ND (0.065)
Aroclor 1242 (PCB)	ND (0.065)

*Unless otherwise indicated
Ug/L = Micro grams per liter or parts per billion

The effluent limitations in the table above are based on the NYSDEC, Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1), "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations", dated June 1998. Using water class A, A-S, AA, AA-S, B, C (source of drinking water with fish propagation) – Type H(WS) and A(C).

The influent of the system was only collecting the leachate collection trench and two of the three groundwater recovery wells until September 2012. All three recovery wells were made fully operational in September 2012, however the remediation system could not process the volume of water generated. Currently, the three recovery wells are not online due to the volume processing restriction. Once the clarifier upgrade to the CWTS system is finalized and the associated equipment is placed online, the system will have the capability and capacity to treat the influent water from total combined recovery well output.

The effluent from the system has historically not met the effluent discharge limitations for iron. During this reporting period, the contract laboratory that is used to analyze the samples was changed. During this switch, the monthly samples have not been analyzed for iron. The switch occurred January 2012 and iron was not analyzed all year. This situation has been corrected and iron sampling will began again in March 2013.

The results of the pilot test that was performed in September 2012 in preparation for the proposed clarifier indicate that the proposed clarifier will alleviate these issues. During the September 2012 pilot test, a frac tank was utilized to collect the combined influent prior to distribution to the three treatment cells by the treatment building pumps. The pumps remained operational during the entire test as the frac tank provided the necessary removal of iron sediment prior to discharge to the cells. The Effluent from the Treatment Building exhibited concentrations below the TOGS standard during the pilot test.

A full evaluation of the performance of the collection system to remedy this situation will be presented in the Remedial System Optimization.

Groundwater Well Level Monitoring

The network of monitoring wells has been installed to monitor both up-gradient and down-gradient groundwater conditions at the Site (Figure 2). Groundwater monitoring will be performed every 15 months to assess the performance of the remedy and in accordance with the OM&M Work Plan. Prior to sampling each well, a depth-to-water measurement is taken using an electronic water level indicator.

Depth to groundwater was measured at the time of sample collection. Groundwater flow was determined to be to the east in the unconsolidated saturated zone. Groundwater flow direction is consistent with previous flow direction measurements. See Figure 2 for a site plan with 2013 groundwater flow depicted.

The following Table 1 lists the depths to groundwater measured during the October 2013 sampling event:

Table 1 – Groundwater Elevations

Well ID	Elevation of riser *	Depth to GW (ft) October 15 through 21, 2013	GW Elevation October 15 through 21, 2013	Well Depth (ft)
MW-1	**258.87**	38.48	220.39	48.60
MW-1A	**257.51**	40.03	217.48	65.07
MW-1D	**---**	40.82	NA	71.01
MW-2	**192.59**	7.79	184.8	18.24
MW-2A	**192.4**	8.96	183.44	26.80
MW-4		6.44		7.53
MW-5	**---**	NA	NA	10.50
MW-06A	**193.61**	10.57	183.04	61.30
MW-6B	**193.68**	16.39	177.29	81.70
MW-6C	**193.08**	8.59	184.49	17.90
MW-7	**203.43**	17.89	185.54	27.50
MW-08	**240.24**	7.93	232.31	12.38
NEW-MW	**---**	7.73	NA	22.13

GW = Groundwater
NA = Not applicable
* Elevation Data from URS 1995 survey

Groundwater Sampling and Analysis

The fifteen month groundwater monitoring was conducted on October 15 through 21, 2013 to satisfy the sampling frequency requirement as defined in the OM&M Work Plan. The OM&M work plan called for sampling 13 onsite monitoring wells (MW-1, MW-1A, MW-1D, MW-2, MW-2A, MW-4, MW-5, MW-06A, MW-6B, MW-6C, MW-7, MW-8, and MW-NEW). Of note, extraction wells EW-1 through EW-3 and the leachate collection well, EW-4 were also sampled during the fifteen month groundwater monitoring event.

Each monitoring well and extraction well was purged of three well volumes using either a Monsoon® pump with low-flow sampling controller or a peristaltic pump, each with single-use disposable tubing. Prior to use at each monitoring well, the Monsoon® pump was decontaminated by a liquinox bath followed by a distilled water rinse. New tubing is used at each well location.

After purging up to three well volumes of groundwater, the groundwater was pumped through a flow cell equipped with a multi-parameter probe (e.g., YSI®) and temperature, conductivity, pH, turbidity, dissolved oxygen, and oxidation/reduction potential of the water are recorded on the sampling logs. All groundwater samples are bottled in laboratory-provided containers in a decreasing order of volatility. Samples were packed on ice, placed in cooler, and submitted under standard Chain-of-Custody (COC) procedures

to Test America in Albany, New York. Groundwater samples were analyzed for volatile organic compounds (VOC) by USEPA Method 8260, Contract Laboratory Program (CLP) Target Analyte List (TAL) metals, hardness as calcium carbonate, total organic carbon, methane, biochemical oxygen demand, total dissolved solids, sulfide, nitrate, alkalinity, and polychlorinated biphenyls (PCB) by Method 8082. A summary of the samples collected and their respective analysis is presented on Tables 2, 3, and 4.

MW-5 could not be sampled because the well could not be located during the sampling event.

3.3.4 Summary of Groundwater Monitoring

Groundwater monitoring was conducted on October 15 through 21, 2013 and included the collection of groundwater samples from twelve groundwater monitoring wells MW-1, MW-1A, MW-1D, MW-2, MW-2A, MW-4, MW-06A, MW-6B, MW-6C, MW-7, MW-8, and MW-NEW. Of note, Aztech mislabeled monitoring well MW-6C as MW-6 in the lab reports and on the COC during the October 2013 sampling. The report discussions, tables and figures have been edited to reflect the actual well name (MW-6C) with the correct results to be consistent with all sampling points. MW-5 was not available for sampling.

Out of the twelve groundwater monitoring wells, two monitoring wells (MW-6A and MW-6C) had detections of volatile organic compounds that exceeded the NYSDEC TOGS 1.1.1 groundwater standards for 1,2,4-trichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, benzene, and chlorobenzene. See Table 2 and Figure 3 for total VOCs in the groundwater.

In addition, the four extraction wells EW-1 through EW-4 sampled all had detection of VOCs that had exceedances of NYSDEC TOGS 1.1.1 standards and guidance, except EW-4.

Several TAL metals were detected in groundwater at concentrations above the laboratory minimum detection limits. A total of five metals (arsenic, iron, magnesium, manganese, and total sodium) were detected in groundwater at concentrations exceeding the NYSDEC TOGS 1.1.1 standards and guidance values. All sampled monitoring wells identified one or more metals at concentrations exceeding NYSDEC TOGS 1.1.1. Two metals exceeding its respective standard were iron and manganese. See Table 3 and Figure 4 for metals in the groundwater.

PCBs had not generally been detected in site groundwater until 2012, and it was detected in this round of groundwater sampling. PCBs were detected in groundwater samples from MW-New, EW-1, EW-3 and EW-4 in exceedance of NYSDEC class TOGS criteria. PCB's were detected in MW-6A during the past three sampling events (2008, 2011, and 2012). See Table 4 and Figure 5 for PCBs in the groundwater.

In addition, the groundwater samples were analyzed for miscellaneous analytes that are relevant to surface water and groundwater effluent standards (ammonia, hardness, phosphorus, COD, BOD, TSS, TDS, methane, sulfate, sulfide). Of those parameters analyzed, Ammonia, Ammonia Nitrogen, and total dissolved solids exceeded the respective standards (6 NYCRR Part 703.1-703.5).

3.3.5 Surface Water Sampling and Analysis

Surface water sampling and analysis are not discussed in this PRR. However, surface water sampling will be addressed in the facility's Remedial System Optimization.

3.3.6 CTWS Evaluation and Soil Sampling and Analysis

CTWS Evaluation

During the evaluation of the CTWS, a field inspection was completed in August 2013. The material in the CWTS was found to contain little surficial sedimentation and support a healthy population of phragmites. The existing piezometer well network in the CWTS cell appears to be intact, however access is limited due to the phragmites growth and the destruction of the access walkways to the wells. The effluent line located in the middle of the CWTS was investigated utilizing a video camera that was passed through the upgradient first quarter of the CWTS cell. The top quarter of the line was found to be free of obstructions, such as root growth or sedimentation, and was found to be in working order. Of note, the length of the video camera cord limited this investigation to the upgradient 100-feet of the 400-foot effluent line. The influent line to the CWTS is currently is not accessible for monitoring due to the lack of access ports or cleanout.

Soil sampling and analysis was completed on August 8, 2013 for Disposal Cell 3 (cell closest to the building), and on November 15, 2013 for the influent and effluent area of the polishing pond. Soil samples were examined in the field for physical evidence of contamination (i.e., odor, staining). HRP personnel maintained a detailed log of each sample, and recorded all pertinent field information on the logs. Upon collection, each soil sample was placed into a sealable (i.e., Ziploc®) bag, labeled, and was subjected to a headspace analysis for gross volatile organics via a photoionization detector (PID) that was field calibrated to manufactures standards, equipped with a 10.2 eV bulb. Soil sample locations are depicted on Figure 6 and summarized below. Soil sampling logs are available in Appendix B.

Soil Sample Submittal

Eleven soil samples were collected from select locations during CWTS cell 3 investigation on August 8, 2013 and three soil samples were collected at two locations from the polishing pond on November 15, 2013. The effluent soil samples for the polishing pond were collected from the same location, however due to sloughing in the boring, the grade to 6-inch below ground surface (bgs) interval was represented twice (Effluent 0-6" bgs and Effluent 0-1: bgs). All of the samples were analyzed for TAL Metals (via USEPA

6010) including mercury and PCBs. In addition, the eleven samples from the disposal cell were analyzed for TCL VOCs (via USEPA 8260B). Due to sample recovery volume limitations, duplicate samples or MS/MSDs were not submitted. Sample results are discussed below.

Analytical Results – Soil Samples for VOCs
VOCs were not detected among the fourteen soil samples tested from the disposal cell or from the polishing pond. There were no exceedances above NYSDEC Part 375 Protection of Public Health - Unrestricted SCOs for the VOC compounds detected.

Analytical Results – Soil Samples for Metals
Of the samples collected, two samples for metal (total chromium) from the soil at the effluent end of the polishing pond were detected with exceedances above Protection of Public Health -Residential. In addition, one metal (total chromium) from the soil at the influent location to the polishing pond also exceeded the sediment criteria for metals 375-6 SCO unrestricted in Table 5. The samples from the CWTS did not exceed for metals. Metal results for soil samples collected are listed in Table 5 and on Figure 6.

Analytical Results – Soil Samples for PCBs
PCBs were not detected among the fourteen soil samples analyzed.

Summary – Soil Samples
In summary, the soil samples from CWTS Cell 3 had no exceedances for the compounds analyzed. However, the two soil samples taken at the effluent side of the polishing pond exceeded the soil criteria for total chromium by the NYSDEC Part 375-6 SCO Restricted. In addition, the soil samples taken at the influent side of the polishing pond exceeded the soil criteria for total chromium by the NYSDEC Part 375-6 SCO Unrestricted.

3.3.7 Soil Vapor Intrusion Investigation

As a part of the ongoing maintenance of the For Edward Landfill, HRP completed a Soil Vapor Intrusion (SVI) Investigation of the surrounding area, located along Leavy Hollow Lane (Figure 7). The SVI Investigation included pre-sampling surveys in March 2013 and the collection and analysis of select soil vapor, indoor air and outdoor ambient air samples on April 10-11, 2013.

Pre-Sampling surveys were conducted at all three locations (23, 44, and 46 Leavy Hollow Road) sampled. No obvious evidence of soil vapor intrusion was observed during the surveys. Inventories of chemicals used and stored at all three locations indicated only typical household paints and cleaners. All observed floor drains and sumps were screened with the PID, for the presence of gross volatile organics. All PID readings were 0.0 ppm.

To evaluate the potential for gaseous vadose zone contamination to migrate from the Fort Edward Landfill to nearby properties, HRP collected two (2) samples from the outdoor ambient air (North Ambient and South Ambient), three (3) samples from the indoor ambient air (23 Leavy Indoor, 44 Leavy

Indoor and 46 Leavy Indoor) and three sub slab soil vapor samples (23 Leavy Sub Slab, 44 Leavy Sub Slab and 46 Leavy Sub Slab).

Analytical results indicate that no VOCs were detected above applicable NYSDOH criteria in the soil vapor, indoor air or outdoor ambient air analyzed. See Table 6 for results. For additional information, please reference the May 2013 Soil Vapor Intrusion Investigation Report previously submitted to the NYSDEC.

3.3.8 Comparisons to Remedial Action Objectives

The remedial action objectives presented in Section 3.1 of this report are not meet with full compliance of the engineering controls. Due to not all of the extraction wells being utilized in the leachate collection system recovery, the site is not in full compliance of the RAOs. Full compliance through remediation as described in the OM&M manual is expect to be achieved in 2014.

The following volatile organic compounds exceeded their respective NYSDEC TOGS 1.1.1 groundwater standard of 5 ug/L (chlorobenzene, 1,2,4-trichlorobenzene, cis-1,2-Dichlororthylene, ethylbenzene, m,p,and o-xylene and toluene), 3 ug/L (1,3-dichlorobenzene, 1,4-dichlorobenzene), 2 ug/L (vinyl chloride), and 1 ug/L (benzene).

Total PCBs exceeded the NYSDEC Class TOGS 1.1.1 6 NYCRR Part 703.1-703.5 groundwater standard of 0.00009 ug/l in NEW-MW (0.00034 ug/L), EW-1 (0.65 ug/L), EW-3 (0.0029 ug/L) and EW-4 (0.00206 ug/L). Concentrations of PCBs were detected at increased concentrations in Site groundwater during this sampling period.

Five metals (Arsenic, Iron, Magnesium, Manganese, and total Sodium) were detected in groundwater at concentrations exceeding the NYSDEC TOGS 1.1.1 standards and guidance values. All sampled monitoring wells identified one or more metals at concentrations exceeding NYSDEC TOGS 1.1.1. The two metals exceeding their respective standard are iron and manganese.

3.3.9 Monitoring Deficiencies

No monitoring deficiencies were noted during this sampling period. However, the following should be noted:

- Monitoring wells MW-5 was unavailable for sampling. Well MW-5 could not be sampled as the monitoring well could not be located. MW-5 will be re-installed in the spring of 2014.

- The soil vapor vents are not functioning properly and need to be serviced.

- PCB levels will be monitored to ensure that the leachate system can effectively remediate the PCBs.

- During venting monitoring, only VOCs are detected using a PID meter. No other landfill gases were monitored.

4.0 COST EVALUATION

Sampling costs, including technician time, CWTS inspection and oversight of the concrete pad installation and building erection are part of Aztech Technologies, Inc. contract with the NYSDEC. Aztech costs associated with the October 2013 sampling event are higher than expected for a site of this size with the number of wells that were sampled.

Due to unforeseen subcontractor issues, the costs associated with the building construction are also higher than anticipated for both HRP and Aztech.

Lab costs are directly billed to the NYSDEC as part of a separate call-out contract with Adirondack Laboratories and now Test America. The cost review for laboratory analysis indicated that the lab costs are in line with the number of samples that have been analyzed.

The Periodic Review Report preparation is was $4,300 for the 2013, which is slightly above the cost for a project of similar size and scope. See explanation in the table below.

Presented below is a cost comparison of average incurred costs per event compared to anticipated costs for tasks at a comparable project of similar size and scope of work.

Task	Average Current Cost	Anticipated Cost for Similar Sites	Potential Overages	Potential Cost Savings
Monthly O&M Costs (not including tasks direct billed to NYSDEC, i.e. lab costs)	$2,210	$1,400	Length of time on site for the work being completed is higher than anticipated. This causes labor charges to be higher than expected.	Changes to remedial system will change the typical monthly O&M activities. Ensure the amount of labor charged for actual activity is appropriate.
Groundwater Monitoring Event (every 15 months) (man hours only, not lab costs that are directly billed to the DEC)	$10,700	$4,500	Length of time to complete sampling was not consistent with sampling for similar scope projects based on the number of people on-site and logs of activities completed. Preparation and support time need to be reviewed for consistency.	Average time to sample one well, based on labor hours charged during the sampling event was approx. 5.8 hours. Based on the sampling log and groundwater parameters, the expected time to sample each well

				is approx. 2.25 hours. Several personnel charging for preparation time. A review of the number of hours charged for preparation time is needed to ensure it is consistent with a project of this scope.
<u>Lab Analytical</u> Monthly O&M sampling Costs *15 month Sampling Costs*	 $650–O&M *$7,000*	 $650-O&M *$7,000*	Appears to be in line with NYSDEC contract rates with the contract lab.	None
Periodic Review Report	$4,300	$3,500	Need to track down location of wells, thought to be already documented. Re-review information already completed.	Based on improved sampling procedures and streamlining of reporting the amount of labor hours should be reduced in the future.

Several potential overages and potential costs savings were noted in the above comparison. This O&M cost is slightly higher than expected with an operation of a system of this scale, however the sampling costs are significantly higher than expected with an operation of a sampling event of this number and proximal location and stabilization time of the monitoring wells. The overages for monthly O&M and groundwater monitoring tasks are primarily man hours. The monthly O&M costs will be decreased by the increased automation after the system upgrades are complete, utilizing the PLC to remotely monitor the system, and a reduction of time onsite required to remediate sludge build up. Potential cost savings include more time conscious groundwater sampling events that would bring the average time to sample a well to an expected time frame. The lab analytical costs appear in line with analytical cost expectations.

The 6th quarterly sampling was estimated to be completed at $4,500. This line item is reasonable for the level of effort for groundwater monitoring. The two sediment sampling events were completed at cost of approximately $6,200. The sampling contractor's costs are not broken out in the call out contract for type of service performed, so this was the best estimate of the level of effort for these activities. A single subcontractor ($3,600) was approved by contracts and utilized to provide preliminary design for the CWTS upgrade.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The periodic review process is used for determining if a remedy continues to be properly managed, as set forth in the Operation and Maintenance Manual, and if the remedy continues to meet the remedial action objectives (RAOs). The remedial measures in place appear to not currently meeting the Site RAOs. Once the system upgrades occur in 2014, this will be corrected and the system will be operated as designed and will be fully functional, thus the site should be protective of human health and the environment. OM&M of the treatment system should continue until such time as the goal of removing the Site's contaminants of concern to the extent possible has been achieved.

5.1 Conclusions

The following conclusions discuss the effectiveness of the site's remedial system in comparison to the applicable Site RAOs:

RAO 1 - Prevent ingestion of groundwater outside of the landfill boundaries with contaminant levels exceeding drinking water standards:

Residential and commercial properties adjacent to the landfill have been connected to the municipal water supply thereby preventing the ingestion of impacted groundwater from private wells immediately adjacent to the Site. However, the downgradient extent of the impacted groundwater plume is unknown.

The sentinel monitoring network established for monitoring the performance of the leachate collection system is inadequate. MW-5 which has historically had the highest concentrations of COCs of all monitoring wells at the Site was unable to be sampled because the monitoring well could not be located and it is recommended that the monitoring well be reinstalled. This problem has been designated as severe because without an adequate monitoring network it is not possible to know evaluate the effectiveness of the remedy. A replacement well for MW-5 will be installed in the spring 2014.

RAO 2 - Prevent contact with or inhalation of volatiles from contaminated groundwater:

Inhalation and contact with impacted vapors has been minimized by supplying homes adjacent to the landfill with municipal water. Groundwater or vapor intrusion impacts have not been observed in the vicinity of the homes adjacent to the landfill, based on the soil vapor intrusion investigation.

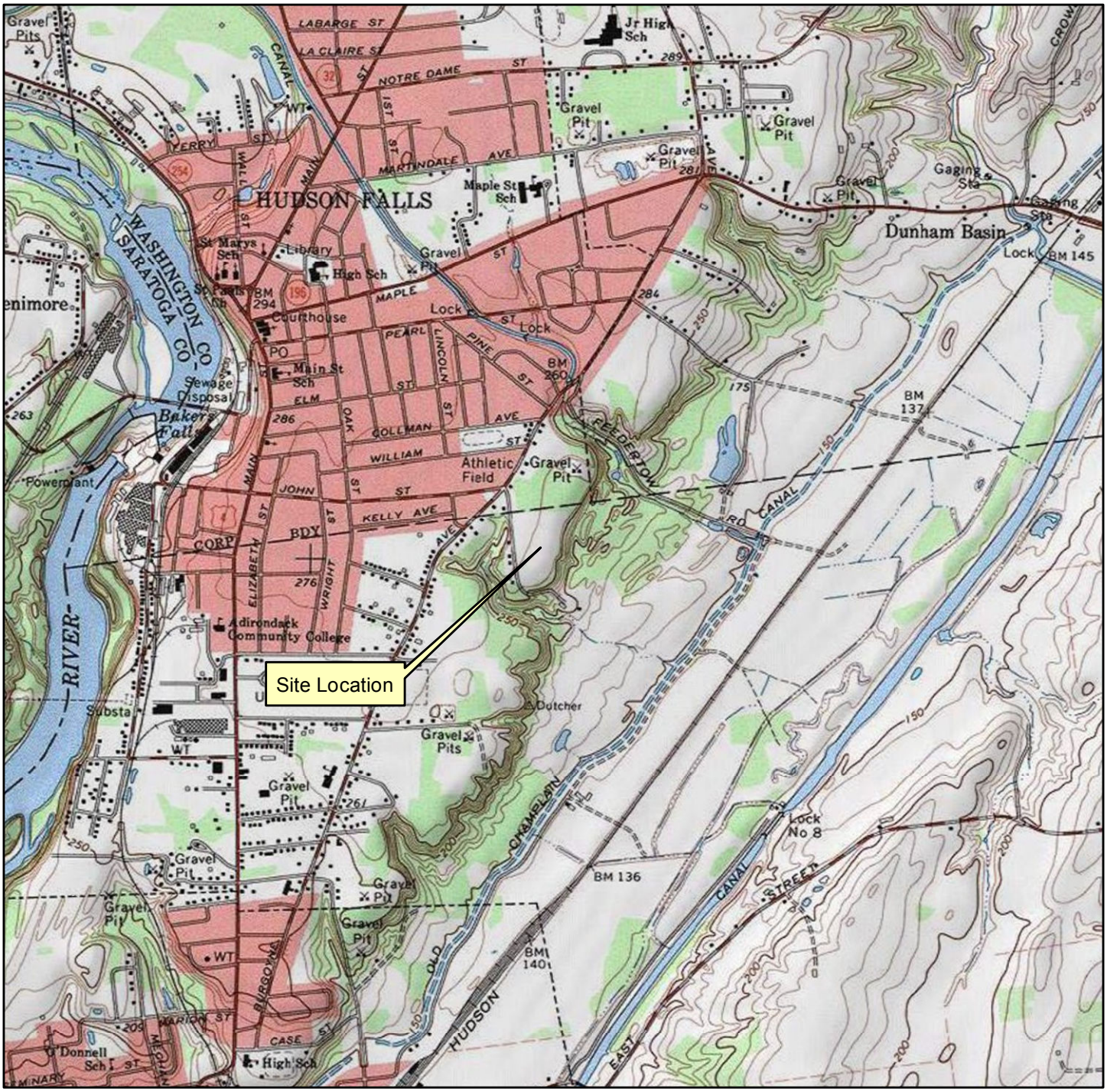
RAO 3 - Prevent the discharge of contaminants to surface water:

Due to the capacity of the existing treatment facility building, all three of the groundwater extraction wells are not currently operational. The capture of the groundwater is required to prevent groundwater from impacting the feeder canal system. The elevated levels of iron above the AWQS in the effluent of the groundwater treatment system indicates that the site remedy, in its current configuration, is not protecting the Fort Edward Feeder Canal. These issues are categorized as moderate, as it has the potential for human exposure to impacted surface water.

5.2 Recommendations

The following recommendations are made for the Fort Edward Landfill Site:

- Monitoring well MW-5 should be reinstalled to continue monitoring the subsurface in the historically contaminated area and to determine the effectiveness of the treatment system to capture the groundwater plume;
- Install re-designed underground influent lines to the CWTS to ensure that the whole area of the CWTS's is being utilized and that the treatment water is not following preferential pathways through the cells;
- Increase the gallons per minute treatment capacity of the leachate system and recover leachate from extraction wells EW-1 through EW-3;
- Bring the clarifier at the headworks of the treatment system online and a re-designed of CWTS cell 3 to de-water the sludge generated;
- Soil gas vents at the landfill need to be serviced and a redesign will be presented in the RSO; and
- During the vent monitoring also use a four gas meter (typically used during landfill monitoring) to monitor hydrocarbons, oxygen, methane, and carbon dioxide.



USGS Quadrangle Information
Quad ID: 43073-C5
Name: Hudson Falls, New York
Date Pub: 1968

Figure 1
Site Location
Fort Edward Landfill
Leavy Hollow Road
Fort Edward, New York
HRP# NEW9622.OM
Scale 1" = 2,000'

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Offices in CT, SC, NY, FL, MA, TX and PA
197 Scott Swamp Road
Farmington, Connecticut 06032
Ph:(860)674-9570 Fax:(860)674-9624
www.hrpassociates.com

Path: J:\NNEWEN - NY STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\FORT EDWARD LANDFILL, LEAVY HOLLOW ROAD, FORT EDWARD, NY\NEW9622OM\GIS\Site Location.mxd

N

BURGOYNE AVENUE

HUDSON FALLS

KINGSBURY

KINGSBURY LANDFILL

TOWN OF KINGSBURY

TOWN OF FORT EDWARD

GLENS FALLS FEEDER CANAL

(183.04) MW-06A

MW-06B (177.29)

MW-06C (184.49)

(185.54) MW-07

VILLAGE OF HUDSON FALLS

TOWN OF FORT EDWARD

EW-3

EW-2

RUNOFF 14

UNNAMED PONDS

(232.31) MW-08

MW-05

CELL 3

TC#2

EW-5

TC#3

CTC

EW-1

RUNOFF / POND 13

POLISHING POND

PPE (POLISHING POND EFFLUENT)

TC#1

CELL 2

CELL 1

LEAVY HOLLOW ROAD

MW-01D

MW-02 (184.80)

MW-02A (183.44)

EW-4

MW-01A (217.48)

MW-01 (220.39)

SITE ENTRANCE

UNIDENTIFIED MONITORING WELL

RUNOFF 15 UNIDENTIFIED MONITORING WELL

NEW-MW

TREATMENT BUILDING

LEGEND

- MONITORING WELL
- (232.24) – REPORTED GROUNDWATER ELEVATION (MEASURED OCTOBER 2013)
- 198 – GROUNDWATER CONTOUR (5 FT.) (DASHED WHERE INFERRED)
- 240 – TOPOGRAPHIC CONTOUR
- STREAM/DRAINAGE/CHANNEL/POND
- GROUNDWATER FLOW DIRECTION
- EXTRACTION WELL OR COLLECTION SUMP
- GROUNDWATER COLLECTION TRENCH

NOTE:
1. SEPTEMBER 2012 PILOT TEST COMPLETED BY AZTECH.

1" = 250'

250 0 125 250 500

APPROXIMATE SCALE IN FEET

FIGURE 2
SITE PLAN WITH 2013 GROUNDWATER FLOW
FORT EDWARD LANDFILL
LEAVY HOLLOW ROAD
FORT EDWARD, NEW YORK
SITE ID 558001
SCALE: 1" = 250'

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Offices in CT, SC, NY, FL, MA, TX and PA
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
Ph:(518)877-7101 Fax:(518)877-8561
www.hrpassociates.com

S:\Data\NEW\NEW - NY STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\FORT EDWARD LANDFILL\NEW9622DM\CAD\FIGURE 2 - SITE PLAN WITH 2013 GW FL
Adobe PDF

N

BURGOYNE AVENUE

HUDSON FALLS

KINGSBURY

KINGSBURY LANDFILL

MW–06A	
12,4–TRICHLOROBENZENE	18 ug/L
1,3–DICHLOROBENZENE	10 ug/L
1,4–DICHLOROBENZENE	4.1 ug/L

MW–07

MW–06A

MW–06B

MW–06C

TOWN OF KINGSBURY

TOWN OF FORT EDWARD

GLENS FALLS FEEDER CANAL

VILLAGE OF HUDSON FALLS

TOWN OF FORT EDWARD

MW–06C	
BENZENE	2.1 ug/L
CHLOROBENZENE	18 ug/L

EW–3

EW–2

RUNOFF 14

EW–2	
BENZENE	5.2 ug/L

UNNAMED PONDS

MW–08

LP–1

CELL 1

TC#2

EW–5

MW–05

TC#3

CTC

EW–1

RUNOFF / POND 13

POLISHING POND

PPE (POLISHING POND EFFLUENT)

TC#1

CELL 2

EW–3	
1,4–DICHLOROBENZENE	7.1 ug/L
BENZENE	6.2 ug/L
CHLOROBENZENE	45 ug/L

LP–2

CELL 3

LEAVY HOLLOW ROAD

EW–4

MW–01D

MW–02

MW–02A

MW–01A

MW–01

TREATMENT BUILDING

SITE ENTRANCE

UNIDENTIFIED MONITORING WELL

MW–04 – UNIDENTIFIED MONITORING WELL

NEW–MW

EW–1	
CIS–1,2–DICHLOROETHYLENE	130 ug/L
BENZENE	8.6 ug/L
CHLOROBENZENE	6.5 ug/L
ETHYLBENZENE	12 ug/L
M–P–O–XYLENE	48 ug/L
TOLUENE	9.9 ug/L
VINYL CHLORIDE	310 ug/L

LEGEND

–MONITORING WELL

–TOPOGRAPHIC CONTOUR

–STREAM/DRAINAGE/CHANNEL/POND

–EXTRACTION WELL OR COLLECTION SUMP

–GROUNDWATER COLLECTION TRENCH

ALL CONCENTRATIONS REPORTED IN ug/L (MICROGRAMS PER LITER)

ALL SAMPLES LISTED EXCEED NYSDEC CRITERIA

NOTE:
1. SAMPLE EXCEEDENCES LISTED EXCEED NYSDEC CLASS GA CRITERIA FROM NYSDEC TECHNICAL GUIDANCE SERIES. (TOGS 1.1.1.), AMBIENT WATER QUALITY STANDARDS
2. SAMPLES COLLECTED DURING OCTOBER 15 THROUGH OCTOBER 21, 2013

1" = 250'

250 0 125 250 500

APPROXIMATE SCALE IN FEET

FIGURE 3
TOTAL VOCs IN GROUNDWATER
FORT EDWARD LANDFILL
LEAVY HOLLOW ROAD
FORT EDWARD, NEW YORK
HRP# NEW9622.OM
SCALE: 1" = 250'

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Offices in CT, SC, NY, FL, MA, TX and PA
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
Ph:(518)877-7101 Fax:(518)877-8561
www.hrpassociates.com

N

BURGOYNE AVENUE

HUDSON FALLS

KINGSBURY

KINGSBURY LANDFILL

MW-06A	
IRON	21.2 mg/L
MAGNESIUM	44.1 mg/L
MANGANESE	1.7 mg/L
SODIUM, TOTAL	51 mg/L

MW-06B	
IRON	0.35 mg/L
SODIUM, TOTAL	41 mg/L

MW-06C	
IRON	102 mg/L
MANGANESE	1.8 mg/L

MW-07	
IRON	195 mg/L
MANGANESE	6.5 mg/L

MW-07

MW-06A

MW-06B

MW-06C

TOWN OF KINGSBURY

TOWN OF FORT EDWARD

GLENS FALLS FEEDER CANAL

VILLAGE OF HUDSON FALLS

TOWN OF FORT EDWARD

EW-3	
IRON	33.8 mg/L
MAGNESIUM	45.3 mg/L
SODIUM, TOTAL	173 mg/L

EW-3

EW-2

EW-2	
ARSENIC	0.029 mg/L
IRON	27.8 mg/L
MAGNESIUM	39.7 mg/L
MANGANESE	0.57 mg/L
SODIUM, TOTAL	103 mg/L

MW-08	
IRON	1.5 mg/L

MW-08

LP-1

RUNOFF 14

UNNAMED PONDS

MW-05

CELL 1

TC#2

EW-5

TC#3

CTC

LEAVY HOLLOW ROAD

MW-01D	
SODIUM, TOTAL	42.9 mg/L

MW-01	
SODIUM, TOTAL	48.3 mg/L

EW-1	
IRON	66.2 mg/L
MAGNESIUM	47.7 mg/L
MANGANESE	1.2 mg/L
SODIUM, TOTAL	138 mg/L

EW-1

RUNOFF / POND 13

POLISHING POND

PPE (POLISHING POND EFFLUENT)

TC#1

CELL 2

CELL 3

LP-2

MW-01A	
SODIUM, TOTAL	22.5 mg/L

EW-4	
IRON	32.5 mg/L
MANGANESE	2.3 mg/L
SODIUM, TOTAL	47 mg/L

EW-4

MW-01D

MW-01A

MW-01

MW-02

MW-02A

MW-4 UNIDENTIFIED MONITORING WELL

TREATMENT BUILDING

SITE ENTRANCE

UNIDENTIFIED MONITORING WELL

NEW-MW

MW-4	
IRON	37.9 mg/L
MANGANESE	1.6 mg/L
SODIUM, TOTAL	29 mg/L

NEW-MW	
MAGNESIUM	182 mg/L
SODIUM, TOTAL	171 mg/L

MW-2	
IRON	2.2 mg/L
MANGANESE	0.8 mg/L
SODIUM, TOTAL	50.5 mg/L

MW-2A	
IRON	9.8 mg/L
MANGANESE	0.33 mg/L
SODIUM, TOTAL	43.8 mg/L

LEGEND

- MONITORING WELL
- TOPOGRAPHIC CONTOUR
- STREAM/DRAINAGE/CHANNEL/POND
- EXTRACTION WELL OR COLLECTION SUMP
- GROUNDWATER COLLECTION TRENCH

LAB QUALIFIER B = RESULTS DETECTED IN THE USB
ALL CONCENTRATIONS REPORTED IN mg/L (MILLIGRAMS PER LITER)

NOTE:
1. NYSDEC CLASS GA CRITERIA ARE FROM THE NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS1.1.1) AMBIENT WATER QUALITY.
2. SAMPLES COLLECTED DURING OCTOBER 15 THROUGH OCTOBER 21, 2013
3. ONLT SAMPLE EXCEEDING NYSDEC CLASS GA CITERIA ARE LISTED

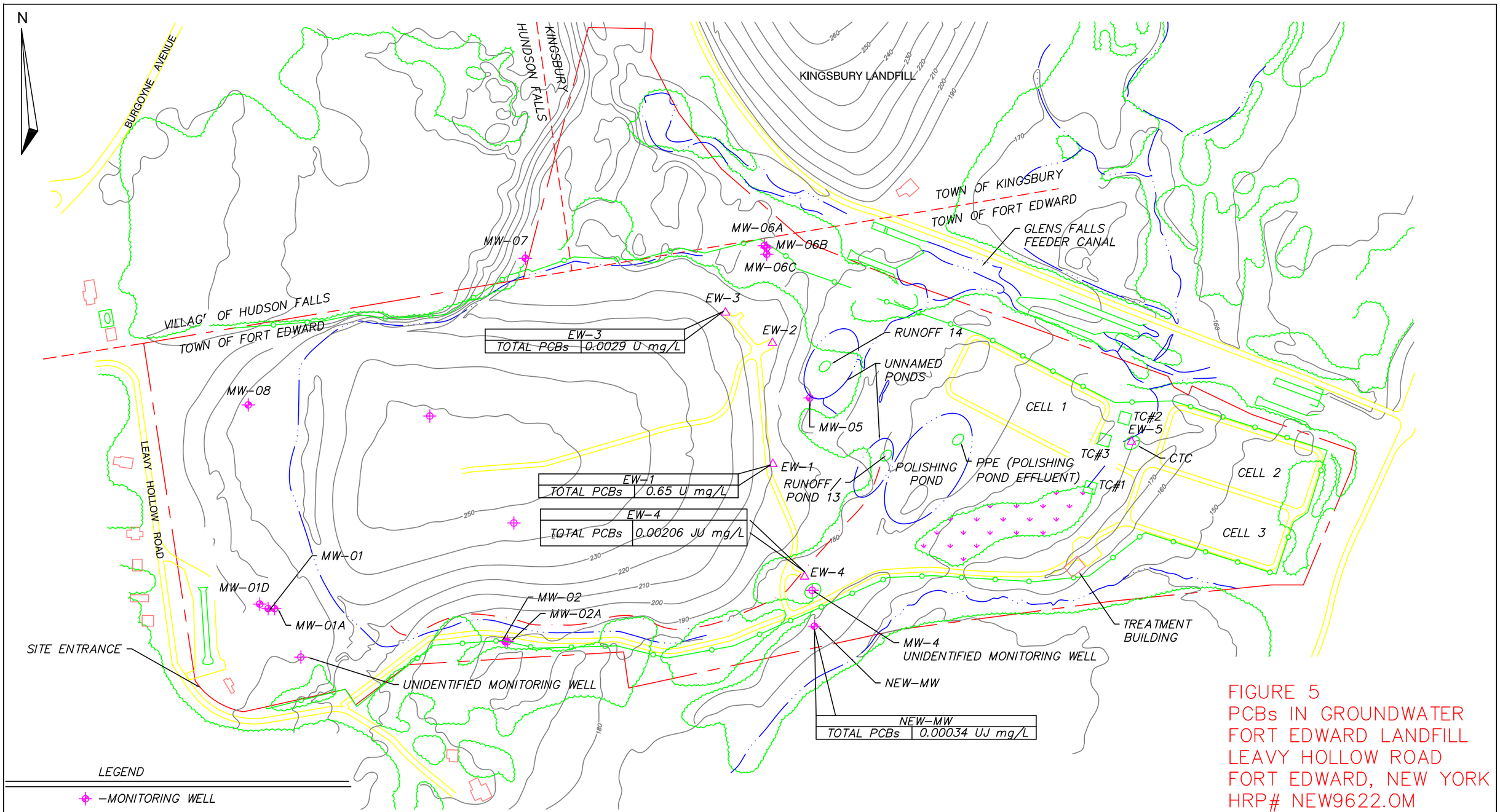
1" = 250'

250 0 125 250 500

APPROXIMATE SCALE IN FEET

FIGURE 4
METALS IN GROUNDWATER
FORT EDWARD LANDFILL
LEAVY HOLLOW ROAD
FORT EDWARD, NEW YORK
HRP# NEW9622.OM
SCALE: 1" = 250'

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Offices in CT, SC, NY, FL, MA, TX and PA
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
Ph:(518)877-7101 Fax:(518)877-8561
www.hrpassociates.com



LEGEND

- MONITORING WELL
- TOPOGRAPHIC CONTOUR
- STREAM/DRAINAGE/CHANNEL/POND
- EXTRACTION WELL OR COLLECTION SUMP
- GROUNDWATER COLLECTION TRENCH

U COMPOUND WAS ANALYZED FOR, BUT NOT DETECTED

J COMPOUND WAS DETECTED AT LEVELS LESS THAN REPORTING LIMIT

NOTE:
1. NYSDEC CLASS TOGS CRITERIA ARE FROM NYSDEC CLASS TOGS 1.1.1
2. SAMPLES COLLECTED DURING OCTOBER 15 THROUGH OCTOBER 21, 2013

1" = 250'

250 0 125 250 500

APPROXIMATE SCALE IN FEET

FIGURE 5
PCBs IN GROUNDWATER
FORT EDWARD LANDFILL
LEAVY HOLLOW ROAD
FORT EDWARD, NEW YORK
HRP# NEW9622.OM
SCALE: 1" = 250'

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Offices in CT, SC, NY, FL, MA, TX and PA
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
Ph:(518)877-7101 Fax:(518)877-8561
www.hrpassociates.com

N

BURGOYNE AVENUE

HUDSON FALLS

KINGSBURY

KINGSBURY LANDFILL

TOWN OF KINGSBURY

TOWN OF FORT EDWARD

GLENS FALLS FEEDER CANAL

VILLAGE OF HUDSON FALLS

TOWN OF FORT EDWARD

LEAVY HOLLOW ROAD

(187.36)
MW-07

(183.25)
MW-06A

MW-06B (177.74)

MW-06C (185.09)

MW-08
(232.66)

LP-1

MW-05

CELL 1

POLISHING
POND

EFFLUENT (0-0.5')	
CHROMIUM, TOTAL	32 mg/L
EFFLUENT (0-1')	
CHROMIUM, TOTAL	37 mg/L

EFFLUENT

INFLUENT

INFLUENT	
CHROMIUM, TOTAL	18 mg/L

LP-2

A7
A5
A3
A1
B9
B5
B1
C9
C5
C1

CELL 2

CELL 3

MW-01D

MW-01
(223.32)

MW-01A
(219.16)

MW-02 (184.91)

MW-02A (183.68)

MW-4

NEW-MW

TREATMENT SYSTEM BUILDING

FIGURE 6
METALS IN SOIL
FORT EDWARD LANDFILL
LEAVY HOLLOW ROAD
FORT EDWARD, NEW YORK
SITE ID 558001
SCALE: 1" = 250'

1" = 250'

250 0 125 250 500

APPROXIMATE SCALE IN FEET

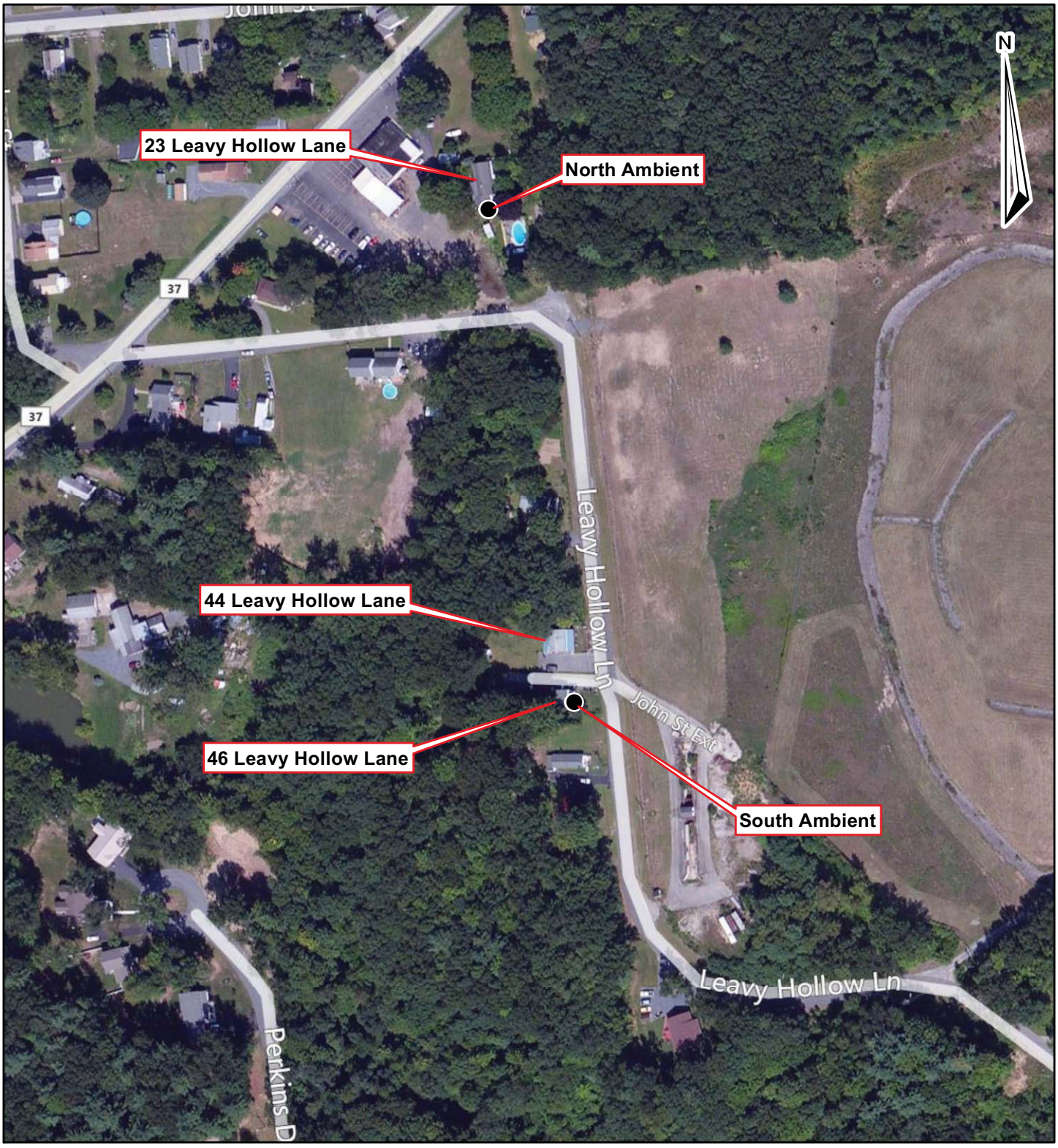
SAMPLES COLELCTED ON NOVEMBER 15, 2013

SAMPLE EXCEEDS UNRISTRICTED OBJECTIVE NYCRRR PART 375-6

SAMPLE EXCEEDS RESIDENTIAL OBJECTIVE NYCRRR PART 375-6

INFERRED GROUNDWATER FLOW DIRECTION

HRP Associates, Inc.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Offices in CT, SC, NY, FL, MA and TX
197 Scott Swamp Road
Farmington, Connecticut 06032
Ph:(860)674-9570 Fax:(860)674-9624
www.hrpassociates.com



Legend

- Outdoor Ambient Air Sample

1 inch = 200 feet

0 100 200 400

Figure 7
Soil Vapor Intrusion Investigation Sample Locations
Fort Edward Landfill
Leavy Hollow Road
Fort Edward, New York
Site ID# 558001
Scale 1" = 200'

HRP Associates, Inc.
dba HRP Engineering P.C.
Environmental/Civil Engineering & Hydrogeology
Creating the Right Solutions Together
Offices in CT, SC, NY, FL, MA, TX and PA
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
Ph:(518)877-7101 Fax:(518)877-8561
www.hrpassociates.com

Path: J:\NNEWEN - NY STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION\FORT EDWARD LANDFILL, LEAVY HOLLOW ROAD, FORT EDWARD, NY\NEW9622OMGIS\Aerial.mxd

Table 2
Fort Edward Landfill - SITE ID # 558001
Leavy Hollow Road
Fort Edward, New York
10/16/2013- 10/21/2013
Groundwater Samples - Analyzed for TCL VOCs 8260 B
(Only detected constituents are listed)

WATER-8260B (ug/L)		MW-01	MW-01A	MW-01D	MW-02A	MW-02	MW-4	MW-06A	MW-06B	NYSDEC Class GA Criteria
Date Collected	**CAS #**	10/16/2013	10/16/2013	10/16/2013	10/16/2013	10/17/2013	10/21/2013	10/17/2013	10/17/2013	
1,2,4-Trichlorobenzene	120-82-1	<0.41 U	<0.41 U	<0.41 U	<0.41 U	<0.41 U *	<0.41 U *	**18**	<0.41 U *	5
1,3-Dichlorobenzene	541-73-1	<0.78 U	<0.78 U	<0.78 U	<0.78 U	<0.78 U	<0.78 U	**10**	<0.78 U	3
1,4-Dichlorobenzene	106-46-7	<0.84 U	<0.84 U	<0.84 U	<0.84 U	<0.84 U	<0.84 U	**4.1**	<0.84 U	3
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	50
Acetone	67-64-1	<3 U *	<3 U *	<3 U *	**3.2 J ***	<3 U	<3 U	<3 U	<3 U	50
Benzene	71-43-2	<0.41 U	<0.41 U	<0.41 U	<0.41 U	<0.41 U	<0.41 U	**0.56 J**	<0.41 U	1
Chlorobenzene	108-90-7	<0.75 U	<0.75 U	<0.75 U	<0.75 U	<0.75 U	<0.75 U	**4.6**	<0.75 U	5
Chloroethane	75-00-3	<0.32 U	<0.32 U	<0.32 U	<0.32 U	<0.32 U	<0.32 U	**1.6**	<0.32 U	5
cis-1,2-Dichloroethylene	156-59-2	<0.81 U	<0.81 U	<0.81 U	<0.81 U	<0.81 U	<0.81 U	<0.81 U	<0.81 U	5
Ethylbenzene	100-41-4	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	<0.74 U	5
m-,p-,o-Xylene	1330-20-7	<0.66 U	<0.66 U	<0.66 U	<0.66 U	<0.66 U	<0.66 U	<0.66 U	<0.66 U	5
Methylcyclohexane	108-87-2	<0.16 U *	<0.16 U *	<0.16 U *	<0.16 U *	<0.16 U	<0.16 U	<0.16 U	<0.16 U	NE
Methylene chloride (Dichloromethane)	75-09-2	<0.44 U	<0.44 U	<0.44 U	<0.44 U	<0.44 U	<0.44 U	<0.44 U	<0.44 U	5
Methyltertbutyl ether	1634-04-4	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	<0.16 U	**0.34 J**	<0.16 U	10
Toluene	108-88-3	<0.51 U	<0.51 U	<0.51 U	<0.51 U	<0.51 U	<0.51 U	1.2	<0.51 U	5
Vinyl chloride	75-01-4	<0.9 U	<0.9 U	<0.9 U	<0.9 U	<0.9 U	<0.9 U	<0.9 U	<0.9 U	2

WATER-8260B (ug/L)		MW-06C	MW-07	MW-08	New-MW	EW-1	EW-2	EW-3	EW-4	NYSDEC Class GA Criteria
Date Collected	**CAS #**	10/17/2013	10/15/13	10/17/2013	10/18/2013	10/18/2013	10/21/2013	10/21/2013	10/18/2013	
1,2,4-Trichlorobenzene	120-82-1	<0.41 U *	<0.41 U *	<0.41 U *	<0.41 U	<2.1 U	<1.6 U *	<1.6 U *	<0.41 U	5
1,3-Dichlorobenzene	541-73-1	<0.78 U	<0.78 U	<0.78 U	<0.78 U	(<3.9) U	(<3.1) U	(<3.1) U	<0.78 U	3
1,4-Dichlorobenzene	106-46-7	1.8	<0.84 U	<0.84 U	<0.84 U	(<4.2) U	(<3.4) U	**7.1**	<0.84 U	3
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<6.2 U	<5 U	**15 J**	<1.2 U	50
Acetone	67-64-1	<3 U	<3 U	4.4 J	<3 U	<15 U	<12 U	<12 U	<3 U	50
Benzene	71-43-2	**2.1**	**0.30 J**	<0.41 U	<0.41 U	**8.6**	**5.2**	**6.2**	<0.41 U	1
Chlorobenzene	108-90-7	**18**	<0.75 U	<0.75 U	<0.75 U	**6.5**	<3 U	**45**	<0.75 U	5
Chloroethane	75-00-3	<0.32 U	**1.5**	<0.32 U	<0.32 U *	<1.6 U *	<1.3 U	<1.3 U	1.2 *	5
cis-1,2-Dichloroethylene	156-59-2	<0.81 U	<0.81 U	<0.81 U	<0.81 U	**130**	<3.2 U	<3.2 U	<0.81 U	5
Ethylbenzene	100-41-4	<0.74 U	<0.74 U	<0.74 U	<0.74 U	**12**	<3 U	<3 U	<0.74 U	5
m-,p-,o-Xylene	1330-20-7	<0.66 U	<0.66 U	<0.66 U	<0.66 U	**48**	<2.6 U	<2.6 U	<0.66 U	5
Methylcyclohexane	108-87-2	<0.16 U	0.45 J	<0.16 U	<0.16 U	<0.8 U	<0.64 U	**1 J**	<0.16 U	NE
Methylene chloride (Dichloromethane)	75-09-2	<0.44 U	<0.44 U	<0.44 U	<0.44 U	<2.2 U	<1.8 U	<1.8 U	<0.44 U	5
Methyltertbutyl ether	1634-04-4	0.24 J	<0.16 U	<0.16 U	<0.16 U	<0.8 U	<0.64 U	**0.92 J**	<0.16 U	10
Toluene	108-88-3	<0.51 U	**0.98 JB**	<0.51 U	<0.51 U	**9.9**	<2 U	<2 U	<0.51 U	5
Vinyl chloride	75-01-4	<0.9 U	<0.9 U	<0.9 U	<0.9 U	**310**	(<3.6) U	(<3.6) U	<0.9 U	2

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
<###	Sample is Non-Detect at Laboratory
MW	Monitor Well
EW	Extraction Well
NE	Not Established
*	LCS or LCSD exceeds the control limit
U	Compound was analyzed for, but not detected
J	Analyte detected at level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated
ug/l	micrograms per liter
CAS #	Chemical Abstract Service Number
VOCs	Volatile Organic Compounds
TCL	Target Compound List

Table 3
Fort Edward Landfill - SITE ID # 558001
Leavy Hollow Road
Fort Edward, New York
10/16/2013- 10/21/2013
Groundwater Samples - Analyzed for TAL Metals
(Only detected constituents are listed)

WATER-Metals (mg/L)		MW-01	MW-01A	MW-01D	MW-02A	MW-02	MW-4	MW-06A	MW-06B	NYSDEC Class GA Criteria
Date Collected	**CAS #**	10/16/2013	10/16/2013	10/16/2013	10/16/2013	10/17/2013	10/21/2013	10/17/2013	10/17/2013	
Aluminum, Total	7429-90-5	<0.06 U	**0.31 B**	<0.06 U	<0.06 U	**0.19 J B**	**7.8**	**0.086 J B**	**0.22 B**	NE
Arsenic	7440-38-2	<0.0056 U	0.01	<0.0056 U	<0.0056 U	<0.0056 U	**0.0063 J**	**0.014**	**0.011**	0.025
Barium	7440-39-3	**0.018**	**0.011**	**0.6**	**0.075**	**0.023**	**0.22**	**0.14**	**0.0075**	1
Cadmium	7440-43-9	<0.0005 U	<0.0005 U	<0.0005 U	<0.0005 U	<0.0005 U	<0.0005 U	<0.0005 U	**0.0018**	0.005
Calcium	7440-70-2	**36.2**	**12**	**18.3**	**40.6**	**81 B**	**162**	**107 B**	**8.2 B**	NE
Chromium, Total	7440-47-3	<0.001 U	<0.001 U	<0.001 U	**0.0074**	<0.001 U	**0.029**	<0.001 U	<0.001 U	0.05
Cobalt	7440-48-4	<0.00063 U	<0.00063 U	<0.00063 U	<0.00063 U	**0.00096 J**	**0.0036 J**	**0.0042**	<0.00063 U	NE
Copper	7440-50-8	<0.0016 U	<0.0016 U	<0.0016 U	<0.0016 U	**0.004 J**	**0.014**	**0.0037 J**	**0.004 J**	0.2
Iron	7439-89-6	**0.021 J**	**0.25**	**0.074**	**9.8**	**2.2**	**37.9**	**21.2**	**0.35**	0.3
Lead	7439-92-1	<0.003 U	<0.003 U	<0.003 U	<0.003 U	<0.003 U	**0.013**	<0.003 U	<0.003 U	0.025
Magnesium	7439-95-4	**8.6**	**1.5**	**5.4**	**16.1**	**13.3**	**27.9**	**44.1**	**1.4**	35
Manganese	7439-96-5	0.0012 J	0.022	0.014	**0.33**	**0.8**	**1.6**	**1.7**	**0.022**	0.3
Nickel	7440-02-0	<0.0013 U	<0.0013 U	<0.0013 U	**0.0048 J**	**<0.0013 U**	**0.017**	**0.014**	**0.0017 J**	0.1
Potassium, Total	7440-09-7	**1**	**1.2**	**2.7**	**1.8**	**2.5**	**3.3**	**8.4**	**0.68**	NE
Sodium, Total	7440-23-5	**48.3**	**22.5**	**42.9**	**43.8**	**50.5**	**29**	**51**	**41**	20
Vanadium	7440-62-2	<0.0015 U	0.0018 J	<0.0015 U	<0.0015 U	<0.0015 U	**0.016**	<0.0015 U	<0.0015 U	NE
Zinc	7440-66-6	**0.0043 J B**	**0.0042 J B**	**0.0043 J B**	**0.0034 J B**	**0.0031 J**	**0.099 B**	**0.0069 J**	**0.021**	2

WATER-Metals (mg/L)		MW-06C	MW-07	MW-08	New-MW	EW-1	EW-2	EW-3	EW-4	NYSDEC Class GA Criteria
Date Collected	**CAS #**	10/17/2013	10/15/13	10/17/2013	10/18/2013	10/18/2013	10/21/2013	10/21/2013	10/18/2013	
Aluminum, Total	7429-90-5	**0.28 B**	**6.9**	**1.9 B**	**0.38 B**	**0.24 B**	<0.06 U	<0.06 U	**0.21 B**	NE
Arsenic	7440-38-2	**0.015**	**0.023**	<0.0056 U	<0.0056 U	<0.0056 U	**0.029**	<0.0056 U	<0.0056 U	0.025
Barium	7440-39-3	**0.033**	**0.059**	**0.028**	**0.068**	**0.36**	**0.17**	**0.4**	**0.063**	1
Cadmium	7440-43-9	<0.0005 U	**0.00070 J**	<0.0005 U	<0.0005 U	<0.0005 U	<0.0005 U	<0.0005 U	<0.0005 U	0.005
Calcium	7440-70-2	**71.2 B**	**54.1**	**51.3 B**	**74 B**	**128 B**	**110**	**87**	**88 B**	NE
Chromium, Total	7440-47-3	<0.001 U	**0.006**	**0.0044**	<0.001 U	**0.0015 J**	<0.001 U	**0.0054**	<0.001 U	0.05
Cobalt	7440-48-4	**0.021**	**0.13**	**0.00094 J**	<0.00063 U	**0.0048**	**0.0016 J**	**0.0096**	**0.0025 J**	NE
Copper	7440-50-8	**0.0022 J**	**0.0091 J**	**0.0035 J**	**0.003 J**	**0.0035 J**	**0.0019 J**	**0.0065 J**	<0.0016 U	0.2
Iron	7439-89-6	**102**	**195**	**1.5**	**0.2**	**66.2**	**27.8**	**33.8**	**32.5**	0.3
Lead	7439-92-1	<0.003 U	**0.0066**	<0.003 U	<0.003 U	<0.003 U	**0.0035 J**	<0.003 U	<0.003 U	0.025
Magnesium	7439-95-4	**13.4**	**13.4**	**11.7**	**182**	**47.7**	**39.7**	**45.3**	**22.3**	35
Manganese	7439-96-5	**1.8**	**6.5**	**0.04**	**0.02**	**1.2**	**0.57**	**0.16**	**2.3**	0.3
Nickel	7440-02-0	**0.0039 J**	**0.03**	**0.0029 J**	**0.0022 J**	**0.02**	**0.0086 J**	**0.017**	**0.0017 J**	0.1
Potassium, Total	7440-09-7	**5.7**	**2.6**	**1.2**	**1.7**	**28.7**	**4.5**	**72.1**	**3.5**	NE
Sodium, Total	7440-23-5	**7.9**	**3**	**13.2**	**171**	**138**	**103**	**173**	**47**	20
Vanadium	7440-62-2	**0.0023 J**	**0.0073**	**0.0032 J**	<0.0015 U	**0.0019 J**	<0.0015 U	**0.012**	<0.0015 U	NE
Zinc	7440-66-6	**0.0074 J**	**0.25**	**0.015**	**0.0017 J**	**0.069**	**0.0066 J B**	**0.032 B**	**0.003 J**	2

NYSDEC class GA criteria are from NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1), Ambient water quality, class GA standards/guidance values from Table 1.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
MW	Monitor Well
EW	Extraction Well
NE	Not Established
NA	Not analyzed
TAL	target analyte metals
mg/l	milligrams per liter
B	Analyte found in the method blank
U	Compound was analyzed for, but not detected
J	Analyte detected at level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated
CAS #	Chemical Abstract Service Number

Table 4
Fort Edward Landfill - SITE ID # 558001
Leavy Hollow Road
Fort Edward, New York
10/16/2013- 10/21/2013
Groundwater Samples - PCB's and Miscellaneous
Soil Samples - Analyzed for TAL Metals

WATER-Misc (mg/L)		MW-01	MW-01A	MW-01D	MW-02A	MW-02	MW-4	MW-06A	MW-06B	NYSDEC Class TOGS 1.1.1 and 6 NYCRR Part 703.1-703.5
Date Collected	**CAS #**	10/16/2013	10/16/2013	10/16/2013	10/16/2013	10/17/2013	10/21/2013	10/17/2013	10/17/2013	
Misc										
Alkalinity (CaCO3)	471-34-1	**121**	**69.6**	**179**	**74.7**	272	**317**	**599**	**96.3**	NE
Ammonia	7664-41-7	<0.009 U	**0.11**	**1.3**	**0.085**	0.28	**0.51**	**8.9**	<0.009 U	2
Ammonia Nitrogen	NH3-N	<0.011 U	**0.13**	**1.5**	**0.103**	0.34	**0.62**	**10.8**	<0.011 U	2
Biochemical Oxygen Demand	BOD	<2 U	<2 U	<2 U	<2 U	<2 U	**8.1 B**	<2 U	<2 U	NE
Chemical Oxygen Demand	COD410.1	<5 U	**7.1 J**	**10.5**	**10.85**	15.9	**20.9**	**27.6**	**7.1 J**	NE
Hardness, carbonate	HARDC	**136**	**44**	**76**	**244**	284	**550**	**480**	**36**	NE
Methane	74-82-8	**0.110**	**0.064**	**0.092**	**0.0083**	**0.130**	**1.500**	**0.310**	<0.00022 U	NE
Nitrate ion	14797-55-8	**2.4**	**0.022 J**	<0.02 U	**0.04 J**	<0.02 U	**0.023 J**	0.044 J	**0.18**	NE
NITRITE NITROGEN	14797-65-0	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	<0.02 U	10
Phosphorus	7723-14-0	<0.005 U	**0.175**	<0.005 U	<0.005 U	**0.0096 J**	**0.28**	0.0486	**0.1**	NE
Phosphorus as PO4	PO4	<0.015 U	**0.537**	<0.015 U	<0.015 U	**0.029 J**	**0.87**	**0.149**	**0.32**	NE
Sulfate	14808-79-8	**34.4 B**	**14.2 B**	**10 B**	**39.1 B**	**2.4 J B**	**8.3 B**	**2.2 J B**	**5.6 B**	250
Sulfide	18496-25-8	<0.052 U	<0.052 U	<0.052 U	<0.052 U	<0.052 U	0.2	<0.052 U	<0.052 U	0.05
Total Dissolved Solids	TDS	**292**	**101**	**178**	**361**	**403**	**948**	**575**	**114**	500
Total Organic Carbon - Quad	7440-44-0	**0.733 J**	**0.44 J**	<0.43 U	**1.6**	**4.3**	**5.7**	**7.1**	**2.2**	NE
Total Suspended Solids	TSS	<4 U	**41.6**	<4 U	**12.4**	<4 U	**212**	**45.2**	<4 U	NE
PCBs										
PCB-1016	12674-11-2	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.00017 U	NE
PCB-1221	11104-28-2	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.00017 U	NE
PCB-1232	11141-16-5	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.00017 U	NE
PCB-1242	53469-21-9	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.00017 U	NE
PCB-1248	12672-29-6	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.00017 U	NE
PCB-1254	11097-69-1	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00024 U	NE
PCB-1260	11096-82-5	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00023 U	<0.00024 U	NE
PCBs-Total		<BRL	<BRL	<BRL	<BRL	<BRL	<BRL	<BRL	<BRL	0.00009

NYSDEC class TOGS criteria are from NYSDEC Class TOGS 1.1.1 6 NYCRR Part 703.1-703.5, Surface water and groundwater quality standards and GW effluent limitations.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
<###	Sample is Non-Detect at Laboratory
MW	Monitor Well
NE	Not Established
NA	Not Analyzed
mg/l	milligrams per liter
B	Analyte found in the method blank
U	Compound was analyzed for, but not detected
J	Analyte detected at level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated
<BRL	Sample is Non-Detect at Laboratory

Table 4
Fort Edward Landfill - SITE ID # 558001
Leavy Hollow Road
Fort Edward, New York
10/16/2013- 10/21/2013
Groundwater Samples - PCB's and Miscellaneous
Soil Samples - Analyzed for TAL Metals

WATER-Misc (mg/L)		MW-06C	MW-07	MW-08	New-MW	EW-1	EW-2	EW-3	EW-4	NYSDEC Class TOGS 1.1.1 and 6 NYCRR Part 703.1-703.5
Date Collected	**CAS #**	10/17/2013	10/15/13	10/17/2013	10/18/2013	10/18/2013	10/21/2013	10/21/2013	10/18/2013	
Misc										
Alkalinity (CaCO3)	471-34-1	**227**	**152**	**168**	**931**	**672**	**462.4**	**1130**	**339**	NE
Ammonia	7664-41-7	**3.7**	**0.44**	**0.012 J**	<0.009 U	**40.2**	**1.8**	**102**	**2.3**	2
Ammonia Nitrogen	NH3-N	**4.5**	**0.035 J**	**0.015 J**	<0.011 U	**48.9**	**2.2**	**124**	**2.8**	2
Biochemical Oxygen Demand	BOD	**16 B**	**23.4 B**	<2 U	<2 U	**23.2 B**	**>16.17 B**	**11.2 B**	**10.4 B**	NE
Chemical Oxygen Demand	COD410.1	**36.7**	**35.4**	<5 U	**14.3**	**204**	**96**	**206**	**18.1**	NE
Hardness, carbonate	HARDC	**216**	**194**	**172**	**920**	**540**	**560**	**430**	**308**	NE
Methane	74-82-8	**5.600**	<0.00022 U	<0.00022 U	**0.017**	**9.100**	**9.400**	**7.300**	**7.000**	NE
Nitrate ion	14797-55-8	<0.02 U	<0.02 U	<0.02 U	<0.02 U	**0.021 J**	**0.021 J**	<0.02 U	**0.069**	NE
NITRITE NITROGEN	14797-65-0	**0.062**	<0.02 U	<0.02 U	<0.02 U	**0.037 J**	<0.02 U	<0.02 U	**0.025 J**	10
Phosphorus	7723-14-0	**0.62**	**0.23**	**0.21**	<0.005 U	**0.25**	**0.33**	**0.3**	**0.099**	NE
Phosphorus as PO4	PO4	**1.9**	**0.72**	**0.66**	<0.015 U	**0.77**	**1**	**0.92**	**0.3**	NE
Sulfate	14808-79-8	**4.6 J B**	**2.7 JB**	**23.7 B**	**113 B**	**9.1 B**	**2.82 J**	**5.6 B**	**19.1 B**	250
Sulfide	18496-25-8	<0.052 U	<0.052 U	<0.052 U	<0.052 U	<0.052 U	<0.052 U	<0.052 U	<0.052 U	0.05
Total Dissolved Solids	TDS	**361**	**537**	**223**	**1172**	**990**	**744**	**994**	**469**	500
Total Organic Carbon - Quad	7440-44-0	**8.53**	**4**	<0.43 U	**4.4**	**49.1**	**27.34**	**53.4**	**4.6**	NE
Total Suspended Solids	TSS	**97.2**	**231**	**17.2**	<4 U	**57.2**	**25.6**	**42.7**	**32.4**	NE
PCBs										
PCB-1016	12674-11-2	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	**0.220**	<0.00016 U	<0.00016 U	**0.00026 J**	NE
PCB-1221	11104-28-2	<0.00016 U	<0.00016 U	<0.00016 U	**0.00034 J**	**0.430**	<0.00016 U	**0.0029**	**0.0018**	NE
PCB-1232	11141-16-5	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.0083 U	<0.00016 U	<0.00016 U	<0.00017 U	NE
PCB-1242	53469-21-9	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.0083 U	<0.00016 U	<0.00016 U	<0.00017 U	NE
PCB-1248	12672-29-6	<0.00016 U	<0.00016 U	<0.00016 U	<0.00017 U	<0.0083 U	<0.00016 U	<0.00016 U	<0.00017 U	NE
PCB-1254	11097-69-1	<0.00023 U	<0.00023 U	<0.00023 U	<0.00024 U	<0.012 U	<0.00023 U	<0.00023 U	<0.00024 U	NE
PCB-1260	11096-82-5	<0.00023 U	<0.00023 U	<0.00023 U	<0.00024 U	<0.012 U	<0.00023 U	<0.00023 U	<0.00024 U	NE
PCBs-Total		<BRL	<BRL	<BRL	**0.00034 U J**	**0.65 U**	<BRL	**0.0029 U**	**0.00206 J U**	0.00009

NYSDEC class TOGS criteria are from NYSDEC Class TOGS 1.1.1 6 NYCRR Part 703.1-703.5, Surface water and groundwater quality standards and GW effluent limitations.

Bold	Sample Exceeds NYSDEC Class GA Criteria
Bold	Sample is above Non-Detect Value but Below NYSDEC Class GA Criteria
<###	Sample is Non-Detect at Laboratory
MW	Monitor Well
PCBs	Polychlorinated biphenyls
NE	Not Established
NA	Not Analyzed
mg/l	milligrams per liter
B	Analyte found in the method blank
U	Compound was analyzed for, but not detected
J	Analyte detected at level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated
<BRL	Sample is Non-Detect at Laboratory

Table 5
Fort Edward Landfill - SITE ID # 558001
Leavy Hollow Road
Fort Edward, New York
8/8/2013 and 11/15/2014
375-6 SCO - Unrestricted Protection of Public Health and Protection of Public Health Residential
Soil Samples - Analyzed for TAL Metals
(Only detected constituents are listed)

Sample Name	CAS #	Cell 3 A1	Cell 3 A3	Cell 3 A5	Cell 3 A7	Cell 3 A9	Cell 3 B1	Cell 3 B5	Cell 3 B9	NYSDEC Class TOGS 1.1.1 and 6	Cell 3 C5	Cell 3 C9	Influent	Effluent	Effluent	375-6 SCO - Unrestricted	375-6 SCO - Protection of Public Health Residential
Sample Location		CWTS Cell 3											Polishing Pond				
Sample Depth (feet)		(1-1.5)	(3-3.5)	(2-2.5)	(2-2.5)	(2-2.5)	(1.5-2)	(4.5-5)	(2.5-3)	(2.5-3)	(2.5-3)	(2-2.5)	(0-.5)	(0-.5)	(0-1)		
Date Collected		8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	8/8/2013	11/15/2013	11/15/2013	11/15/2013		
Metals (mg/kg)																	
Arsenic	7440-38-2	ND	ND	ND	ND	ND	ND	ND	**5.5**	ND	ND	ND	ND	ND	ND	**13**	**16**
Barium	7440-39-3	**32**	**100**	**27**	**180**	**44**	**8.1 B**	**160**	**130**	**27**	**130**	**100**	**86**	**150**	**180**	**350**	**350**
Cadmium	7440-43-9	ND	ND	ND	**0.60**	ND	ND	**0.68**	**0.60**	ND	**0.55**	ND	ND	**0.41**	0.58	**2.5**	**2.5**
Chromium, Total	7440-47-3	**7.2**	**22**	**7.7**	**34**	**9.9**	**6.3**	**31**	**25**	**5.8**	**26**	**21**	**18**	**32**	**37**	**1**	**22**
Lead	7439-92-1	**9.0**	**11**	**6.0**	**11**	**4.1**	**3.2**	**14**	**11**	**3.3**	**10**	**11**	**5.6**	**12**	**0.045**	**63**	**400**
Mercury	7439-97-6	ND	**0.059**	ND	**0.061**	ND	ND	**0.061**	**0.078**	ND	ND	**0.052**	ND	ND	ND	**0.18**	**0.81**

Bold	Sample is Above Non-Detect Value but Below Objective
Bold	Sample Exceeds Unrestricted Objective NYCRRR Part 375-6
Bold	Sample Exceeds Residential Objective NYCRRR Part 375-6
ND	Non Detect
mg/kg	Milligrams per Kilogram
Chromium, Total	Chromium DEC standards as shown are for Hexavalent Chromium.
CAS #	Chemical Abstract Service Number
CWTS	Constructed Wetland Treatment System
TAL	target analyte metals
SCO	soil cleanup objective

Table 6

Soil Vapor Intrusion Investigation Analyitcal Table
Fort Edward
Leavy Hollow Lane, Fort Edward, New York
Site Number 558001
April 11 - 12, 2013
Sub Slab, Indoor, and Ambient Air Samples - Analyzed via EPA TO-15 SIM

Sample ID		23 Leavy Indoor	23 Leavy Sub Slab	44 Leavy Indoor	44 Leavy Sub Slab	46 Leavy Indoor	46 Leavy Sub Slab	North Ambient	South Ambient	NYSDOH Air Guidance Values
Date Collected		4/11/2013	4/11/2013	4/11/2013	4/11/2013	4/11/2013	4/11/2013	4/11/2013	4/11/2013	
AIR-TO-15 SIM (ug/m3)										
1,1,2-Trichlorotrifluoroethane (freon 113)	76-13-1	**0.6 D**	<0.77 UD	**0.63 D**	<0.77 UD	**0.63 D**	<0.77 UD	**0.65 D**	**0.65 D**	NE
1,2,4-Trimethylbenzene	95-63-6	**13 D**	**11 D**	**1.8 D**	**2.6 D**	**0.76 D**	**2 D**	<0.17 UD	<0.17 UD	NE
1,2-Dichloroethane	107-06-2	**1.1 D**	**0.89 D**	<0.14 UD	<0.4 UD	**0.23 D**	<0.4 UD	<0.14 UD	<0.14 UD	NE
1,3,5-Trimethylbenzene	108-67-8	**3.5 D**	**2.9 D**	**0.59 D**	**0.53 D**	**0.22 D**	<0.49 UD	<0.17 UD	<0.17 UD	NE
2-Butanone (MEK)	78-93-3	<4.1 U	<12 U	**7.3 D**	<12 U	<4.1 U	<12 U	<4.1 U	<4.1 U	NE
2-Hexanone (Methyl butyl ketone/MBK)	591-78-6	<0.14 UD	**0.75 D**	**0.3 D**	**0.49 D**	**0.2 D**	<0.41 UD	**0.87 D**	**0.27 D**	NE
4-Ethyltoluene	622-96-8	**4.2 D**	**3.5 D**	**0.33 D**	**0.64 D**	**0.22 D**	<0.49 UD	<0.17 UD	<0.17 UD	NE
Acetone	67-64-1	**47 D**	**62 D**	**39 D, L-07**	**17 D**	**15 D**	<9.5 U	**16 D**	**11 D**	NE
Benzene	71-43-2	**5.6 D**	**4.2 D**	**0.44 D**	**0.37 D**	**0.38 D**	**2.5 D**	**0.34 D**	**0.31 D**	NE
Carbon tetrachloride	56-23-5	**0.46 D**	<0.63 UD	**0.44 D**	<0.63 UD	**0.46 D**	<0.63 UD	**0.46 D**	**0.45 D**	NE
Chloroform	67-66-3	**0.66 D**	**0.65 D**	<0.17 UD	<0.49 UD	**0.48 D**	<0.49 UD	<0.17 UD	<0.17 UD	NE
Chloromethane	74-87-3	**1 D**	**1.4 D**	**1.1 D**	**0.94 D**	**1.2 D**	**0.99 D**	**1.2 D**	**1.1 D**	NE
Cyclohexane	110-82-7	**1.6 D**	<0.34 UD	**1.7 D**	<0.34 UD	<0.12 UD	**1 D**	<0.12 UD	<0.12 UD	NE
Dichlorodifluoromethane	75-71-8	**2.6 D**	**2.7 D**	**4 D**	**3.3 D**	**2.4 D**	**2.9 D**	**2.5 D**	**2.5 D**	NE
Ethyl Acetate	141-78-6	**69 D**	**8.6 D**	**9.7 D**	**5.3 D**	**6.8 D**	**4.3 D**	**3.2 D**	**3.2 D**	NE
Ethylbenzene	100-41-4	**15 D**	**55 D**	**0.81 D**	**0.86 D**	**0.22 D**	**0.82 D**	<0.15 UD	<0.15 UD	NE
Heptane	142-82-5	**3.8 D**	**2.7 D**	**2.5 D**	<0.41 UD	**0.2 D**	**2.7 D**	<0.14 UD	<0.14 UD	NE
Hexane	110-54-3	**11 D**	<14 U	**19 D**	<14 U	<4.9 U	<14 U	<4.9 U	<4.9 U	NE
m/p-Xylenes	179601-23-1	**43 D**	**150 D**	**2.7 D**	**3.6 D**	**0.67 D**	**3.1 D**	<0.3 U	<0.3 UD	NE
Methyl isobutyl ketone (MIBK)	108-10-1	**0.47 D**	**0.65 D**	<0.14 UD	<0.41 UD	<0.14 UD	<0.41 UD	**0.36 D**	<0.14 UD	NE
Methylene chloride (Dichloromethane)	75-09-2	<1.2 U	**4.9 D**	**36 D**	**19 D**	<1.2 U	**8.7 D**	<1.2 U	<1.2 U	**60**
Naphthalene	91-20-3	**2.5 D**	**2.6 D**	**0.35 D**	**1.1 D**	**0.42 D**	**0.75 D**	<0.18 UD	<0.18 UD	NE
o-Xylene	95-47-6	**10 D**	**26 D**	**1.2 D**	**1.5 D**	**0.29 D**	**1.1 D**	<0.15 UD	<0.15 UD	NE
Styrene	100-42-5	**0.87 D**	**0.83 D**	**13 D**	<0.43 UD	<0.15 UD	<0.43 UD	<0.15 UD	<0.15 UD	NE
Tetrachloroethylene	127-18-4	<0.24 UD	<0.68 UD	**20 D**	**5.8 D**	**0.49 D**	**0.91 D**	<0.24 UD	<0.24 UD	**100**
Trichloroethylene	79-01-6	<0.19 UD	<0.19 UD	<0.19 UD	<0.19 UD	<0.19 UD	<0.19 UD	<0.19 UD	<0.19 UD	**5**
Tetrahydrofuran	109-99-9	<0.1 UD	<0.29 UD	**1.1 D**	<0.29 UD	<0.1 UD	<0.29 UD	**0.13 D**	<0.1 UD	NE
Toluene	108-88-3	**38 D**	**30 D**	**21 D**	**4 D**	**1.1 D**	**11 D**	**0.42 D**	**0.33 D**	NE
Trichlorofluoromethane	75-69-4	**2.3 D**	**2.1 D**	**1.5 D**	**1.7 D**	**1.5 D**	**1.3 D**	**1.3 D**	**1.2 D**	NE
Ethanol	64-17-5	**1600 D**	**1200 D**	**31 D**	**9.9 D**	**86 D**	**8.8 D**	**11 D**	**3.9 D**	NE
Isopropyl Alcohol	67-63-0	**400 D**	**340 D**	**4.3 D**	<9.8 U	<3.4 U	<9.8 U	<3.4 U	<3.4 U	NE
Xylene-Total		**53 D**	**176 D**	**3.9 D**	**5.1 D**	**0.96 D**	**4.2 D**	<BRL	<BRL	NE

Notes:

Bold indicates parameter detected above reporting limit

NOTES:

VOCs: Volatile Organic Compounds

NE: No guidance value

U: Compound not detected

D: Sample diluted at laboratory

L-07: Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

MW-1 Cluster

MW-01

MW-01A

MW-01D

MW-07

Typical down well view (at MW-7)

MW-6 Cluster

MW-06

MW-06A and MW-06B

MW-05

Typical unidentified PVC stickup (around toe of landfill)

Typical CAP vent with bypassed carbon unit

W-4 and cleanout

W-2 and W-3

CWTS level control sump

W-1

Typical piezometer in CWTS

Typical CWTS cell cleanout

W-4 to leachate system pipe cleanout

Unidentified PVC stickup (between MW-07 and MW-08)

Unidentified monitoring well by ACOE wetlands

Unidentified monitoring well by upper CWTS

Typical unidentified PVC stickup (around toe of landfill)

Typical CAP vent with bypassed carbon unit

Appendix A

Engineering Controls – Engineering Standby Contractor Certification Form

Enclosure 1

Engineering Controls - Engineering Standby Contractor Certification Form

Site Details **Box 1**

Site No. 558001

Site Name Fort Edward Landfill

Site Address: Burgoyne Avenue Zip Code: 12828
City/Town: Fort Edward
County: Washington
Site Acreage: 23.0

Reporting Period: November 15, 2012 to November 15, 2013

	YES	NO
1. Is the information above correct?	☒	☐
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?	☐	☒
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
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?	☐	☒
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?	☐	☒

Box 2

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

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 Engineering Standby Contractor

Date 1/31/14

SITE NO. 558001

Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
163.-1-2	Town Supervisor/Town of Fort Edward	Soil Management Plan Monitoring Plan O&M Plan

A decision on the remedy was made in 1988 (Seven Sites Agreement with GE).

Box 4

Description of Engineering Controls

Parcel	Engineering Control
163.-1-2	Groundwater Treatment System Cover System Leachate Collection Subsurface Barriers Fencing/Access Control

Engineering Controls include:
-Leachate collection and treatment
-A cover system consisting of a geoextile and soil cover
-Fencing to control access

Appendix B

Sample Logs
(Groundwater Sample Logs, YSI Reading Forms)

HRP Engineering, P.C. 1 Fairchild Square, Suite 110 Clifton Park, NY 12065 (518) 877-7101	YSI Reading Form	

Project: Fort Edward Landfill	WAS #: D006130-22	Field Personnel: M Wright / J Kotch
Location: Fort Edward, New York	Well ID.: JS-TW-022	Weather: 70 and Sunny
Sounding Method: Interface	Cell 3 Investigation	8/8/2013

Water Quality Parameters

Cell	Temperature (oC)	mS/cm2	mS/cm	DO %	DO m/L	pH	ORP	N	W
A1	15.68	0.016	0.671	-35.6	-3.53	6.86	-87.4	43.17.515	73.33.738
A2	14.43	1.116	0.891	-60	-5.16	6.37	-39.1	43.17.518	73.33.736
A3	Destroyed								
A4	14.77	0.343	0.278	-19.2	-1.88	5.98	-0.7	43.17.525	73.33.733
A5	15.73	0.533	0.439	8.4	0.95	6.43	-74.2	43.17.529	73.33.734
A6	Destroyed							43.17.532	73.33.730
A7	13.74	0.717	0.564	-14.4	-10.9	6.65	-92.4	43.17.534	73.33.729
A8	13.52	0.768	0.602	-17.8	-1.88	6.54	-86.4	43.17.535	73.33.728
A9	16.62	0.486	0.42	87.1	8.85	6.61	-85.8	43.17.536	73.33.728
B1	16.56	0.308	0.258	1.5	-0.03	6.86	-57.7	43.17.506	73.33.711
B2	Tranducer							43.17.507	73.33.711
B3	13.17	0.942	0.739	-17.0	-1.87	6.41	-29.2	43.17.509	73.33.710
B4	13.40	1.062	0.82	-9.1	-0.94	6.48	-24.7	43.17.513	73.33.708
B5	Tranducer							43.17.513	73.33.708
B6	Tranducer							43.17.518	73.33.702
B7	13.25	0.772	0.684	-99.9	-22.39	6.47	-61.8	43.17.521	73.33.703
B8	16.61	0.318	0.267	-99.9	-64.08	6.61	-1.4	43.17.524	73.33.702
B9	Tranducer							43.17.525	73.33.760
B10	14.74	0.793	0.638	-99.9	-69.23	6.70	-86.3	43.17.527	73.33.7699
C1	17.48	0.705	0.602	-99.0	-29.27	6.36	-59	43.17.501	73.33.7684
C2	16.58	0.602	0.506	-99.9	-35.17	6.4	-69.6	43.17.501	73.33.7685
C3	13.71	0.714	0.561	-99.9	-35.17	6.12	-54.7	43.17.500	73.33.7681
C4	14.10	0.908	0.720	-99.9	-35.17	6.26	-63.5	43.17.507	73.33.7686
C5	14.76	0.432	0.338	-99.9	-35.17	6.3	-17.3	43.17.509	73.33.7678
C6	14.68	0.348	0.281	-99.9	-35.17	6.46	-46.0	43.17.512	73.33.7677
C7	14.01	0.276	0.168	-99.9	-35.17	6.40	-37.9	43.17.514	73.33.7677
C8	13.50	0.556	0.461	-99.9	-35.17	6.24	-32.2	43.17.516	73.33.7676
C9	14.11	0.404	0.331	-99.9	-35.17	6.27	-47.6		
C10	15.84	0.512	0.337	-99.9	-35.17	6.11	-47.0	43.17.514	73.33.7674
C11	16.37	0.361	0.316	-99.9	-35.17	6.43	-57.6	43.17.584	73.33.7675

COMMENTS AND OBSERVATIONS:	Monitoring well sampled for TCL VOCs by EPA Method 8260

Fort Edward

Site Name	Hudson Falls Landfill
Site Location	Hudson Falls
Well ID	MW-01
Sampled By	ST

Well Information

Flush Mount or Riser	Riser
Measuring Point	TOC
Measuring Point Elevation	
Depth to Water	38.48
Depth to Bottom of Well	48.38

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/16/13
Weather	~3 60's
Purging Equipment	Monsoon Pump
Sampling Equipment	Low Flow Flow Through Cell
Decon Method	Water / Alconox
Riser Diameter	4"
Well Volume Calculation	See Below

48.38 - 38.48 = 9.90 × 3 × 0.163 = 4.84

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (°C)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
Static	—	—	—	—	—	—	—	38.48	—
1410	0.8	42.4	8.79	14.53	2.96	0.459	96	39.14	
1415	1.5	15.7	8.48	13.32	5.95	0.467	129	39.92	
1420	2.3	6.7	8.33	13.18	4.49	0.469	153	39.95	
1425	3.0	2.2	8.14	13.44	3.39	0.469	163	39.98	
1430	3.7	0.0	7.84	13.88	2.66	0.468	167	39.86	
1435	4.2	0.0	7.74	13.83	2.35	0.468	169	39.89	
1440	4.8	0.0	7.56	13.88	1.92	0.467	172	39.92	
1445	5.3	0.0	7.30	13.86	1.57	0.466	171	39.98	
1450	5.9	0.0	7.31	13.59	1.20	0.466	178	39.97	
1453	6.4	0.0	7.19	13.31	0.70	0.467	184	40.02	
1456	6.8	0.0	7.13	13.10	0.45	0.468	188	40.12	
1459	7.1	0.0	7.10	13.01	0.35	0.468	190	40.45	
1502	7.4	0.0	7.07	12.99	0.29	0.467	190	40.49	
1505	7.6	0.0	7.05	12.98	0.30	0.467	190	40.37	
		— sampled —							

Site Name	Fort Edward Landfill
Site Location	Fort Edward, NY
Well ID	MW-1A
Sampled By	ST

Well Information

Flush Mount or Riser	Riser
Measuring Point	TOC
Measuring Point Elevation	
Depth to Water	40.03
Depth to Bottom of Well	64.91

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/16/13
Weather	60°F
Purging Equipment	Monsoon Pump
Sampling Equipment	Flow-Thru Cell
Decon Method	Alconox + H_2O
Riser Diameter	Riser = 6" MW-2
Well Volume Calculation	See Below

Water Column = 64.91 - 40.03 = 24.88

Purge Volume = 24.88 × 0.163 × 3 = 12.17 gallons

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature °C	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
Static	0	—	—	—	—	—	—	40.03	—
11:00am	1.2	6.7	7.63	12.06	5.85	0.160	48	49.47	—
11:05am	3.0	4.1	8.29	12.58	4.66	0.165	21	54.50	
11:10am	3.5	4.0	8.67	13.26	4.20	0.164	3	53.84	
11:15am	4.0	5.2	8.92	13.52	3.99	0.164	-16	53.40	
11:20	4.6	5.7	9.13	13.18	3.47	0.161	-38	54.20	
11:25	4.8	5.2	9.34	13.95	2.94	0.159	-68	54.01	
11:30	5.0	8.6	9.52	13.58	2.34	0.159	-75	55.52	
11:35	6.0	6.6	9.75	13.70	1.42	0.149	-97	56.10	
11:40	7.0	43.6	10.05	13.89	0.0	0.171	-59	55.12	
11:45	Dry	Wait 15 mins to recharge							
11:55	8.0	48.7	10.22	14.40	0.89	0.82	-60	60.42	
—	DRY								

Site Name	Fort Edward Landfill
Site Location	
Well ID	MW-01D
Sampled By	KC/TR

water level Changing

Well Information

Flush Mount or Riser	
Measuring Point	
Measuring Point Elevation	
Depth to Water	40.82
Depth to Bottom of Well	greater than 100'

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/16/2013
Weather	
Purging Equipment	Monsoon
Sampling Equipment	Monsoon
Decon Method	AlConox
Riser Diameter	2"
Well Volume Calculation	

39.35 –

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
1054	1 gallons	5.5	7.75	11.77	2.08	0.318	-98	48.38 ~~39.35~~	14.8
1059	2 gallons	4.7	7.86	12.16	0.00	0.315	-130	50.49	16.9
1105	3.5 gallons	2.6	7.90	12.19	0.00	0.318	-148	52.59	21.8
1112	4 gallons	5.3	7.92	12.13	0.56	0.317	-157	54.00	19.2
1118	4.5 gallons	7.4	7.95	12.30	1.23	0.316	-170	55.45	18.2
1126	5 gallons	~~7.95~~ 8.5	7.95	12.76	1.82	0.314	-179	55.[illegible]	16.9
1130	5.3 gallon	9.4	7.94	12.75	1.04	0.316	-179	55.12	16.8
1133	5.5 gallons	10.0	7.92	12.70	1.23	0.314	-176	55.45	16.9
1137	6 gallons	10.6	7.89	12.78	0.76	0.314	-171	56.31	16.5
1141	6.2 gallons	11.1	7.92	13.06	0.78	0.312	-174	55.9[illegible] ~~55.[illegible]~~	16.4
1145	6.5 gallons	11.7	7.92	12.98	0.89	0.312	-177	56.10	16.4
1149	6.7 gallon	11.8	7.91	12.91	0.87	0.312	-174	56.31	16.4
—	Sampled								

Site Name	Fort Ed landfill
Site Location	
Well ID	~~MW-02A~~ @ MW-2
Sampled By	KC/TZ

Well Information

Flush Mount or Riser	Riser
Measuring Point	North
Measuring Point Elevation	?
Depth to Water	7.79
Depth to Bottom of Well	18.05

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/17/2013
Weather	Sunny @ 59°F.
Purging Equipment	Monsoon
Sampling Equipment	Monsoon
Decon Method	Alconox
Riser Diameter	2"
Well Volume Calculation	5.02 gallons

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (°C)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
0915	0.5 gallons	623	7.22	14.79	0.00	~~0.00~~ ?	-100	8.51	5.5
0919	0.8 gallons	554	7.01	15.00	0.00	0.697	-92	8.61	5.8
0924	1.2 gallons	165	6.94	15.06	0.00	0.687	-84	8.98	5.8
0927	2 gallons	115	6.89	15.02	0.00	0.689	-82	8.98	5.7
0933	3 gallons	48.1	6.85	14.98	0.00	0.691	-81	8.97	5.8
0940	3.5 gallons	10.6	6.81	14.96	0.00	0.697	-81	9.02	5.9
0943	4 gallons	4.3	6.78	14.89	0.00	0.703	-80	9.36	5.9
0948	4.8 gallons	9.8	6.79	14.93	0.00	0.699	-80	9.09	5.7
0953	5.2 gallons	12.7	6.77	14.91	0.00	0.687	-78	9.06	5.7
0956	5.3 gallons	9.3	6.79	14.85	0.00	0.678	-72	9.04	5.7
0959	5.5 gallons	7.1	6.79	14.85	0.00	0.676	-70	9.16	5.7
1002	5.7 gallons	7.0	6.80	14.81	0.00	0.672	-67	9.21	5.6
1008	6.0 gallons	5.5	6.80	14.71	0.00	0.670	-63	9.21	5.6
1011	6.2 gallons	5.0	6.78	14.80	0.00	0.673	-64	9.17	5.6
1015	6.3 gallons	5.3	6.79	14.83	0.00	0.671	-63	8.91	5.6
		—	(sampled)			—			

1000

Site Name	Fort Edward Landfill
Site Location	
Well ID	MW02A
Sampled By	Todd R / KC

Well Information

Flush Mount or Riser	Riser
Measuring Point	Marked
Measuring Point Elevation	
Depth to Water	8.96
Depth to Bottom of Well	26.59

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/16/2013
Weather	Sunny @ 60°F
Purging Equipment	monsoon
Sampling Equipment	monsoon
Decon Method	Alconox
Riser Diameter	2"
Well Volume Calculation	8.6 gallons

after equipment – depth to WL 7.5

~~8.6 gallons~~

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (C)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate (Voltage)
								7.50	—
14:05	1.5g	549	6.79	12.94	.04	.604	-55	13.20	7.2
14:10	2.0g	127	6.64	12.38	.00	.601	-54	12.20	7.2
14:15	2.5g	64.7	6.58	12.41	.00	.603	-49	14.82	\
14:20	2.75	27.3	6.57	12.67	.00	.592	-47	15.40	
14:25	4.0	18.6	6.50	12.44	.00	.601	-51	15.27	8.0
14:30	5.0	33.0	6.49	12.74	.00	.595	-53	14.67	8.0
14:35	6.0	15.5	6.48	12.63	.00	.598	-55	14.54	8.0
14:40	6.5	8.9	6.46	12.58	.00	.598	-58	14.55	8.0
14:45	7.0	7.0	6.44	12.61	.00	.598	-59	14.33	8.0
14:50	7.5	6.4	6.44	12.55	.00	.598	-59	14.56	7.9
15:00	Sampled								

Site Name	Ft. Edward Landfill
Site Location	Ft. Ed.
Well ID	MW-4 Upgradient
Sampled By	ST/PL

Well Information

Flush Mount or Riser	Riser
Measuring Point	TOC
Measuring Point Elevation	
Depth to Water	6.44
Depth to Bottom of Well	7.53

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/21/13
Weather	Sunny 60's F
Purging Equipment	Masterflex Pump
Sampling Equipment	Flow thru cell
Decon Method	Alconox + H_2O
Riser Diameter	4"
Well Volume Calculation	See Below

7.53 - 6.44 = ____ x 3 x .653 = ____

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate	Voltage Output
Static	0	—	—	—	—	—	—	6.44	—	—
1210	0.3	—	6.94	14.06	0.0	0.778	-76	6.43		5.0
1215	0.8	370	6.80	14.01	0.0	0.778	-83	6.45		5.2
1220	1.2	129	6.70	14.11	0.0	0.780	-84	6.44		5.3
1225	1.5	116	6.63	13.54	0.0	0.779	-85	6.45		5.3
1230	2.7	44.6	6.63	13.51	0.0	0.778	-87	6.79		5.2
1235	3.0	31.7	6.60	13.66	0.0	0.780	-87	6.45		5.2
1240	3.6	25.2	6.58	13.63	0.0	0.779	-87	6.44		5.4
1245	4.3	43.0	6.57	13.51	0.0	0.779	-88	6.81		5.3
1250	5.0	42.7	6.48	13.86	0.0	0.776	-85	6.45		5.3
1255	5.8	16.5	6.54	14.00	0.0	0.772	-88	6.44		5.3
1258	6.2	17.4	6.55	14.22	0.0	0.770	-89	6.45		5.3
1301	6.7	16.8	6.55	14.35	0.0	0.771	-90	6.45		

Site Name	Fort Edward Landfill
Site Location	
Well ID	MW-6C
Sampled By	ST / TR

Actual MW-6C

Well Information

Flush Mount or Riser	Riser
Measuring Point	
Measuring Point Elevation	
Depth to Water	8.59
Depth to Bottom of Well	17.69

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	12/17/13
Weather	33.0 - 60°
Purging Equipment	Monsoon
Sampling Equipment	"
Decon Method	Alconox + Water
Riser Diameter	4"
Well Volume Calculation	See Below

17.69 - 8.59 = 9.10 x 3 = 27.30 x .163

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
Static	—	—	—	—	—	—	—	8.59	—
12:45	0.1	800	6.06	17.09	0.60	0.842	-39	8.62	—
12:50	0.5	530	5.89	17.60	0.00	0.828	-47	8.64	
12:55	1.0	288	5.86	17.51	0.00	0.794	-47	8.65	
13:00	1.5	138	5.83	17.79	0.00	0.780	-48	8.65	
13:05	3.0	60.3	5.81	18.30	0.00	0.756	-49	8.64	
13:10	4.0	55.4	5.79	18.47	0.00	0.748	-49	8.65	
13:13	5.0	62.1	5.80	18.59	0.00	0.742	-50	8.62	

Fort Edward

Site Name	Landfill
Site Location	
Well ID	MW-6A
Sampled By	TR/ST

Well Information

Flush Mount or Riser	Riser
Measuring Point	TOC
Measuring Point Elevation	
Depth to Water	10.57
Depth to Bottom of Well	61.11

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/17/13
Weather	Sunny 60-s
Purging Equipment	Monsoon
Sampling Equipment	Flow thru cell
Decon Method	Alconox + H_2O
Riser Diameter	4"
Well Volume Calculation	See Below

61.11 - 10.57 =

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
Static	—	—	—	—	—	—	—	10.57	
11^{55}	0.5	44.5	6.54	13.96	0.0	1.06	-65	10.75	
12^{00}	1.1	24.0	6.46	13.79	0.0	1.07	-65	10.75	
12^{05}	2.0	8.6	6.41	13.77	0.0	1.11	-67	11.84	
12^{10}	4.0	2.7	6.37	13.55	0.0	1.13	-69	10.79	
12^{15}	4.7	1.8	6.36	13.54	0.0	1.14	-70	10.78	
12^{20}	5.2	1.5	6.35	13.58	0.0	1.14	-70	10.76	
12^{25}	6.0	1.8	6.34	13.42	0.0	1.14	-71	10.80	
12^{28}	6.2	1.7	6.34	13.41	0.0	1.14	-71	10.82	
12^{31}	7.0	1.7	6.33	13.29	0.0	1.14	-72	10.83	

Fort Edward Landfill

Site Name	
Site Location	
Well ID	MW-6B
Sampled By	SI / TR

Well Information

Flush Mount or Riser	Riser
Measuring Point	Top of Casing
Measuring Point Elevation	
Depth to Water	16.39
Depth to Bottom of Well	~~16.39~~ 81.47

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/17/13
Weather	Sunny, 60's
Purging Equipment	Monsoon
Sampling Equipment	Flow thru cell
Decon Method	Alconox / H_2O
Riser Diameter	4"
Well Volume Calculation	See Below

81.47 − 16.39

C

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
10^15	0.1	12.7	7.64	15.50	3.62	0.211	41	16.39	
10^20	0.2	12.4	7.69	16.06	2.13	0.208	46	19.78	
10^25	0.3	13.5	7.78	16.58	1.50	0.207	56	21.26	
10^30	0.7	14.5	7.80	16.68	1.99	0.206	70	23.45	
10^35	1.0	14.1	7.81	16.84	1.38	0.206	72	24.83	
10^40	1.2	14.1	7.81	17.12	1.47	0.207	79	26.40	
10^45	1.5	15.2	7.83	17.29	1.49	0.202	86	27.44	

Site Name	Fort Edward Landfill / NYSDEC
Site Location	
Well ID	MW-7
Sampled By	KC / ST

Well Information

Flush Mount or Riser	Riser
Measuring Point	
Measuring Point Elevation	
Depth to Water	17.89
Depth to Bottom of Well	29.47

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/15/2013
Weather	@ 60°F
Purging Equipment	Monsoon pump
Sampling Equipment	Bailer
Decon Method	Alconox
Riser Diameter	2 inch
Well Volume Calculation	4.68

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (°C)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
1324	4 gallons	3.8	5.86	13.37	0.00	0.910	-69	17.98	7.3
1328	6 gallons	0.6	5.86	14.09	0.00	0.902	-71	17.98	7.3
1333	6.5 gallons	0.8	5.84	14.47	0.00	0.904	-71	17.98	7.4
1342	~~7~~ @ 6.79	1.1	5.82	15.00	0.0	0.905	-71	18.00	7.6
	Battery died							18.02	
	— sampled using bailer —								

Site Name	Fort Ed. Landfill
Site Location	
Well ID	MW-8
Sampled By	KC / TZ

Well Information

Flush Mount or Riser	Riser
Measuring Point	North
Measuring Point Elevation	
Depth to Water	7.93
Depth to Bottom of Well	12.20

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/17/2013
Weather	Sunny @ 60s°F
Purging Equipment	monsoon pump.
Sampling Equipment	monsoon pump
Decon Method	Alconox
Riser Diameter	2 inches.
Well Volume Calculation	2.089 gallons

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (°C)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
—	after equipment installed						→	9.40	—
1135	1 gallon	0.9	7.45	15.99	0.00	0.360	55	9.35	6.2
1142	2.5 gallon	0.0	7.45	16.10	0.00	0.361	37	10.00	6.3
1149	3.5 gallons	0.0	7.53	16.29	0.00	0.360	11	10.40	6.3
1152	3.7 gallon	0.0	7.57	16.39	0.00	0.361	10	10.50	6.2
1156	3.9 g.	0.0	7.61	16.44	0.00	0.359	-3	can read	6.7
1201	4.3 g	0.0	7.64	16.64	0.00	0.359	7	below pump.	6.7
well started to dry up - shut off and let recharge for approximately 20 minutes then began sampling —									

Site Name	Fort Edward Landfill
Site Location	FT. EDWARD
Well ID	NEW MW
Sampled By	TR / ST

Well Information

Flush Mount or Riser	Riser
Measuring Point	RISER @ TOP OF STICK UP
Measuring Point Elevation	
Depth to Water	7.73
Depth to Bottom of Well	22.81

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/18/13
Weather	~50- 60's
Purging Equipment	
Sampling Equipment	Peristaltic
Decon Method	
Riser Diameter	WELL = 2" STANDPIPE = 4"
Well Volume Calculation	

7.4 PURGE

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (C)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
9:35	—	34.8	6.7	12.20	1.37	2.27	93	9.50	
9:40	.25	31.6	6.78	12.56	.64	2.28	86	9.24	
9:45	.4	31.3	6.8	12.67	0.00	2.28	76	9.62	
9:50	.5	167	6.81	12.81	0.00	2.27	70	9.91	
9:55	.6	461	6.80	13.14	0.00	2.29	15	10.22	
10:00	.7	522	6.8	13.21	0.00	2.31	3	10.50	
10:05	1.0	467	6.81	13.11	0.00	2.33	-4	10.78	
10:10	1.3	296	6.81	12.98	0.00	2.32	-13	11.13	
10:15	1.7	191	6.80	13.07	0.00	2.34	-11	11.35	
10:20	2.0	93.1	6.80	13.06	0.00	2.31	-11	11.52	
10:25	2.5	51.3	6.8	13.17	0.00	2.30	-11	11.57	
10:30	3.2	40.1	6.81	13.18	0.00	2.29	-8	11.62	
10:35	3.~~5~~ 3.3	31.9	6.80	13.27	0.00	2.28	-2	11.69	
10:40	4.~~0~~ 3.5	26.8	6.81	13.18	0.00	2.28	1	11.77	
10:45	~~4.0~~ 3.75	21.3	6.81	13.21	0.00	2.27	5	11.83	
10:50	4.0	18.0	6.81	13.24	0.00	2.27	7	11.92	
10:55	4.2	15.4	6.81	13.20	0.00	2.27	10	11.97	

continued on back Page

Site Name	Fort Edward Landfill
Site Location	
Well ID	New MW
Sampled By	TR/ST

Well Information

Flush Mount or Riser	
Measuring Point	
Measuring Point Elevation	
Depth to Water	
Depth to Bottom of Well	

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/18/2013
Weather	
Purging Equipment	
Sampling Equipment	
Decon Method	
Riser Diameter	
Well Volume Calculation	

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
1100	4.3 g	14.0	6.81	13.05	0.00	2.27	11	12.04	
1103	4.4 g	13.5	6.81	13.07	0.00	2.27	12		
— Sampled —									

Page 1 of 2

Site Name	ft Edward
Site Location	"
Well ID	~~MW-1~~ EW-1
Sampled By	BBA-PL

Well Information

Flush Mount or Riser	Manhole
Measuring Point	TOC
Measuring Point Elevation	
Depth to Water	22.40
Depth to Bottom of Well	39.80

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10-18-13
Weather	Sunny
Purging Equipment	Monsoon
Sampling Equipment	"
Decon Method	Alconox
Riser Diameter	
Well Volume Calculation	

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
11:20	.1	73.5	6.22	15.35°C	3.61	1.56	-44	22.67	
11:30	1.2	47.0	6.15	15.25°C	.00	1.57	-48	22.79	
11:35	2.5	41.2	6.14	15.06°C	.00	1.59	-50	22.90	
11:40	5gl	31.6	6.12	15.11	.00	1.64	-53	23.00	
11:45	6gl	25.8	6.13	14.96°C	.00	1.67	-53	23.01	
11:50	7gl	19.9	6.13	14.91°C	.00	1.69	-53	23.01	
11:55	8.5	17.0	6.12	14.95°C	.00	1.71	-52	23.02	
12:00	9.8	14.2	6.14	14.94°C	.00	1.73	-52	23.01	
12:05	11	14.2 ~~15.00~~	6.11	14.96°C	.00	1.77	-53	23.10	
12:10	13	12.4	6.11	14.95°C	.00	1.80	-52	23.12	
12:15	15	10.9	6.12	14.85°C	.00	1.83	-53	23.19	
12:20	16	10.0	6.09	14.93°C	.00	1.86	-52	23.20	
12:25	17.5	8.4	6.09	14.91°C	.00	1.90	-51	23.24	
12:30	20	7.9	6.10	14.93°C	.00	1.92	-52	23.26	
12:35	21	7.9	6.09	14.78°C	.00	1.96	-51	23.32	
12:40	22.5	6.1	6.09	14.38°C	.00	1.99	-51	23.34	

Site Name	Ft. Edward
Site Location	
Well ID	~~MW-1~~ EW-1
Sampled By	BB + PL

Well Information

Flush Mount or Riser	MANHole
Measuring Point	TOC
Measuring Point Elevation	
Depth to Water	23.34
Depth to Bottom of Well	34.80

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10-18-13
Weather	Sunny
Purging Equipment	Monsoon
Sampling Equipment	Monsoon
Decon Method	Alconox
Riser Diameter	
Well Volume Calculation	

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
1245	24	3.6	6.09	14.72°C	.00	2.05	-51	23.37	
1250	25	5.8	6.08	14.89°C	.00	2.10	-51	23.40	
1255	26	4.7	6.09	14.82°C	.00	2.11	-52	23.42	
1300	27	4.8	6.10	14.77°C	.00	2.13	-52	23.45	

Site Name	Ft Ed.
Site Location	
Well ID	E-2
Sampled By	SI

Well Information

Flush Mount or Riser	Manhole
Measuring Point	TOC
Measuring Point Elevation	
Depth to Water	20.09
Depth to Bottom of Well	46.75

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/21/13
Weather	Sunny. 60°F
Purging Equipment	Monsoon
Sampling Equipment	Flow-Thru Cell
Decon Method	Alcohol & H_2O
Riser Diameter	
Well Volume Calculation	See Below

46.75 - 20.09

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
Static	0.0	—	—	—	—	—	—	20.09	—
9:05	1.0	9.0	6.59	13.77	0.0	1.46	-95	20.22	
9:10	1.6	6.5	6.52	13.95	0.0	1.46	-95	21.56	
9:15	2.2	5.9	6.51	13.38	0.0	1.48	-95	21.70	
9:20	2.9	5.0	6.47	14.0	0.0	1.46	-94	21.85	
9:25	3.7	5.2	6.47	14.0	0.0	1.45	-94	21.93	
*Sampled									

Site Name	Ft. Edward Landfill
Site Location	Ft. Ed. NY
Well ID	E-3
Sampled By	ST / PL

Well Information

Flush Mount or Riser	Manhole
Measuring Point	TOC
Measuring Point Elevation	—
Depth to Water	27.72
Depth to Bottom of Well	48.01

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10/21/13
Weather	Sunny 60's
Purging Equipment	Monsoon Pump
Sampling Equipment	Flow-Thru Cell
Decon Method	H_2O + Alconox
Riser Diameter	
Well Volume Calculation	See Below

48.01 - 27.72 = × 3 × 1.47 =

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
Static	0	—	—	—	—	—	—	27.72	—
10:25	0.2	5.4	6.10	14.09	0.0	2.72	-54	28.31	—
10:30	0.9	4.8	6.13	14.22	0.0	2.78	-57	28.54	—
10:35	1.3	4.5	6.14	14.28	0.0	2.79	-58	28.60	—
10:40	2.0	4.8	6.16	14.35	0.0	2.79	-58	28.79	—

Site Name	Ft Edward
Site Location	
Well ID	GW-6
Sampled By	BJS & PL

Well Information

Flush Mount or Riser	Manhole
Measuring Point	top of Casing
Measuring Point Elevation	
Depth to Water	5.64
Depth to Bottom of Well	25.81

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minule readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Dia. Well	Well Volume Multiplier
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100
10	4.0782
12	5.8726
Well Volume Gallons = Multiplier x Length of Water Column	

Date	10-18-13
Weather	Sunny
Purging Equipment	Monsoon
Sampling Equipment	"
Decon Method	Alconox
Riser Diameter	
Well Volume Calculation	

Time	Volume Removed (Gallons)	Turbidity (NTU)	pH	Temperature (F)	Dissolved O2 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water	Pumping Rate
9:50	.01	7.7	6.57	13.67°C	~~.00~~	.845	-66	5.67	
9:57	2	2.6	6.41	13.28°C	.00	0.846	-67	5.67	
10:00	2.5	1.6	6.35	13.13°C	.00	.845	-67	5.67	
10:05	3.7	1.9	6.33	13.27°C	.00	.844	-67	5.67	
10:10	5	1.5	6.31	13.58°C	.00	.843	-66	5.67	
10:15	6	1.6	6.29	13.33°C	.00	.842	-64	5.67	
10:20	7.5	1.7	6.30	13.36°C	.00	.842	-64	5.67	
10:25	8.6	1.7	6.29	13.58°C	.00	.841	-63	5.67	
10:30	10.00	1.4	6.28	13.65°C	.00	0.840	-62	5.67	

Appendix C

Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-48101-1
Client Project/Site: Fort Edward Site #558001

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

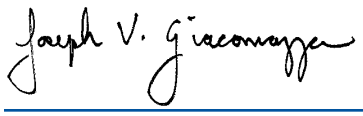
Joseph V. Giacomazza

Authorized for release by:
11/7/2013 5:27:42 PM
Joe Giacomazza, Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman, Project Manager II
(716)504-9839
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
11/7/2013 5:27:42 PM

Table of Contents

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
b	Result Detected in the Unseeded Control blank (USB).
B	Compound was found in the blank and sample.

Glossary

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

Job ID: 480-48101-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-48101-1

Receipt
The samples were received on 10/17/2013 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) for Dichlorodifluoromethane and Trichlorofluoromethane associated with batch 107241 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

GC VOA
Method(s) RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-1 (480-48101-2), MW-7 (480-48101-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl was decreased and slightly exceeded 15% on the ZB-35 column, indicating a low bias. (CCV 480-146214/48)

No other analytical or quality issues were noted.

Metals
Method(s) 6010C: The Low Level Continuing Calibration Verification (CCVL 480-147208/36) contained total manganese above the reporting limit (RL). All reported samples DUP-1 (480-48101-2), MW-7 (480-48101-1) associated with this CCVL were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

No other analytical or quality issues were noted.

General Chemistry
Method(s) SM 2540D: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-7 (480-48101-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) 310.2: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-7 (480-48101-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) 350.1: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-7 (480-48101-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 4500 P E: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-7 (480-48101-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 5210B: For batch # 145728, the USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results are reported.

Method(s) 9038, D516-90, 02: The method blank for batch 145782 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.DUP-1

Job ID: 480-48101-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

(480-48101-2)

Method(s) 9038: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-7 (480-48101-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) 9038, D516-90, 02: The method blank for batch 147082 contained SUlfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.MW-7 (480-48101-1)

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Client Sample ID: MW-7
Date Collected: 10/15/13 14:30
Date Received: 10/17/13 01:00

Lab Sample ID: 480-48101-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			10/26/13 13:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			10/26/13 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			10/26/13 13:55	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			10/26/13 13:55	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			10/26/13 13:55	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			10/26/13 13:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			10/26/13 13:55	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			10/26/13 13:55	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			10/26/13 13:55	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			10/26/13 13:55	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			10/26/13 13:55	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/26/13 13:55	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			10/26/13 13:55	1
2-Butanone (MEK)	ND		10	0.57	ug/L			10/26/13 13:55	1
2-Hexanone	ND		10	0.41	ug/L			10/26/13 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			10/26/13 13:55	1
Acetone	ND		10	1.1	ug/L			10/26/13 13:55	1
Benzene	**0.30**	**J**	1.0	0.13	ug/L			10/26/13 13:55	1
Bromoform	ND		1.0	0.64	ug/L			10/26/13 13:55	1
Bromomethane	ND		1.0	0.41	ug/L			10/26/13 13:55	1
Carbon disulfide	**0.37**	**J**	1.0	0.13	ug/L			10/26/13 13:55	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			10/26/13 13:55	1
Chlorobenzene	ND		1.0	0.15	ug/L			10/26/13 13:55	1
Dibromochloromethane	ND		1.0	0.18	ug/L			10/26/13 13:55	1
Chloroethane	**1.5**		1.0	0.29	ug/L			10/26/13 13:55	1
Chloroform	ND		1.0	0.16	ug/L			10/26/13 13:55	1
Chloromethane	ND		1.0	0.30	ug/L			10/26/13 13:55	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			10/26/13 13:55	1
Cyclohexane	**0.63**	**J**	1.0	0.12	ug/L			10/26/13 13:55	1
Bromodichloromethane	ND		1.0	0.15	ug/L			10/26/13 13:55	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			10/26/13 13:55	1
Ethylbenzene	ND		1.0	0.17	ug/L			10/26/13 13:55	1
1,2-Dibromoethane	ND		1.0	0.24	ug/L			10/26/13 13:55	1
Isopropylbenzene	ND		1.0	0.13	ug/L			10/26/13 13:55	1
Methyl acetate	ND		10	0.38	ug/L			10/26/13 13:55	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			10/26/13 13:55	1
Methylcyclohexane	**0.45**	**J**	1.0	0.13	ug/L			10/26/13 13:55	1
Methylene Chloride	ND		1.0	0.33	ug/L			10/26/13 13:55	1
Tetrachloroethene	ND		1.0	0.29	ug/L			10/26/13 13:55	1
Toluene	**0.98**	**J B**	1.0	0.13	ug/L			10/26/13 13:55	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			10/26/13 13:55	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			10/26/13 13:55	1
Trichloroethene	ND		1.0	0.17	ug/L			10/26/13 13:55	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			10/26/13 13:55	1
Vinyl chloride	ND		1.0	0.22	ug/L			10/26/13 13:55	1
Xylenes, Total	ND		2.0	0.14	ug/L			10/26/13 13:55	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			10/26/13 13:55	1
Styrene	ND		1.0	0.11	ug/L			10/26/13 13:55	1

Client Sample ID: MW-7

Date Collected: 10/15/13 14:30
Date Received: 10/17/13 01:00

Lab Sample ID: 480-48101-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*10/26/13 13:55*	*1*
4-Bromofluorobenzene (Surr)	*79*		*66 - 117*		*10/26/13 13:55*	*1*
Toluene-d8 (Surr)	*88*		*74 - 115*		*10/26/13 13:55*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/17/13 08:55	10/21/13 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*52 - 132*	*10/17/13 08:55*	*10/21/13 16:52*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/17/13 08:55*	*10/21/13 16:52*	*1*
2-Fluorophenol	*71*		*20 - 120*	*10/17/13 08:55*	*10/21/13 16:52*	*1*
Nitrobenzene-d5	*89*		*46 - 120*	*10/17/13 08:55*	*10/21/13 16:52*	*1*
p-Terphenyl-d14	*110*		*67 - 150*	*10/17/13 08:55*	*10/21/13 16:52*	*1*
Phenol-d5	*44*		*16 - 120*	*10/17/13 08:55*	*10/21/13 16:52*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**3300**		200	11	ug/L			10/18/13 11:04	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/19/13 10:26	10/21/13 20:03	1
PCB-1221	ND		0.50	0.18	ug/L		10/19/13 10:26	10/21/13 20:03	1
PCB-1232	ND		0.50	0.18	ug/L		10/19/13 10:26	10/21/13 20:03	1
PCB-1242	ND		0.50	0.18	ug/L		10/19/13 10:26	10/21/13 20:03	1
PCB-1248	ND		0.50	0.18	ug/L		10/19/13 10:26	10/21/13 20:03	1
PCB-1254	ND		0.50	0.25	ug/L		10/19/13 10:26	10/21/13 20:03	1
PCB-1260	ND		0.50	0.25	ug/L		10/19/13 10:26	10/21/13 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 126*	*10/19/13 10:26*	*10/21/13 20:03*	*1*
Tetrachloro-m-xylene	*75*		*23 - 127*	*10/19/13 10:26*	*10/21/13 20:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6.9**		0.20	0.060	mg/L		10/17/13 08:15	10/24/13 00:56	1
Antimony	ND		0.020	0.0068	mg/L		10/17/13 08:15	10/24/13 00:56	1
Arsenic	**0.023**		0.010	0.0056	mg/L		10/17/13 08:15	10/24/13 00:56	1
Barium	**0.059**		0.0020	0.00070	mg/L		10/17/13 08:15	10/24/13 00:56	1
Beryllium	ND		0.0020	0.00030	mg/L		10/17/13 08:15	10/24/13 00:56	1
Cadmium	**0.00070**	**J**	0.0010	0.00050	mg/L		10/17/13 08:15	10/24/13 00:56	1
Calcium	**54.1**		0.50	0.10	mg/L		10/17/13 08:15	10/24/13 00:56	1
Chromium	**0.0060**		0.0040	0.0010	mg/L		10/17/13 08:15	10/24/13 00:56	1
Cobalt	**0.13**		0.0040	0.00063	mg/L		10/17/13 08:15	10/24/13 00:56	1
Copper	**0.0091**	**J**	0.010	0.0016	mg/L		10/17/13 08:15	10/24/13 00:56	1
Iron	**195**		0.050	0.019	mg/L		10/17/13 08:15	10/24/13 00:56	1
Lead	**0.0066**		0.0050	0.0030	mg/L		10/17/13 08:15	10/26/13 14:41	1
Magnesium	**13.4**		0.20	0.043	mg/L		10/17/13 08:15	10/24/13 00:56	1
Manganese	**6.5**	**^**	0.0030	0.00040	mg/L		10/17/13 08:15	10/24/13 00:56	1
Nickel	**0.030**		0.010	0.0013	mg/L		10/17/13 08:15	10/24/13 00:56	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Client Sample ID: MW-7
Date Collected: 10/15/13 14:30
Date Received: 10/17/13 01:00

Lab Sample ID: 480-48101-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2.6		0.50	0.10	mg/L		10/17/13 08:15	10/24/13 00:56	1
Selenium	ND		0.015	0.0087	mg/L		10/17/13 08:15	10/24/13 00:56	1
Silver	ND		0.0030	0.0017	mg/L		10/17/13 08:15	10/24/13 00:56	1
Sodium	3.0		1.0	0.32	mg/L		10/17/13 08:15	10/24/13 00:56	1
Thallium	ND		0.020	0.010	mg/L		10/17/13 08:15	10/24/13 00:56	1
Vanadium	0.0073		0.0050	0.0015	mg/L		10/17/13 08:15	10/24/13 00:56	1
Zinc	0.25		0.010	0.0015	mg/L		10/17/13 08:15	10/24/13 00:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/18/13 09:20	10/18/13 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	152		50.0	20.0	mg/L			10/18/13 06:20	5
Ammonia	0.44		0.020	0.0090	mg/L			10/18/13 14:08	1
Ammonia as NH3	0.53		0.024	0.011	mg/L			10/18/13 14:08	1
Nitrate as N	0.035	J	0.050	0.020	mg/L			10/17/13 11:42	1
Nitrite as N	ND		0.050	0.020	mg/L			10/17/13 11:42	1
Chemical Oxygen Demand	35.4		10.0	5.0	mg/L			11/06/13 14:42	1
Sulfate	2.7	J B	5.0	1.5	mg/L			10/23/13 15:45	1
Total Organic Carbon	4.0		1.0	0.43	mg/L			10/18/13 20:17	1
Hardness as calcium carbonate	194		4.0	1.1	mg/L			10/25/13 05:00	1
Total Dissolved Solids	537		10.0	4.0	mg/L			10/17/13 22:51	1
Phosphorus	0.23		0.010	0.0050	mg/L			10/22/13 14:00	1
Phosphorus as PO4	0.72		0.031	0.015	mg/L			10/22/13 14:00	1
Sulfide	ND		0.10	0.052	mg/L			10/17/13 17:08	1
Biochemical Oxygen Demand	23.4	b	2.0	2.0	mg/L			10/17/13 13:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	231		4.0	4.0	mg/L			10/17/13 19:06	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Client Sample ID: DUP-1
Date Collected: 10/15/13 14:35
Date Received: 10/17/13 01:00

Lab Sample ID: 480-48101-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.22	ug/L			10/26/13 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.18	ug/L			10/26/13 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.28	ug/L			10/26/13 14:17	1
1,1,2-Trichloroethane	ND		1.0	0.27	ug/L			10/26/13 14:17	1
1,1-Dichloroethane	ND		1.0	0.15	ug/L			10/26/13 14:17	1
1,1-Dichloroethene	ND		1.0	0.19	ug/L			10/26/13 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.15	ug/L			10/26/13 14:17	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.67	ug/L			10/26/13 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.13	ug/L			10/26/13 14:17	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			10/26/13 14:17	1
1,2-Dichloropropane	ND		1.0	0.18	ug/L			10/26/13 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			10/26/13 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.13	ug/L			10/26/13 14:17	1
2-Butanone (MEK)	ND		10	0.57	ug/L			10/26/13 14:17	1
2-Hexanone	ND		10	0.41	ug/L			10/26/13 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.32	ug/L			10/26/13 14:17	1
Acetone	ND		10	1.1	ug/L			10/26/13 14:17	1
Benzene	**0.23**	**J**	1.0	0.13	ug/L			10/26/13 14:17	1
Bromoform	ND		1.0	0.64	ug/L			10/26/13 14:17	1
Bromomethane	ND		1.0	0.41	ug/L			10/26/13 14:17	1
Carbon disulfide	**0.41**	**J**	1.0	0.13	ug/L			10/26/13 14:17	1
Carbon tetrachloride	ND		1.0	0.13	ug/L			10/26/13 14:17	1
Chlorobenzene	ND		1.0	0.15	ug/L			10/26/13 14:17	1
Dibromochloromethane	ND		1.0	0.18	ug/L			10/26/13 14:17	1
Chloroethane	**1.4**		1.0	0.29	ug/L			10/26/13 14:17	1
Chloroform	ND		1.0	0.16	ug/L			10/26/13 14:17	1
Chloromethane	ND		1.0	0.30	ug/L			10/26/13 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.17	ug/L			10/26/13 14:17	1
Cyclohexane	**0.69**	**J**	1.0	0.12	ug/L			10/26/13 14:17	1
Bromodichloromethane	ND		1.0	0.15	ug/L			10/26/13 14:17	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			10/26/13 14:17	1
Ethylbenzene	ND		1.0	0.17	ug/L			10/26/13 14:17	1
1,2-Dibromoethane	ND		1.0	0.24	ug/L			10/26/13 14:17	1
Isopropylbenzene	ND		1.0	0.13	ug/L			10/26/13 14:17	1
Methyl acetate	ND		10	0.38	ug/L			10/26/13 14:17	1
Methyl tert-butyl ether	ND		1.0	0.17	ug/L			10/26/13 14:17	1
Methylcyclohexane	**0.51**	**J**	1.0	0.13	ug/L			10/26/13 14:17	1
Methylene Chloride	ND		1.0	0.33	ug/L			10/26/13 14:17	1
Tetrachloroethene	ND		1.0	0.29	ug/L			10/26/13 14:17	1
Toluene	**1.6**	**B**	1.0	0.13	ug/L			10/26/13 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.19	ug/L			10/26/13 14:17	1
trans-1,3-Dichloropropene	ND		1.0	0.19	ug/L			10/26/13 14:17	1
Trichloroethene	ND		1.0	0.17	ug/L			10/26/13 14:17	1
Trichlorofluoromethane	ND		1.0	0.21	ug/L			10/26/13 14:17	1
Vinyl chloride	ND		1.0	0.22	ug/L			10/26/13 14:17	1
Xylenes, Total	ND		2.0	0.14	ug/L			10/26/13 14:17	1
cis-1,3-Dichloropropene	ND		1.0	0.14	ug/L			10/26/13 14:17	1
Styrene	ND		1.0	0.11	ug/L			10/26/13 14:17	1

Client Sample ID: DUP-1
Date Collected: 10/15/13 14:35
Date Received: 10/17/13 01:00

Lab Sample ID: 480-48101-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*63 - 129*		*10/26/13 14:17*	*1*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*10/26/13 14:17*	*1*
Toluene-d8 (Surr)	*95*		*74 - 115*		*10/26/13 14:17*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/17/13 08:55	10/21/13 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*52 - 132*	*10/17/13 08:55*	*10/21/13 17:28*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*10/17/13 08:55*	*10/21/13 17:28*	*1*
2-Fluorophenol	*67*		*20 - 120*	*10/17/13 08:55*	*10/21/13 17:28*	*1*
Nitrobenzene-d5	*91*		*46 - 120*	*10/17/13 08:55*	*10/21/13 17:28*	*1*
p-Terphenyl-d14	*104*		*67 - 150*	*10/17/13 08:55*	*10/21/13 17:28*	*1*
Phenol-d5	*42*		*16 - 120*	*10/17/13 08:55*	*10/21/13 17:28*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**4400**		200	11	ug/L			10/18/13 11:33	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 20:18	1
PCB-1221	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 20:18	1
PCB-1232	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 20:18	1
PCB-1242	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 20:18	1
PCB-1248	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 20:18	1
PCB-1254	ND		0.45	0.23	ug/L		10/19/13 10:26	10/21/13 20:18	1
PCB-1260	ND		0.45	0.23	ug/L		10/19/13 10:26	10/21/13 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*19 - 126*	*10/19/13 10:26*	*10/21/13 20:18*	*1*
Tetrachloro-m-xylene	*65*		*23 - 127*	*10/19/13 10:26*	*10/21/13 20:18*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.9**		0.20	0.060	mg/L		10/17/13 08:15	10/24/13 00:58	1
Antimony	ND		0.020	0.0068	mg/L		10/17/13 08:15	10/24/13 00:58	1
Arsenic	**0.014**		0.010	0.0056	mg/L		10/17/13 08:15	10/24/13 00:58	1
Barium	**0.032**		0.0020	0.00070	mg/L		10/17/13 08:15	10/24/13 00:58	1
Beryllium	ND		0.0020	0.00030	mg/L		10/17/13 08:15	10/24/13 00:58	1
Cadmium	ND		0.0010	0.00050	mg/L		10/17/13 08:15	10/24/13 00:58	1
Calcium	**52.3**		0.50	0.10	mg/L		10/17/13 08:15	10/24/13 00:58	1
Chromium	**0.0012**	**J**	0.0040	0.0010	mg/L		10/17/13 08:15	10/24/13 00:58	1
Cobalt	**0.051**		0.0040	0.00063	mg/L		10/17/13 08:15	10/24/13 00:58	1
Copper	**0.0036**	**J**	0.010	0.0016	mg/L		10/17/13 08:15	10/24/13 00:58	1
Iron	**178**		0.050	0.019	mg/L		10/17/13 08:15	10/24/13 00:58	1
Lead	**0.0030**	**J**	0.0050	0.0030	mg/L		10/17/13 08:15	10/26/13 14:44	1
Magnesium	**12.9**		0.20	0.043	mg/L		10/17/13 08:15	10/24/13 00:58	1
Manganese	**6.1**	**^**	0.0030	0.00040	mg/L		10/17/13 08:15	10/24/13 00:58	1
Nickel	**0.010**		0.010	0.0013	mg/L		10/17/13 08:15	10/24/13 00:58	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Client Sample ID: DUP-1
Date Collected: 10/15/13 14:35
Date Received: 10/17/13 01:00

Lab Sample ID: 480-48101-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.9		0.50	0.10	mg/L		10/17/13 08:15	10/24/13 00:58	1
Selenium	ND		0.015	0.0087	mg/L		10/17/13 08:15	10/24/13 00:58	1
Silver	ND		0.0030	0.0017	mg/L		10/17/13 08:15	10/24/13 00:58	1
Sodium	2.4		1.0	0.32	mg/L		10/17/13 08:15	10/24/13 00:58	1
Thallium	ND		0.020	0.010	mg/L		10/17/13 08:15	10/24/13 00:58	1
Vanadium	ND		0.0050	0.0015	mg/L		10/17/13 08:15	10/24/13 00:58	1
Zinc	0.089		0.010	0.0015	mg/L		10/17/13 08:15	10/24/13 00:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/18/13 09:20	10/18/13 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	22.4		10.0	4.0	mg/L			10/17/13 18:14	1
Ammonia	0.33		0.020	0.0090	mg/L			10/18/13 14:09	1
Ammonia as NH3	0.40		0.024	0.011	mg/L			10/18/13 14:09	1
Nitrate as N	0.034	J	0.050	0.020	mg/L			10/17/13 11:44	1
Nitrite as N	ND		0.050	0.020	mg/L			10/17/13 11:44	1
Chemical Oxygen Demand	37.3		10.0	5.0	mg/L			11/05/13 18:54	1
Sulfate	4.2	J B	5.0	1.5	mg/L			10/17/13 18:10	1
Total Organic Carbon	3.1		1.0	0.43	mg/L			10/18/13 20:47	1
Hardness as calcium carbonate	186		4.0	1.1	mg/L			10/25/13 05:00	1
Total Dissolved Solids	515		10.0	4.0	mg/L			10/17/13 22:51	1
Phosphorus	0.23		0.010	0.0050	mg/L			10/22/13 14:00	1
Phosphorus as PO4	0.70		0.031	0.015	mg/L			10/22/13 14:00	1
Sulfide	ND		0.10	0.052	mg/L			10/17/13 17:10	1
Biochemical Oxygen Demand	31.3	b	2.0	2.0	mg/L			10/17/13 13:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	122		4.0	4.0	mg/L			10/17/13 19:09	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Client Sample ID: MW-7

Lab Sample ID: 480-48101-1

Date Collected: 10/15/13 14:30

Matrix: Water

Date Received: 10/17/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	107241	10/26/13 13:55	RJQ	TAL CAN
Total/NA	Prep	3510C			145575	10/17/13 08:55	KEB	TAL BUF
Total/NA	Analysis	8270D		1	146391	10/21/13 16:52	AR1	TAL BUF
Total/NA	Analysis	RSK-175		50	145824	10/18/13 11:04	MAN	TAL BUF
Total/NA	Prep	3510C			146121	10/19/13 10:26	KEB	TAL BUF
Total/NA	Analysis	8082A		1	146214	10/21/13 20:03	JMM	TAL BUF
Total/NA	Prep	7470A			145875	10/18/13 09:20	JRK	TAL BUF
Total/NA	Analysis	7470A		1	145985	10/18/13 11:52	SS1	TAL BUF
Total/NA	Prep	3005A			145538	10/17/13 08:15	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147208	10/24/13 00:56	LMH	TAL BUF
Total/NA	Prep	3005A			145538	10/17/13 08:15	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148031	10/26/13 14:41	LMH	TAL BUF
Total/NA	Analysis	353.2		1	145662	10/17/13 11:42	KMF	TAL BUF
Total/NA	Analysis	353.2		1	145663	10/17/13 11:42	KMF	TAL BUF
Total/NA	Analysis	SM 2540D		1	145715	10/17/13 19:06	KS	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	145723	10/17/13 17:08	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	145728	10/17/13 13:45	MDL	TAL BUF
Total/NA	Analysis	SM 2540C		1	145766	10/17/13 22:51	KS	TAL BUF
Total/NA	Analysis	310.2		5	145876	10/18/13 06:20	RMB	TAL BUF
Total/NA	Analysis	350.1		1	146038	10/18/13 14:08	KMF	TAL BUF
Total/NA	Analysis	9060A		1	146232	10/18/13 20:17	KRC	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146718	10/22/13 14:00	KMF	TAL BUF
Total/NA	Analysis	9038		1	147082	10/23/13 15:45	NCH	TAL BUF
Total/NA	Analysis	SM 2340C		1	147574	10/25/13 05:00	LAW	TAL BUF
Total/NA	Analysis	410.4		1	150251	11/06/13 14:42	JMB	TAL BUF

Client Sample ID: DUP-1

Lab Sample ID: 480-48101-2

Date Collected: 10/15/13 14:35

Matrix: Water

Date Received: 10/17/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	107241	10/26/13 14:17	RJQ	TAL CAN
Total/NA	Prep	3510C			145575	10/17/13 08:55	KEB	TAL BUF
Total/NA	Analysis	8270D		1	146391	10/21/13 17:28	AR1	TAL BUF
Total/NA	Analysis	RSK-175		50	145824	10/18/13 11:33	MAN	TAL BUF
Total/NA	Prep	3510C			146121	10/19/13 10:26	KEB	TAL BUF
Total/NA	Analysis	8082A		1	146214	10/21/13 20:18	JMM	TAL BUF
Total/NA	Prep	7470A			145875	10/18/13 09:20	JRK	TAL BUF
Total/NA	Analysis	7470A		1	145985	10/18/13 12:00	SS1	TAL BUF
Total/NA	Prep	3005A			145538	10/17/13 08:15	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147208	10/24/13 00:58	LMH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Client Sample ID: DUP-1

Date Collected: 10/15/13 14:35
Date Received: 10/17/13 01:00

Lab Sample ID: 480-48101-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			145538	10/17/13 08:15	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148031	10/26/13 14:44	LMH	TAL BUF
Total/NA	Analysis	353.2		1	145662	10/17/13 11:44	KMF	TAL BUF
Total/NA	Analysis	353.2		1	145663	10/17/13 11:44	KMF	TAL BUF
Total/NA	Analysis	SM 2540D		1	145715	10/17/13 19:09	KS	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	145723	10/17/13 17:10	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	145728	10/17/13 13:45	MDL	TAL BUF
Total/NA	Analysis	SM 2540C		1	145766	10/17/13 22:51	KS	TAL BUF
Total/NA	Analysis	310.2		1	145780	10/17/13 18:14	NCH	TAL BUF
Total/NA	Analysis	9038		1	145782	10/17/13 18:10	NCH	TAL BUF
Total/NA	Analysis	350.1		1	146038	10/18/13 14:09	KMF	TAL BUF
Total/NA	Analysis	9060A		1	146232	10/18/13 20:47	KRC	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146718	10/22/13 14:00	KMF	TAL BUF
Total/NA	Analysis	SM 2340C		1	147574	10/25/13 05:00	LAW	TAL BUF
Total/NA	Analysis	410.4		1	149980	11/05/13 18:54	JMB	TAL BUF

Laboratory References:

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

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-14 *
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-14 *
Texas	NELAP	6		08-31-14 *

* Expired certification is currently pending renewal and is considered valid.

Certification Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Laboratory: TestAmerica Canton (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-14
Washington	State Program	10	C971	01-12-14
Wisconsin	State Program	5	999518190	08-31-14

Method Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CAN
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
410.4	COD	MCAWW	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
SM 2340C	Hardness, Total	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48101-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-48101-1	MW-7	Water	10/15/13 14:30	10/17/13 01:00
480-48101-2	DUP-1	Water	10/15/13 14:35	10/17/13 01:00

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact	Sampler: Karen Carling	Site Contact: Karen Carling	Date:	COC No: 001
Karen Carling	Tel/Fax: (518)885-5383	Lab Contact: Sally Hoffman	Carrier:	1 of 1 COCs
Aztech Technologies, Inc	Analysis Turnaround Time			Job No.
5 McCrea Hill Road	Calendar (C) or Work Days (W) _____			
Ballston Spa, NY 12020	Standard			SDG No.
Project Name: Fort Edward Landfill #558001				
NYSDEC Call Out # 120794				
Project Number: 48004992				

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	350.1, 410.4, 4500_P_E	6010B, 7470A	2340C - Hardness as calcium carbonate	8260B - TCL list OLM04.2	9060- Total Organic Carbon	RSK_175 - Methane	8082 - TCL PCBs - OLM04.2	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	2540D - Total Suspended Solids	SM4500_S2_D - Sulfide	353.2, 353.2_Nitrite, 9038, Nitrate_Calc	310.2 - Alkalinity, Total	8270C - (MOD) TCL SVOA - OLM04.2	Sample Specific Notes:
MW-7	10/15/13	1230	G	GW	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
DUP-1	10/15/13	1435	G	GW	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

10/16/13

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

X *Non-Hazard* *Flammable* *Skin Irritant* *Poison B* *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client X *Disposal By Lab* *Archive For* _____ Mo

Special Instructions/QC Requirements & Comments:

2.2 #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Aztech	10/15/13 1730		TA	10/16/13 12:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	10/16/13		TA	10-17-13 0100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS

480-48101 Chain of Custody

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

1.8,2,2

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hoffman, Sally J	Carrier Tracking No(s):	COC No: 480-12864.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sally.hoffman@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 480-48101-1

Address: 4101 Shuffel Street NW, ,	Due Date Requested: 10/30/2013
City: North Canton	TAT Requested (days):
State, Zip: OH, 44720	
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #:
Email:	WO #:
Project Name: Fort Edward Site #558001	Project #: 48004992
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/6030C TCL list OLM04.2 - Canton	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-7 (480-48101-1)	10/15/13	14:30 Eastern		Water			X	3	
DUP-1 (480-48101-2)	10/15/13	14:35 Eastern		Water			X	3	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	10-17-13 1700	TAB	[signature]	10/18/13 0920	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton Sample Receipt Form/Narrative Login # : 486-48101
Canton Facility

Client TA Buffalo Site Name _____ Cooler unpacked by: Derek W. Keen

Cooler Received on 10/18/13 Opened on 10-18-13

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # Multi Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# A (CF +2 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 4 (CF +1 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C ☑ See Multiple Cooler Form

IR GUN# 5 (CF +2 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

IR GUN# 8 (CF -0 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No

6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC376062
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative
Canton Facility

Login #: 480-48101

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client Cooler 1	8 1	1.8 2.2	1.8 2.2	Ice 1

C:\Users\livengoodc\AppData\Local\Microsoft\Windows\Temporary Internet Files\OLKD16\WI-NC-099-031813 Cooler Receipt Form_page 2 - Multiple Coolers.doc
Revision 3, 3/18/13 rls

ORIGIN ID:DKKA (716) 691-2600
KEN KINECKI
TESTAMERICA
10 HAZELWOOD DR

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 17OCT13
ACTWGT: 43.0 LB MAN
CAD: 735603/CAFE2704
DIMS: 26x15x14 IN

BILL RECIPIENT

TO SAMPLE CONTROL
TA NORTH CANTON
4101 SHUFFEL DRIVE NW

NORTH CANTON OH 44720
(330) 497-9396 REF: NORTH CANTON
DEPT: SAMPLE CONTROL

FedEx Express

FRI - 18 OCT AA
STANDARD OVERNIGHT

TRK# 0201 4485 0265 4991

XH PHDA

44720
OH-US CLE

Part # 156146-434 RIT2 08/13

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-48101-1

Login Number: 48101

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-48203-1
Client Project/Site: Fort Edward Site #558001

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

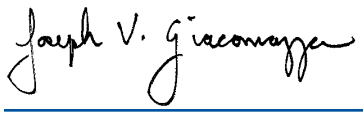
Joseph V. Giacomazza

Authorized for release by:
11/1/2013 4:27:11 PM
Joe Giacomazza, Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman, Project Manager II
(716)504-9839
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
11/1/2013 4:27:11 PM

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
*	ISTD response or retention time outside acceptable limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Job ID: 480-48203-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-48203-1

Receipt
The samples were received on 10/18/2013 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.4º C and 2.7º C.

GC/MS VOA
Method(s) 8260C: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for batch 147193 recovered outside control limits for the following analytes: Acetone, Bromoform, Bromomethane, Carbon tetrachloride, Methyl acetate, Methylcyclohexane, and trans-1,4-Dichloro-2-butene.

Method(s) 8260C: The laboratory control sample duplicate (LCSD) for batch 147193 recovered outside control limits for the following analytes: Carbon tetrachloride and Bromoform. These are not client requested spiking analytes; therefore, the data have been qualified and reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) for analytical batch 146613 recovered outside control limits for multiple analytes. These analyte were within acceptable limits in the low level calibration verification (CCVL), therefore the data have been qualified and reported.

Method(s) 8270D: Internal standard responses for the following samples exceeded the lower control limit: MW-01A (480-48203-3). As such, the sample results may be biased high. The analytes associated with the failing internal standards were below the reporting limit, therefore the data has been qualified and reported.

Method(s) 8270D: Surrogate recovery for the following samples was outside the upper control limit: MW-01 (480-48203-1), MW-01A (480-48203-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The following sample contained one acid and/or one base surrogate outside acceptance limits: MW-01D (480-48203-2). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) for multiple analytes associated with batch 146613 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270D: The continuing calibration verification (CCV) for Sulfotepp associated with batch 146613 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270D: The continuing calibration verification (CCV) for multiple analytes associated with batch 147078 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270D: Surrogate recovery for the following method blank was outside control limits: (MB 480-146016/1-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl

Job ID: 480-48203-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

was decreased and slightly exceeded 15% on the ZB-35 column, indicating a low bias. (CCV 480-146214/48)

No other analytical or quality issues were noted.

Metals

Method(s) 6010C: The Method Blank for batch 480-145828 contained total aluminum above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples MW-01 (480-48203-1), MW-01A (480-48203-3), MW-01D (480-48203-2), MW-02A (480-48203-4) was not performed.

Method(s) 6010C: The Method Blank for batch 480-145828 contained total zinc above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples MW-01 (480-48203-1), MW-01A (480-48203-3), MW-02A (480-48203-4) was not performed.

Method(s) 6010C: The Method Blank for batch 480-145828 contained total zinc above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of sample MW-01D (480-48203-2) was not performed.

No other analytical or quality issues were noted.

General Chemistry

Method(s) 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 145890 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-48203-4 MS)

Method(s) SM 5210B: For batch 146035, the USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results are reported. (USB 480-146035/1)

Method(s) 9038, D516-90, 02: The method blank for batch 146064 contained sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.MW-01 (480-48203-1), MW-01A (480-48203-3), MW-01D (480-48203-2), MW-02A (480-48203-4)

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01
Date Collected: 10/16/13 15:05
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/13 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/13 11:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/13 11:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/13 11:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/13 11:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/13 11:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/13 11:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/13 11:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/13 11:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/13 11:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/13 11:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/13 11:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/13 11:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/13 11:58	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/13 11:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/13 11:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/13 11:58	1
Acetone	ND	*	10	3.0	ug/L			10/24/13 11:58	1
Benzene	ND		1.0	0.41	ug/L			10/24/13 11:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/13 11:58	1
Bromoform	ND	*	1.0	0.26	ug/L			10/24/13 11:58	1
Bromomethane	ND	*	1.0	0.69	ug/L			10/24/13 11:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/13 11:58	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			10/24/13 11:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/13 11:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/13 11:58	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/13 11:58	1
Chloroform	ND		1.0	0.34	ug/L			10/24/13 11:58	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/13 11:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/13 11:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/13 11:58	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/13 11:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/13 11:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 11:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/13 11:58	1
Methyl acetate	ND	*	1.0	0.50	ug/L			10/24/13 11:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/13 11:58	1
Methylcyclohexane	ND	*	1.0	0.16	ug/L			10/24/13 11:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/13 11:58	1
Styrene	ND		1.0	0.73	ug/L			10/24/13 11:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/13 11:58	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 11:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/13 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/13 11:58	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/13 11:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/13 11:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/13 11:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 11:58	1

Client Sample ID: MW-01
Date Collected: 10/16/13 15:05
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*10/24/13 11:58*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*10/24/13 11:58*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/24/13 11:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/18/13 14:59	10/22/13 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*154*	*X*	*52 - 132*	*10/18/13 14:59*	*10/22/13 23:02*	*1*
2-Fluorobiphenyl	*137*	*X*	*48 - 120*	*10/18/13 14:59*	*10/22/13 23:02*	*1*
2-Fluorophenol	*70*		*20 - 120*	*10/18/13 14:59*	*10/22/13 23:02*	*1*
Nitrobenzene-d5	*107*		*46 - 120*	*10/18/13 14:59*	*10/22/13 23:02*	*1*
p-Terphenyl-d14	*157*	*X*	*67 - 150*	*10/18/13 14:59*	*10/22/13 23:02*	*1*
Phenol-d5	*41*		*16 - 120*	*10/18/13 14:59*	*10/22/13 23:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**110**		4.0	0.22	ug/L			10/18/13 12:29	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 20:33	1
PCB-1221	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 20:33	1
PCB-1232	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 20:33	1
PCB-1242	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 20:33	1
PCB-1248	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 20:33	1
PCB-1254	ND		0.46	0.23	ug/L		10/19/13 10:26	10/21/13 20:33	1
PCB-1260	ND		0.46	0.23	ug/L		10/19/13 10:26	10/21/13 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*19 - 126*	*10/19/13 10:26*	*10/21/13 20:33*	*1*
Tetrachloro-m-xylene	*60*		*23 - 127*	*10/19/13 10:26*	*10/21/13 20:33*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/18/13 12:20	10/21/13 00:00	1
Antimony	ND		0.020	0.0068	mg/L		10/18/13 12:20	10/21/13 00:00	1
Arsenic	ND		0.010	0.0056	mg/L		10/18/13 12:20	10/21/13 00:00	1
Barium	**0.018**		0.0020	0.00070	mg/L		10/18/13 12:20	10/21/13 00:00	1
Beryllium	ND		0.0020	0.00030	mg/L		10/18/13 12:20	10/21/13 00:00	1
Cadmium	ND		0.0010	0.00050	mg/L		10/18/13 12:20	10/21/13 00:00	1
Calcium	**36.2**		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 00:00	1
Chromium	ND		0.0040	0.0010	mg/L		10/18/13 12:20	10/21/13 00:00	1
Cobalt	ND		0.0040	0.00063	mg/L		10/18/13 12:20	10/21/13 00:00	1
Copper	ND		0.010	0.0016	mg/L		10/18/13 12:20	10/21/13 00:00	1
Iron	**0.021**	**J**	0.050	0.019	mg/L		10/18/13 12:20	10/21/13 00:00	1
Lead	ND		0.0050	0.0030	mg/L		10/18/13 12:20	10/21/13 00:00	1
Magnesium	**8.6**		0.20	0.043	mg/L		10/18/13 12:20	10/21/13 00:00	1
Manganese	**0.0012**	**J**	0.0030	0.00040	mg/L		10/18/13 12:20	10/21/13 17:12	1
Nickel	ND		0.010	0.0013	mg/L		10/18/13 12:20	10/21/13 00:00	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01
Date Collected: 10/16/13 15:05
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**1.0**		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 17:12	1
Selenium	ND		0.015	0.0087	mg/L		10/18/13 12:20	10/21/13 00:00	1
Silver	ND		0.0030	0.0017	mg/L		10/18/13 12:20	10/21/13 00:00	1
Sodium	**48.3**		1.0	0.32	mg/L		10/18/13 12:20	10/21/13 00:00	1
Thallium	ND		0.020	0.010	mg/L		10/18/13 12:20	10/21/13 00:00	1
Vanadium	ND		0.0050	0.0015	mg/L		10/18/13 12:20	10/21/13 00:00	1
Zinc	**0.0043**	**J B**	0.010	0.0015	mg/L		10/18/13 12:20	10/24/13 19:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/18/13 09:20	10/18/13 12:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	**121**		20.0	8.0	mg/L			10/18/13 17:32	2
Ammonia	ND		0.020	0.0090	mg/L			10/18/13 16:05	1
Ammonia as NH3	ND		0.024	0.011	mg/L			10/18/13 16:05	1
Nitrate as N	**2.4**		0.050	0.020	mg/L			10/18/13 09:00	1
Nitrite as N	ND		0.050	0.020	mg/L			10/18/13 09:00	1
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			10/18/13 15:02	1
Sulfate	**34.4**	**B**	5.0	1.5	mg/L			10/18/13 16:27	1
Total Organic Carbon	**0.66**	**J**	1.0	0.43	mg/L			10/19/13 00:05	1
Hardness as calcium carbonate	**136**		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	**292**		10.0	4.0	mg/L			10/18/13 21:59	1
Phosphorus	ND		0.010	0.0050	mg/L			10/22/13 14:00	1
Phosphorus as PO4	ND		0.031	0.015	mg/L			10/22/13 14:00	1
Sulfide	ND		0.10	0.052	mg/L			10/18/13 19:22	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/18/13 11:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/13 15:31	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01D
Date Collected: 10/16/13 12:00
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/13 12:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/13 12:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/13 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/13 12:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/13 12:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/13 12:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/13 12:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/13 12:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/13 12:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/13 12:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/13 12:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/13 12:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/13 12:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/13 12:21	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/13 12:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/13 12:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/13 12:21	1
Acetone	ND	*	10	3.0	ug/L			10/24/13 12:21	1
Benzene	ND		1.0	0.41	ug/L			10/24/13 12:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/13 12:21	1
Bromoform	ND	*	1.0	0.26	ug/L			10/24/13 12:21	1
Bromomethane	ND	*	1.0	0.69	ug/L			10/24/13 12:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/13 12:21	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			10/24/13 12:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/13 12:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/13 12:21	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/13 12:21	1
Chloroform	ND		1.0	0.34	ug/L			10/24/13 12:21	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/13 12:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/13 12:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/13 12:21	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/13 12:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/13 12:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 12:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/13 12:21	1
Methyl acetate	ND	*	1.0	0.50	ug/L			10/24/13 12:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/13 12:21	1
Methylcyclohexane	ND	*	1.0	0.16	ug/L			10/24/13 12:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/13 12:21	1
Styrene	ND		1.0	0.73	ug/L			10/24/13 12:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/13 12:21	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 12:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/13 12:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/13 12:21	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/13 12:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/13 12:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/13 12:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 12:21	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01D
Date Collected: 10/16/13 12:00
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*10/24/13 12:21*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*		*10/24/13 12:21*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/24/13 12:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/18/13 14:59	10/22/13 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*134*	*X*	*52 - 132*	*10/18/13 14:59*	*10/22/13 23:29*	*1*
2-Fluorobiphenyl	*117*		*48 - 120*	*10/18/13 14:59*	*10/22/13 23:29*	*1*
2-Fluorophenol	*56*		*20 - 120*	*10/18/13 14:59*	*10/22/13 23:29*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*10/18/13 14:59*	*10/22/13 23:29*	*1*
p-Terphenyl-d14	*149*		*67 - 150*	*10/18/13 14:59*	*10/22/13 23:29*	*1*
Phenol-d5	*36*		*16 - 120*	*10/18/13 14:59*	*10/22/13 23:29*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**92**		4.0	0.22	ug/L			10/18/13 13:12	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 21:17	1
PCB-1221	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 21:17	1
PCB-1232	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 21:17	1
PCB-1242	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 21:17	1
PCB-1248	ND		0.46	0.16	ug/L		10/19/13 10:26	10/21/13 21:17	1
PCB-1254	ND		0.46	0.23	ug/L		10/19/13 10:26	10/21/13 21:17	1
PCB-1260	ND		0.46	0.23	ug/L		10/19/13 10:26	10/21/13 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*19 - 126*	*10/19/13 10:26*	*10/21/13 21:17*	*1*
Tetrachloro-m-xylene	*58*		*23 - 127*	*10/19/13 10:26*	*10/21/13 21:17*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/18/13 12:20	10/21/13 00:02	1
Antimony	ND		0.020	0.0068	mg/L		10/18/13 12:20	10/21/13 00:02	1
Arsenic	ND		0.010	0.0056	mg/L		10/18/13 12:20	10/21/13 00:02	1
Barium	**0.60**		0.0020	0.00070	mg/L		10/18/13 12:20	10/21/13 00:02	1
Beryllium	ND		0.0020	0.00030	mg/L		10/18/13 12:20	10/21/13 00:02	1
Cadmium	ND		0.0010	0.00050	mg/L		10/18/13 12:20	10/21/13 00:02	1
Calcium	**18.3**		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 00:02	1
Chromium	ND		0.0040	0.0010	mg/L		10/18/13 12:20	10/21/13 00:02	1
Cobalt	ND		0.0040	0.00063	mg/L		10/18/13 12:20	10/21/13 00:02	1
Copper	ND		0.010	0.0016	mg/L		10/18/13 12:20	10/21/13 00:02	1
Iron	**0.074**		0.050	0.019	mg/L		10/18/13 12:20	10/21/13 00:02	1
Lead	ND		0.0050	0.0030	mg/L		10/18/13 12:20	10/21/13 00:02	1
Magnesium	**5.4**		0.20	0.043	mg/L		10/18/13 12:20	10/21/13 00:02	1
Manganese	**0.014**		0.0030	0.00040	mg/L		10/18/13 12:20	10/21/13 17:21	1
Nickel	ND		0.010	0.0013	mg/L		10/18/13 12:20	10/21/13 00:02	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01D
Date Collected: 10/16/13 12:00
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**2.7**		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 17:21	1
Selenium	ND		0.015	0.0087	mg/L		10/18/13 12:20	10/21/13 00:02	1
Silver	ND		0.0030	0.0017	mg/L		10/18/13 12:20	10/21/13 00:02	1
Sodium	**42.9**		1.0	0.32	mg/L		10/18/13 12:20	10/21/13 00:02	1
Thallium	ND		0.020	0.010	mg/L		10/18/13 12:20	10/21/13 00:02	1
Vanadium	ND		0.0050	0.0015	mg/L		10/18/13 12:20	10/21/13 00:02	1
Zinc	**0.0043**	**J B**	0.010	0.0015	mg/L		10/18/13 12:20	10/25/13 12:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/18/13 09:20	10/18/13 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	**179**		50.0	20.0	mg/L			10/18/13 17:31	5
Ammonia	**1.3**		0.020	0.0090	mg/L			10/18/13 16:06	1
Ammonia as NH3	**1.5**		0.024	0.011	mg/L			10/18/13 16:06	1
Nitrate as N	ND		0.050	0.020	mg/L			10/18/13 08:13	1
Nitrite as N	ND		0.050	0.020	mg/L			10/18/13 08:13	1
Chemical Oxygen Demand	**10.5**		10.0	5.0	mg/L			10/18/13 15:04	1
Sulfate	**10.0**	**B**	5.0	1.5	mg/L			10/18/13 15:46	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/19/13 00:32	1
Hardness as calcium carbonate	**76.0**		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	**178**		10.0	4.0	mg/L			10/18/13 22:11	1
Phosphorus	ND		0.010	0.0050	mg/L			10/22/13 14:00	1
Phosphorus as PO4	ND		0.031	0.015	mg/L			10/22/13 14:00	1
Sulfide	ND		0.10	0.052	mg/L			10/18/13 19:22	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/18/13 11:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/13 15:33	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01A
Date Collected: 10/16/13 11:50
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/13 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/13 12:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/13 12:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/13 12:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/13 12:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/13 12:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/13 12:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/13 12:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/13 12:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/13 12:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/13 12:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/13 12:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/13 12:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/13 12:45	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/13 12:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/13 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/13 12:45	1
Acetone	ND	*	10	3.0	ug/L			10/24/13 12:45	1
Benzene	ND		1.0	0.41	ug/L			10/24/13 12:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/13 12:45	1
Bromoform	ND	*	1.0	0.26	ug/L			10/24/13 12:45	1
Bromomethane	ND	*	1.0	0.69	ug/L			10/24/13 12:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/13 12:45	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			10/24/13 12:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/13 12:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/13 12:45	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/13 12:45	1
Chloroform	ND		1.0	0.34	ug/L			10/24/13 12:45	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/13 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/13 12:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/13 12:45	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/13 12:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/13 12:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 12:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/13 12:45	1
Methyl acetate	ND	*	1.0	0.50	ug/L			10/24/13 12:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/13 12:45	1
Methylcyclohexane	ND	*	1.0	0.16	ug/L			10/24/13 12:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/13 12:45	1
Styrene	ND		1.0	0.73	ug/L			10/24/13 12:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/13 12:45	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 12:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/13 12:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/13 12:45	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/13 12:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/13 12:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/13 12:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 12:45	1

Client Sample ID: MW-01A
Date Collected: 10/16/13 11:50
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*10/24/13 12:45*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*		*10/24/13 12:45*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/24/13 12:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND	*	4.6	0.36	ug/L		10/18/13 14:59	10/23/13 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*209*	*X	*52 - 132*	*10/18/13 14:59*	*10/23/13 00:40*	*1*
2-Fluorobiphenyl	*222*	*X	*48 - 120*	*10/18/13 14:59*	*10/23/13 00:40*	*1*
2-Fluorophenol	*118*	*	*20 - 120*	*10/18/13 14:59*	*10/23/13 00:40*	*1*
Nitrobenzene-d5	*177*	*X	*46 - 120*	*10/18/13 14:59*	*10/23/13 00:40*	*1*
p-Terphenyl-d14	*235*	*X	*67 - 150*	*10/18/13 14:59*	*10/23/13 00:40*	*1*
Phenol-d5	*70*	*	*16 - 120*	*10/18/13 14:59*	*10/23/13 00:40*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**64**		4.0	0.22	ug/L			10/18/13 13:29	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:32	1
PCB-1221	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:32	1
PCB-1232	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:32	1
PCB-1242	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:32	1
PCB-1248	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:32	1
PCB-1254	ND		0.45	0.23	ug/L		10/19/13 10:26	10/21/13 21:32	1
PCB-1260	ND		0.45	0.23	ug/L		10/19/13 10:26	10/21/13 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*19 - 126*	*10/19/13 10:26*	*10/21/13 21:32*	*1*
Tetrachloro-m-xylene	*76*		*23 - 127*	*10/19/13 10:26*	*10/21/13 21:32*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.31**	**B**	0.20	0.060	mg/L		10/18/13 12:20	10/21/13 00:05	1
Antimony	ND		0.020	0.0068	mg/L		10/18/13 12:20	10/21/13 00:05	1
Arsenic	**0.010**		0.010	0.0056	mg/L		10/18/13 12:20	10/21/13 00:05	1
Barium	**0.011**		0.0020	0.00070	mg/L		10/18/13 12:20	10/21/13 00:05	1
Beryllium	ND		0.0020	0.00030	mg/L		10/18/13 12:20	10/21/13 00:05	1
Cadmium	ND		0.0010	0.00050	mg/L		10/18/13 12:20	10/21/13 00:05	1
Calcium	**12.0**		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 00:05	1
Chromium	ND		0.0040	0.0010	mg/L		10/18/13 12:20	10/21/13 00:05	1
Cobalt	ND		0.0040	0.00063	mg/L		10/18/13 12:20	10/21/13 00:05	1
Copper	ND		0.010	0.0016	mg/L		10/18/13 12:20	10/21/13 00:05	1
Iron	**0.25**		0.050	0.019	mg/L		10/18/13 12:20	10/21/13 00:05	1
Lead	ND		0.0050	0.0030	mg/L		10/18/13 12:20	10/21/13 00:05	1
Magnesium	**1.5**		0.20	0.043	mg/L		10/18/13 12:20	10/21/13 00:05	1
Manganese	**0.022**		0.0030	0.00040	mg/L		10/18/13 12:20	10/21/13 17:24	1
Nickel	ND		0.010	0.0013	mg/L		10/18/13 12:20	10/21/13 00:05	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01A
Date Collected: 10/16/13 11:50
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.2		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 17:24	1
Selenium	ND		0.015	0.0087	mg/L		10/18/13 12:20	10/21/13 00:05	1
Silver	ND		0.0030	0.0017	mg/L		10/18/13 12:20	10/21/13 00:05	1
Sodium	22.5		1.0	0.32	mg/L		10/18/13 12:20	10/21/13 00:05	1
Thallium	ND		0.020	0.010	mg/L		10/18/13 12:20	10/21/13 00:05	1
Vanadium	0.0018	J	0.0050	0.0015	mg/L		10/18/13 12:20	10/21/13 00:05	1
Zinc	0.0042	J B	0.010	0.0015	mg/L		10/18/13 12:20	10/24/13 19:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/18/13 09:20	10/18/13 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	69.6		10.0	4.0	mg/L			10/18/13 16:08	1
Ammonia	0.11		0.020	0.0090	mg/L			10/18/13 16:07	1
Ammonia as NH3	0.13		0.024	0.011	mg/L			10/18/13 16:07	1
Nitrate as N	0.022	J	0.050	0.020	mg/L			10/18/13 08:15	1
Nitrite as N	ND		0.050	0.020	mg/L			10/18/13 08:15	1
Chemical Oxygen Demand	7.1	J	10.0	5.0	mg/L			10/18/13 15:15	1
Sulfate	14.2	B	5.0	1.5	mg/L			10/18/13 15:46	1
Total Organic Carbon	0.44	J	1.0	0.43	mg/L			10/19/13 01:27	1
Hardness as calcium carbonate	44.0		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	101		10.0	4.0	mg/L			10/18/13 22:23	1
Phosphorus	0.17		0.010	0.0050	mg/L			10/22/13 14:00	1
Phosphorus as PO4	0.51		0.031	0.015	mg/L			10/22/13 14:00	1
Sulfide	ND		0.10	0.052	mg/L			10/18/13 19:22	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/18/13 11:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	41.6		4.0	4.0	mg/L			10/21/13 15:34	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-02A
Date Collected: 10/16/13 15:00
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/13 13:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/13 13:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/13 13:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/13 13:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/13 13:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/13 13:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/13 13:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/13 13:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/13 13:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/13 13:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/13 13:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/13 13:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/13 13:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/13 13:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/13 13:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/13 13:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/13 13:08	1
Acetone	**3.2**	**J ***	10	3.0	ug/L			10/24/13 13:08	1
Benzene	ND		1.0	0.41	ug/L			10/24/13 13:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/13 13:08	1
Bromoform	ND	*	1.0	0.26	ug/L			10/24/13 13:08	1
Bromomethane	ND	*	1.0	0.69	ug/L			10/24/13 13:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/13 13:08	1
Carbon tetrachloride	ND	*	1.0	0.27	ug/L			10/24/13 13:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/13 13:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/13 13:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/13 13:08	1
Chloroform	ND		1.0	0.34	ug/L			10/24/13 13:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/13 13:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/13 13:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/13 13:08	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/13 13:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/13 13:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 13:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/13 13:08	1
Methyl acetate	ND	*	1.0	0.50	ug/L			10/24/13 13:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/13 13:08	1
Methylcyclohexane	ND	*	1.0	0.16	ug/L			10/24/13 13:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/13 13:08	1
Styrene	ND		1.0	0.73	ug/L			10/24/13 13:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/13 13:08	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 13:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/13 13:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/13 13:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/13 13:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/13 13:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/13 13:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 13:08	1

Client Sample ID: MW-02A
Date Collected: 10/16/13 15:00
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*10/24/13 13:08*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*10/24/13 13:08*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/24/13 13:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.7	0.36	ug/L		10/18/13 14:59	10/24/13 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*63*		*52 - 132*	*10/18/13 14:59*	*10/24/13 02:50*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*10/18/13 14:59*	*10/24/13 02:50*	*1*
2-Fluorophenol	*47*		*20 - 120*	*10/18/13 14:59*	*10/24/13 02:50*	*1*
Nitrobenzene-d5	*76*		*46 - 120*	*10/18/13 14:59*	*10/24/13 02:50*	*1*
p-Terphenyl-d14	*85*		*67 - 150*	*10/18/13 14:59*	*10/24/13 02:50*	*1*
Phenol-d5	*31*		*16 - 120*	*10/18/13 14:59*	*10/24/13 02:50*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**8.3**		4.0	0.22	ug/L			10/18/13 13:55	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:47	1
PCB-1221	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:47	1
PCB-1232	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:47	1
PCB-1242	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:47	1
PCB-1248	ND		0.45	0.16	ug/L		10/19/13 10:26	10/21/13 21:47	1
PCB-1254	ND		0.45	0.23	ug/L		10/19/13 10:26	10/21/13 21:47	1
PCB-1260	ND		0.45	0.23	ug/L		10/19/13 10:26	10/21/13 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*19 - 126*	*10/19/13 10:26*	*10/21/13 21:47*	*1*
Tetrachloro-m-xylene	*77*		*23 - 127*	*10/19/13 10:26*	*10/21/13 21:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/18/13 12:20	10/21/13 00:07	1
Antimony	ND		0.020	0.0068	mg/L		10/18/13 12:20	10/21/13 00:07	1
Arsenic	ND		0.010	0.0056	mg/L		10/18/13 12:20	10/21/13 00:07	1
Barium	**0.075**		0.0020	0.00070	mg/L		10/18/13 12:20	10/21/13 00:07	1
Beryllium	ND		0.0020	0.00030	mg/L		10/18/13 12:20	10/21/13 00:07	1
Cadmium	ND		0.0010	0.00050	mg/L		10/18/13 12:20	10/21/13 00:07	1
Calcium	**40.6**		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 00:07	1
Chromium	**0.0074**		0.0040	0.0010	mg/L		10/18/13 12:20	10/21/13 00:07	1
Cobalt	ND		0.0040	0.00063	mg/L		10/18/13 12:20	10/21/13 00:07	1
Copper	ND		0.010	0.0016	mg/L		10/18/13 12:20	10/21/13 00:07	1
Iron	**9.8**		0.050	0.019	mg/L		10/18/13 12:20	10/21/13 00:07	1
Lead	ND		0.0050	0.0030	mg/L		10/18/13 12:20	10/21/13 00:07	1
Magnesium	**16.1**		0.20	0.043	mg/L		10/18/13 12:20	10/21/13 00:07	1
Manganese	**0.33**		0.0030	0.00040	mg/L		10/18/13 12:20	10/21/13 17:26	1
Nickel	**0.0048**	**J**	0.010	0.0013	mg/L		10/18/13 12:20	10/21/13 00:07	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-02A
Date Collected: 10/16/13 15:00
Date Received: 10/18/13 01:00

Lab Sample ID: 480-48203-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.8		0.50	0.10	mg/L		10/18/13 12:20	10/21/13 17:26	1
Selenium	ND		0.015	0.0087	mg/L		10/18/13 12:20	10/21/13 00:07	1
Silver	ND		0.0030	0.0017	mg/L		10/18/13 12:20	10/21/13 00:07	1
Sodium	43.8		1.0	0.32	mg/L		10/18/13 12:20	10/21/13 00:07	1
Thallium	ND		0.020	0.010	mg/L		10/18/13 12:20	10/21/13 00:07	1
Vanadium	ND		0.0050	0.0015	mg/L		10/18/13 12:20	10/21/13 00:07	1
Zinc	0.0034	J B	0.010	0.0015	mg/L		10/18/13 12:20	10/24/13 19:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/18/13 09:20	10/18/13 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	74.7		10.0	4.0	mg/L			10/18/13 18:32	1
Ammonia	0.091		0.020	0.0090	mg/L			10/18/13 16:08	1
Ammonia as NH3	0.11		0.024	0.011	mg/L			10/18/13 16:08	1
Nitrate as N	0.040	J	0.050	0.020	mg/L			10/18/13 08:16	1
Nitrite as N	ND		0.050	0.020	mg/L			10/18/13 08:16	1
Chemical Oxygen Demand	10.2		10.0	5.0	mg/L			10/18/13 15:17	1
Sulfate	39.1	B	25.0	7.5	mg/L			10/18/13 16:34	5
Total Organic Carbon	1.6		1.0	0.43	mg/L			10/19/13 04:39	1
Hardness as calcium carbonate	244		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	361		10.0	4.0	mg/L			10/18/13 22:36	1
Phosphorus	ND		0.010	0.0050	mg/L			10/22/13 14:00	1
Phosphorus as PO4	ND		0.031	0.015	mg/L			10/22/13 14:00	1
Sulfide	ND		0.10	0.052	mg/L			10/18/13 19:22	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/18/13 11:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	12.4		4.0	4.0	mg/L			10/21/13 15:36	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01

Lab Sample ID: 480-48203-1

Date Collected: 10/16/13 15:05

Matrix: Water

Date Received: 10/18/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147193	10/24/13 11:58	RAL	TAL BUF
Total/NA	Prep	3510C			146016	10/18/13 14:59	JRL	TAL BUF
Total/NA	Analysis	8270D		1	146613	10/22/13 23:02	AR1	TAL BUF
Total/NA	Analysis	RSK-175		1	145824	10/18/13 12:29	MAN	TAL BUF
Total/NA	Prep	3510C			146121	10/19/13 10:26	KEB	TAL BUF
Total/NA	Analysis	8082A		1	146214	10/21/13 20:33	JMM	TAL BUF
Total/NA	Prep	7470A			145879	10/18/13 09:20	JRK	TAL BUF
Total/NA	Analysis	7470A		1	145985	10/18/13 12:43	SS1	TAL BUF
Total/NA	Analysis	6010C		1	146579	10/21/13 17:12	LMH	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	146912	10/21/13 00:00	LMH	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147527	10/24/13 19:03	LMH	TAL BUF
Total/NA	Analysis	353.2		1	145891	10/18/13 09:00	RMB	TAL BUF
Total/NA	Analysis	353.2		1	145931	10/18/13 09:00	RMB	TAL BUF
Total/NA	Analysis	410.4		1	145995	10/18/13 15:02	KJ1	TAL BUF
Total/NA	Analysis	SM 5210B		1	146035	10/18/13 11:42	MDL	TAL BUF
Total/NA	Analysis	350.1		1	146038	10/18/13 16:05	KMF	TAL BUF
Total/NA	Analysis	SM 2540C		1	146043	10/18/13 21:59	JMB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146057	10/18/13 19:22	NCH	TAL BUF
Total/NA	Analysis	310.2		2	146062	10/18/13 17:32	NCH	TAL BUF
Total/NA	Analysis	9038		1	146064	10/18/13 16:27	NCH	TAL BUF
Total/NA	Analysis	SM 2540D		1	146153	10/21/13 15:31	KS	TAL BUF
Total/NA	Analysis	9060A		1	146234	10/19/13 00:05	KRC	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146718	10/22/13 14:00	KMF	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: MW-01D

Lab Sample ID: 480-48203-2

Date Collected: 10/16/13 12:00

Matrix: Water

Date Received: 10/18/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147193	10/24/13 12:21	RAL	TAL BUF
Total/NA	Prep	3510C			146016	10/18/13 14:59	JRL	TAL BUF
Total/NA	Analysis	8270D		1	146613	10/22/13 23:29	AR1	TAL BUF
Total/NA	Analysis	RSK-175		1	145824	10/18/13 13:12	MAN	TAL BUF
Total/NA	Prep	3510C			146121	10/19/13 10:26	KEB	TAL BUF
Total/NA	Analysis	8082A		1	146214	10/21/13 21:17	JMM	TAL BUF
Total/NA	Prep	7470A			145879	10/18/13 09:20	JRK	TAL BUF
Total/NA	Analysis	7470A		1	145985	10/18/13 12:53	SS1	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF

Client Sample ID: MW-01D

Lab Sample ID: 480-48203-2

Date Collected: 10/16/13 12:00

Matrix: Water

Date Received: 10/18/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	146579	10/21/13 17:21	LMH	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	146912	10/21/13 00:02	LMH	TAL BUF
Total/NA	Analysis	6010C		1	147752	10/25/13 12:28	LMH	TAL BUF
Total/NA	Analysis	353.2		1	145931	10/18/13 08:13	RMB	TAL BUF
Total/NA	Analysis	353.2		1	145933	10/18/13 08:13	RMB	TAL BUF
Total/NA	Analysis	410.4		1	145995	10/18/13 15:04	KJ1	TAL BUF
Total/NA	Analysis	SM 5210B		1	146035	10/18/13 11:42	MDL	TAL BUF
Total/NA	Analysis	350.1		1	146038	10/18/13 16:06	KMF	TAL BUF
Total/NA	Analysis	SM 2540C		1	146043	10/18/13 22:11	JMB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146057	10/18/13 19:22	NCH	TAL BUF
Total/NA	Analysis	310.2		5	146062	10/18/13 17:31	NCH	TAL BUF
Total/NA	Analysis	9038		1	146064	10/18/13 15:46	NCH	TAL BUF
Total/NA	Analysis	SM 2540D		1	146153	10/21/13 15:33	KS	TAL BUF
Total/NA	Analysis	9060A		1	146234	10/19/13 00:32	KRC	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146718	10/22/13 14:00	KMF	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: MW-01A

Lab Sample ID: 480-48203-3

Date Collected: 10/16/13 11:50

Matrix: Water

Date Received: 10/18/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147193	10/24/13 12:45	RAL	TAL BUF
Total/NA	Prep	3510C			146016	10/18/13 14:59	JRL	TAL BUF
Total/NA	Analysis	8270D		1	146613	10/23/13 00:40	AR1	TAL BUF
Total/NA	Analysis	RSK-175		1	145824	10/18/13 13:29	MAN	TAL BUF
Total/NA	Prep	3510C			146121	10/19/13 10:26	KEB	TAL BUF
Total/NA	Analysis	8082A		1	146214	10/21/13 21:32	JMM	TAL BUF
Total/NA	Prep	7470A			145879	10/18/13 09:20	JRK	TAL BUF
Total/NA	Analysis	7470A		1	145985	10/18/13 12:55	SS1	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	146579	10/21/13 17:24	LMH	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	146912	10/21/13 00:05	LMH	TAL BUF
Total/NA	Analysis	6010C		1	147527	10/24/13 19:08	LMH	TAL BUF
Total/NA	Analysis	353.2		1	145931	10/18/13 08:15	RMB	TAL BUF
Total/NA	Analysis	353.2		1	145933	10/18/13 08:15	RMB	TAL BUF
Total/NA	Analysis	410.4		1	145995	10/18/13 15:15	KJ1	TAL BUF
Total/NA	Analysis	SM 5210B		1	146035	10/18/13 11:42	MDL	TAL BUF
Total/NA	Analysis	350.1		1	146038	10/18/13 16:07	KMF	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Client Sample ID: MW-01A

Lab Sample ID: 480-48203-3

Date Collected: 10/16/13 11:50
Matrix: Water
Date Received: 10/18/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	146043	10/18/13 22:23	JMB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146057	10/18/13 19:22	NCH	TAL BUF
Total/NA	Analysis	310.2		1	146062	10/18/13 16:08	NCH	TAL BUF
Total/NA	Analysis	9038		1	146064	10/18/13 15:46	NCH	TAL BUF
Total/NA	Analysis	SM 2540D		1	146153	10/21/13 15:34	KS	TAL BUF
Total/NA	Analysis	9060A		1	146234	10/19/13 01:27	KRC	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146718	10/22/13 14:00	KMF	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: MW-02A

Lab Sample ID: 480-48203-4

Date Collected: 10/16/13 15:00
Matrix: Water
Date Received: 10/18/13 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147193	10/24/13 13:08	RAL	TAL BUF
Total/NA	Prep	3510C			146016	10/18/13 14:59	JRL	TAL BUF
Total/NA	Analysis	8270D		1	147078	10/24/13 02:50	RMM	TAL BUF
Total/NA	Analysis	RSK-175		1	145824	10/18/13 13:55	MAN	TAL BUF
Total/NA	Prep	3510C			146121	10/19/13 10:26	KEB	TAL BUF
Total/NA	Analysis	8082A		1	146214	10/21/13 21:47	JMM	TAL BUF
Total/NA	Prep	7470A			145879	10/18/13 09:20	JRK	TAL BUF
Total/NA	Analysis	7470A		1	145985	10/18/13 12:56	SS1	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	146579	10/21/13 17:26	LMH	TAL BUF
Total/NA	Prep	3005A			145828	10/18/13 12:20	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	146912	10/21/13 00:07	LMH	TAL BUF
Total/NA	Analysis	6010C		1	147527	10/24/13 19:10	LMH	TAL BUF
Total/NA	Analysis	353.2		1	145931	10/18/13 08:16	RMB	TAL BUF
Total/NA	Analysis	353.2		1	145933	10/18/13 08:16	RMB	TAL BUF
Total/NA	Analysis	410.4		1	145995	10/18/13 15:17	KJ1	TAL BUF
Total/NA	Analysis	SM 5210B		1	146035	10/18/13 11:42	MDL	TAL BUF
Total/NA	Analysis	350.1		1	146038	10/18/13 16:08	KMF	TAL BUF
Total/NA	Analysis	SM 2540C		1	146043	10/18/13 22:36	JMB	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146057	10/18/13 19:22	NCH	TAL BUF
Total/NA	Analysis	310.2		1	146062	10/18/13 18:32	NCH	TAL BUF
Total/NA	Analysis	9038		5	146064	10/18/13 16:34	NCH	TAL BUF
Total/NA	Analysis	SM 2540D		1	146153	10/21/13 15:36	KS	TAL BUF
Total/NA	Analysis	9060A		1	146234	10/19/13 04:39	KRC	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146718	10/22/13 14:00	KMF	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Laboratory References:

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

Certification Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

Method Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
410.4	COD	MCAWW	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
SM 2340C	Hardness, Total	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48203-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-48203-1	MW-01	Water	10/16/13 15:05	10/18/13 01:00
480-48203-2	MW-01D	Water	10/16/13 12:00	10/18/13 01:00
480-48203-3	MW-01A	Water	10/16/13 11:50	10/18/13 01:00
480-48203-4	MW-02A	Water	10/16/13 15:00	10/18/13 01:00

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact	Sampler: Karen Carling	Site Contact: Karen Carling	Date:	COC No: 001
Karen Carling	Tel/Fax: (518)885-5383	Lab Contact: Sally Hoffman	Carrier:	1 of 1 COCs
Aztech Technologies, Inc	Analysis Turnaround Time			Job No.
5 McCrea Hill Road	Calendar (C) or Work Days (W) _____			
Ballston Spa, NY 12020	Standard			SDG No.
Project Name: Fort Edward Landfill #558001				
NYSDEC Call Out # 120794				
Project Number: 48004992				

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	350.1, 410.4, 4500_P_E	6010B, 7470A	2340C - Hardness as calcium carbonate	8260B - TCL list OLM04.2	9060- Total Organic Carbon	RSK_175 - Methane	8082 - TCL PCBs - OLM04.2	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	2540D - Total Suspended Solids	SM4500_S2_D - Sulfide	353.2, 353.2_Nitrite, 9038, Nitrate_Calc	310.2 - Alkalinity, Total	8270C - (MOD) TCL SVOA - OLM04.2	Sample Specific Notes:
MW-01	10/16/13	1505	G	GW	2 C		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-01D	10/16/13	1200	G	GW	2 2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-01A	10/16/13	1150	G	GW	2 2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-02A	10/16/13	1500	G	GW	2 2		X	X	X	X	X	X	X	X	X	X	X	X	X	X	

10/17/13

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

X Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month

X Return To Client Disposal By Lab Archive For _____ Mo

Special Instructions/QC Requirements & Comments:

2.7, 2.4 #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Aztech	10/16/2013 1700		TA	10/17/13 08:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	10/17/13		TA	10.18.13 0100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-48203-1

Login Number: 48203

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-48304-1
Client Project/Site: Fort Edward Site #558001

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

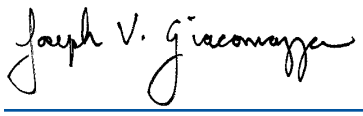
Joseph V. Giacomazza

Authorized for release by:
11/14/2013 5:02:12 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(610)337-0992
judy.stone@testamericainc.com

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.



Joe Giacomazza
Project Management Assistant II
11/14/2013 5:02:12 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
b	Result Detected in the Unseeded Control blank (USB).

Glossary

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

Job ID: 480-48304-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-48304-1

Comments
No additional comments.

Receipt
The samples were received on 10/19/2013 12:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 2.0º C, 2.1º C, 2.4º C, 2.6º C, 2.7º C, 2.8º C and 3.0º C.

GC/MS VOA
Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 147384 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The laboratory control sample recovery was above TestAmerica's statistically developed internal laboratory QC limits, for 1,2,4 trichlorobenzene. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 148231 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) for analytical batch 147040 recovered outside control limits for Hexachlorcyclopentadiene. This analyte was recoverd within acceptable limits in the low level calibration verification, therefore the data have been qualified and reported.

Method(s) 8270D: The continuing calibration verification (CCV) for multiple analytes associated with batch 147040 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC VOA
Method(s) RSK-175: The following sample were diluted to bring the concentration of target analytes within the calibration range: MW-06 (480-48304-3), MW-06A (480-48304-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Tetrachloro-m-xylene was decreased and slightly exceeded 15% on the ZB-5 column, indicating a low bias. (CCV 480-146500/19), (CCV 480-146500/31)

No other analytical or quality issues were noted.

Metals
Method(s) 6010C: The Method Blank for batch 480-146114 contained total calcium and aluminum above the method detection limitss. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples MW-02A (480-48304-1), MW-06 (480-48304-3), MW-06A (480-48304-4), MW-06B (480-48304-5), MW-08 (480-48304-2) was not performed.

Job ID: 480-48304-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No other analytical or quality issues were noted.

General Chemistry

Method(s) 310.2: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-02A (480-48304-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) 350.1: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-02A (480-48304-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 146108 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-48304-5 MS)

Method(s) 410.4: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-02A (480-48304-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 5210B: For batch 146157, the USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results are reported. (USB 480-146157/1)

Method(s) 9038, D516-90, 02: The method blank for batch 146467 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.MW-06 (480-48304-3), MW-06A (480-48304-4), MW-06B (480-48304-5), MW-08 (480-48304-2)

Method(s) 9038: The results reported for the following sample(s) do not concur with results previously reported for this site: MW-02A (480-48304-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) 9038: The method blank for batch 146491 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.MW-02A (480-48304-1)

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-02A
Date Collected: 10/17/13 10:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 04:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 04:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 04:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 04:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 04:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 04:18	1
1,2,4-Trichlorobenzene	ND	*	1.0	0.41	ug/L			10/25/13 04:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 04:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 04:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 04:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 04:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 04:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 04:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/13 04:18	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 04:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 04:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 04:18	1
Acetone	ND		10	3.0	ug/L			10/25/13 04:18	1
Benzene	ND		1.0	0.41	ug/L			10/25/13 04:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 04:18	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 04:18	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 04:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 04:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 04:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/13 04:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 04:18	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/13 04:18	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 04:18	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 04:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 04:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 04:18	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 04:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 04:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 04:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 04:18	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 04:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/13 04:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 04:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 04:18	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 04:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 04:18	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 04:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 04:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 04:18	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 04:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 04:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 04:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 04:18	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-02A
Date Collected: 10/17/13 10:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*10/25/13 04:18*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*10/25/13 04:18*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/25/13 04:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/21/13 14:42	10/24/13 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*52 - 132*	*10/21/13 14:42*	*10/24/13 02:34*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/21/13 14:42*	*10/24/13 02:34*	*1*
2-Fluorophenol	*54*		*20 - 120*	*10/21/13 14:42*	*10/24/13 02:34*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*10/21/13 14:42*	*10/24/13 02:34*	*1*
p-Terphenyl-d14	*80*		*67 - 150*	*10/21/13 14:42*	*10/24/13 02:34*	*1*
Phenol-d5	*38*		*16 - 120*	*10/21/13 14:42*	*10/24/13 02:34*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**130**		4.0	0.22	ug/L			10/23/13 09:12	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:19	1
PCB-1221	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:19	1
PCB-1232	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:19	1
PCB-1242	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:19	1
PCB-1248	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:19	1
PCB-1254	ND		0.46	0.23	ug/L		10/21/13 14:54	10/22/13 16:19	1
PCB-1260	ND		0.46	0.23	ug/L		10/21/13 14:54	10/22/13 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*19 - 126*	*10/21/13 14:54*	*10/22/13 16:19*	*1*
Tetrachloro-m-xylene	*70*		*23 - 127*	*10/21/13 14:54*	*10/22/13 16:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.19**	**J B**	0.20	0.060	mg/L		10/21/13 08:25	10/28/13 19:22	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 21:49	1
Arsenic	ND		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 21:49	1
Barium	**0.023**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 21:49	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 21:49	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 21:49	1
Calcium	**81.0**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:49	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 21:49	1
Cobalt	**0.00096**	**J**	0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 21:49	1
Copper	**0.0040**	**J**	0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 21:49	1
Iron	**2.2**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 21:49	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 21:49	1
Magnesium	**13.3**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 21:49	1
Manganese	**0.80**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 21:49	1
Nickel	ND		0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 21:49	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-02A
Date Collected: 10/17/13 10:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**2.5**		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:49	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 21:49	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 21:49	1
Sodium	**50.5**		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 21:49	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 21:49	1
Vanadium	ND		0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 21:49	1
Zinc	**0.0031**	**J**	0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 21:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	**272**		60.0	24.0	mg/L			10/22/13 03:17	6
Ammonia	**0.28**		0.020	0.0090	mg/L			10/22/13 16:58	1
Ammonia as NH3	**0.34**		0.024	0.011	mg/L			10/22/13 16:58	1
Nitrate as N	ND		0.050	0.020	mg/L			10/19/13 09:07	1
Nitrite as N	ND		0.050	0.020	mg/L			10/19/13 09:07	1
Chemical Oxygen Demand	**15.9**		10.0	5.0	mg/L			10/23/13 12:59	1
Sulfate	**2.4**	**J B**	5.0	1.5	mg/L			10/22/13 02:41	1
Total Organic Carbon	**4.3**		1.0	0.43	mg/L			10/22/13 20:18	1
Hardness as calcium carbonate	**284**		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	**389**		10.0	4.0	mg/L			10/22/13 01:36	1
Phosphorus	**0.0096**	**J**	0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	**0.029**	**J**	0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/13 19:09	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-08
Date Collected: 10/17/13 12:30
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 04:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 04:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 04:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 04:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 04:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 04:40	1
1,2,4-Trichlorobenzene	ND	*	1.0	0.41	ug/L			10/25/13 04:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 04:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 04:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 04:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 04:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 04:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 04:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/13 04:40	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 04:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 04:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 04:40	1
Acetone	**4.4**	**J**	10	3.0	ug/L			10/25/13 04:40	1
Benzene	ND		1.0	0.41	ug/L			10/25/13 04:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 04:40	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 04:40	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 04:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 04:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 04:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/13 04:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 04:40	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/13 04:40	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 04:40	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 04:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 04:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 04:40	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 04:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 04:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 04:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 04:40	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 04:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/13 04:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 04:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 04:40	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 04:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 04:40	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 04:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 04:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 04:40	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 04:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 04:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 04:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 04:40	1

Client Sample ID: MW-08
Date Collected: 10/17/13 12:30
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*10/25/13 04:40*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*10/25/13 04:40*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/25/13 04:40*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/21/13 14:42	10/24/13 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*109*		*52 - 132*	*10/21/13 14:42*	*10/24/13 03:02*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*10/21/13 14:42*	*10/24/13 03:02*	*1*
2-Fluorophenol	*62*		*20 - 120*	*10/21/13 14:42*	*10/24/13 03:02*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*10/21/13 14:42*	*10/24/13 03:02*	*1*
p-Terphenyl-d14	*91*		*67 - 150*	*10/21/13 14:42*	*10/24/13 03:02*	*1*
Phenol-d5	*41*		*16 - 120*	*10/21/13 14:42*	*10/24/13 03:02*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	0.22	ug/L			10/23/13 09:43	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:35	1
PCB-1221	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:35	1
PCB-1232	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:35	1
PCB-1242	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:35	1
PCB-1248	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:35	1
PCB-1254	ND		0.46	0.23	ug/L		10/21/13 14:54	10/22/13 16:35	1
PCB-1260	ND		0.46	0.23	ug/L		10/21/13 14:54	10/22/13 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 126*	*10/21/13 14:54*	*10/22/13 16:35*	*1*
Tetrachloro-m-xylene	*71*		*23 - 127*	*10/21/13 14:54*	*10/22/13 16:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**1.9**	**B**	0.20	0.060	mg/L		10/21/13 08:25	10/28/13 19:25	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 21:51	1
Arsenic	ND		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 21:51	1
Barium	**0.028**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 21:51	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 21:51	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 21:51	1
Calcium	**51.3**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:51	1
Chromium	**0.0044**		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 21:51	1
Cobalt	**0.00094**	**J**	0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 21:51	1
Copper	**0.0035**	**J**	0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 21:51	1
Iron	**1.5**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 21:51	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 21:51	1
Magnesium	**11.7**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 21:51	1
Manganese	**0.040**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 21:51	1
Nickel	**0.0029**	**J**	0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 21:51	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-08
Date Collected: 10/17/13 12:30
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.2		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:51	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 21:51	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 21:51	1
Sodium	13.2		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 21:51	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 21:51	1
Vanadium	0.0032	J	0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 21:51	1
Zinc	0.015		0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 21:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	168		20.0	8.0	mg/L			10/21/13 17:28	2
Ammonia	0.012	J	0.020	0.0090	mg/L			10/22/13 16:59	1
Ammonia as NH3	0.015	J	0.024	0.011	mg/L			10/22/13 16:59	1
Nitrate as N	ND		0.050	0.020	mg/L			10/19/13 09:09	1
Nitrite as N	ND		0.050	0.020	mg/L			10/19/13 09:09	1
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			10/22/13 14:29	1
Sulfate	23.7	B	5.0	1.5	mg/L			10/21/13 16:28	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/22/13 20:48	1
Hardness as calcium carbonate	172		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	223		10.0	4.0	mg/L			10/22/13 01:35	1
Phosphorus	0.21		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	0.66		0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	17.2		4.0	4.0	mg/L			10/21/13 19:11	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06
Date Collected: 10/17/13 13:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 05:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 05:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 05:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 05:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 05:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 05:02	1
1,2,4-Trichlorobenzene	ND	*	1.0	0.41	ug/L			10/25/13 05:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 05:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 05:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 05:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 05:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 05:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 05:02	1
1,4-Dichlorobenzene	**1.8**		1.0	0.84	ug/L			10/25/13 05:02	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 05:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 05:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 05:02	1
Acetone	ND		10	3.0	ug/L			10/25/13 05:02	1
Benzene	**2.1**		1.0	0.41	ug/L			10/25/13 05:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 05:02	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 05:02	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 05:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 05:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 05:02	1
Chlorobenzene	**18**		1.0	0.75	ug/L			10/25/13 05:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 05:02	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/13 05:02	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 05:02	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 05:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 05:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 05:02	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 05:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 05:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 05:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 05:02	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 05:02	1
Methyl tert-butyl ether	**0.24**	**J**	1.0	0.16	ug/L			10/25/13 05:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 05:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 05:02	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 05:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 05:02	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 05:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 05:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 05:02	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 05:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 05:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 05:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 05:02	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06
Date Collected: 10/17/13 13:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		10/25/13 05:02	1
Toluene-d8 (Surr)	102		71 - 126		10/25/13 05:02	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/25/13 05:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.7	0.37	ug/L		10/21/13 14:42	10/24/13 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	106		52 - 132	10/21/13 14:42	10/24/13 03:30	1
2-Fluorobiphenyl	87		48 - 120	10/21/13 14:42	10/24/13 03:30	1
2-Fluorophenol	58		20 - 120	10/21/13 14:42	10/24/13 03:30	1
Nitrobenzene-d5	84		46 - 120	10/21/13 14:42	10/24/13 03:30	1
p-Terphenyl-d14	82		67 - 150	10/21/13 14:42	10/24/13 03:30	1
Phenol-d5	40		16 - 120	10/21/13 14:42	10/24/13 03:30	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**5600**		200	11	ug/L			10/23/13 10:12	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:51	1
PCB-1221	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:51	1
PCB-1232	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:51	1
PCB-1242	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:51	1
PCB-1248	ND		0.46	0.16	ug/L		10/21/13 14:54	10/22/13 16:51	1
PCB-1254	ND		0.46	0.23	ug/L		10/21/13 14:54	10/22/13 16:51	1
PCB-1260	ND		0.46	0.23	ug/L		10/21/13 14:54	10/22/13 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	47		19 - 126	10/21/13 14:54	10/22/13 16:51	1
Tetrachloro-m-xylene	63		23 - 127	10/21/13 14:54	10/22/13 16:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.28**	**B**	0.20	0.060	mg/L		10/21/13 08:25	10/28/13 19:34	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 21:53	1
Arsenic	**0.015**		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 21:53	1
Barium	**0.033**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 21:53	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 21:53	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 21:53	1
Calcium	**71.2**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:53	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 21:53	1
Cobalt	**0.021**		0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 21:53	1
Copper	**0.0022**	**J**	0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 21:53	1
Iron	**102**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 21:53	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 21:53	1
Magnesium	**13.4**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 21:53	1
Manganese	**1.8**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 21:53	1
Nickel	**0.0039**	**J**	0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 21:53	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06
Date Collected: 10/17/13 13:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	5.7		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:53	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 21:53	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 21:53	1
Sodium	7.9		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 21:53	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 21:53	1
Vanadium	0.0023	J	0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 21:53	1
Zinc	0.0074	J	0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 21:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	227		100	40.0	mg/L			10/21/13 19:18	10
Ammonia	3.7		0.040	0.018	mg/L			10/22/13 17:33	2
Ammonia as NH3	4.5		0.048	0.022	mg/L			10/22/13 17:33	2
Nitrate as N	ND		0.050	0.020	mg/L			10/19/13 09:27	1
Nitrite as N	0.062		0.050	0.020	mg/L			10/19/13 09:27	1
Chemical Oxygen Demand	36.7		10.0	5.0	mg/L			10/22/13 14:31	1
Sulfate	4.6	J B	5.0	1.5	mg/L			10/21/13 19:14	1
Total Organic Carbon	8.5		1.0	0.43	mg/L			10/22/13 21:18	1
Hardness as calcium carbonate	216		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	361		10.0	4.0	mg/L			10/22/13 01:39	1
Phosphorus	0.62		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	1.9		0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	16.0	b	2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	97.2		4.0	4.0	mg/L			10/21/13 19:14	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06A
Date Collected: 10/17/13 12:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/29/13 14:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/29/13 14:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/29/13 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/29/13 14:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/29/13 14:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/29/13 14:21	1
1,2,4-Trichlorobenzene	**18**		1.0	0.41	ug/L			10/29/13 14:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/29/13 14:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/29/13 14:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/29/13 14:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/29/13 14:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/29/13 14:21	1
1,3-Dichlorobenzene	**10**		1.0	0.78	ug/L			10/29/13 14:21	1
1,4-Dichlorobenzene	**4.1**		1.0	0.84	ug/L			10/29/13 14:21	1
2-Hexanone	ND		5.0	1.2	ug/L			10/29/13 14:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/29/13 14:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/29/13 14:21	1
Acetone	ND		10	3.0	ug/L			10/29/13 14:21	1
Benzene	**0.56**	**J**	1.0	0.41	ug/L			10/29/13 14:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/29/13 14:21	1
Bromoform	ND		1.0	0.26	ug/L			10/29/13 14:21	1
Bromomethane	ND		1.0	0.69	ug/L			10/29/13 14:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/29/13 14:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/29/13 14:21	1
Chlorobenzene	**4.6**		1.0	0.75	ug/L			10/29/13 14:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/29/13 14:21	1
Chloroethane	**1.6**		1.0	0.32	ug/L			10/29/13 14:21	1
Chloroform	ND		1.0	0.34	ug/L			10/29/13 14:21	1
Chloromethane	ND		1.0	0.35	ug/L			10/29/13 14:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/29/13 14:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/29/13 14:21	1
Cyclohexane	ND		1.0	0.18	ug/L			10/29/13 14:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/29/13 14:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/29/13 14:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/29/13 14:21	1
Methyl acetate	ND		1.0	0.50	ug/L			10/29/13 14:21	1
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.16	ug/L			10/29/13 14:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/29/13 14:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/29/13 14:21	1
Styrene	ND		1.0	0.73	ug/L			10/29/13 14:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/29/13 14:21	1
Toluene	**1.2**		1.0	0.51	ug/L			10/29/13 14:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/29/13 14:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/29/13 14:21	1
Trichloroethene	ND		1.0	0.46	ug/L			10/29/13 14:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/29/13 14:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/29/13 14:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/29/13 14:21	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06A
Date Collected: 10/17/13 12:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-4
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/29/13 14:21*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*10/29/13 14:21*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/29/13 14:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/21/13 14:42	10/24/13 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*112*		*52 - 132*	*10/21/13 14:42*	*10/24/13 03:58*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/21/13 14:42*	*10/24/13 03:58*	*1*
2-Fluorophenol	*54*		*20 - 120*	*10/21/13 14:42*	*10/24/13 03:58*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*10/21/13 14:42*	*10/24/13 03:58*	*1*
p-Terphenyl-d14	*77*		*67 - 150*	*10/21/13 14:42*	*10/24/13 03:58*	*1*
Phenol-d5	*36*		*16 - 120*	*10/21/13 14:42*	*10/24/13 03:58*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**310**		40	2.2	ug/L			10/23/13 11:29	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:07	1
PCB-1221	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:07	1
PCB-1232	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:07	1
PCB-1242	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:07	1
PCB-1248	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:07	1
PCB-1254	ND		0.47	0.23	ug/L		10/21/13 14:54	10/22/13 17:07	1
PCB-1260	ND		0.47	0.23	ug/L		10/21/13 14:54	10/22/13 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 126*	*10/21/13 14:54*	*10/22/13 17:07*	*1*
Tetrachloro-m-xylene	*68*		*23 - 127*	*10/21/13 14:54*	*10/22/13 17:07*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.086**	**J B**	0.20	0.060	mg/L		10/21/13 08:25	10/28/13 19:36	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 21:56	1
Arsenic	**0.014**		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 21:56	1
Barium	**0.14**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 21:56	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 21:56	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 21:56	1
Calcium	**107**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:56	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 21:56	1
Cobalt	**0.0042**		0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 21:56	1
Copper	**0.0037**	**J**	0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 21:56	1
Iron	**21.2**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 21:56	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 21:56	1
Magnesium	**44.1**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 21:56	1
Manganese	**1.7**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 21:56	1
Nickel	**0.014**		0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 21:56	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06A
Date Collected: 10/17/13 12:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-4
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	8.4		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:56	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 21:56	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 21:56	1
Sodium	51.0		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 21:56	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 21:56	1
Vanadium	ND		0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 21:56	1
Zinc	0.0069	J	0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 21:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	599		100	40.0	mg/L			10/21/13 19:18	10
Ammonia	8.9		0.10	0.045	mg/L			10/22/13 17:34	5
Ammonia as NH3	10.8		0.12	0.055	mg/L			10/22/13 17:34	5
Nitrate as N	0.044	J	0.050	0.020	mg/L			10/19/13 09:11	1
Nitrite as N	ND		0.050	0.020	mg/L			10/19/13 09:11	1
Chemical Oxygen Demand	27.6		10.0	5.0	mg/L			10/22/13 19:00	1
Sulfate	2.2	J B	5.0	1.5	mg/L			10/21/13 19:14	1
Total Organic Carbon	7.1		1.0	0.43	mg/L			10/22/13 22:19	1
Hardness as calcium carbonate	480		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	575		10.0	4.0	mg/L			10/22/13 01:40	1
Phosphorus	0.043		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	0.13		0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	45.2		4.0	4.0	mg/L			10/21/13 19:16	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06B
Date Collected: 10/17/13 11:20
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 05:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 05:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 05:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 05:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 05:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 05:45	1
1,2,4-Trichlorobenzene	ND	*	1.0	0.41	ug/L			10/25/13 05:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 05:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 05:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 05:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 05:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 05:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 05:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/13 05:45	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 05:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 05:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 05:45	1
Acetone	ND		10	3.0	ug/L			10/25/13 05:45	1
Benzene	ND		1.0	0.41	ug/L			10/25/13 05:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 05:45	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 05:45	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 05:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 05:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 05:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/13 05:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 05:45	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/13 05:45	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 05:45	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 05:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 05:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 05:45	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 05:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 05:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 05:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 05:45	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 05:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/13 05:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 05:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 05:45	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 05:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 05:45	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 05:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 05:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 05:45	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 05:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 05:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 05:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 05:45	1

Client Sample ID: MW-06B
Date Collected: 10/17/13 11:20
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-5
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*10/25/13 05:45*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*10/25/13 05:45*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/25/13 05:45*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/21/13 14:42	10/24/13 04:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*52 - 132*	*10/21/13 14:42*	*10/24/13 04:25*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*10/21/13 14:42*	*10/24/13 04:25*	*1*
2-Fluorophenol	*52*		*20 - 120*	*10/21/13 14:42*	*10/24/13 04:25*	*1*
Nitrobenzene-d5	*77*		*46 - 120*	*10/21/13 14:42*	*10/24/13 04:25*	*1*
p-Terphenyl-d14	*91*		*67 - 150*	*10/21/13 14:42*	*10/24/13 04:25*	*1*
Phenol-d5	*35*		*16 - 120*	*10/21/13 14:42*	*10/24/13 04:25*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	0.22	ug/L			10/23/13 11:11	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.48	0.17	ug/L		10/21/13 14:54	10/22/13 17:23	1
PCB-1221	ND		0.48	0.17	ug/L		10/21/13 14:54	10/22/13 17:23	1
PCB-1232	ND		0.48	0.17	ug/L		10/21/13 14:54	10/22/13 17:23	1
PCB-1242	ND		0.48	0.17	ug/L		10/21/13 14:54	10/22/13 17:23	1
PCB-1248	ND		0.48	0.17	ug/L		10/21/13 14:54	10/22/13 17:23	1
PCB-1254	ND		0.48	0.24	ug/L		10/21/13 14:54	10/22/13 17:23	1
PCB-1260	ND		0.48	0.24	ug/L		10/21/13 14:54	10/22/13 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*19 - 126*	*10/21/13 14:54*	*10/22/13 17:23*	*1*
Tetrachloro-m-xylene	*79*		*23 - 127*	*10/21/13 14:54*	*10/22/13 17:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.22**	**B**	0.20	0.060	mg/L		10/21/13 08:25	10/28/13 19:38	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 21:58	1
Arsenic	**0.011**		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 21:58	1
Barium	**0.0075**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 21:58	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 21:58	1
Cadmium	**0.0018**		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 21:58	1
Calcium	**8.2**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:58	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 21:58	1
Cobalt	ND		0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 21:58	1
Copper	**0.0040**	**J**	0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 21:58	1
Iron	**0.35**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 21:58	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 21:58	1
Magnesium	**1.4**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 21:58	1
Manganese	**0.022**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 21:58	1
Nickel	**0.0017**	**J**	0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 21:58	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06B
Date Collected: 10/17/13 11:20
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-5
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.68**		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 21:58	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 21:58	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 21:58	1
Sodium	**41.0**		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 21:58	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 21:58	1
Vanadium	ND		0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 21:58	1
Zinc	**0.021**		0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 21:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	**96.3**		20.0	8.0	mg/L			10/21/13 17:28	2
Ammonia	ND		0.020	0.0090	mg/L			10/22/13 17:02	1
Ammonia as NH3	ND		0.024	0.011	mg/L			10/22/13 17:02	1
Nitrate as N	**0.18**		0.050	0.020	mg/L			10/19/13 09:28	1
Nitrite as N	ND		0.050	0.020	mg/L			10/19/13 09:28	1
Chemical Oxygen Demand	**7.1**	**J**	10.0	5.0	mg/L			10/22/13 19:00	1
Sulfate	**5.6**	**B**	5.0	1.5	mg/L			10/21/13 16:28	1
Total Organic Carbon	**2.2**		1.0	0.43	mg/L			10/23/13 00:19	1
Hardness as calcium carbonate	**36.0**		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	**114**		10.0	4.0	mg/L			10/22/13 01:41	1
Phosphorus	**0.10**		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	**0.32**		0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/13 19:18	1

Client Sample ID: MW-02A

Lab Sample ID: 480-48304-1

Date Collected: 10/17/13 10:00

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147384	10/25/13 04:18	NQN	TAL BUF
Total/NA	Prep	3510C			146402	10/21/13 14:42	JRL	TAL BUF
Total/NA	Analysis	8270D		1	147040	10/24/13 02:34	AR1	TAL BUF
Total/NA	Analysis	RSK-175		1	146825	10/23/13 09:12	MAN	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		1	146500	10/22/13 16:19	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:33	JRK	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 21:49	LMH	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148326	10/28/13 19:22	LMH	TAL BUF
Total/NA	Analysis	353.2		1	146118	10/19/13 09:07	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146119	10/19/13 09:07	EGN	TAL BUF
Total/NA	Analysis	SM 2540D		1	146155	10/21/13 19:09	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146478	10/22/13 01:36	KS	TAL BUF
Total/NA	Analysis	9038		1	146491	10/22/13 02:41	RMB	TAL BUF
Total/NA	Analysis	310.2		6	146493	10/22/13 03:17	RMB	TAL BUF
Total/NA	Analysis	350.1		1	146729	10/22/13 16:58	KMF	TAL BUF
Total/NA	Analysis	9060A		1	146977	10/22/13 20:18	KRC	TAL BUF
Total/NA	Analysis	410.4		1	147017	10/23/13 12:59	KJ1	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: MW-08

Lab Sample ID: 480-48304-2

Date Collected: 10/17/13 12:30

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147384	10/25/13 04:40	NQN	TAL BUF
Total/NA	Prep	3510C			146402	10/21/13 14:42	JRL	TAL BUF
Total/NA	Analysis	8270D		1	147040	10/24/13 03:02	AR1	TAL BUF
Total/NA	Analysis	RSK-175		1	146825	10/23/13 09:43	MAN	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		1	146500	10/22/13 16:35	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:35	JRK	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 21:51	LMH	TAL BUF
Total/NA	Analysis	6010C		1	148326	10/28/13 19:25	LMH	TAL BUF

Client Sample ID: MW-08

Lab Sample ID: 480-48304-2

Date Collected: 10/17/13 12:30

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	146118	10/19/13 09:09	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146119	10/19/13 09:09	EGN	TAL BUF
Total/NA	Analysis	SM 2540D		1	146155	10/21/13 19:11	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	9038		1	146467	10/21/13 16:28	NCH	TAL BUF
Total/NA	Analysis	310.2		2	146468	10/21/13 17:28	NCH	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146478	10/22/13 01:35	KS	TAL BUF
Total/NA	Analysis	410.4		1	146696	10/22/13 14:29	KJ1	TAL BUF
Total/NA	Analysis	350.1		1	146729	10/22/13 16:59	KMF	TAL BUF
Total/NA	Analysis	9060A		1	146977	10/22/13 20:48	KRC	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: MW-06

Lab Sample ID: 480-48304-3

Date Collected: 10/17/13 13:50

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147384	10/25/13 05:02	NQN	TAL BUF
Total/NA	Prep	3510C			146402	10/21/13 14:42	JRL	TAL BUF
Total/NA	Analysis	8270D		1	147040	10/24/13 03:30	AR1	TAL BUF
Total/NA	Analysis	RSK-175		50	146825	10/23/13 10:12	MAN	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		1	146500	10/22/13 16:51	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:36	JRK	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 21:53	LMH	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148326	10/28/13 19:34	LMH	TAL BUF
Total/NA	Analysis	353.2		1	146108	10/19/13 09:27	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146118	10/19/13 09:27	EGN	TAL BUF
Total/NA	Analysis	SM 2540D		1	146155	10/21/13 19:14	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	9038		1	146467	10/21/13 19:14	NCH	TAL BUF
Total/NA	Analysis	310.2		10	146468	10/21/13 19:18	NCH	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146478	10/22/13 01:39	KS	TAL BUF
Total/NA	Analysis	410.4		1	146696	10/22/13 14:31	KJ1	TAL BUF
Total/NA	Analysis	350.1		2	146729	10/22/13 17:33	KMF	TAL BUF

Client Sample ID: MW-06

Lab Sample ID: 480-48304-3

Date Collected: 10/17/13 13:50

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	146977	10/22/13 21:18	KRC	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: MW-06A

Lab Sample ID: 480-48304-4

Date Collected: 10/17/13 12:50

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	148231	10/29/13 14:21	NMD1	TAL BUF
Total/NA	Prep	3510C			146402	10/21/13 14:42	JRL	TAL BUF
Total/NA	Analysis	8270D		1	147040	10/24/13 03:58	AR1	TAL BUF
Total/NA	Analysis	RSK-175		10	146825	10/23/13 11:29	MAN	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		1	146500	10/22/13 17:07	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:38	JRK	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 21:56	LMH	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148326	10/28/13 19:36	LMH	TAL BUF
Total/NA	Analysis	353.2		1	146118	10/19/13 09:11	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146119	10/19/13 09:11	EGN	TAL BUF
Total/NA	Analysis	SM 2540D		1	146155	10/21/13 19:16	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	9038		1	146467	10/21/13 19:14	NCH	TAL BUF
Total/NA	Analysis	310.2		10	146468	10/21/13 19:18	NCH	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146478	10/22/13 01:40	KS	TAL BUF
Total/NA	Analysis	350.1		5	146729	10/22/13 17:34	KMF	TAL BUF
Total/NA	Analysis	410.4		1	146756	10/22/13 19:00	JMB	TAL BUF
Total/NA	Analysis	9060A		1	146977	10/22/13 22:19	KRC	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: MW-06B

Lab Sample ID: 480-48304-5

Date Collected: 10/17/13 11:20

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147384	10/25/13 05:45	NQN	TAL BUF
Total/NA	Prep	3510C			146402	10/21/13 14:42	JRL	TAL BUF
Total/NA	Analysis	8270D		1	147040	10/24/13 04:25	AR1	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Client Sample ID: MW-06B

Date Collected: 10/17/13 11:20
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48304-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	146825	10/23/13 11:11	MAN	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		1	146500	10/22/13 17:23	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:40	JRK	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 21:58	LMH	TAL BUF
Total/NA	Analysis	6010C		1	148326	10/28/13 19:38	LMH	TAL BUF
Total/NA	Analysis	353.2		1	146108	10/19/13 09:28	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146118	10/19/13 09:28	EGN	TAL BUF
Total/NA	Analysis	SM 2540D		1	146155	10/21/13 19:18	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	9038		1	146467	10/21/13 16:28	NCH	TAL BUF
Total/NA	Analysis	310.2		2	146468	10/21/13 17:28	NCH	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146478	10/22/13 01:41	KS	TAL BUF
Total/NA	Analysis	350.1		1	146729	10/22/13 17:02	KMF	TAL BUF
Total/NA	Analysis	410.4		1	146756	10/22/13 19:00	JMB	TAL BUF
Total/NA	Analysis	9060A		1	146977	10/23/13 00:19	KRC	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Laboratory References:

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

Certification Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13 *
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13 *
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

* Expired certification is currently pending renewal and is considered valid.

Method Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
410.4	COD	MCAWW	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
SM 2340C	Hardness, Total	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48304-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-48304-1	MW-02A	Water	10/17/13 10:00	10/19/13 00:15
480-48304-2	MW-08	Water	10/17/13 12:30	10/19/13 00:15
480-48304-3	MW-06	Water	10/17/13 13:50	10/19/13 00:15
480-48304-4	MW-06A	Water	10/17/13 12:50	10/19/13 00:15
480-48304-5	MW-06B	Water	10/17/13 11:20	10/19/13 00:15

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact	Sampler: Karen Carling	Site Contact: Karen Carling	Date: 10/17/2013	COC No: 001
Karen Carling	Tel/Fax: (518)885-5383	Lab Contact: Sally Hoffman	Carrier:	1 of 1 COCs
Aztech Technologies, Inc	Analysis Turnaround Time			Job No.
5 McCrea Hill Road	Calendar (C) or Work Days (W) _____			
Ballston Spa, NY 12020	Standard			SDG No.
Project Name: Fort Edward Landfill #558001				
NYSDEC Call Out # 120794				
Project Number: 48004992				

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	350.1, 410.4, 4500_P_E	6010B, 7470A	2340C - Hardness as calcium carbonate	8260B - TCL list OLM04.2	9060- Total Organic Carbon	RSK_175 - Methane	8082 - TCL PCBs - OLM04.2	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	2540D - Total Suspended Solids	SM4500_S2_D - Sulfide	353.2, 353.2_Nitrite, 9038, Nitrate_Calc	310.2 - Alkalinity, Total	8270C - (MOD) TCL SVOA - OLM04.2	Sample Specific Notes:
MW-02A	10/17/13	1100	G	GW	22		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-08	10/17/13	1230	G	GW	22		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-06	10/17/13	1350	G	GW	22		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-06A	10/17/13	1250	G	GW	22		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MW-06B	10/17/13	1120	G	GW	22		X	X	X	X	X	X	X	X	X	X	X	X	X	X	

480-48304 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification

X Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

X Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements & Comments:

2-1, 3.0, 2.4, 2.1, 2.0, 26, 2-7

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Aztech	10/17/13 1545		TA	10/18/13 11:45
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	10/18/13		TA	10.19.13 0915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-48304-1

Login Number: 48304

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-48305-1
Client Project/Site: Fort Edward Site #558001

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

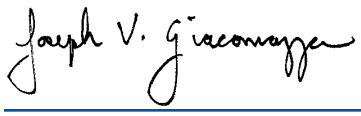
Joseph V. Giacomazza

Authorized for release by:
11/12/2013 12:32:47 PM
Joe Giacomazza, Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman, Project Manager II
(716)504-9839
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
11/12/2013 12:32:47 PM

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS/MSD Recovery and/or RPD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC VOA

Qualifier	Qualifier Description
F	MS/MSD Recovery and/or RPD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
b	Result Detected in the Unseeded Control blank (USB).
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F	MS/MSD Recovery and/or RPD exceeds the control limits

Glossary

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-48305-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-48305-1

Receipt
The samples were received on 10/19/2013 12:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 2.0º C, 2.1º C, 2.4º C, 2.6º C, 2.7º C, 2.8º C and 3.0º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) recovery was above TestAmerica's statistically developed internal laboratory QC limits, for Chloroethane. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte.

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: EW-1 (480-48305-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 147381 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260C: The laboratory control sample (LCS) recovery was outside TestAmerica's statistically developed internal laboratory QC limits for Chloroethane. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte. (LCS 480-147688/3)

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The following sample contained one acid and/or one base surrogate outside acceptance limits: EW-1 (480-48305-2), New MW (480-48305-3 MS), New MW (480-48305-3 MSD). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) for multiple analytes associated with batch 147078 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC VOA
Method(s) RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-1 (480-48305-2), EW-4 (480-48305-1). Elevated reporting limits (RLs) are provided.

Method(s) RSK-175: The matrix spike duplicate (MSD) recovery for batch 147508 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria and the RPD was within control limits.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8082A: The following sample was diluted due to the abundance of target analytes: EW-1 (480-48305-2). As such, surrogate recoveries are not representative and elevated reporting limits (RLs) are provided.

Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Tetrachloro-m-xylene was decreased and slightly exceeded 15% on the ZB-5 column, indicating a low bias. (CCV 480-146500/19), (CCV 480-146500/31)

No other analytical or quality issues were noted.

Job ID: 480-48305-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Metals

Method(s) 6010C: The Method Blank for batch 480-146114 contained total aluminum and calcium above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples EW-1 (480-48305-2), EW-4 (480-48305-1), New MW (480-48305-3) was not performed.

No other analytical or quality issues were noted.

General Chemistry

Method(s) SM 2540D: The results reported for the following sample(s) do not concur with results previously reported for this site: EW-4 (480-48305-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 2540D: The results reported for the following sample(s) do not concur with results previously reported for this site: New MW (480-48305-3). Reanalysis was performed, and the result(s) confirmed.

Method(s) 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 146729 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.New MW (480-48305-3 MS), New MW (480-48305-3 MSD)

Method(s) 353.2: The results reported for the following sample(s) do not concur with results previously reported for this site: EW-4 (480-48305-1). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 5210B: For batch 146157, the USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results are reported. (USB 480-146157/1)

Method(s) 9038, D516-90, 02: The method blank for batch 146467 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.EW-1 (480-48305-2), EW-4 (480-48305-1), New MW (480-48305-3)

Method(s) SM 4500 S2 D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 146390 were outside control limits: New MW (480-48305-3 MS), New MW (480-48305-3 MSD). Matrix interference is suspected. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: EW-4 — Lab Sample ID: 480-48305-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	1.2	*	1.0	0.32	ug/L	1		8260C	Total/NA
Methane	7000		400	22	ug/L	100		RSK-175	Total/NA
PCB-1016	0.26	J	0.47	0.17	ug/L	1		8082A	Total/NA
PCB-1221	1.8		0.47	0.17	ug/L	1		8082A	Total/NA
Aluminum	0.21	B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.063		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	88.0	B	0.50	0.10	mg/L	1		6010C	Total/NA
Cobalt	0.0025	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Iron	32.5		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	22.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	2.3		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0017	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	3.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	47.0		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0030	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Alkalinity, Total	339		50.0	20.0	mg/L	5		310.2	Total/NA
Ammonia	2.3		0.040	0.018	mg/L	2		350.1	Total/NA
Ammonia as NH3	2.8		0.048	0.022	mg/L	2		350.1	Total/NA
Nitrate as N	0.069		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.025	J	0.050	0.020	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	18.1		10.0	5.0	mg/L	1		410.4	Total/NA
Sulfate	19.1	B	5.0	1.5	mg/L	1		9038	Total/NA
Total Organic Carbon	4.6		1.0	0.43	mg/L	1		9060A	Total/NA
Hardness as calcium carbonate	308		4.0	1.1	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	469		10.0	4.0	mg/L	1		SM 2540C	Total/NA
Phosphorus	0.099		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.30		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	10.4	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	33.6		4.0	4.0	mg/L	1		SM 2540D	Total/NA

Client Sample ID: EW-1 — Lab Sample ID: 480-48305-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	8.6		5.0	2.1	ug/L	5		8260C	Total/NA
Chlorobenzene	6.5		5.0	3.8	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	130		5.0	4.1	ug/L	5		8260C	Total/NA
Ethylbenzene	12		5.0	3.7	ug/L	5		8260C	Total/NA
Toluene	9.9		5.0	2.6	ug/L	5		8260C	Total/NA
Vinyl chloride	310		5.0	4.5	ug/L	5		8260C	Total/NA
Xylenes, Total	48		10	3.3	ug/L	5		8260C	Total/NA
Methane	9100		400	22	ug/L	100		RSK-175	Total/NA
PCB-1016	220		24	8.3	ug/L	50		8082A	Total/NA
PCB-1221	430		24	8.3	ug/L	50		8082A	Total/NA
Aluminum	0.24	B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.36		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	128	B	0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0015	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0048		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0035	J	0.010	0.0016	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: EW-1 (Continued)

Lab Sample ID: 480-48305-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	66.2		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	47.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	1.2		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.020		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	28.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	138		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0019	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.069		0.010	0.0015	mg/L	1		6010C	Total/NA
Alkalinity, Total	672		150	60.0	mg/L	15		310.2	Total/NA
Ammonia	40.2		2.0	0.90	mg/L	100		350.1	Total/NA
Ammonia as NH3	48.9		2.4	1.1	mg/L	100		350.1	Total/NA
Nitrate as N	0.021	J	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrite as N	0.037	J	0.050	0.020	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	204		10.0	5.0	mg/L	1		410.4	Total/NA
Sulfate	9.1	B	5.0	1.5	mg/L	1		9038	Total/NA
Total Organic Carbon	49.1		1.0	0.43	mg/L	1		9060A	Total/NA
Hardness as calcium carbonate	540		10.0	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	990		10.0	4.0	mg/L	1		SM 2540C	Total/NA
Phosphorus	0.25		0.010	0.0050	mg/L	1		SM 4500 P E	Total/NA
Phosphorus as PO4	0.77		0.031	0.015	mg/L	1		SM 4500 P E	Total/NA
Biochemical Oxygen Demand	23.2	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	57.2		4.0	4.0	mg/L	1		SM 2540D	Total/NA

Client Sample ID: New MW

Lab Sample ID: 480-48305-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	17		4.0	0.22	ug/L	1		RSK-175	Total/NA
PCB-1221	0.34	J	0.47	0.17	ug/L	1		8082A	Total/NA
Aluminum	0.38	B	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.068		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	74.0	B	0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0030	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.20		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	182		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.020		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0022	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	1.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	171		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0017	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Alkalinity, Total	931		500	200	mg/L	50		310.2	Total/NA
Chemical Oxygen Demand	14.3		10.0	5.0	mg/L	1		410.4	Total/NA
Sulfate	113	B	25.0	7.5	mg/L	5		9038	Total/NA
Total Organic Carbon	4.4		1.0	0.43	mg/L	1		9060A	Total/NA
Hardness as calcium carbonate	920		20.0	5.3	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	1150		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-48305-4

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: EW-4
Date Collected: 10/18/13 10:30
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 22:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 22:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 22:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 22:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 22:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 22:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/13 22:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 22:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 22:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 22:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 22:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 22:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 22:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/13 22:53	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 22:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 22:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 22:53	1
Acetone	ND		10	3.0	ug/L			10/25/13 22:53	1
Benzene	ND		1.0	0.41	ug/L			10/25/13 22:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 22:53	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 22:53	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 22:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 22:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 22:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/13 22:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 22:53	1
Chloroethane	**1.2**	*	1.0	0.32	ug/L			10/25/13 22:53	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 22:53	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 22:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 22:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 22:53	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 22:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 22:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 22:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 22:53	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 22:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/13 22:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 22:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 22:53	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 22:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 22:53	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 22:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 22:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 22:53	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 22:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 22:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 22:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 22:53	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: EW-4
Date Collected: 10/18/13 10:30
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*10/25/13 22:53*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*10/25/13 22:53*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/25/13 22:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.7	0.37	ug/L		10/22/13 08:07	10/24/13 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*52 - 132*	*10/22/13 08:07*	*10/24/13 06:10*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*10/22/13 08:07*	*10/24/13 06:10*	*1*
2-Fluorophenol	*56*		*20 - 120*	*10/22/13 08:07*	*10/24/13 06:10*	*1*
Nitrobenzene-d5	*87*		*46 - 120*	*10/22/13 08:07*	*10/24/13 06:10*	*1*
p-Terphenyl-d14	*76*		*67 - 150*	*10/22/13 08:07*	*10/24/13 06:10*	*1*
Phenol-d5	*34*		*16 - 120*	*10/22/13 08:07*	*10/24/13 06:10*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**7000**		400	22	ug/L			10/25/13 15:14	100

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	**0.26**	**J**	0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:39	1
PCB-1221	**1.8**		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:39	1
PCB-1232	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:39	1
PCB-1242	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:39	1
PCB-1248	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 17:39	1
PCB-1254	ND		0.47	0.24	ug/L		10/21/13 14:54	10/22/13 17:39	1
PCB-1260	ND		0.47	0.24	ug/L		10/21/13 14:54	10/22/13 17:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*29*		*19 - 126*	*10/21/13 14:54*	*10/22/13 17:39*	*1*
Tetrachloro-m-xylene	*77*		*23 - 127*	*10/21/13 14:54*	*10/22/13 17:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.21**	**B**	0.20	0.060	mg/L		10/21/13 08:25	10/25/13 20:54	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 20:54	1
Arsenic	ND		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 20:54	1
Barium	**0.063**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 20:54	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 20:54	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 20:54	1
Calcium	**88.0**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:54	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 20:54	1
Cobalt	**0.0025**	**J**	0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 20:54	1
Copper	ND		0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 20:54	1
Iron	**32.5**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 20:54	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 20:54	1
Magnesium	**22.3**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 20:54	1
Manganese	**2.3**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 20:54	1
Nickel	**0.0017**	**J**	0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 20:54	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: EW-4
Date Collected: 10/18/13 10:30
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	3.5		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:54	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 20:54	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 20:54	1
Sodium	47.0		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 20:54	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 20:54	1
Vanadium	ND		0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 20:54	1
Zinc	0.0030	J	0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 20:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	339		50.0	20.0	mg/L			10/21/13 19:20	5
Ammonia	2.3		0.040	0.018	mg/L			10/22/13 17:03	2
Ammonia as NH3	2.8		0.048	0.022	mg/L			10/22/13 17:03	2
Nitrate as N	0.069		0.050	0.020	mg/L			10/19/13 15:19	1
Nitrite as N	0.025	J	0.050	0.020	mg/L			10/19/13 15:19	1
Chemical Oxygen Demand	18.1		10.0	5.0	mg/L			10/23/13 13:00	1
Sulfate	19.1	B	5.0	1.5	mg/L			10/21/13 19:02	1
Total Organic Carbon	4.6		1.0	0.43	mg/L			10/23/13 00:49	1
Hardness as calcium carbonate	308		4.0	1.1	mg/L			10/28/13 23:47	1
Total Dissolved Solids	469		10.0	4.0	mg/L			10/22/13 01:42	1
Phosphorus	0.099		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	0.30		0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	10.4	b	2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	33.6		4.0	4.0	mg/L			10/21/13 18:09	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: EW-1
Date Collected: 10/18/13 13:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/25/13 00:28	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/25/13 00:28	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/25/13 00:28	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/25/13 00:28	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/25/13 00:28	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/25/13 00:28	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/25/13 00:28	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/25/13 00:28	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/25/13 00:28	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/25/13 00:28	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/25/13 00:28	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/25/13 00:28	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/25/13 00:28	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/25/13 00:28	5
2-Hexanone	ND		25	6.2	ug/L			10/25/13 00:28	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/25/13 00:28	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/25/13 00:28	5
Acetone	ND		50	15	ug/L			10/25/13 00:28	5
Benzene	**8.6**		5.0	2.1	ug/L			10/25/13 00:28	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/25/13 00:28	5
Bromoform	ND		5.0	1.3	ug/L			10/25/13 00:28	5
Bromomethane	ND		5.0	3.5	ug/L			10/25/13 00:28	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/25/13 00:28	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/25/13 00:28	5
Chlorobenzene	**6.5**		5.0	3.8	ug/L			10/25/13 00:28	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/25/13 00:28	5
Chloroethane	ND	*	5.0	1.6	ug/L			10/25/13 00:28	5
Chloroform	ND		5.0	1.7	ug/L			10/25/13 00:28	5
Chloromethane	ND		5.0	1.8	ug/L			10/25/13 00:28	5
cis-1,2-Dichloroethene	**130**		5.0	4.1	ug/L			10/25/13 00:28	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/25/13 00:28	5
Cyclohexane	ND		5.0	0.90	ug/L			10/25/13 00:28	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/25/13 00:28	5
Ethylbenzene	**12**		5.0	3.7	ug/L			10/25/13 00:28	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/25/13 00:28	5
Methyl acetate	ND		5.0	2.5	ug/L			10/25/13 00:28	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/25/13 00:28	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/25/13 00:28	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/25/13 00:28	5
Styrene	ND		5.0	3.7	ug/L			10/25/13 00:28	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/25/13 00:28	5
Toluene	**9.9**		5.0	2.6	ug/L			10/25/13 00:28	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/25/13 00:28	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/25/13 00:28	5
Trichloroethene	ND		5.0	2.3	ug/L			10/25/13 00:28	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/25/13 00:28	5
Vinyl chloride	**310**		5.0	4.5	ug/L			10/25/13 00:28	5
Xylenes, Total	**48**		10	3.3	ug/L			10/25/13 00:28	5

Client Sample ID: EW-1
Date Collected: 10/18/13 13:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*10/25/13 00:28*	*5*
Toluene-d8 (Surr)	*104*		*71 - 126*		*10/25/13 00:28*	*5*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/25/13 00:28*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/22/13 08:07	10/24/13 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*52 - 132*	*10/22/13 08:07*	*10/24/13 06:37*	*1*
2-Fluorobiphenyl	*68*		*48 - 120*	*10/22/13 08:07*	*10/24/13 06:37*	*1*
2-Fluorophenol	*54*		*20 - 120*	*10/22/13 08:07*	*10/24/13 06:37*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*10/22/13 08:07*	*10/24/13 06:37*	*1*
p-Terphenyl-d14	*52*	*X*	*67 - 150*	*10/22/13 08:07*	*10/24/13 06:37*	*1*
Phenol-d5	*33*		*16 - 120*	*10/22/13 08:07*	*10/24/13 06:37*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**9100**		400	22	ug/L			10/25/13 15:31	100

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	**220**		24	8.3	ug/L		10/21/13 14:54	10/23/13 06:15	50
PCB-1221	**430**		24	8.3	ug/L		10/21/13 14:54	10/23/13 06:15	50
PCB-1232	ND		24	8.3	ug/L		10/21/13 14:54	10/23/13 06:15	50
PCB-1242	ND		24	8.3	ug/L		10/21/13 14:54	10/23/13 06:15	50
PCB-1248	ND		24	8.3	ug/L		10/21/13 14:54	10/23/13 06:15	50
PCB-1254	ND		24	12	ug/L		10/21/13 14:54	10/23/13 06:15	50
PCB-1260	ND		24	12	ug/L		10/21/13 14:54	10/23/13 06:15	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*19 - 126*	*10/21/13 14:54*	*10/23/13 06:15*	*50*
Tetrachloro-m-xylene	*0*	*X*	*23 - 127*	*10/21/13 14:54*	*10/23/13 06:15*	*50*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.24**	**B**	0.20	0.060	mg/L		10/21/13 08:25	10/25/13 20:57	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 20:57	1
Arsenic	ND		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 20:57	1
Barium	**0.36**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 20:57	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 20:57	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 20:57	1
Calcium	**128**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:57	1
Chromium	**0.0015**	**J**	0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 20:57	1
Cobalt	**0.0048**		0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 20:57	1
Copper	**0.0035**	**J**	0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 20:57	1
Iron	**66.2**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 20:57	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 20:57	1
Magnesium	**47.7**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 20:57	1
Manganese	**1.2**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 20:57	1
Nickel	**0.020**		0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 20:57	1

Client Sample ID: EW-1
Date Collected: 10/18/13 13:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	28.7		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:57	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 20:57	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 20:57	1
Sodium	138		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 20:57	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 20:57	1
Vanadium	0.0019	J	0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 20:57	1
Zinc	0.069		0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 20:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	672		150	60.0	mg/L			10/21/13 19:20	15
Ammonia	40.2		2.0	0.90	mg/L			10/22/13 17:07	100
Ammonia as NH3	48.9		2.4	1.1	mg/L			10/22/13 17:07	100
Nitrate as N	0.021	J	0.050	0.020	mg/L			10/19/13 15:21	1
Nitrite as N	0.037	J	0.050	0.020	mg/L			10/19/13 15:21	1
Chemical Oxygen Demand	204		10.0	5.0	mg/L			10/24/13 19:43	1
Sulfate	9.1	B	5.0	1.5	mg/L			10/21/13 19:02	1
Total Organic Carbon	49.1		1.0	0.43	mg/L			10/23/13 01:19	1
Hardness as calcium carbonate	540		10.0	2.6	mg/L			10/28/13 23:47	1
Total Dissolved Solids	990		10.0	4.0	mg/L			10/22/13 01:44	1
Phosphorus	0.25		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	0.77		0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	23.2	b	2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	57.2		4.0	4.0	mg/L			10/21/13 18:11	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: New MW
Date Collected: 10/18/13 10:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 00:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 00:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 00:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 00:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 00:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 00:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/13 00:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 00:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 00:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 00:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 00:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 00:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 00:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/13 00:51	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 00:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 00:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 00:51	1
Acetone	ND		10	3.0	ug/L			10/25/13 00:51	1
Benzene	ND		1.0	0.41	ug/L			10/25/13 00:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 00:51	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 00:51	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 00:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 00:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 00:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/13 00:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 00:51	1
Chloroethane	ND	*	1.0	0.32	ug/L			10/25/13 00:51	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 00:51	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 00:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 00:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 00:51	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 00:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 00:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 00:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 00:51	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 00:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/13 00:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 00:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 00:51	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 00:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 00:51	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 00:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 00:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 00:51	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 00:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 00:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 00:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 00:51	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: New MW
Date Collected: 10/18/13 10:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		66 - 137		10/25/13 00:51	1
Toluene-d8 (Surr)	105		71 - 126		10/25/13 00:51	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/25/13 00:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.8	0.37	ug/L		10/22/13 08:07	10/24/13 07:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	106		52 - 132	10/22/13 08:07	10/24/13 07:03	1
2-Fluorobiphenyl	73		48 - 120	10/22/13 08:07	10/24/13 07:03	1
2-Fluorophenol	48		20 - 120	10/22/13 08:07	10/24/13 07:03	1
Nitrobenzene-d5	73		46 - 120	10/22/13 08:07	10/24/13 07:03	1
p-Terphenyl-d14	72		67 - 150	10/22/13 08:07	10/24/13 07:03	1
Phenol-d5	31		16 - 120	10/22/13 08:07	10/24/13 07:03	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**17**		4.0	0.22	ug/L			10/25/13 15:48	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 18:42	1
PCB-1221	**0.34**	**J**	0.47	0.17	ug/L		10/21/13 14:54	10/22/13 18:42	1
PCB-1232	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 18:42	1
PCB-1242	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 18:42	1
PCB-1248	ND		0.47	0.17	ug/L		10/21/13 14:54	10/22/13 18:42	1
PCB-1254	ND		0.47	0.24	ug/L		10/21/13 14:54	10/22/13 18:42	1
PCB-1260	ND		0.47	0.24	ug/L		10/21/13 14:54	10/22/13 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	69		19 - 126	10/21/13 14:54	10/22/13 18:42	1
Tetrachloro-m-xylene	74		23 - 127	10/21/13 14:54	10/22/13 18:42	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.38**	**B**	0.20	0.060	mg/L		10/21/13 08:25	10/25/13 20:59	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 20:59	1
Arsenic	ND		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 20:59	1
Barium	**0.068**		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 20:59	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 20:59	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 20:59	1
Calcium	**74.0**	**B**	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:59	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 20:59	1
Cobalt	ND		0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 20:59	1
Copper	**0.0030**	**J**	0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 20:59	1
Iron	**0.20**		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 20:59	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 20:59	1
Magnesium	**182**		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 20:59	1
Manganese	**0.020**		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 20:59	1
Nickel	**0.0022**	**J**	0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 20:59	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: New MW
Date Collected: 10/18/13 10:50
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**1.7**		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:59	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 20:59	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 20:59	1
Sodium	**171**		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 20:59	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 20:59	1
Vanadium	ND		0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 20:59	1
Zinc	**0.0017**	**J**	0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 20:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 14:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	**931**		500	200	mg/L			10/21/13 21:11	50
Ammonia	ND		0.020	0.0090	mg/L			10/22/13 17:08	1
Ammonia as NH3	ND		0.024	0.011	mg/L			10/22/13 17:08	1
Nitrate as N	ND		0.050	0.020	mg/L			10/19/13 15:22	1
Nitrite as N	ND		0.050	0.020	mg/L			10/19/13 15:22	1
Chemical Oxygen Demand	**14.3**		10.0	5.0	mg/L			10/24/13 20:40	1
Sulfate	**113**	**B**	25.0	7.5	mg/L			10/21/13 20:29	5
Total Organic Carbon	**4.4**		1.0	0.43	mg/L			10/23/13 01:50	1
Hardness as calcium carbonate	**920**		20.0	5.3	mg/L			10/28/13 23:47	1
Total Dissolved Solids	**1150**		10.0	4.0	mg/L			10/22/13 02:31	1
Phosphorus	ND		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	ND		0.031	0.015	mg/L			10/21/13 19:08	1
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/19/13 09:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/13 18:53	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: Trip Blank
Date Collected: 10/18/13 00:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 02:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 02:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 02:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 02:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 02:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 02:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/13 02:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 02:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 02:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 02:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 02:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 02:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 02:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/13 02:02	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 02:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 02:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 02:02	1
Acetone	ND		10	3.0	ug/L			10/25/13 02:02	1
Benzene	ND		1.0	0.41	ug/L			10/25/13 02:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 02:02	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 02:02	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 02:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 02:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 02:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/13 02:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 02:02	1
Chloroethane	ND	*	1.0	0.32	ug/L			10/25/13 02:02	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 02:02	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 02:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 02:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 02:02	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 02:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 02:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 02:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 02:02	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 02:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/13 02:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 02:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 02:02	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 02:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 02:02	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 02:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 02:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 02:02	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 02:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 02:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 02:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 02:02	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: Trip Blank
Date Collected: 10/18/13 00:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 137		10/25/13 02:02	1
Toluene-d8 (Surr)	105		71 - 126		10/25/13 02:02	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/25/13 02:02	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		12DCE	TOL	BFB
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)
480-48305-1	EW-4	112	103	99
480-48305-2	EW-1	109	104	102
480-48305-3	New MW	111	105	103
480-48305-3 MS	New MW	104	100	101
480-48305-3 MSD	New MW	105	105	103
480-48305-4	Trip Blank	110	105	102
LCS 480-147381/3	Lab Control Sample	103	101	100
LCS 480-147688/3	Lab Control Sample	111	103	103
MB 480-147381/4	Method Blank	108	102	102
MB 480-147688/4	Method Blank	113	106	101

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPH	PHL
Lab Sample ID	Client Sample ID	(52-132)	(48-120)	(20-120)	(46-120)	(67-150)	(16-120)
480-48305-1	EW-4	99	82	56	87	76	34
480-48305-2	EW-1	106	68	54	80	52 X	33
480-48305-3	New MW	106	73	48	73	72	31
480-48305-3 MS	New MW	108	80	53	80	54 X	34
480-48305-3 MSD	New MW	114	79	51	72	62 X	36
LCS 480-146542/2-A	Lab Control Sample	108	82	50	80	98	36
MB 480-146542/1-A	Method Blank	76	70	54	81	100	32

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPH = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(19-126)	(23-127)
480-48305-1	EW-4	29	77
480-48305-2	EW-1	48	0 X
480-48305-3	New MW	69	74
480-48305-3 MS	New MW	67	37
480-48305-3 MSD	New MW	72	76
LCS 480-146407/2-A	Lab Control Sample	75	73

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB1 (19-126)	TCX1 (23-127)								
MB 480-146407/1-A	Method Blank	75	69								

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

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

Lab Sample ID: MB 480-147381/4
Matrix: Water
Analysis Batch: 147381

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/13 22:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/13 22:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/13 22:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/13 22:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/13 22:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/13 22:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/13 22:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/13 22:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/13 22:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/13 22:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/13 22:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/13 22:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/13 22:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/13 22:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/13 22:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/13 22:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/13 22:16	1
Acetone	ND		10	3.0	ug/L			10/24/13 22:16	1
Benzene	ND		1.0	0.41	ug/L			10/24/13 22:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/13 22:16	1
Bromoform	ND		1.0	0.26	ug/L			10/24/13 22:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/13 22:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/13 22:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/13 22:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/13 22:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/13 22:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/13 22:16	1
Chloroform	ND		1.0	0.34	ug/L			10/24/13 22:16	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/13 22:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/13 22:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/13 22:16	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/13 22:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/13 22:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/13 22:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/13 22:16	1
Methyl acetate	ND		1.0	0.50	ug/L			10/24/13 22:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/13 22:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/13 22:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/13 22:16	1
Styrene	ND		1.0	0.73	ug/L			10/24/13 22:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/13 22:16	1
Toluene	ND		1.0	0.51	ug/L			10/24/13 22:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/13 22:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/13 22:16	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/13 22:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/13 22:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/13 22:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/13 22:16	1

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

Lab Sample ID: MB 480-147381/4
Matrix: Water
Analysis Batch: 147381

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		10/24/13 22:16	1
Toluene-d8 (Surr)	102		71 - 126		10/24/13 22:16	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/24/13 22:16	1

Lab Sample ID: LCS 480-147381/3
Matrix: Water
Analysis Batch: 147381

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	26.7		ug/L		107	71 - 129
1,1-Dichloroethene	25.0	27.7		ug/L		111	58 - 121
1,2-Dichlorobenzene	25.0	27.3		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	26.9		ug/L		108	75 - 127
Benzene	25.0	26.2		ug/L		105	71 - 124
Chlorobenzene	25.0	26.6		ug/L		106	72 - 120
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
Ethylbenzene	25.0	26.1		ug/L		105	77 - 123
Methyl tert-butyl ether	25.0	23.7		ug/L		95	64 - 127
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	26.4		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.5		ug/L		106	73 - 127
Trichloroethene	25.0	26.2		ug/L		105	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
Toluene-d8 (Surr)	101		71 - 126
4-Bromofluorobenzene (Surr)	100		73 - 120

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 147381

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		25.0	28.3		ug/L		113	71 - 129
1,1-Dichloroethene	ND		25.0	27.6		ug/L		110	58 - 121
1,2-Dichlorobenzene	ND		25.0	28.4		ug/L		114	80 - 124
1,2-Dichloroethane	ND		25.0	29.4		ug/L		118	75 - 127
Benzene	ND		25.0	28.2		ug/L		113	71 - 124
Chlorobenzene	ND		25.0	28.5		ug/L		114	72 - 120
cis-1,2-Dichloroethene	ND		25.0	27.7		ug/L		111	74 - 124
Ethylbenzene	ND		25.0	28.3		ug/L		113	77 - 123
Methyl tert-butyl ether	ND		25.0	25.8		ug/L		103	64 - 127
Tetrachloroethene	ND		25.0	27.9		ug/L		112	74 - 122
Toluene	ND		25.0	27.4		ug/L		110	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.5		ug/L		114	73 - 127
Trichloroethene	ND		25.0	28.1		ug/L		112	74 - 123

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

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 147381

Client Sample ID: New MW
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 147381

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		25.0	30.6		ug/L		122	71 - 129	8	20
1,1-Dichloroethene	ND		25.0	29.5		ug/L		118	58 - 121	7	16
1,2-Dichlorobenzene	ND		25.0	30.8		ug/L		123	80 - 124	8	20
1,2-Dichloroethane	ND		25.0	30.9		ug/L		124	75 - 127	5	20
Benzene	ND		25.0	30.3		ug/L		121	71 - 124	7	13
Chlorobenzene	ND		25.0	31.2	F	ug/L		125	72 - 120	9	25
cis-1,2-Dichloroethene	ND		25.0	29.8		ug/L		119	74 - 124	7	15
Ethylbenzene	ND		25.0	31.3	F	ug/L		125	77 - 123	10	15
Methyl tert-butyl ether	ND		25.0	26.6		ug/L		107	64 - 127	3	37
Tetrachloroethene	ND		25.0	31.5	F	ug/L		126	74 - 122	12	20
Toluene	ND		25.0	30.6		ug/L		122	80 - 122	11	15
trans-1,2-Dichloroethene	ND		25.0	30.6		ug/L		122	73 - 127	7	20
Trichloroethene	ND		25.0	30.5		ug/L		122	74 - 123	8	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
Toluene-d8 (Surr)	*105*		*71 - 126*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*

Lab Sample ID: MB 480-147688/4
Matrix: Water
Analysis Batch: 147688

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/13 21:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/13 21:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/13 21:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/13 21:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/13 21:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/13 21:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/13 21:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/13 21:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/13 21:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/13 21:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/13 21:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/13 21:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/13 21:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/13 21:15	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/13 21:15	1

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

Lab Sample ID: MB 480-147688/4
Matrix: Water
Analysis Batch: 147688

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/13 21:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/13 21:15	1
Acetone	ND		10	3.0	ug/L			10/25/13 21:15	1
Benzene	ND		1.0	0.41	ug/L			10/25/13 21:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/13 21:15	1
Bromoform	ND		1.0	0.26	ug/L			10/25/13 21:15	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/13 21:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/13 21:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/13 21:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/13 21:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/13 21:15	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/13 21:15	1
Chloroform	ND		1.0	0.34	ug/L			10/25/13 21:15	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/13 21:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/13 21:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/13 21:15	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/13 21:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/13 21:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/13 21:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/13 21:15	1
Methyl acetate	ND		1.0	0.50	ug/L			10/25/13 21:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/13 21:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/13 21:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/13 21:15	1
Styrene	ND		1.0	0.73	ug/L			10/25/13 21:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/13 21:15	1
Toluene	ND		1.0	0.51	ug/L			10/25/13 21:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/13 21:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/13 21:15	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/13 21:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/13 21:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/13 21:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/13 21:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*10/25/13 21:15*	*1*
Toluene-d8 (Surr)	*106*		*71 - 126*		*10/25/13 21:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/25/13 21:15*	*1*

Lab Sample ID: LCS 480-147688/3
Matrix: Water
Analysis Batch: 147688

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	27.8		ug/L		111	71 - 129
1,1-Dichloroethene	25.0	26.6		ug/L		106	58 - 121
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	29.5		ug/L		118	75 - 127

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

Lab Sample ID: LCS 480-147688/3
Matrix: Water
Analysis Batch: 147688

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	27.3		ug/L		109	71 - 124
Chlorobenzene	25.0	26.9		ug/L		108	72 - 120
cis-1,2-Dichloroethene	25.0	27.1		ug/L		108	74 - 124
Ethylbenzene	25.0	26.8		ug/L		107	77 - 123
Methyl tert-butyl ether	25.0	25.6		ug/L		102	64 - 127
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	26.7		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127
Trichloroethene	25.0	27.0		ug/L		108	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*
Toluene-d8 (Surr)	*103*		*71 - 126*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*

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

Lab Sample ID: MB 480-146542/1-A
Matrix: Water
Analysis Batch: 147078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		5.0	0.39	ug/L		10/22/13 08:07	10/24/13 01:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*52 - 132*	*10/22/13 08:07*	*10/24/13 01:00*	*1*
2-Fluorobiphenyl	*70*		*48 - 120*	*10/22/13 08:07*	*10/24/13 01:00*	*1*
2-Fluorophenol	*54*		*20 - 120*	*10/22/13 08:07*	*10/24/13 01:00*	*1*
Nitrobenzene-d5	*81*		*46 - 120*	*10/22/13 08:07*	*10/24/13 01:00*	*1*
p-Terphenyl-d14	*100*		*67 - 150*	*10/22/13 08:07*	*10/24/13 01:00*	*1*
Phenol-d5	*32*		*16 - 120*	*10/22/13 08:07*	*10/24/13 01:00*	*1*

Lab Sample ID: LCS 480-146542/2-A
Matrix: Water
Analysis Batch: 147078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146542

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	32.0	13.5		ug/L		42	17 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*108*		*52 - 132*
2-Fluorobiphenyl	*82*		*48 - 120*
2-Fluorophenol	*50*		*20 - 120*
Nitrobenzene-d5	*80*		*46 - 120*
p-Terphenyl-d14	*98*		*67 - 150*
Phenol-d5	*36*		*16 - 120*

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

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 147078

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146542

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	ND		29.9	12.1		ug/L		40	17 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*108*		*52 - 132*
2-Fluorobiphenyl	*80*		*48 - 120*
2-Fluorophenol	*53*		*20 - 120*
Nitrobenzene-d5	*80*		*46 - 120*
p-Terphenyl-d14	*54*	*X*	*67 - 150*
Phenol-d5	*34*		*16 - 120*

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 147078

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146542

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenol	ND		30.2	14.0		ug/L		46	17 - 120	15	34

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*114*		*52 - 132*
2-Fluorobiphenyl	*79*		*48 - 120*
2-Fluorophenol	*51*		*20 - 120*
Nitrobenzene-d5	*72*		*46 - 120*
p-Terphenyl-d14	*62*	*X*	*67 - 150*
Phenol-d5	*36*		*16 - 120*

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-147508/2
Matrix: Water
Analysis Batch: 147508

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	0.22	ug/L			10/25/13 09:35	1

Lab Sample ID: LCS 480-147508/3
Matrix: Water
Analysis Batch: 147508

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	7.77	7.66		ug/L		99	48 - 174

Lab Sample ID: LCSD 480-147508/4
Matrix: Water
Analysis Batch: 147508

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane	7.77	7.96		ug/L		102	48 - 174	4	50

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 147508

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	17		7.77	25.5		ug/L		105	48 - 174

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 147508

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane	17		7.77	20.7	F	ug/L		43	48 - 174	21	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-146407/1-A
Matrix: Water
Analysis Batch: 146500

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146407

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		10/21/13 14:54	10/22/13 12:52	1
PCB-1221	ND		0.50	0.18	ug/L		10/21/13 14:54	10/22/13 12:52	1
PCB-1232	ND		0.50	0.18	ug/L		10/21/13 14:54	10/22/13 12:52	1
PCB-1242	ND		0.50	0.18	ug/L		10/21/13 14:54	10/22/13 12:52	1
PCB-1248	ND		0.50	0.18	ug/L		10/21/13 14:54	10/22/13 12:52	1
PCB-1254	ND		0.50	0.25	ug/L		10/21/13 14:54	10/22/13 12:52	1
PCB-1260	ND		0.50	0.25	ug/L		10/21/13 14:54	10/22/13 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*19 - 126*	*10/21/13 14:54*	*10/22/13 12:52*	*1*
Tetrachloro-m-xylene	*69*		*23 - 127*	*10/21/13 14:54*	*10/22/13 12:52*	*1*

Lab Sample ID: LCS 480-146407/2-A
Matrix: Water
Analysis Batch: 146500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146407

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	4.00	4.24		ug/L		106	51 - 137
PCB-1260	4.00	3.46		ug/L		86	45 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*75*		*19 - 126*
Tetrachloro-m-xylene	*73*		*23 - 127*

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146500

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146407

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		3.81	4.15		ug/L		109	52 - 134
PCB-1260	ND		3.81	3.25		ug/L		85	19 - 136

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146500

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146407

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	67		19 - 126
Tetrachloro-m-xylene	37		23 - 127

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146500

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146407

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		3.82	4.33		ug/L		113	52 - 134	4	50
PCB-1260	ND		3.82	3.52		ug/L		92	19 - 136	8	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	72		19 - 126
Tetrachloro-m-xylene	76		23 - 127

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-146114/1-A
Matrix: Water
Analysis Batch: 147814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.177	J	0.20	0.060	mg/L		10/21/13 08:25	10/25/13 20:50	1
Antimony	ND		0.020	0.0068	mg/L		10/21/13 08:25	10/25/13 20:50	1
Arsenic	ND		0.010	0.0056	mg/L		10/21/13 08:25	10/25/13 20:50	1
Barium	ND		0.0020	0.00070	mg/L		10/21/13 08:25	10/25/13 20:50	1
Beryllium	ND		0.0020	0.00030	mg/L		10/21/13 08:25	10/25/13 20:50	1
Cadmium	ND		0.0010	0.00050	mg/L		10/21/13 08:25	10/25/13 20:50	1
Calcium	0.339	J	0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:50	1
Chromium	ND		0.0040	0.0010	mg/L		10/21/13 08:25	10/25/13 20:50	1
Cobalt	ND		0.0040	0.00063	mg/L		10/21/13 08:25	10/25/13 20:50	1
Copper	ND		0.010	0.0016	mg/L		10/21/13 08:25	10/25/13 20:50	1
Iron	ND		0.050	0.019	mg/L		10/21/13 08:25	10/25/13 20:50	1
Lead	ND		0.0050	0.0030	mg/L		10/21/13 08:25	10/25/13 20:50	1
Magnesium	ND		0.20	0.043	mg/L		10/21/13 08:25	10/25/13 20:50	1
Manganese	ND		0.0030	0.00040	mg/L		10/21/13 08:25	10/25/13 20:50	1
Nickel	ND		0.010	0.0013	mg/L		10/21/13 08:25	10/25/13 20:50	1
Potassium	ND		0.50	0.10	mg/L		10/21/13 08:25	10/25/13 20:50	1
Selenium	ND		0.015	0.0087	mg/L		10/21/13 08:25	10/25/13 20:50	1
Silver	ND		0.0030	0.0017	mg/L		10/21/13 08:25	10/25/13 20:50	1
Sodium	ND		1.0	0.32	mg/L		10/21/13 08:25	10/25/13 20:50	1
Thallium	ND		0.020	0.010	mg/L		10/21/13 08:25	10/25/13 20:50	1
Vanadium	ND		0.0050	0.0015	mg/L		10/21/13 08:25	10/25/13 20:50	1
Zinc	ND		0.010	0.0015	mg/L		10/21/13 08:25	10/25/13 20:50	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-146114/2-A
Matrix: Water
Analysis Batch: 147814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.75		mg/L		107	80 - 120
Antimony	0.200	0.210		mg/L		105	80 - 120
Arsenic	0.200	0.214		mg/L		107	80 - 120
Barium	0.200	0.215		mg/L		107	80 - 120
Beryllium	0.200	0.209		mg/L		104	80 - 120
Cadmium	0.200	0.210		mg/L		105	80 - 120
Calcium	10.0	10.44		mg/L		104	80 - 120
Chromium	0.200	0.216		mg/L		108	80 - 120
Cobalt	0.200	0.207		mg/L		104	80 - 120
Copper	0.200	0.220		mg/L		110	80 - 120
Iron	10.0	9.82		mg/L		98	80 - 120
Lead	0.200	0.213		mg/L		106	80 - 120
Magnesium	10.0	10.95		mg/L		109	80 - 120
Manganese	0.200	0.205		mg/L		103	80 - 120
Nickel	0.200	0.213		mg/L		106	80 - 120
Potassium	10.0	10.05		mg/L		100	80 - 120
Selenium	0.200	0.212		mg/L		106	80 - 120
Silver	0.0500	0.0525		mg/L		105	80 - 120
Sodium	10.0	10.28		mg/L		103	80 - 120
Thallium	0.200	0.216		mg/L		108	80 - 120
Vanadium	0.200	0.217		mg/L		108	80 - 120
Zinc	0.200	0.215		mg/L		107	80 - 120

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 147814

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.38	B	10.0	10.81		mg/L		104	75 - 125
Antimony	ND		0.200	0.212		mg/L		106	75 - 125
Arsenic	ND		0.200	0.223		mg/L		111	75 - 125
Barium	0.068		0.200	0.275		mg/L		103	75 - 125
Beryllium	ND		0.200	0.209		mg/L		104	75 - 125
Cadmium	ND		0.200	0.215		mg/L		107	75 - 125
Calcium	74.0	B	10.0	84.42	4	mg/L		104	75 - 125
Chromium	ND		0.200	0.214		mg/L		107	75 - 125
Cobalt	ND		0.200	0.215		mg/L		108	75 - 125
Copper	0.0030	J	0.200	0.218		mg/L		107	75 - 125
Iron	0.20		10.0	9.85		mg/L		97	75 - 125
Lead	ND		0.200	0.219		mg/L		109	75 - 125
Magnesium	182		10.0	192.6	4	mg/L		106	75 - 125
Manganese	0.020		0.200	0.222		mg/L		101	75 - 125
Nickel	0.0022	J	0.200	0.222		mg/L		110	75 - 125
Potassium	1.7		10.0	12.25		mg/L		105	75 - 125
Selenium	ND		0.200	0.220		mg/L		110	75 - 125
Silver	ND		0.0500	0.0547		mg/L		109	75 - 125
Sodium	171		10.0	182.5	4	mg/L		118	75 - 125
Thallium	ND		0.200	0.213		mg/L		106	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 147814

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	ND		0.200	0.219		mg/L		109	75 - 125
Zinc	0.0017	J	0.200	0.214		mg/L		106	75 - 125

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 147814

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.38	B	10.0	10.94		mg/L		106	75 - 125	1	20
Antimony	ND		0.200	0.211		mg/L		105	75 - 125	1	20
Arsenic	ND		0.200	0.221		mg/L		111	75 - 125	1	20
Barium	0.068		0.200	0.273		mg/L		102	75 - 125	1	20
Beryllium	ND		0.200	0.208		mg/L		104	75 - 125	0	20
Cadmium	ND		0.200	0.214		mg/L		107	75 - 125	1	20
Calcium	74.0	B	10.0	83.25	4	mg/L		93	75 - 125	1	20
Chromium	ND		0.200	0.213		mg/L		107	75 - 125	0	20
Cobalt	ND		0.200	0.213		mg/L		107	75 - 125	1	20
Copper	0.0030	J	0.200	0.215		mg/L		106	75 - 125	1	20
Iron	0.20		10.0	9.78		mg/L		96	75 - 125	1	20
Lead	ND		0.200	0.219		mg/L		109	75 - 125	0	20
Magnesium	182		10.0	188.8	4	mg/L		68	75 - 125	2	20
Manganese	0.020		0.200	0.221		mg/L		100	75 - 125	0	20
Nickel	0.0022	J	0.200	0.220		mg/L		109	75 - 125	1	20
Potassium	1.7		10.0	12.26		mg/L		105	75 - 125	0	20
Selenium	ND		0.200	0.221		mg/L		110	75 - 125	0	20
Silver	ND		0.0500	0.0543		mg/L		109	75 - 125	1	20
Sodium	171		10.0	179.7	4	mg/L		90	75 - 125	2	20
Thallium	ND		0.200	0.211		mg/L		106	75 - 125	1	20
Vanadium	ND		0.200	0.217		mg/L		108	75 - 125	1	20
Zinc	0.0017	J	0.200	0.213		mg/L		105	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-146259/1-A
Matrix: Water
Analysis Batch: 146423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 146259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/21/13 08:40	10/21/13 13:52	1

Lab Sample ID: LCS 480-146259/2-A
Matrix: Water
Analysis Batch: 146423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 146259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00637		mg/L		95	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146423

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00527		mg/L		79	75 - 125

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146423

Client Sample ID: New MW
Prep Type: Total/NA
Prep Batch: 146259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00540		mg/L		81	75 - 125	2	20

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-146468/106
Matrix: Water
Analysis Batch: 146468

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			10/21/13 18:49	1

Lab Sample ID: MB 480-146468/113
Matrix: Water
Analysis Batch: 146468

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			10/21/13 19:11	1

Lab Sample ID: MB 480-146468/150
Matrix: Water
Analysis Batch: 146468

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			10/21/13 21:00	1

Lab Sample ID: LCS 480-146468/105
Matrix: Water
Analysis Batch: 146468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	52.43		mg/L		105	90 - 110

Lab Sample ID: LCS 480-146468/112
Matrix: Water
Analysis Batch: 146468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	52.94		mg/L		106	90 - 110

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: LCS 480-146468/149
Matrix: Water
Analysis Batch: 146468

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	50.0	51.20		mg/L		102	90 - 110

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146468

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	931		20.0	971.5	4	mg/L		203	42 - 116

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146468

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total	931		20.0	891.8	4	mg/L		-196	42 - 116	9	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-146729/219
Matrix: Water
Analysis Batch: 146729

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			10/22/13 16:55	1
Ammonia as NH3	ND		0.024	0.011	mg/L			10/22/13 16:55	1

Lab Sample ID: LCS 480-146729/220
Matrix: Water
Analysis Batch: 146729

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.968		mg/L		97	90 - 110
Ammonia as NH3	1.22	1.18		mg/L		96	90 - 110

Lab Sample ID: 480-48305-1 MS
Matrix: Water
Analysis Batch: 146729

Client Sample ID: EW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	2.3		0.400	2.37	4	mg/L		21	90 - 110
Ammonia as NH3	2.8		0.488	2.89	4	mg/L		21	90 - 110

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146729

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	ND		0.200	0.0845	F	mg/L		42	90 - 110
Ammonia as NH3	ND		0.244	0.103	F	mg/L		42	90 - 110

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 480-48305-3 MSD — **Client Sample ID: New MW**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 146729

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	ND		0.200	0.0824	F	mg/L		41	90 - 110	3	20
Ammonia as NH3	ND		0.244	0.100	F	mg/L		41	90 - 110	3	20

Lab Sample ID: 480-48305-3 DU — **Client Sample ID: New MW**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 146729

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	ND		ND		mg/L		NC	20
Ammonia as NH3	ND		ND		mg/L		NC	20

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-146156/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 146156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.020	mg/L			10/19/13 15:05	1

Lab Sample ID: LCS 480-146156/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 146156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	1.50	1.47		mg/L		98	90 - 110

Lab Sample ID: 480-48305-3 MS — **Client Sample ID: New MW**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 146156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrite as N	ND		1.00	0.961		mg/L		96	90 - 110

Lab Sample ID: 480-48305-3 MSD — **Client Sample ID: New MW**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 146156

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrite as N	ND		1.00	0.944		mg/L		94	90 - 110	2	20

Method: 410.4 - COD

Lab Sample ID: MB 480-147017/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 147017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			10/23/13 12:53	1

Method: 410.4 - COD (Continued)

Lab Sample ID: MB 480-147017/51
Matrix: Water
Analysis Batch: 147017

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			10/23/13 13:37	1

Lab Sample ID: LCS 480-147017/4
Matrix: Water
Analysis Batch: 147017

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	27.25		mg/L		109	90 - 110

Lab Sample ID: LCS 480-147017/52
Matrix: Water
Analysis Batch: 147017

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	26.30		mg/L		105	90 - 110

Lab Sample ID: MB 480-147406/3
Matrix: Water
Analysis Batch: 147406

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			10/24/13 20:40	1

Lab Sample ID: LCS 480-147406/4
Matrix: Water
Analysis Batch: 147406

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	27.25		mg/L		109	90 - 110

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 147406

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	14.3		50.0	66.36		mg/L		104	75 - 125

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 147406

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chemical Oxygen Demand	14.3		50.0	68.88		mg/L		109	75 - 125	4	20

Lab Sample ID: MB 480-147423/3
Matrix: Water
Analysis Batch: 147423

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			10/24/13 19:43	1

Lab Sample ID: LCS 480-147423/4
Matrix: Water
Analysis Batch: 147423

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	200	188.2		mg/L		94	90 - 110

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 480-146467/68
Matrix: Water
Analysis Batch: 146467

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.18	J	5.0	1.5	mg/L			10/21/13 18:10	1

Lab Sample ID: MB 480-146467/74
Matrix: Water
Analysis Batch: 146467

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.13	J	5.0	1.5	mg/L			10/21/13 19:02	1

Lab Sample ID: MB 480-146467/88
Matrix: Water
Analysis Batch: 146467

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	1.99	J	5.0	1.5	mg/L			10/21/13 20:11	1

Lab Sample ID: LCS 480-146467/67
Matrix: Water
Analysis Batch: 146467

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	29.19		mg/L		97	90 - 110

Lab Sample ID: LCS 480-146467/73
Matrix: Water
Analysis Batch: 146467

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	29.17		mg/L		97	90 - 110

Lab Sample ID: LCS 480-146467/87
Matrix: Water
Analysis Batch: 146467

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	30.0	29.16		mg/L		97	90 - 110

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146467

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	113	B	20.0	136.6	4	mg/L		120	60 - 128

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146467

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	113	B	20.0	137.1	4	mg/L		122	60 - 128	0	20

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-146977/51
Matrix: Water
Analysis Batch: 146977

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			10/22/13 18:16	1

Lab Sample ID: LCS 480-146977/52
Matrix: Water
Analysis Batch: 146977

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	60.0	59.32		mg/L		99	90 - 110

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146977

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	4.4		22.0	22.27		mg/L		81	54 - 131

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146977

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Organic Carbon	4.4		22.0	22.20		mg/L		81	54 - 131	0	20

Method: SM 2340C - Hardness, Total

Lab Sample ID: MB 480-148218/51
Matrix: Water
Analysis Batch: 148218

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	0.53	mg/L			10/28/13 23:47	1

Method: SM 2340C - Hardness, Total (Continued)

Lab Sample ID: LCS 480-148218/52
Matrix: Water
Analysis Batch: 148218

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	308	296.0		mg/L		96	90 - 110

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 148218

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	920		1000	1920		mg/L		100	74 - 130

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 148218

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hardness as calcium carbonate	920		1000	1920		mg/L		100	74 - 130	0	15

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-146478/1
Matrix: Water
Analysis Batch: 146478

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/22/13 01:27	1

Lab Sample ID: LCS 480-146478/2
Matrix: Water
Analysis Batch: 146478

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	484.0		mg/L		96	85 - 115

Lab Sample ID: MB 480-146479/1
Matrix: Water
Analysis Batch: 146479

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/22/13 02:06	1

Lab Sample ID: LCS 480-146479/2
Matrix: Water
Analysis Batch: 146479

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	493.0		mg/L		98	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 480-48305-3 DU
Matrix: Water
Analysis Batch: 146479

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1150			1172		mg/L				2	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-146154/1
Matrix: Water
Analysis Batch: 146154

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/13 17:47	1

Lab Sample ID: LCS 480-146154/2
Matrix: Water
Analysis Batch: 146154

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids			224	213.2		mg/L		95	88 - 110		

Lab Sample ID: 480-48305-1 DU
Matrix: Water
Analysis Batch: 146154

Client Sample ID: EW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	33.6			32.40		mg/L				4	15

Lab Sample ID: MB 480-146155/1
Matrix: Water
Analysis Batch: 146155

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/13 18:49	1

Lab Sample ID: LCS 480-146155/2
Matrix: Water
Analysis Batch: 146155

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids			224	213.2		mg/L		95	88 - 110		

Lab Sample ID: 480-48305-3 DU
Matrix: Water
Analysis Batch: 146155

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	ND			ND		mg/L				NC	15

Method: SM 4500 P E - Phosphorus

Lab Sample ID: MB 480-146469/27
Matrix: Water
Analysis Batch: 146469

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	ND		0.010	0.0050	mg/L			10/21/13 19:08	1
Phosphorus as PO4	ND		0.031	0.015	mg/L			10/21/13 19:08	1

Lab Sample ID: LCS 480-146469/28
Matrix: Water
Analysis Batch: 146469

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.200	0.212		mg/L		106	90 - 110
Phosphorus as PO4	0.613	0.651		mg/L		106	90 - 110

Lab Sample ID: 480-48305-2 MS
Matrix: Water
Analysis Batch: 146469

Client Sample ID: EW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	0.25		0.500	0.733		mg/L		96	52 - 148
Phosphorus as PO4	0.77		1.53	2.25		mg/L		96	52 - 148

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146469

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phosphorus	ND		0.500	0.521		mg/L		104	52 - 148
Phosphorus as PO4	ND		1.53	1.60		mg/L		104	52 - 148

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146469

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phosphorus	ND		0.500	0.521		mg/L		104	52 - 148	0	20
Phosphorus as PO4	ND		1.53	1.60		mg/L		104	52 - 148	0	20

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 480-146390/26
Matrix: Water
Analysis Batch: 146390

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: MB 480-146390/3
Matrix: Water
Analysis Batch: 146390

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		0.10	0.052	mg/L			10/21/13 07:00	1

Lab Sample ID: LCS 480-146390/27
Matrix: Water
Analysis Batch: 146390

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	0.750	0.769		mg/L		103	90 - 110

Lab Sample ID: LCS 480-146390/4
Matrix: Water
Analysis Batch: 146390

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	0.750	0.764		mg/L		102	90 - 110

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146390

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND		0.500	0.151	F	mg/L		30	90 - 110

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146390

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	ND		0.500	0.138	F	mg/L		28	90 - 110	9	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-146157/1 USB
Matrix: Water
Analysis Batch: 146157

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/19/13 09:43	1

Lab Sample ID: LCS 480-146157/2
Matrix: Water
Analysis Batch: 146157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	181.8		mg/L		92	85 - 115

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: 480-48305-3 MS
Matrix: Water
Analysis Batch: 146157

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	ND		198	148.7		mg/L		75	32 - 139

Lab Sample ID: 480-48305-3 MSD
Matrix: Water
Analysis Batch: 146157

Client Sample ID: New MW
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biochemical Oxygen Demand	ND		198	135.0		mg/L		68	32 - 139	10	20

GC/MS VOA

Analysis Batch: 147381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-2	EW-1	Total/NA	Water	8260C	
480-48305-3	New MW	Total/NA	Water	8260C	
480-48305-3 MS	New MW	Total/NA	Water	8260C	
480-48305-3 MSD	New MW	Total/NA	Water	8260C	
480-48305-4	Trip Blank	Total/NA	Water	8260C	
LCS 480-147381/3	Lab Control Sample	Total/NA	Water	8260C	
MB 480-147381/4	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 147688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	8260C	
LCS 480-147688/3	Lab Control Sample	Total/NA	Water	8260C	
MB 480-147688/4	Method Blank	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 146542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	3510C	
480-48305-2	EW-1	Total/NA	Water	3510C	
480-48305-3	New MW	Total/NA	Water	3510C	
480-48305-3 MS	New MW	Total/NA	Water	3510C	
480-48305-3 MSD	New MW	Total/NA	Water	3510C	
LCS 480-146542/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-146542/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 147078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	8270D	146542
480-48305-2	EW-1	Total/NA	Water	8270D	146542
480-48305-3	New MW	Total/NA	Water	8270D	146542
480-48305-3 MS	New MW	Total/NA	Water	8270D	146542
480-48305-3 MSD	New MW	Total/NA	Water	8270D	146542
LCS 480-146542/2-A	Lab Control Sample	Total/NA	Water	8270D	146542
MB 480-146542/1-A	Method Blank	Total/NA	Water	8270D	146542

GC VOA

Analysis Batch: 147508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	RSK-175	
480-48305-2	EW-1	Total/NA	Water	RSK-175	
480-48305-3	New MW	Total/NA	Water	RSK-175	
480-48305-3 MS	New MW	Total/NA	Water	RSK-175	
480-48305-3 MSD	New MW	Total/NA	Water	RSK-175	
LCS 480-147508/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-147508/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
MB 480-147508/2	Method Blank	Total/NA	Water	RSK-175	

GC Semi VOA

Prep Batch: 146407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	3510C	
480-48305-2	EW-1	Total/NA	Water	3510C	
480-48305-3	New MW	Total/NA	Water	3510C	
480-48305-3 MS	New MW	Total/NA	Water	3510C	
480-48305-3 MSD	New MW	Total/NA	Water	3510C	
LCS 480-146407/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 480-146407/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 146500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	8082A	146407
480-48305-3	New MW	Total/NA	Water	8082A	146407
480-48305-3 MS	New MW	Total/NA	Water	8082A	146407
480-48305-3 MSD	New MW	Total/NA	Water	8082A	146407
LCS 480-146407/2-A	Lab Control Sample	Total/NA	Water	8082A	146407
MB 480-146407/1-A	Method Blank	Total/NA	Water	8082A	146407

Analysis Batch: 146788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-2	EW-1	Total/NA	Water	8082A	146407

Metals

Prep Batch: 146114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	3005A	
480-48305-2	EW-1	Total/NA	Water	3005A	
480-48305-3	New MW	Total/NA	Water	3005A	
480-48305-3 MS	New MW	Total/NA	Water	3005A	
480-48305-3 MSD	New MW	Total/NA	Water	3005A	
LCS 480-146114/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-146114/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 146259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	7470A	
480-48305-2	EW-1	Total/NA	Water	7470A	
480-48305-3	New MW	Total/NA	Water	7470A	
480-48305-3 MS	New MW	Total/NA	Water	7470A	
480-48305-3 MSD	New MW	Total/NA	Water	7470A	
LCS 480-146259/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-146259/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 146423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	7470A	146259
480-48305-2	EW-1	Total/NA	Water	7470A	146259
480-48305-3	New MW	Total/NA	Water	7470A	146259
480-48305-3 MS	New MW	Total/NA	Water	7470A	146259
480-48305-3 MSD	New MW	Total/NA	Water	7470A	146259

Metals (Continued)

Analysis Batch: 146423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-146259/2-A	Lab Control Sample	Total/NA	Water	7470A	146259
MB 480-146259/1-A	Method Blank	Total/NA	Water	7470A	146259

Analysis Batch: 147814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	6010C	146114
480-48305-2	EW-1	Total/NA	Water	6010C	146114
480-48305-3	New MW	Total/NA	Water	6010C	146114
480-48305-3 MS	New MW	Total/NA	Water	6010C	146114
480-48305-3 MSD	New MW	Total/NA	Water	6010C	146114
LCS 480-146114/2-A	Lab Control Sample	Total/NA	Water	6010C	146114
MB 480-146114/1-A	Method Blank	Total/NA	Water	6010C	146114

General Chemistry

Analysis Batch: 146154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	SM 2540D	
480-48305-1 DU	EW-4	Total/NA	Water	SM 2540D	
480-48305-2	EW-1	Total/NA	Water	SM 2540D	
LCS 480-146154/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-146154/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 146155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-3	New MW	Total/NA	Water	SM 2540D	
480-48305-3 DU	New MW	Total/NA	Water	SM 2540D	
LCS 480-146155/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-146155/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 146156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	353.2	
480-48305-2	EW-1	Total/NA	Water	353.2	
480-48305-3	New MW	Total/NA	Water	353.2	
480-48305-3 MS	New MW	Total/NA	Water	353.2	
480-48305-3 MSD	New MW	Total/NA	Water	353.2	
LCS 480-146156/4	Lab Control Sample	Total/NA	Water	353.2	
MB 480-146156/3	Method Blank	Total/NA	Water	353.2	

Analysis Batch: 146157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	SM 5210B	
480-48305-2	EW-1	Total/NA	Water	SM 5210B	
480-48305-3	New MW	Total/NA	Water	SM 5210B	
480-48305-3 MS	New MW	Total/NA	Water	SM 5210B	
480-48305-3 MSD	New MW	Total/NA	Water	SM 5210B	
LCS 480-146157/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-146157/1 USB	Method Blank	Total/NA	Water	SM 5210B	

General Chemistry (Continued)

Analysis Batch: 146160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	353.2	
480-48305-2	EW-1	Total/NA	Water	353.2	
480-48305-3	New MW	Total/NA	Water	353.2	

Analysis Batch: 146390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	SM 4500 S2 D	
480-48305-2	EW-1	Total/NA	Water	SM 4500 S2 D	
480-48305-3	New MW	Total/NA	Water	SM 4500 S2 D	
480-48305-3 MS	New MW	Total/NA	Water	SM 4500 S2 D	
480-48305-3 MSD	New MW	Total/NA	Water	SM 4500 S2 D	
LCS 480-146390/27	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCS 480-146390/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
MB 480-146390/26	Method Blank	Total/NA	Water	SM 4500 S2 D	
MB 480-146390/3	Method Blank	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 146467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	9038	
480-48305-2	EW-1	Total/NA	Water	9038	
480-48305-3	New MW	Total/NA	Water	9038	
480-48305-3 MS	New MW	Total/NA	Water	9038	
480-48305-3 MSD	New MW	Total/NA	Water	9038	
LCS 480-146467/67	Lab Control Sample	Total/NA	Water	9038	
LCS 480-146467/73	Lab Control Sample	Total/NA	Water	9038	
LCS 480-146467/87	Lab Control Sample	Total/NA	Water	9038	
MB 480-146467/68	Method Blank	Total/NA	Water	9038	
MB 480-146467/74	Method Blank	Total/NA	Water	9038	
MB 480-146467/88	Method Blank	Total/NA	Water	9038	

Analysis Batch: 146468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	310.2	
480-48305-2	EW-1	Total/NA	Water	310.2	
480-48305-3	New MW	Total/NA	Water	310.2	
480-48305-3 MS	New MW	Total/NA	Water	310.2	
480-48305-3 MSD	New MW	Total/NA	Water	310.2	
LCS 480-146468/105	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-146468/112	Lab Control Sample	Total/NA	Water	310.2	
LCS 480-146468/149	Lab Control Sample	Total/NA	Water	310.2	
MB 480-146468/106	Method Blank	Total/NA	Water	310.2	
MB 480-146468/113	Method Blank	Total/NA	Water	310.2	
MB 480-146468/150	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 146469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	SM 4500 P E	
480-48305-2	EW-1	Total/NA	Water	SM 4500 P E	
480-48305-2 MS	EW-1	Total/NA	Water	SM 4500 P E	
480-48305-3	New MW	Total/NA	Water	SM 4500 P E	
480-48305-3 MS	New MW	Total/NA	Water	SM 4500 P E	

General Chemistry (Continued)

Analysis Batch: 146469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-3 MSD	New MW	Total/NA	Water	SM 4500 P E	
LCS 480-146469/28	Lab Control Sample	Total/NA	Water	SM 4500 P E	
MB 480-146469/27	Method Blank	Total/NA	Water	SM 4500 P E	

Analysis Batch: 146478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	SM 2540C	
480-48305-2	EW-1	Total/NA	Water	SM 2540C	
LCS 480-146478/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-146478/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 146479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-3	New MW	Total/NA	Water	SM 2540C	
480-48305-3 DU	New MW	Total/NA	Water	SM 2540C	
LCS 480-146479/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-146479/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 146729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	350.1	
480-48305-1 MS	EW-4	Total/NA	Water	350.1	
480-48305-2	EW-1	Total/NA	Water	350.1	
480-48305-3	New MW	Total/NA	Water	350.1	
480-48305-3 DU	New MW	Total/NA	Water	350.1	
480-48305-3 MS	New MW	Total/NA	Water	350.1	
480-48305-3 MSD	New MW	Total/NA	Water	350.1	
LCS 480-146729/220	Lab Control Sample	Total/NA	Water	350.1	
MB 480-146729/219	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 146977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	9060A	
480-48305-2	EW-1	Total/NA	Water	9060A	
480-48305-3	New MW	Total/NA	Water	9060A	
480-48305-3 MS	New MW	Total/NA	Water	9060A	
480-48305-3 MSD	New MW	Total/NA	Water	9060A	
LCS 480-146977/52	Lab Control Sample	Total/NA	Water	9060A	
MB 480-146977/51	Method Blank	Total/NA	Water	9060A	

Analysis Batch: 147017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	410.4	
LCS 480-147017/4	Lab Control Sample	Total/NA	Water	410.4	
LCS 480-147017/52	Lab Control Sample	Total/NA	Water	410.4	
MB 480-147017/3	Method Blank	Total/NA	Water	410.4	
MB 480-147017/51	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 147406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-3	New MW	Total/NA	Water	410.4	

General Chemistry (Continued)

Analysis Batch: 147406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-3 MS	New MW	Total/NA	Water	410.4	
480-48305-3 MSD	New MW	Total/NA	Water	410.4	
LCS 480-147406/4	Lab Control Sample	Total/NA	Water	410.4	
MB 480-147406/3	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 147423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-2	EW-1	Total/NA	Water	410.4	
LCS 480-147423/4	Lab Control Sample	Total/NA	Water	410.4	
MB 480-147423/3	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 148218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-48305-1	EW-4	Total/NA	Water	SM 2340C	
480-48305-2	EW-1	Total/NA	Water	SM 2340C	
480-48305-3	New MW	Total/NA	Water	SM 2340C	
480-48305-3 MS	New MW	Total/NA	Water	SM 2340C	
480-48305-3 MSD	New MW	Total/NA	Water	SM 2340C	
LCS 480-148218/52	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 480-148218/51	Method Blank	Total/NA	Water	SM 2340C	

Client Sample ID: EW-4

Lab Sample ID: 480-48305-1

Date Collected: 10/18/13 10:30

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147688	10/25/13 22:53	LCH	TAL BUF
Total/NA	Prep	3510C			146542	10/22/13 08:07	MNF	TAL BUF
Total/NA	Analysis	8270D		1	147078	10/24/13 06:10	RMM	TAL BUF
Total/NA	Analysis	RSK-175		100	147508	10/25/13 15:14	CMD	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		1	146500	10/22/13 17:39	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:12	JRK	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 20:54	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	146154	10/21/13 18:09	KS	TAL BUF
Total/NA	Analysis	353.2		1	146156	10/19/13 15:19	KMF	TAL BUF
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	353.2		1	146160	10/19/13 15:19	KMF	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	9038		1	146467	10/21/13 19:02	NCH	TAL BUF
Total/NA	Analysis	310.2		5	146468	10/21/13 19:20	NCH	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146478	10/22/13 01:42	KS	TAL BUF
Total/NA	Analysis	350.1		2	146729	10/22/13 17:03	KMF	TAL BUF
Total/NA	Analysis	9060A		1	146977	10/23/13 00:49	KRC	TAL BUF
Total/NA	Analysis	410.4		1	147017	10/23/13 13:00	KJ1	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: EW-1

Lab Sample ID: 480-48305-2

Date Collected: 10/18/13 13:00

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	147381	10/25/13 00:28	NQN	TAL BUF
Total/NA	Prep	3510C			146542	10/22/13 08:07	MNF	TAL BUF
Total/NA	Analysis	8270D		1	147078	10/24/13 06:37	RMM	TAL BUF
Total/NA	Analysis	RSK-175		100	147508	10/25/13 15:31	CMD	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		50	146788	10/23/13 06:15	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:14	JRK	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 20:57	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	146154	10/21/13 18:11	KS	TAL BUF
Total/NA	Analysis	353.2		1	146156	10/19/13 15:21	KMF	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: EW-1

Lab Sample ID: 480-48305-2

Date Collected: 10/18/13 13:00

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	353.2		1	146160	10/19/13 15:21	KMF	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	9038		1	146467	10/21/13 19:02	NCH	TAL BUF
Total/NA	Analysis	310.2		15	146468	10/21/13 19:20	NCH	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146478	10/22/13 01:44	KS	TAL BUF
Total/NA	Analysis	350.1		100	146729	10/22/13 17:07	KMF	TAL BUF
Total/NA	Analysis	9060A		1	146977	10/23/13 01:19	KRC	TAL BUF
Total/NA	Analysis	410.4		1	147423	10/24/13 19:43	JMB	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Client Sample ID: New MW

Lab Sample ID: 480-48305-3

Date Collected: 10/18/13 10:50

Matrix: Water

Date Received: 10/19/13 00:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147381	10/25/13 00:51	NQN	TAL BUF
Total/NA	Prep	3510C			146542	10/22/13 08:07	MNF	TAL BUF
Total/NA	Analysis	8270D		1	147078	10/24/13 07:03	RMM	TAL BUF
Total/NA	Analysis	RSK-175		1	147508	10/25/13 15:48	CMD	TAL BUF
Total/NA	Prep	3510C			146407	10/21/13 14:54	JRL	TAL BUF
Total/NA	Analysis	8082A		1	146500	10/22/13 18:42	JMM	TAL BUF
Total/NA	Prep	7470A			146259	10/21/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	146423	10/21/13 14:15	JRK	TAL BUF
Total/NA	Prep	3005A			146114	10/21/13 08:25	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	147814	10/25/13 20:59	LMH	TAL BUF
Total/NA	Analysis	SM 2540D		1	146155	10/21/13 18:53	KS	TAL BUF
Total/NA	Analysis	353.2		1	146156	10/19/13 15:22	KMF	TAL BUF
Total/NA	Analysis	SM 5210B		1	146157	10/19/13 09:43	KJ1	TAL BUF
Total/NA	Analysis	353.2		1	146160	10/19/13 15:22	KMF	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	146390	10/21/13 07:00	LAW	TAL BUF
Total/NA	Analysis	9038		5	146467	10/21/13 20:29	NCH	TAL BUF
Total/NA	Analysis	310.2		50	146468	10/21/13 21:11	NCH	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146469	10/21/13 19:08	CLT	TAL BUF
Total/NA	Analysis	SM 2540C		1	146479	10/22/13 02:31	KS	TAL BUF
Total/NA	Analysis	350.1		1	146729	10/22/13 17:08	KMF	TAL BUF
Total/NA	Analysis	9060A		1	146977	10/23/13 01:50	KRC	TAL BUF
Total/NA	Analysis	410.4		1	147406	10/24/13 20:40	JMB	TAL BUF
Total/NA	Analysis	SM 2340C		1	148218	10/28/13 23:47	KWJ	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Client Sample ID: Trip Blank
Date Collected: 10/18/13 00:00
Date Received: 10/19/13 00:15

Lab Sample ID: 480-48305-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147381	10/25/13 02:02	NQN	TAL BUF

Laboratory References:

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

Certification Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

Method Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
410.4	COD	MCAWW	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
SM 2340C	Hardness, Total	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48305-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-48305-1	EW-4	Water	10/18/13 10:30	10/19/13 00:15
480-48305-2	EW-1	Water	10/18/13 13:00	10/19/13 00:15
480-48305-3	New MW	Water	10/18/13 10:50	10/19/13 00:15
480-48305-4	Trip Blank	Water	10/18/13 00:00	10/19/13 00:15

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact	Sampler: Karen Carling	Site Contact: Karen Carling	Date:	COC No: 001
Karen Carling	Tel/Fax: (518)885-5383	Lab Contact: Sally Hoffman	Carrier:	_____ of _____ COCs
Aztech Technologies, Inc	**Analysis Turnaround Time**			Job No.
5 McCrea Hill Road	Calendar (C) or Work Days (W) _____			
Ballston Spa, NY 12020	Standard			SDG No.
Project Name: Fort Edward Landfill #558001				
NYSDEC Call Out # 120794				
Project Number: 48004992				

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	350.1, 410.4, 4500_P_E	6010B, 7470A	2340C - Hardness as calcium carbonate	8260B - TCL list OLM04.2	9060- Total Organic Carbon	RSK_175 - Methane	8082 - TCL PCBs - OLM04.2	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	2540D - Total Suspended Solids	SM4500_S2_D - Sulfide	353.2, 353.2_Nitrite, 9038, Nitrate_Calc	310.2 - Alkalinity, Total	8270C - (MOD) TCL SVOA - OLM04.2	Sample Specific Notes:
EW-4	10-18-13	10:30	G	GW	22		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
EW-1	10-18-13	11:00	G	GW	22		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
New Mw	[illegible]													-	-	-	-	✓	✓	-	
MS	[illegible]						-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MSD	[illegible]						-	✓	✓	✓	✓	✓	✓		✓	✓	✓	-	-	-	
Trip Blank																					

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Non-Hazard *Flammable* *Skin Irritant* *Poison B* *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client *Disposal By Lab* *Archive For* _____ Mo

Special Instructions/QC Requirements & Comments:

2.4, 3.0, 2.8, 2.1, 2.6, 2.6, 2.7

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Aztech	10/18/13 2:35	[signature]	Aztech	10/18/2013 2:35
Relinquished by: [signature]	Company: Aztech	Date/Time: 10/18/13 1605	Received by: [signature]	Company: TA	Date/Time: 10/18/13 16:05
Relinquished by: [signature]	Company: TA	Date/Time: 10/18/13	Received by: [signature]	Company: TA	Date/Time: 10.9.13 00:15

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-48305-1

Login Number: 48305

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-48459-1
Client Project/Site: Fort Edward Site #558001

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

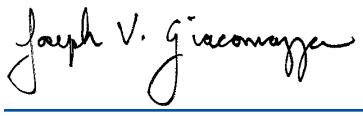
Joseph V. Giacomazza

Authorized for release by:
11/12/2013 12:59:29 PM
Joe Giacomazza, Project Administrator
joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman, Project Manager II
(716)504-9839
sally.hoffman@testamericainc.com

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.



Joe Giacomazza
Project Administrator
11/12/2013 12:59:29 PM

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
b	Result Detected in the Unseeded Control blank (USB).
B	Compound was found in the blank and sample.

Glossary

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

Job ID: 480-48459-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-48459-1

Receipt
The samples were received on 10/23/2013 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 2.6º C.

GC/MS VOA
Method(s) 8260C: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: EW-2 (480-48459-1), EW-3 (480-48459-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 147782 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260C: The continuing calibration verification (CCV) for analytical batch 147782 recovered outside control limits for 1,2,-Dibromo-3-Chloropropane, Bromoform, Dichlorodifluoromethane. The data have been qualified and reported.

Method(s) 8260C: The Laboratory Control Sample (LCS) recovery was above TestAmerica's statistically developed internal laboratory QC limits, for 1,2,4-Trichlorobenzene. This analyte was not a requested spiking compound; therefore the recovery is being reported for advisory purposes only. All other quality control indicators, including the continuing calibration verification, were within method prescribed limits for this analyte. (LCS 480-147782/5).

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: The following sample contained one acid and/or one base surrogate outside acceptance limits: EW-2 (480-48459-1), EW-3 (480-48459-2). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC VOA
Method(s) RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-2 (480-48459-1), EW-3 (480-48459-2), UI-MW-4 (480-48459-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method(s) 6010C: The Method Blank for batch 480-146820 contained total zinc above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples EW-2 (480-48459-1), EW-3 (480-48459-2), UI-MW-4 (480-48459-3) was not performed.

No other analytical or quality issues were noted.

General Chemistry
Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: UI-MW-4 (480-48459-3). The reporting limits (RLs) have been adjusted proportionately.

Method(s) SM 2540D: Due to the matrix, the initial volume(s) used for the following sample(s) deviated from the standard procedure: EW-3 (480-48459-2). The reporting limits (RLs) have been adjusted proportionately.

Job ID: 480-48459-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 353.2: The method blank for batch 146901 contained Nitrates above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. EW-2 (480-48459-1), UI-MW-4 (480-48459-3)

Method(s) SM 5210B: The USB dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results are reported. (USB 480-147048/1)

Method(s) SM 5210B: All of the dilutions overdepleted for the following sample(s): EW-2 (480-48459-1). Only a "greater than" result could be calculated from the most dilute preparation.

Method(s) 9038, D516-90, 02: The matrix spike (MS) recoveries for batch 147082 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-48459-1 MS)

Method(s) 9038, D516-90, 02: The method blank for batch 147082 contained SUlfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.EW-2 (480-48459-1), UI-MW-4 (480-48459-3)

Method(s) 9038, D516-90, 02: The results reported for the following sample(s) do not concur with results previously reported for this site: EW-3 (480-48459-2). Reanalysis was performed, and the result(s) confirmed.

Method(s) 9038, D516-90, 02: The method blank for batch 147408 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.EW-3 (480-48459-2)

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-2
Date Collected: 10/21/13 10:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/26/13 15:14	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/26/13 15:14	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/26/13 15:14	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/26/13 15:14	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/26/13 15:14	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/26/13 15:14	4
1,2,4-Trichlorobenzene	ND	*	4.0	1.6	ug/L			10/26/13 15:14	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/26/13 15:14	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/26/13 15:14	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/26/13 15:14	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/26/13 15:14	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/26/13 15:14	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/26/13 15:14	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/26/13 15:14	4
2-Hexanone	ND		20	5.0	ug/L			10/26/13 15:14	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/26/13 15:14	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/26/13 15:14	4
Acetone	ND		40	12	ug/L			10/26/13 15:14	4
Benzene	**5.2**		4.0	1.6	ug/L			10/26/13 15:14	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/26/13 15:14	4
Bromoform	ND		4.0	1.0	ug/L			10/26/13 15:14	4
Bromomethane	ND		4.0	2.8	ug/L			10/26/13 15:14	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/26/13 15:14	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/26/13 15:14	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/26/13 15:14	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/26/13 15:14	4
Chloroethane	ND		4.0	1.3	ug/L			10/26/13 15:14	4
Chloroform	ND		4.0	1.4	ug/L			10/26/13 15:14	4
Chloromethane	ND		4.0	1.4	ug/L			10/26/13 15:14	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			10/26/13 15:14	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/26/13 15:14	4
Cyclohexane	ND		4.0	0.72	ug/L			10/26/13 15:14	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/26/13 15:14	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/26/13 15:14	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/26/13 15:14	4
Methyl acetate	ND		4.0	2.0	ug/L			10/26/13 15:14	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/26/13 15:14	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/26/13 15:14	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/26/13 15:14	4
Styrene	ND		4.0	2.9	ug/L			10/26/13 15:14	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/26/13 15:14	4
Toluene	ND		4.0	2.0	ug/L			10/26/13 15:14	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/26/13 15:14	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/26/13 15:14	4
Trichloroethene	ND		4.0	1.8	ug/L			10/26/13 15:14	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/26/13 15:14	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/26/13 15:14	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/26/13 15:14	4

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-2
Date Collected: 10/21/13 10:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		10/26/13 15:14	4
Toluene-d8 (Surr)	101		71 - 126		10/26/13 15:14	4
4-Bromofluorobenzene (Surr)	98		73 - 120		10/26/13 15:14	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/25/13 08:00	10/29/13 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		52 - 132	10/25/13 08:00	10/29/13 06:09	1
2-Fluorobiphenyl	84		48 - 120	10/25/13 08:00	10/29/13 06:09	1
2-Fluorophenol	48		20 - 120	10/25/13 08:00	10/29/13 06:09	1
Nitrobenzene-d5	81		46 - 120	10/25/13 08:00	10/29/13 06:09	1
p-Terphenyl-d14	65	X	67 - 150	10/25/13 08:00	10/29/13 06:09	1
Phenol-d5	32		16 - 120	10/25/13 08:00	10/29/13 06:09	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**9400**		400	22	ug/L			10/28/13 08:52	100

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:13	1
PCB-1221	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:13	1
PCB-1232	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:13	1
PCB-1242	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:13	1
PCB-1248	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:13	1
PCB-1254	ND		0.46	0.23	ug/L		10/25/13 08:27	10/27/13 21:13	1
PCB-1260	ND		0.46	0.23	ug/L		10/25/13 08:27	10/27/13 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		19 - 126	10/25/13 08:27	10/27/13 21:13	1
Tetrachloro-m-xylene	60		23 - 127	10/25/13 08:27	10/27/13 21:13	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/13 08:40	10/29/13 19:02	1
Antimony	ND		0.020	0.0068	mg/L		10/23/13 08:40	10/29/13 19:02	1
Arsenic	**0.029**		0.010	0.0056	mg/L		10/23/13 08:40	10/29/13 19:02	1
Barium	**0.17**		0.0020	0.00070	mg/L		10/23/13 08:40	10/30/13 20:58	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/13 08:40	10/29/13 19:02	1
Cadmium	ND		0.0010	0.00050	mg/L		10/23/13 08:40	10/29/13 19:02	1
Calcium	**110**		0.50	0.10	mg/L		10/23/13 08:40	10/29/13 19:02	1
Chromium	ND		0.0040	0.0010	mg/L		10/23/13 08:40	10/29/13 19:02	1
Cobalt	**0.0016**	**J**	0.0040	0.00063	mg/L		10/23/13 08:40	10/29/13 19:02	1
Copper	**0.0019**	**J**	0.010	0.0016	mg/L		10/23/13 08:40	10/30/13 20:58	1
Iron	**27.8**		0.050	0.019	mg/L		10/23/13 08:40	10/29/13 19:02	1
Lead	**0.0035**	**J**	0.0050	0.0030	mg/L		10/23/13 08:40	10/29/13 19:02	1
Magnesium	**39.7**		0.20	0.043	mg/L		10/23/13 08:40	10/29/13 19:02	1
Manganese	**0.57**		0.0030	0.00040	mg/L		10/23/13 08:40	10/29/13 19:02	1
Nickel	**0.0086**	**J**	0.010	0.0013	mg/L		10/23/13 08:40	10/29/13 19:02	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-2
Date Collected: 10/21/13 10:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-1
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	4.5		0.50	0.10	mg/L		10/23/13 08:40	10/30/13 20:58	1
Selenium	ND		0.015	0.0087	mg/L		10/23/13 08:40	10/29/13 19:02	1
Silver	ND		0.0030	0.0017	mg/L		10/23/13 08:40	10/29/13 19:02	1
Sodium	103		1.0	0.32	mg/L		10/23/13 08:40	10/29/13 19:02	1
Thallium	ND		0.020	0.010	mg/L		10/23/13 08:40	10/29/13 19:02	1
Vanadium	ND		0.0050	0.0015	mg/L		10/23/13 08:40	10/29/13 19:02	1
Zinc	0.0066	J B	0.010	0.0015	mg/L		10/23/13 08:40	10/29/13 19:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/23/13 08:40	10/23/13 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	437		100	40.0	mg/L			10/23/13 15:50	10
Ammonia	1.8		0.020	0.0090	mg/L			10/24/13 15:41	1
Ammonia as NH3	2.2		0.024	0.011	mg/L			10/24/13 15:41	1
Nitrate as N	0.021	J	0.050	0.020	mg/L			10/23/13 09:15	1
Nitrite as N	ND		0.050	0.020	mg/L			10/23/13 09:15	1
Chemical Oxygen Demand	96.0		10.0	5.0	mg/L			10/24/13 13:33	1
Sulfate	3.2	J B	5.0	1.5	mg/L			10/23/13 15:45	1
Total Organic Carbon	27.2		1.0	0.43	mg/L			10/24/13 12:45	1
Hardness as calcium carbonate	560		10.0	2.6	mg/L			10/30/13 00:25	1
Total Dissolved Solids	744		10.0	4.0	mg/L			10/23/13 16:54	1
Phosphorus	0.33		0.010	0.0050	mg/L			10/26/13 10:00	1
Phosphorus as PO4	1.0		0.031	0.015	mg/L			10/26/13 10:00	1
Sulfide	ND		0.10	0.052	mg/L			10/24/13 11:15	1
Biochemical Oxygen Demand	>16.17	b	2.0	2.0	mg/L			10/23/13 09:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	24.0		4.0	4.0	mg/L			10/23/13 21:09	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-3
Date Collected: 10/21/13 11:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/26/13 15:36	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/26/13 15:36	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/26/13 15:36	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/26/13 15:36	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/26/13 15:36	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/26/13 15:36	4
1,2,4-Trichlorobenzene	ND	*	4.0	1.6	ug/L			10/26/13 15:36	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/26/13 15:36	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/26/13 15:36	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/26/13 15:36	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/26/13 15:36	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/26/13 15:36	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/26/13 15:36	4
1,4-Dichlorobenzene	**7.1**		4.0	3.4	ug/L			10/26/13 15:36	4
2-Hexanone	**15**	**J**	20	5.0	ug/L			10/26/13 15:36	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/26/13 15:36	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/26/13 15:36	4
Acetone	ND		40	12	ug/L			10/26/13 15:36	4
Benzene	**6.2**		4.0	1.6	ug/L			10/26/13 15:36	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/26/13 15:36	4
Bromoform	ND		4.0	1.0	ug/L			10/26/13 15:36	4
Bromomethane	ND		4.0	2.8	ug/L			10/26/13 15:36	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/26/13 15:36	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/26/13 15:36	4
Chlorobenzene	**45**		4.0	3.0	ug/L			10/26/13 15:36	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/26/13 15:36	4
Chloroethane	ND		4.0	1.3	ug/L			10/26/13 15:36	4
Chloroform	ND		4.0	1.4	ug/L			10/26/13 15:36	4
Chloromethane	ND		4.0	1.4	ug/L			10/26/13 15:36	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			10/26/13 15:36	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/26/13 15:36	4
Cyclohexane	ND		4.0	0.72	ug/L			10/26/13 15:36	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/26/13 15:36	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/26/13 15:36	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/26/13 15:36	4
Methyl acetate	ND		4.0	2.0	ug/L			10/26/13 15:36	4
Methyl tert-butyl ether	**0.92**	**J**	4.0	0.64	ug/L			10/26/13 15:36	4
Methylcyclohexane	**1.0**	**J**	4.0	0.64	ug/L			10/26/13 15:36	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/26/13 15:36	4
Styrene	ND		4.0	2.9	ug/L			10/26/13 15:36	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/26/13 15:36	4
Toluene	ND		4.0	2.0	ug/L			10/26/13 15:36	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/26/13 15:36	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/26/13 15:36	4
Trichloroethene	ND		4.0	1.8	ug/L			10/26/13 15:36	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/26/13 15:36	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/26/13 15:36	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/26/13 15:36	4

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-3
Date Collected: 10/21/13 11:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		10/26/13 15:36	4
Toluene-d8 (Surr)	102		71 - 126		10/26/13 15:36	4
4-Bromofluorobenzene (Surr)	100		73 - 120		10/26/13 15:36	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.6	0.36	ug/L		10/25/13 08:00	10/29/13 06:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	102		52 - 132	10/25/13 08:00	10/29/13 06:37	1
2-Fluorobiphenyl	81		48 - 120	10/25/13 08:00	10/29/13 06:37	1
2-Fluorophenol	47		20 - 120	10/25/13 08:00	10/29/13 06:37	1
Nitrobenzene-d5	79		46 - 120	10/25/13 08:00	10/29/13 06:37	1
p-Terphenyl-d14	60	X	67 - 150	10/25/13 08:00	10/29/13 06:37	1
Phenol-d5	32		16 - 120	10/25/13 08:00	10/29/13 06:37	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**7300**		400	22	ug/L			10/28/13 08:35	100

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.16	ug/L		10/25/13 08:27	10/27/13 21:29	1
PCB-1221	**2.9**		0.47	0.16	ug/L		10/25/13 08:27	10/27/13 21:29	1
PCB-1232	ND		0.47	0.16	ug/L		10/25/13 08:27	10/27/13 21:29	1
PCB-1242	ND		0.47	0.16	ug/L		10/25/13 08:27	10/27/13 21:29	1
PCB-1248	ND		0.47	0.16	ug/L		10/25/13 08:27	10/27/13 21:29	1
PCB-1254	ND		0.47	0.23	ug/L		10/25/13 08:27	10/27/13 21:29	1
PCB-1260	ND		0.47	0.23	ug/L		10/25/13 08:27	10/27/13 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	41		19 - 126	10/25/13 08:27	10/27/13 21:29	1
Tetrachloro-m-xylene	70		23 - 127	10/25/13 08:27	10/27/13 21:29	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/23/13 08:40	10/29/13 19:04	1
Antimony	ND		0.020	0.0068	mg/L		10/23/13 08:40	10/29/13 19:04	1
Arsenic	ND		0.010	0.0056	mg/L		10/23/13 08:40	10/29/13 19:04	1
Barium	**0.40**		0.0020	0.00070	mg/L		10/23/13 08:40	10/30/13 21:00	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/13 08:40	10/29/13 19:04	1
Cadmium	ND		0.0010	0.00050	mg/L		10/23/13 08:40	10/29/13 19:04	1
Calcium	**87.0**		0.50	0.10	mg/L		10/23/13 08:40	10/29/13 19:04	1
Chromium	**0.0054**		0.0040	0.0010	mg/L		10/23/13 08:40	10/29/13 19:04	1
Cobalt	**0.0096**		0.0040	0.00063	mg/L		10/23/13 08:40	10/29/13 19:04	1
Copper	**0.0065**	**J**	0.010	0.0016	mg/L		10/23/13 08:40	10/30/13 21:00	1
Iron	**33.8**		0.050	0.019	mg/L		10/23/13 08:40	10/29/13 19:04	1
Lead	ND		0.0050	0.0030	mg/L		10/23/13 08:40	10/29/13 19:04	1
Magnesium	**45.3**		0.20	0.043	mg/L		10/23/13 08:40	10/29/13 19:04	1
Manganese	**0.16**		0.0030	0.00040	mg/L		10/23/13 08:40	10/29/13 19:04	1
Nickel	**0.017**		0.010	0.0013	mg/L		10/23/13 08:40	10/29/13 19:04	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-3
Date Collected: 10/21/13 11:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-2
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	72.1		0.50	0.10	mg/L		10/23/13 08:40	10/30/13 21:00	1
Selenium	ND		0.015	0.0087	mg/L		10/23/13 08:40	10/29/13 19:04	1
Silver	ND		0.0030	0.0017	mg/L		10/23/13 08:40	10/29/13 19:04	1
Sodium	173		1.0	0.32	mg/L		10/23/13 08:40	10/29/13 19:04	1
Thallium	ND		0.020	0.010	mg/L		10/23/13 08:40	10/29/13 19:04	1
Vanadium	0.012		0.0050	0.0015	mg/L		10/23/13 08:40	10/29/13 19:04	1
Zinc	0.032	B	0.010	0.0015	mg/L		10/23/13 08:40	10/29/13 19:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/23/13 08:40	10/23/13 14:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	1130		150	60.0	mg/L			10/23/13 15:50	15
Ammonia	102		2.0	0.90	mg/L			10/24/13 15:42	100
Ammonia as NH3	124		2.4	1.1	mg/L			10/24/13 15:42	100
Nitrate as N	ND		0.050	0.020	mg/L			10/23/13 09:16	1
Nitrite as N	ND		0.050	0.020	mg/L			10/23/13 09:16	1
Chemical Oxygen Demand	202		10.0	5.0	mg/L			10/28/13 19:10	1
Sulfate	5.6	B	5.0	1.5	mg/L			10/24/13 14:34	1
Total Organic Carbon	53.4		1.0	0.43	mg/L			10/24/13 13:17	1
Hardness as calcium carbonate	430		10.0	2.6	mg/L			10/30/13 00:25	1
Total Dissolved Solids	994		10.0	4.0	mg/L			10/25/13 12:29	1
Phosphorus	0.30		0.010	0.0050	mg/L			10/23/13 11:10	1
Phosphorus as PO4	0.92		0.031	0.015	mg/L			10/23/13 11:10	1
Sulfide	ND		0.10	0.052	mg/L			10/24/13 11:15	1
Biochemical Oxygen Demand	11.2	b	2.0	2.0	mg/L			10/23/13 09:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	42.7		6.7	6.7	mg/L			10/23/13 21:09	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: UI-MW-4
Date Collected: 10/21/13 13:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/13 15:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/13 15:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/13 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/26/13 15:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/13 15:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/13 15:58	1
1,2,4-Trichlorobenzene	ND	*	1.0	0.41	ug/L			10/26/13 15:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/26/13 15:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/26/13 15:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/26/13 15:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/13 15:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/13 15:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/26/13 15:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/26/13 15:58	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/13 15:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/13 15:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/13 15:58	1
Acetone	ND		10	3.0	ug/L			10/26/13 15:58	1
Benzene	ND		1.0	0.41	ug/L			10/26/13 15:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/13 15:58	1
Bromoform	ND		1.0	0.26	ug/L			10/26/13 15:58	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/13 15:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/13 15:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/13 15:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/13 15:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/13 15:58	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/13 15:58	1
Chloroform	ND		1.0	0.34	ug/L			10/26/13 15:58	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/13 15:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/13 15:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/13 15:58	1
Cyclohexane	ND		1.0	0.18	ug/L			10/26/13 15:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/26/13 15:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/13 15:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/26/13 15:58	1
Methyl acetate	ND		1.0	0.50	ug/L			10/26/13 15:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/26/13 15:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/26/13 15:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/13 15:58	1
Styrene	ND		1.0	0.73	ug/L			10/26/13 15:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/13 15:58	1
Toluene	ND		1.0	0.51	ug/L			10/26/13 15:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/13 15:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/13 15:58	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/13 15:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/26/13 15:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/13 15:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/13 15:58	1

Client Sample ID: UI-MW-4
Date Collected: 10/21/13 13:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/26/13 15:58*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*10/26/13 15:58*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/26/13 15:58*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		4.7	0.37	ug/L		10/25/13 08:00	10/29/13 07:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*52 - 132*	*10/25/13 08:00*	*10/29/13 07:05*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*10/25/13 08:00*	*10/29/13 07:05*	*1*
2-Fluorophenol	*52*		*20 - 120*	*10/25/13 08:00*	*10/29/13 07:05*	*1*
Nitrobenzene-d5	*87*		*46 - 120*	*10/25/13 08:00*	*10/29/13 07:05*	*1*
p-Terphenyl-d14	*80*		*67 - 150*	*10/25/13 08:00*	*10/29/13 07:05*	*1*
Phenol-d5	*34*		*16 - 120*	*10/25/13 08:00*	*10/29/13 07:05*	*1*

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	**1500**		400	22	ug/L			10/28/13 09:30	100

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:45	1
PCB-1221	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:45	1
PCB-1232	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:45	1
PCB-1242	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:45	1
PCB-1248	ND		0.46	0.16	ug/L		10/25/13 08:27	10/27/13 21:45	1
PCB-1254	ND		0.46	0.23	ug/L		10/25/13 08:27	10/27/13 21:45	1
PCB-1260	ND		0.46	0.23	ug/L		10/25/13 08:27	10/27/13 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*19 - 126*	*10/25/13 08:27*	*10/27/13 21:45*	*1*
Tetrachloro-m-xylene	*69*		*23 - 127*	*10/25/13 08:27*	*10/27/13 21:45*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7.8**		0.20	0.060	mg/L		10/23/13 08:40	10/29/13 19:07	1
Antimony	ND		0.020	0.0068	mg/L		10/23/13 08:40	10/29/13 19:07	1
Arsenic	**0.0063**	**J**	0.010	0.0056	mg/L		10/23/13 08:40	10/29/13 19:07	1
Barium	**0.22**		0.0020	0.00070	mg/L		10/23/13 08:40	10/30/13 21:03	1
Beryllium	ND		0.0020	0.00030	mg/L		10/23/13 08:40	10/29/13 19:07	1
Cadmium	ND		0.0010	0.00050	mg/L		10/23/13 08:40	10/29/13 19:07	1
Calcium	**162**		0.50	0.10	mg/L		10/23/13 08:40	10/29/13 19:07	1
Chromium	**0.029**		0.0040	0.0010	mg/L		10/23/13 08:40	10/29/13 19:07	1
Cobalt	**0.0036**	**J**	0.0040	0.00063	mg/L		10/23/13 08:40	10/29/13 19:07	1
Copper	**0.014**		0.010	0.0016	mg/L		10/23/13 08:40	10/30/13 21:03	1
Iron	**37.9**		0.050	0.019	mg/L		10/23/13 08:40	10/29/13 19:07	1
Lead	**0.013**		0.0050	0.0030	mg/L		10/23/13 08:40	10/29/13 19:07	1
Magnesium	**27.9**		0.20	0.043	mg/L		10/23/13 08:40	10/29/13 19:07	1
Manganese	**1.6**		0.0030	0.00040	mg/L		10/23/13 08:40	10/29/13 19:07	1
Nickel	**0.017**		0.010	0.0013	mg/L		10/23/13 08:40	10/29/13 19:07	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: UI-MW-4
Date Collected: 10/21/13 13:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-3
Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	3.3		0.50	0.10	mg/L		10/23/13 08:40	10/30/13 21:03	1
Selenium	ND		0.015	0.0087	mg/L		10/23/13 08:40	10/29/13 19:07	1
Silver	ND		0.0030	0.0017	mg/L		10/23/13 08:40	10/29/13 19:07	1
Sodium	29.0		1.0	0.32	mg/L		10/23/13 08:40	10/29/13 19:07	1
Thallium	ND		0.020	0.010	mg/L		10/23/13 08:40	10/29/13 19:07	1
Vanadium	0.016		0.0050	0.0015	mg/L		10/23/13 08:40	10/29/13 19:07	1
Zinc	0.099	B	0.010	0.0015	mg/L		10/23/13 08:40	10/29/13 19:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/23/13 08:40	10/23/13 14:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	317		100	40.0	mg/L			10/23/13 14:58	10
Ammonia	0.51		0.020	0.0090	mg/L			10/24/13 15:47	1
Ammonia as NH3	0.62		0.024	0.011	mg/L			10/24/13 15:47	1
Nitrate as N	0.023	J	0.050	0.020	mg/L			10/23/13 09:17	1
Nitrite as N	ND		0.050	0.020	mg/L			10/23/13 09:17	1
Chemical Oxygen Demand	20.9		10.0	5.0	mg/L			10/24/13 13:33	1
Sulfate	8.3	B	5.0	1.5	mg/L			10/23/13 14:41	1
Total Organic Carbon	5.7		1.0	0.43	mg/L			10/24/13 13:48	1
Hardness as calcium carbonate	550		10.0	2.6	mg/L			10/30/13 00:25	1
Total Dissolved Solids	948		20.0	8.0	mg/L			10/23/13 16:54	1
Phosphorus	0.28		0.010	0.0050	mg/L			10/23/13 11:10	1
Phosphorus as PO4	0.87		0.031	0.015	mg/L			10/23/13 11:10	1
Sulfide	0.20		0.10	0.052	mg/L			10/24/13 11:15	1
Biochemical Oxygen Demand	8.1	b	2.0	2.0	mg/L			10/23/13 09:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	212		4.0	4.0	mg/L			10/23/13 21:09	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: Trip Blank
Date Collected: 10/21/13 00:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/13 16:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/13 16:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/13 16:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/26/13 16:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/13 16:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/13 16:19	1
1,2,4-Trichlorobenzene	ND	*	1.0	0.41	ug/L			10/26/13 16:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/26/13 16:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/26/13 16:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/26/13 16:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/13 16:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/13 16:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/26/13 16:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/26/13 16:19	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/13 16:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/13 16:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/13 16:19	1
Acetone	ND		10	3.0	ug/L			10/26/13 16:19	1
Benzene	ND		1.0	0.41	ug/L			10/26/13 16:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/13 16:19	1
Bromoform	ND		1.0	0.26	ug/L			10/26/13 16:19	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/13 16:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/13 16:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/13 16:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/13 16:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/13 16:19	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/13 16:19	1
Chloroform	ND		1.0	0.34	ug/L			10/26/13 16:19	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/13 16:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/13 16:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/13 16:19	1
Cyclohexane	ND		1.0	0.18	ug/L			10/26/13 16:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/26/13 16:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/13 16:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/26/13 16:19	1
Methyl acetate	ND		1.0	0.50	ug/L			10/26/13 16:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/26/13 16:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/26/13 16:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/13 16:19	1
Styrene	ND		1.0	0.73	ug/L			10/26/13 16:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/13 16:19	1
Toluene	ND		1.0	0.51	ug/L			10/26/13 16:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/13 16:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/13 16:19	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/13 16:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/26/13 16:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/13 16:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/13 16:19	1

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: Trip Blank
Date Collected: 10/21/13 00:00
Date Received: 10/23/13 02:00

Lab Sample ID: 480-48459-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		10/26/13 16:19	1
Toluene-d8 (Surr)	103		71 - 126		10/26/13 16:19	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/26/13 16:19	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-2

Lab Sample ID: 480-48459-1

Date Collected: 10/21/13 10:00

Matrix: Water

Date Received: 10/23/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	147782	10/26/13 15:14	NQN	TAL BUF
Total/NA	Prep	3510C			147473	10/25/13 08:00	MRB	TAL BUF
Total/NA	Analysis	8270D		1	148198	10/29/13 06:09	RMM	TAL BUF
Total/NA	Analysis	RSK-175		100	147947	10/28/13 08:52	MAN	TAL BUF
Total/NA	Prep	3510C			147491	10/25/13 08:27	MRB	TAL BUF
Total/NA	Analysis	8082A		1	147882	10/27/13 21:13	JMM	TAL BUF
Total/NA	Prep	7470A			146839	10/23/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	147043	10/23/13 13:55	JRK	TAL BUF
Total/NA	Prep	3005A			146820	10/23/13 08:40	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148601	10/29/13 19:02	MTM2	TAL BUF
Total/NA	Prep	3005A			146820	10/23/13 08:40	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148871	10/30/13 20:58	MTM2	TAL BUF
Total/NA	Analysis	353.2		1	146953	10/23/13 09:15	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146954	10/23/13 09:15	EGN	TAL BUF
Total/NA	Analysis	SM 2540C		1	147038	10/23/13 16:54	JMB	TAL BUF
Total/NA	Analysis	SM 5210B		1	147048	10/23/13 09:30	MDL	TAL BUF
Total/NA	Analysis	SM 2540D		1	147080	10/23/13 21:09	JMB	TAL BUF
Total/NA	Analysis	9038		1	147082	10/23/13 15:45	NCH	TAL BUF
Total/NA	Analysis	310.2		10	147083	10/23/13 15:50	NCH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	147309	10/24/13 11:15	KSW	TAL BUF
Total/NA	Analysis	410.4		1	147325	10/24/13 13:33	KJ1	TAL BUF
Total/NA	Analysis	350.1		1	147366	10/24/13 15:41	KMF	TAL BUF
Total/NA	Analysis	9060A		1	147604	10/24/13 12:45	KRC	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	147805	10/26/13 10:00	RS	TAL BUF
Total/NA	Analysis	SM 2340C		1	148505	10/30/13 00:25	LAW	TAL BUF

Client Sample ID: EW-3

Lab Sample ID: 480-48459-2

Date Collected: 10/21/13 11:00

Matrix: Water

Date Received: 10/23/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	147782	10/26/13 15:36	NQN	TAL BUF
Total/NA	Prep	3510C			147473	10/25/13 08:00	MRB	TAL BUF
Total/NA	Analysis	8270D		1	148198	10/29/13 06:37	RMM	TAL BUF
Total/NA	Analysis	RSK-175		100	147947	10/28/13 08:35	MAN	TAL BUF
Total/NA	Prep	3510C			147491	10/25/13 08:27	MRB	TAL BUF
Total/NA	Analysis	8082A		1	147882	10/27/13 21:29	JMM	TAL BUF
Total/NA	Prep	7470A			146839	10/23/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	147043	10/23/13 14:01	JRK	TAL BUF
Total/NA	Prep	3005A			146820	10/23/13 08:40	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148601	10/29/13 19:04	MTM2	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: EW-3

Lab Sample ID: 480-48459-2

Date Collected: 10/21/13 11:00
Matrix: Water
Date Received: 10/23/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			146820	10/23/13 08:40	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148871	10/30/13 21:00	MTM2	TAL BUF
Total/NA	Analysis	353.2		1	146953	10/23/13 09:16	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146954	10/23/13 09:16	EGN	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146974	10/23/13 11:10	RS	TAL BUF
Total/NA	Analysis	SM 5210B		1	147048	10/23/13 09:30	MDL	TAL BUF
Total/NA	Analysis	SM 2540D		1	147080	10/23/13 21:09	JMB	TAL BUF
Total/NA	Analysis	310.2		15	147083	10/23/13 15:50	NCH	TAL BUF
Total/NA	Analysis	SM 4500 S2 D		1	147309	10/24/13 11:15	KSW	TAL BUF
Total/NA	Analysis	350.1		100	147366	10/24/13 15:42	KMF	TAL BUF
Total/NA	Analysis	9038		1	147408	10/24/13 14:34	NCH	TAL BUF
Total/NA	Analysis	9060A		1	147604	10/24/13 13:17	KRC	TAL BUF
Total/NA	Analysis	SM 2540C		1	147605	10/25/13 12:29	KJ1	TAL BUF
Total/NA	Analysis	410.4		1	148186	10/28/13 19:10	JMB	TAL BUF
Total/NA	Analysis	SM 2340C		1	148505	10/30/13 00:25	LAW	TAL BUF

Client Sample ID: UI-MW-4

Lab Sample ID: 480-48459-3

Date Collected: 10/21/13 13:00
Matrix: Water
Date Received: 10/23/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147782	10/26/13 15:58	NQN	TAL BUF
Total/NA	Prep	3510C			147473	10/25/13 08:00	MRB	TAL BUF
Total/NA	Analysis	8270D		1	148198	10/29/13 07:05	RMM	TAL BUF
Total/NA	Analysis	RSK-175		100	147947	10/28/13 09:30	MAN	TAL BUF
Total/NA	Prep	3510C			147491	10/25/13 08:27	MRB	TAL BUF
Total/NA	Analysis	8082A		1	147882	10/27/13 21:45	JMM	TAL BUF
Total/NA	Prep	7470A			146839	10/23/13 08:40	JRK	TAL BUF
Total/NA	Analysis	7470A		1	147043	10/23/13 14:03	JRK	TAL BUF
Total/NA	Prep	3005A			146820	10/23/13 08:40	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148601	10/29/13 19:07	MTM2	TAL BUF
Total/NA	Prep	3005A			146820	10/23/13 08:40	NMD2	TAL BUF
Total/NA	Analysis	6010C		1	148871	10/30/13 21:03	MTM2	TAL BUF
Total/NA	Analysis	353.2		1	146953	10/23/13 09:17	EGN	TAL BUF
Total/NA	Analysis	353.2		1	146954	10/23/13 09:17	EGN	TAL BUF
Total/NA	Analysis	SM 4500 P E		1	146974	10/23/13 11:10	RS	TAL BUF
Total/NA	Analysis	SM 2540C		1	147038	10/23/13 16:54	JMB	TAL BUF
Total/NA	Analysis	SM 5210B		1	147048	10/23/13 09:30	MDL	TAL BUF
Total/NA	Analysis	SM 2540D		1	147080	10/23/13 21:09	JMB	TAL BUF
Total/NA	Analysis	9038		1	147082	10/23/13 14:41	NCH	TAL BUF
Total/NA	Analysis	310.2		10	147083	10/23/13 14:58	NCH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Client Sample ID: UI-MW-4

Lab Sample ID: 480-48459-3

Date Collected: 10/21/13 13:00

Matrix: Water

Date Received: 10/23/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 S2 D		1	147309	10/24/13 11:15	KSW	TAL BUF
Total/NA	Analysis	410.4		1	147325	10/24/13 13:33	KJ1	TAL BUF
Total/NA	Analysis	350.1		1	147366	10/24/13 15:47	KMF	TAL BUF
Total/NA	Analysis	9060A		1	147604	10/24/13 13:48	KRC	TAL BUF
Total/NA	Analysis	SM 2340C		1	148505	10/30/13 00:25	LAW	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-48459-4

Date Collected: 10/21/13 00:00

Matrix: Water

Date Received: 10/23/13 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	147782	10/26/13 16:19	NQN	TAL BUF

Laboratory References:

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

Certification Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	NELAP	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-14
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-15-15
Kansas	NELAP	7	E-10187	01-31-14
Kentucky	State Program	4	90029	12-31-13
Kentucky (UST)	State Program	4	30	04-01-14
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-14
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	04-01-14
Minnesota	NELAP	5	036-999-337	12-31-13
New Hampshire	NELAP	1	2973	09-11-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	04-01-14
North Dakota	State Program	8	R-176	03-31-14
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-14
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-14
West Virginia DEP	State Program	3	252	12-31-13
Wisconsin	State Program	5	998310390	08-31-14

Method Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
RSK-175	Dissolved Gases (GC)	RSK	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
353.2	Nitrogen, Nitrite	MCAWW	TAL BUF
410.4	COD	MCAWW	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
9060A	Organic Carbon, Total (TOC)	SW846	TAL BUF
SM 2340C	Hardness, Total	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 P E	Phosphorus	SM	TAL BUF
SM 4500 S2 D	Sulfide, Total	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

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

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Project/Site: Fort Edward Site #558001

TestAmerica Job ID: 480-48459-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-48459-1	EW-2	Water	10/21/13 10:00	10/23/13 02:00
480-48459-2	EW-3	Water	10/21/13 11:00	10/23/13 02:00
480-48459-3	UI-MW-4	Water	10/21/13 13:00	10/23/13 02:00
480-48459-4	Trip Blank	Water	10/21/13 00:00	10/23/13 02:00

Chain of Custody Record

TestAmerica Laboratories, Inc.

Client Contact	Sampler: Karen Carling	Site Contact: Karen Carling	Date: 10/21/13	COC No: 001
Karen Carling	Tel/Fax: (518)885-5383	Lab Contact: Sally Hoffman	Carrier:	1 of 1 COCs
Aztech Technologies, Inc	Analysis Turnaround Time			Job No.
5 McCrea Hill Road	Calendar (C) or Work Days (W) _____			
Ballston Spa, NY 12020	Standard			SDG No.
Project Name: Fort Edward Landfill #558001				
NYSDEC Call Out # 120794				
Project Number: 48004992				

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	350.1, 410.4, 4500_P_E	6010B, 7470A	2340C - Hardness as calcium carbonate	8260B - TCL list OLM04.2	9060- Total Organic Carbon	RSK_175 - Methane	8082 - TCL PCBs - OLM04.2	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	2540D - Total Suspended Solids	SM4500_S2_D - Sulfide	353.2, 353.2_Nitrite, 9038, Nitrate_Calc	310.2 - Alkalinity, Total	8270C - (MOD) TCL SVOA - OLM04.2	Sample Specific Notes:
EB-2	10/21/13	1000	G	GW	2 2	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
EB 3	10/21/13	1100	G	GW	2 2	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
FIELD BLANK	10/21/13	1200	G	GW	2 2	N	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TRIP BLANK				W	1																

10/23/13

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Non-Hazard *Flammable* *Skin Irritant* *Poison B* *Unknown*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client *Disposal By Lab* *Archive For* _____ Months

Special Instructions/QC Requirements & Comments:

Fax results to ETA

2.1, 2.6 #1

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Aztech	10/21/13 1600		TA	10/22/13 1210
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	10/22/13		TA	10.23.13 0900
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-48459-1

Login Number: 48459

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert K

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