2012 PERIODIC REVIEW REPORT

Groundwater Monitoring and Sampling Results

153 Fillmore Avenue Site
City of Tonawanda

November 2012

2012 PERIODIC REVIEW REPORT
GROUNDWATER MONITORING AND SAMPLING RESULTS

153 FILLMORE AVENUE SITE
CITY OF TONAWANDA

Prepared by:

GHD Inc.
200 John James Audubon Parkway,
Amherst, New York 14228

November 2012

GHD Project No. 8612199

TABLE OF CONTENTS

LIST OF FIGURES

Figure No.

LIST OF TABLES

LIST OF APPENDICES

SECTION 1 - SITE BACKGROUND

1.1 Site Location

The site is located at the intersection of Fillmore Avenue and Freemont Street in the City of Tonawanda (Figure 1). The 1.7-acre parcel is bounded on the east by an active railroad line, to the north and south by small commercial/industrial operations, and on the west by Fillmore Avenue. The subject property is located in a small industrial area adjacent to a residential neighborhood.

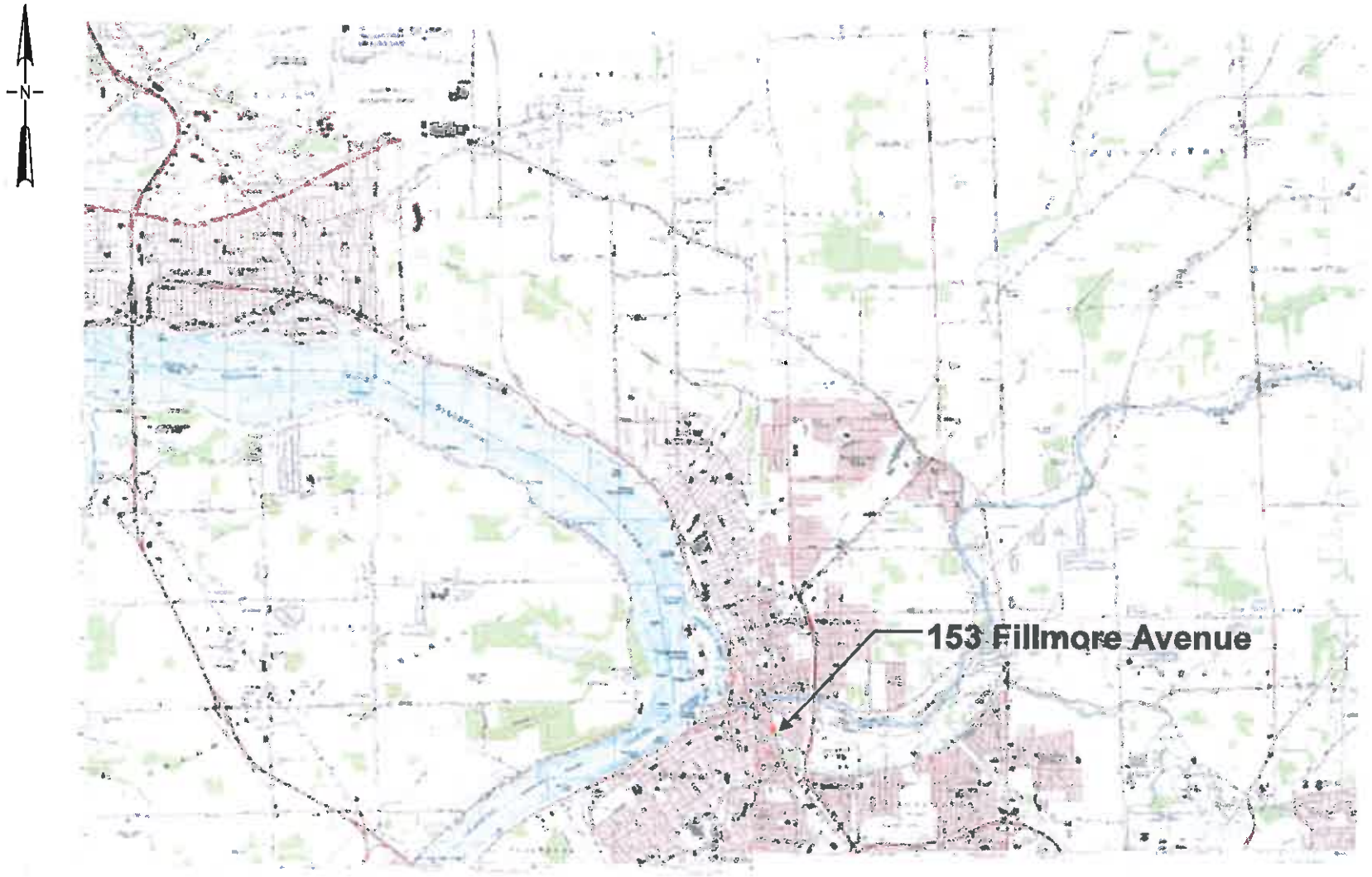
1.2 Site History

City directories for the period between 1946 to 1957, list Tonawanda Roofing and Paint Company at 141 Fillmore Avenue (adjacent property immediately north of site) and National Manufacturing Corporation at 153 Fillmore under Roofing Materials and Supplies. This is consistent with reports from local workers in the area that roofing materials were produced at the National Manufacturing site and installed by Tonawanda Roofing and Paint. This is further supported by the presence of four large ASTs and associated piping on the site that contain heavy, viscous, tarlike material.

In 1957, National Manufacturing Corporation added paint manufacturing facilities at the subject property. Raw materials for paint production were shipped to the facility in bulk and were stored in above-ground storage tanks (ASTs) located in the tank rooms or underground storage tanks (USTs). The raw materials were transferred from the tank rooms to the manufacturing room where the paint was produced. The finished paint was then transferred to the warehouse where it was stored prior to shipment. National Manufacturing Corporation closed the facility in 1981.

In 1981, Envirotek Ltd, a solvent recycling company, reopened the facility as a Resource Conservation and Recovery Act (RCRA) treatment, storage, and disposal (TSD) facility. Containers of RCRA hazardous wastes were transported to the facility where they were stored pending reshipment to a RCRA disposal facility. Containers of RCRA characteristic ignitable, corrosive, and toxic hazardous wastes were stored at the facility from 1981 to 1986. A number of containers were left at the facility when Envirotek Ltd abandoned the facility in 1988.

NYSDEC contacted the United States Environmental Protection Agency (USEPA) concerning the subject property on June 29, 1987. The USEPA conducted a preliminary assessment (PA)



Scale 1:25,000

CLIENTS PEOPLE PERFORMANCE

AMHERST, NEW YORK
DATE: 09/12 JOB No.: 8612199

153 FILLMORE AVENUE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

FIGURE 1
SITE LOCATION MAP

under the Comprehensive Environmental Response, Compensation and Liabilities Act (CERCLA) on November 29-30, 1988 to determine if the subject property should be included on the National Priority List (NPL). The PA disclosed that an estimated 770 55-gallon drums and 1,000 smaller containers of RCRA flammable, combustible, and corrosive hazardous wastes that were present on the subject property. Several process vessels, four large ASTs, two UST's, and six transformers were also present at the subject property.

On July 18, 1989 the USEPA initiated remedial action activities at the site. These initial remedial action activities were completed on October 15, 1990, and included:

- the identification and categorization of all RCRA hazardous wastes;
- repackaging of 31,165 gallons of liquids and 11,655 pounds of solids and shipping off-site for incineration;
- repackaging 204 cubic yards of solids and shipping off-site for land disposal; and,
- repackaging 61,975 pounds of solids and shipping off-site for recycling.

A summary of remedial action activities are presented in a report entitled, "Federal On-Scene Coordinator's Report – Envirotek 1, Tonawanda, Erie County, New York," prepared by Roy F. Weston, Inc. and dated November 1990.

The NYSDEC conducted a limited site investigation in November 1997. This investigation was intended to determine if the site posed a significant threat to human health or the environment. This investigation consisted of the collection of soil samples from the site and surface water samples from Ellicott Creek.

The results of this investigation indicated no impairment of the Creek sediments or surface waters associated with the site. Analytical results of surface soils detected exceedances of NYSDEC soil cleanup objectives for (polynuclear aromatic hydrocarbons (PAHs), PCBs, and numerous metals. The highest concentrations were observed in the northeast corner of the site.

A Site Investigation/Remedial Alternatives Report was completed by URS Corporation in 2002 indicating that the primary contaminants on-site were volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). These contaminants were present in surface and subsurface soils, and groundwater. Some metals and minor concentrations of PCBs were detected in surface soils.

The remedial activities completed at 153 Fillmore Avenue were separated into two phases. Phase I, completed in 2001, consisted of the demolition and removal of various structures, the removal of three (3) underground storage tanks, backfilling with clean material, and the stockpiling of contaminated soil. Phase II, completed in October 2002, consisted of the following:

1. Excavation, removal, and disposal of contaminated soils from Phase I.
2. Decontamination and removal of four (4) above ground storage tanks.
3. Removal and disposal of ACM coatings on tanks.
4. Removal of piping, supports and associated structures.
5. Sampling, analysis, and characterization of site materials.
6. Removal and off-site disposal of 11.6 tons of hazardous materials
7. 200 CY of concrete crushed and placed as fill material.
8. Installation of 1-foot of clean cover material over the entire site of clay and topsoil.
9. Asphalt paving for two (2) parking areas.

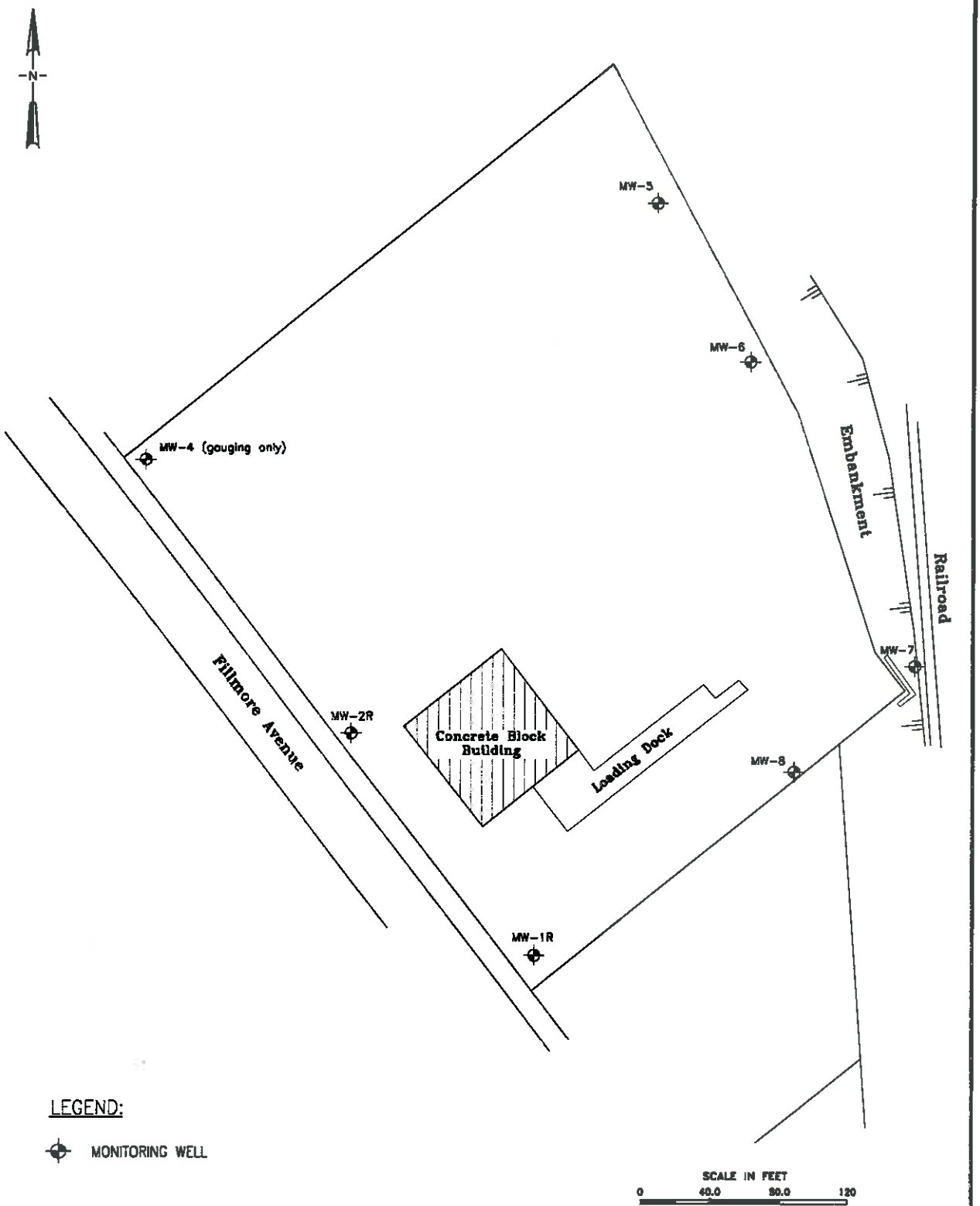
A Site Management Plan was completed after Site Investigation/Remedial Alternatives Report detailing a Groundwater Monitoring Plan. The Groundwater Monitoring Plan required annual sampling of the five down-gradient wells (MW-1 through MW-4) and MW-8 and biennial sampling of potential source wells (MW-5 through MW-7).

SECTION 2 - GROUNDWATER MONITORING ACTIVITIES

The 2012 monitoring program at the 153 Fillmore Avenue Site in the City of Tonawanda consisted of one annual sampling event completed on July 24, 2012. Groundwater samples were collected from monitoring wells MW-1, MW-2, MW-5, MW-6, MW-7, and MW-8, located on the perimeter of the property as presented in Figure 2.

Groundwater samples were collected using low-flow purging and sampling techniques. Prior to sampling, each monitoring well was purged using a peristaltic pump and dedicated tubing until parameters of pH, conductance, dissolved oxygen (DO), temperature, and oxidation-reduction potential (ORP) stabilized, which provided an indication that water drawn from the well is representative of the groundwater in the surrounding formation. The results of these field parameters are presented on Table 1. The groundwater field sampling logs that were used to record field information at each sampling point are provided in Appendix A. After the field parameters stabilized, samples were collected with a disposable bailer into sample containers provided by the laboratory.

Purge water generated during the groundwater sampling activities was emptied on-site away from the sampled well. Quality control samples, including a trip blank, a field blank, a matrix spike and matrix spike duplicate, and a field duplicate were collected during the sampling event. Samples were delivered under a chain of custody to Upstate Laboratories, Inc. of Syracuse, New York for analysis of VOCs, SVOCs and Target Analyte List (TAL) Metals under CLP protocols with ASP Deliverable B test results. Pesticides and PCBs were not required to be tested during the 2012 sampling event.



CLIENTS PEOPLE PERFORMANCE

AMHERST, NEW YORK

DATE:09/12 JOB No.:8612199

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUDNWATER MONITORING REPORT

FIGURE 2
MONITORING WELL LOCATIONS

SECTION 3 - GROUNDWATER MONITORING RESULTS

This section includes the results of the 2012 annual groundwater sampling event. Included are descriptions of site-specific hydrogeology, the identification and distribution of constitutes present in groundwater, and a comparison of historical data. Constitutes were compared to the applicable NYSDEC Division of Water Technical and Operational Guidance Series (TOGS 1.1.1) Groundwater Standards and Guidance Values.

3.1 Site Hydrogeology

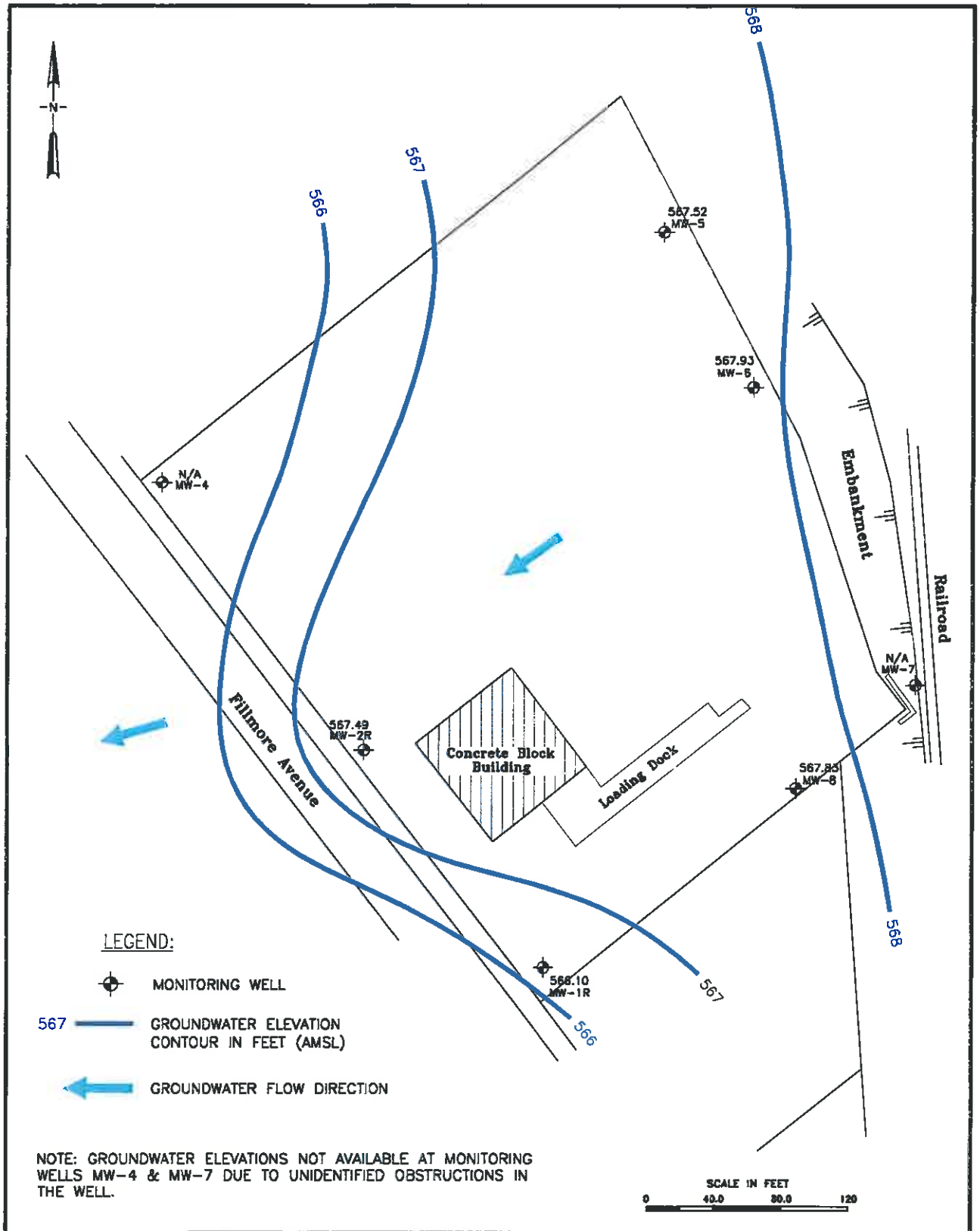
Groundwater levels were collected at each monitoring well and are presented in Table 2. Figure 3 illustrates the groundwater elevation contours based on the groundwater levels measured on July 24, 2012. The groundwater elevation data indicates that groundwater flows toward the west. The up gradient monitoring well is identified as monitoring well MW-7.

3.2 Groundwater Analytical Results

A summary of the compounds detected in groundwater during the 2012 Groundwater Sampling Event is presented on Tables 3, 4 and 5. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, Class GA was used for the reporting limits. The groundwater samples were analyzed for volatiles, semi-volatiles, and metals on the Target Compound List (TCL). Laboratory analytical data reports are provided in Appendix B. Historical groundwater analytical test data is presented on Tables 3, 4 and 5. Historical groundwater total VOC concentration Figures displaying the lateral extent of the total VOC concentration plume from the sampling events of July, 2012, July 2011, July 2010, July 2009, August 2008, July 2007, and October 2001 are provided in Appendix C.

3.2.1 Volatile Organic Analytical Test Results

The volatile organic analytical test results for the sampling event of 2012 varied depending on the monitoring well and specific compounds detected in groundwater in comparison with previous sampling events. Results showed increasing and decreasing volatile organic concentrations when comparing test data from all sampling events. The volatile organic analytical test results detected concentrations of vinyl chloride (MW-1, MW-2, MW-7 and MW-8), cis-1,2-dichloroethene (MW-1, MW-7 and MW-8), benzene (MW-2 and MW-8) exceeding groundwater quality standards as presented in Table 3.



CLIENTS PEOPLE PERFORMANCE

AMHERST, NEW YORK

DATE:09/12 JOB No.:8612199

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

FIGURE 3
GROUNDWATER CONTOUR ELEVATIONS MAP

Vinyl chloride: Detected concentrations of vinyl chloride increased in groundwater sampled from monitoring wells MW-1 and MW-7 which represented concentrations exceeding the groundwater quality standard. The concentrations of vinyl chloride decreased at monitoring wells MW-2 and MW-8, but remained above the groundwater quality standard. Detected concentrations of vinyl chloride exceeded groundwater quality standards for all sampling events in at least one well.

Cis-1,2-dichloroethene: Detected concentrations of cis-1,2-dichloroethene increased in groundwater samples from monitoring wells MW-1 and MW-7, which represented concentrations exceeding the groundwater quality standard. The concentration of cis-1,2-dichloroethene decreased at monitoring well MW-8, but remained above the groundwater quality standard. Detected concentrations of cis-1,2-dichloroethene exceeded groundwater quality standards for all sampling events in at least one well.

Trans-1,2-dichloroethene: Detected concentration of trans-1,2-dichloroethene decreased in groundwater sampled at monitoring well MW-8. The concentration of trans-1,2-dichloroethene at monitoring well MW-8 decreased from the 2011 sampling event and was detected below the groundwater quality standard.

Benzene: Detected concentrations of benzene decreased in groundwater sampled from monitoring wells MW-2 and MW-8 which represented concentrations exceeding the groundwater quality standard.

Trichloroethene: Detected concentrations of trichloroethene increased in groundwater sampled from monitoring well MW-7 which represented concentrations that did not exceeded the groundwater quality standard.

Acetone: Detected concentrations of acetone increased in groundwater sampled from monitoring well MW-7 which represented concentrations that did not exceeded the groundwater quality standard.

As presented in the historical total VOC concentration groundwater plume figures in Appendix C, the total VOC plume has migrated in a westward direction over time in a similar direction as the groundwater flow. The following observations have been made in regard to plume migration and movement.

The October 2001 figure shows a total VOC concentration plume that is centered on the east side of the site with total VOC concentrations of approximately 2,681 ppb detected in groundwater from monitoring well MW-7.

The total VOC concentration plume from the 2007 sampling event indicates decreasing total VOC concentration plumes centered on monitoring well MW-7.

In 2008, the center of the total VOC concentration plume migrated in a westward direction due to higher VOC concentrations detected in groundwater monitoring wells MW-6 and MW-8.

In 2009, the total VOC concentration plume expanded westward with the addition of sampling and test results from monitoring wells MW-1 and MW-2.

In 2010, the total VOC concentration plume remained similar to the 2009 total VOC concentration plume, however, shows decreased VOCs present at monitoring well MW-6.

In 2011, the total VOC plume migrated further west with test results from sampling detecting increased total VOC concentrations in monitoring well MW-1. Total VOCs continued to decrease to non-detect results at monitoring well MW-6.

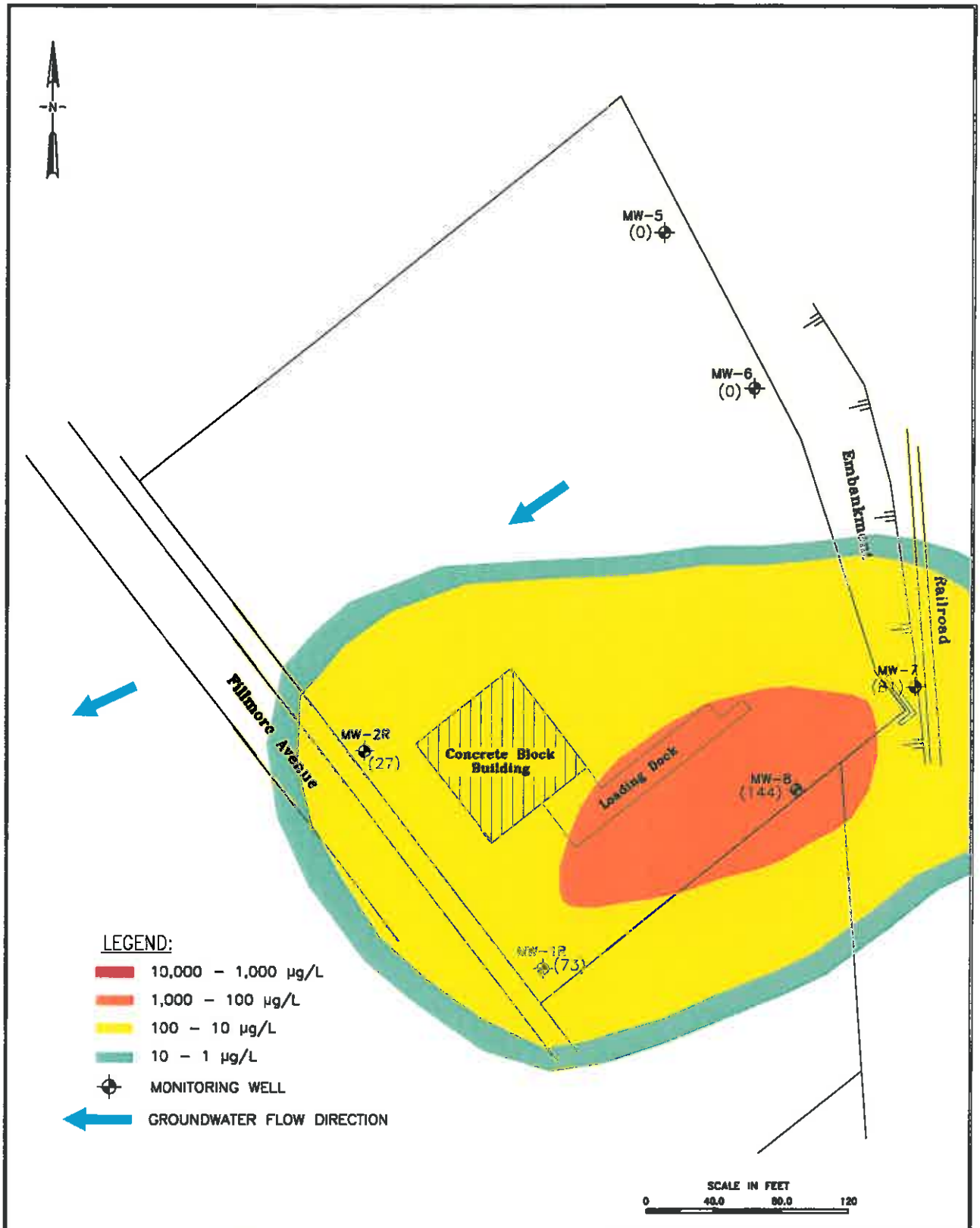
In 2012, the total VOC plume increased in VOC concentrations in monitoring well MW-1 for the third year. Plume migration appears to have moved southwest since total VOC concentrations in monitoring well MW-1 have increased every year from 2009 to 2012 as presented below:

- 2009 – 5.5 ug/l
- 2010 – 16.0 ug/l
- 2011 – 26.0 ug/l
- 2012 – 73.0 ug/l

The following observations have been made regarding total VOC concentrations:

- There was no VOC test data from monitoring wells MW-1 and MW-2 during the 2007 and 2008 sampling events as the wells were nonfunctional until being re-drilled in 2009.

- Total VOC concentrations increased consistently in groundwater monitoring well MW-8 from the 2001 through the 2009 sampling events.



CLIENTS PEOPLE PERFORMANCE

AMHERST, NEW YORK

DATE:09/12 JOB No.:8612199

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

FIGURE 4 – TOTAL GROUNDWATER VOC CONCENTRATION MAP – 07/24/12

- Total VOC concentration in monitoring well MW-8 decreased in 2010, 2011, and 2012 as presented in Figure 4.

- Total VOC concentration in monitoring well MW-2 decreased in 2010, 2011, and 2012 as presented in Figure 4.

- Total VOC concentration in monitoring well MW-1 and MW-7 increased in 2012 as presented in Figure 4.

3.2.2 Semi-Volatile Organic Analytical Test Results

The semi-volatile organic analytical test results for the sampling event of 2012 varied depending on the monitoring well location and specific compounds detected in groundwater in comparison with previous sampling events. Results showed increasing and decreasing semi-volatile organic concentrations when comparing data with 2011 test results. The semi-volatile organic analytical test results are presented in Table 4.

Acenaphthene: Detected concentrations of acenaphthene increased in groundwater sampled from monitoring wells MW-2, MW-5, MW-6, MW-7 and MW-8. Concentrations of acenaphthene did not exceed the groundwater quality standard.

Bis(2-ethylhexyl)phthalate: Detected concentrations of bis(2-ethylhexyl)phthalate increased in groundwater sampled from monitoring wells MW-2 and MW-7 exceeding the groundwater quality standard. Detected concentrations of bis(2-ethylhexyl)phthalate decreased in groundwater sampled from monitoring well MW-1 and was below the groundwater quality standard.

Di-n-butyl phthalate: Detected concentrations of di-n-butyl phthalate increased in groundwater sampled from monitoring well MW-2 and remain below the groundwater quality standard.

Carbazole: Detected concentrations of carbazole increased in MW-5 and remain below the groundwater quality standard.

Benz(a)anthracene: Detected concentrations of benz(a)anthracene increased in groundwater sampled from monitoring well MW-7 from 2011 non-detect results. Concentrations exceeded the groundwater quality standard.

Benzo(b)fluoranthene: Detected concentrations of benzo(b)fluoranthene increased in groundwater sampled from monitoring well MW-7 from 2011 non-detect results. Concentrations exceeded the groundwater quality standard.

Benzo(k)fluoranthene: Detected concentrations of benzo(k)fluoranthene increased in groundwater sampled from monitoring well MW-7 from 2011 non-detect results. Concentrations exceeded the groundwater quality standard.

Chrysene: Detected concentrations of chrysene increased in groundwater sampled from monitoring well MW-7 from 2011 non-detect results. Concentrations exceeded the groundwater quality standard.

Detected concentrations of fluoranthene, pyrene, benzo(a)pyrene, acenaphthene increased in groundwater sampled from monitoring well MW-7 from 2011 non-detect results. Concentrations did not exceeded the groundwater quality standard.

3.2.3 Inorganic Metals Analytical Test Results

Detected concentrations of inorganic metals for the 2012 sampling event that exceeded groundwater quality standards increased in concentrations of most parameters when compared with 2011 analytical test results. The inorganic metals analytical test results detected concentrations of aluminum (MW-1, MW-2 and MW-7), antimony (MW-7), arsenic (MW-1, MW-2 and MW-7), barium (MW-2), beryllium (MW-1 and MW-2), cadmium (MW-1, MW-2 and MW-7), chromium (MW-1 and MW-2), copper (MW-2), iron (all wells), lead (MW-1, MW-2, and MW-7), magnesium (MW-1, and MW-2), manganese (MW-1, MW-2, MW-6, MW-7 and MW-8), mercury (MW-2), nickel (MW-1 and MW-2), selenium (MW-5, MW-7 and MW-8), and zinc (MW-7) exceeding groundwater quality standards as presented in Table 5.

Aluminum: Detected concentrations of aluminum increased in groundwater sampled from monitoring wells MW-1 and MW-2. Detected concentrations of aluminum decreased in groundwater sampled from monitoring well MW-7. Detected concentrations of aluminum exceeded the groundwater quality standard at monitoring wells MW-1, MW-2, and MW-7.

Antimony: Detected concentrations of antimony increased in groundwater sampled from monitoring well MW-7 from 2011 non-detect results. Detected concentrations of antimony exceeded the groundwater quality standard.

Arsenic: Detected concentrations of arsenic increased in groundwater sampled from monitoring wells MW-1, MW-2 and MW-7 and exceeded the groundwater quality standard.

Barium: Detected concentrations of barium increased in groundwater sampled from monitoring well MW-2 from the 2011 sampling event. Detected concentration of barium exceeded the groundwater quality standard.

Beryllium: Detected concentrations of beryllium increased in groundwater sampled from monitoring wells MW-1 and MW-2 from 2011 non-detect results. Beryllium concentrations exceeded the groundwater quality standard.

Cadmium: Detected concentrations of cadmium increased in groundwater sampled from monitoring wells MW-1, MW-2, and MW-7. Cadmium concentrations in monitoring well MW-1 increased from 2011 non-detect results. Cadmium concentrations exceeded the groundwater quality standard.

Chromium: Detected concentrations of chromium increased in groundwater sampled from monitoring wells MW-1 and MW-2. Chromium concentrations exceeded the groundwater quality standard.

Copper: Detected concentrations of copper increased in groundwater sampled from monitoring well MW-2. Copper concentration exceeded the groundwater quality standard.

Iron: Detected concentrations of iron increased in groundwater sampled from monitoring wells MW-1, MW-2, and MW-8. Detected concentrations of iron decreased in groundwater sampled from monitoring wells MW-5, MW-6, and MW-7. Detected concentrations of iron exceeded the groundwater quality standard in all wells.

Lead: Detected concentrations of lead increased in groundwater sampled from monitoring wells MW-1, MW-2, and MW-7. Lead concentrations in monitoring well MW-8 increased from 2011 non-detect results. Non-detect results reported in 2012 show a decrease in detected concentrations of lead as reported in 2011 in groundwater sampled from monitoring well MW-5. Detected concentrations of lead exceeded the groundwater quality standard.

Magnesium: Detected concentration of magnesium increased in groundwater sampled from monitoring wells MW-1 and MW-2. Detected concentrations of magnesium exceeded the groundwater quality standard.

Manganese: Detected concentrations of manganese increased in groundwater sampled from monitoring wells MW-1, MW-2, and MW-8. Detected concentration of manganese decreased in groundwater sampled from monitoring wells MW-6 and MW-7. Detected concentrations of manganese exceeded the groundwater quality standard.

Mercury: Detected concentration of mercury increased in groundwater sampled from monitoring well MW-2 and exceed the groundwater quality standard. Detected concentrations of mercury in monitoring wells MW-1, MW-5, and MW-7 increased from 2011 non-detect results, but, did not exceed the groundwater quality standard.

Nickel: Detected concentrations of nickel increased in groundwater sampled from monitoring wells MW-1 and MW-2. Detected concentrations of nickel exceeded the groundwater quality standard.

Selenium: Detected concentrations of selenium increased from 2011 non-detect results in groundwater sampled from monitoring wells MW-5, MW-7, and MW-8. Detected concentrations of selenium exceeded the groundwater quality standard.

Zinc: Detected concentrations of zinc increased in groundwater sampled from monitoring well MW-7. Detected concentrations of zinc exceeded groundwater quality standards.

Detected concentrations that did not exceed groundwater quality standards and represent an increase in concentration when compared to 2011 test results include: barium (MW-1, MW-6, MW-7, and MW-8), chromium (MW-7), copper (MW-1 and MW-7), lead (MW--8), mercury (MW-1, MW-5, and MW-7), magnesium (MW-6 and MW-8), vanadium (MW-1 and MW-2), zinc (MW-1, MW-2, and MW-8).

Detected concentrations that did not exceed groundwater quality standards and represent a decrease in concentration when compared to 2011 test results include: aluminum (MW-5 and MW-6), barium (MW-5), magnesium (MW-5, and MW-7), manganese (MW-5), nickel (MW-7), and zinc (MW-5 and MW-6).

3.3 Quality Assurance/Quality Control Analytical Results

Groundwater samples were analyzed for VOCs by USEPA SW-846 Method 8260, SVOCs by USEPA SW-846 Method 8270 and TAL Metals at Upstate Laboratories in Syracuse, New York. The laboratory data were independently reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The associated laboratory analytical reports of the field duplicate, equipment blank, and other quality assurance/quality control (QA/QC) samples collected during the July 2012 sampling event are presented in Appendix B.

Data Usability Summary Reporting completed by Vali-Data of WNY, LLC August 28, 2012 is presented in Appendix D. The QA/QC measurements examined for the data were within method-specified or laboratory-derived limits. No data were rejected as a result of the data validation.

SECTION 4 - SOILS MANAGEMENT PLAN

4.1 Objective

The objective of this Soils Management Plan (SMP) is to set guidelines for the maintenance and repair of the cover system at the Site, and for the management of soil and fill disturbed during any future intrusive work that breaches this cover system. This SMP addresses environmental concerns related to soil management and has been reviewed and approved by the New York State Department of Environmental Conservation (NYSDEC).

4.2 Nature and Extent of Contamination

The data obtained during the investigation and remediation of the Site reveal that the contaminants of concern at this Site for surface soil consist primarily of semivolatile organic compounds (SVOCs) and metals. The primary SVOCs of concern include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene. These contaminants belong to a class of SVOCs known as polycyclic aromatic hydrocarbons (PAHs). PAHs are a group of over 100 different chemicals that are ubiquitous in the environment. Sources of PAHs include incomplete combustion of coal, oil, gasoline, garbage, wood and incinerators. PAHs are also found in coal tar, crude oil, creosote, roofing tar, medicines, dyes, plastics and pesticides. The primary metals of concern in surface soil include barium, cadmium, chromium, lead and mercury.

The contaminants of concern at the Site for subsurface soil consist primarily of volatile organic compounds and semivolatile organic compounds. The primary VOCs of concern include acetone, benzene, ethylbenzene and xylene, while the primary SVOCs of concern include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and chrysene.

The contaminants of concern at this Site for groundwater consist primarily of volatile organic compounds and metals. The primary VOCs of concern include dichloroethene and vinyl chloride, although historic groundwater samples also contained benzene, ethylbenzene, toluene, trichloroethene and xylene. The primary metals of concern in groundwater include aluminum, cadmium, iron, lead and manganese.

4.3 Contemplated Use

Following the remediation of the Site, the property was purchased by Manth Manufacturing for use as parking and warehousing for the company's existing manufacturing operations at 131 Fillmore Avenue. The Deed Restriction specifically prohibits the use of the Site for any type of residential, agricultural or school/day care purposes.

4.4 Purpose and Description of the Cover System

The purpose of the cover system is to prevent public exposures with contaminated soil, fill and groundwater, and to prevent the migration of contaminants off-site via groundwater or surface water runoff. The cover system at the Site consists of the following:

- A 1-foot thick clean soil cover without a demarcation layer;
- A 1-foot thick asphalt and subbase cover at two areas used for parking and access;
- A concrete and subbase cover consisting of sidewalks and the floors of Site buildings. Vapor barriers are not present under any of the concrete buildings slabs.

4.5 Cover System Maintenance and Repair

The cover system will be periodically inspected and maintained. Maintenance includes controlling surface erosion and run-off from the Site, and includes proper maintenance of the vegetative cover. In the event that damage to the cover system is observed (e.g., ruts, erosion, cracked or broken asphalt, etc.), repairs will be made to restore the cover system to its pre-damaged condition. These repairs are required to maintain the integrity of the cover system.

Future use of the Site should preclude as described in the Deed Restriction, whenever possible, excavation or disturbance of the cover system. Should any future intrusive work breach the cover system, the requirements of Sections 4.6 thru 4.9 of this SMP must be followed. Once the intrusive activities are complete, the cover system must be restored in a manner that is consistent with the original construction. If the type of cover system changes from that which existed prior to the intrusive activities (i.e., a soil cover is replaced by asphalt, concrete or a building), a figure showing the modified surface should be included in the appropriate annually submitted Periodic Review Report, and in any updates to the Site Management Plan. The Periodic Review Report should also certify that all intrusive and cover system repair activities were conducted in conformance with this Soil Management Plan.

4.6 Management of Subsurface Soil and Fill

The purpose of this section is to provide environmental guidelines for the management of soil and fill encountered during any future intrusive work that breaches the cover system. This SMP includes the following conditions:

- Any breach of the cover system, including for the purposes of construction or utilities work, must be replaced or repaired using an acceptable borrow source free of industrial and/or other potential sources of chemical or petroleum contamination. The repaired area must be covered with clean soil and reseeded, or covered with impervious product such as concrete or asphalt to prevent future erosion;

- During any intrusive activities that breach the cover system, the Contingency Plan of Section 4.7 must be implemented, if conditions so warrant. Dust monitoring and control techniques (e.g., wetting road surfaces, covering soil stockpiles, stopping intrusive activities during windy conditions, etc) must also be implemented;

- Soil and fill excavated at the Site that is intended to be removed from the property must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations as referenced in Section 4.8;

- Soil and fill excavated at the Site may be reused as backfill material on-site provided it contains no visual or olfactory evidence of contamination, and is placed beneath a cover system component as referenced in Section 4.4;

- Any off-site material brought to the Site for filling and grading purposes shall be from an acceptable borrow source free of industrial and/or other potential sources of chemical or petroleum contamination. Off-site borrow sources will be subject to the collection of one representative composite sample per source. The sample should be analyzed for TCL VOCs, TCL SVOCs, TCL pesticides, TCL PCBs, TAL metals and cyanide by a NYSDOH ELAP-certified laboratory. The soil will be acceptable for use as cover material provided that all parameters meet the 6 NYCRR Part 375 residential soil cleanup objectives (Appendix E);

- Prior to any construction activities, workers are to be notified of Site conditions with clear

instructions regarding how the work is to proceed. Invasive work performed at the property will be performed in accordance with all applicable local, state, and federal regulations to protect worker health and safety, including all applicable personal protective equipment.

4.7 Contingency Plan

If underground storage tanks or other previously unidentified contaminant sources are encountered during future intrusive work, excavation activities will be suspended until sufficient equipment is mobilized to address the situation. Such findings will be promptly communicated to the NYSDEC Region 9 Office in Buffalo, New York. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. Representative samples of product, soil and fill will be collected for chemical analysis to determine the nature of the material and proper disposal method. The samples should be analyzed for TCL VOCs, TCL SVOCs, TCL pesticides, TCL PCBs, TAL metals and cyanide by a NYSDOH ELAP certified laboratory. Disposal of this material should take place as referenced in Section 4.8.

4.8 Disposal of Subsurface Soil and Fill

Soil and fill that is excavated at the Site but cannot be used as fill below the cover system will be further characterized prior to transportation off-site for disposal at a permitted facility. For excavated soil and fill with visual evidence of contamination (i.e., staining or elevated PID measurements), one composite sample and one duplicate sample will be collected for every 100 cubic yards of material. For excavated soil and fill that does not exhibit visual evidence of contamination but must be sent for off-site disposal, one composite sample and one duplicate sample will be collected for every 2,000 cubic yards of material. A minimum of one composite sample and one duplicate sample will be collected for volumes less than 2,000 cubic yards.

The composite sample will be collected from five locations within each stockpile. A duplicate composite sample will also be collected. PID measurements will be recorded for each of the five individual locations. If elevated PID measurements are documented, one grab sample will be collected from the individual location with the highest PID measurement. If none of the individual samples exhibit PID readings, one grab sample will be selected at random. The composite sample will be analyzed for pH (EPA Method 9045C), TCL SVOCs, TCL pesticides, TCL PCBs, TAL metals and cyanide by a NYSDOH ELAP certified laboratory. The grab sample will be analyzed for TCL VOCs.

Samples will be composited by placing equal portions of soil and fill from each of the five composite sample locations into a pre-cleaned, stainless steel (or Pyrex glass) mixing bowl. The soil and fill will be thoroughly homogenized using a stainless steel trowel or disposable scoop, and transferred to pre-cleaned sample bottles provided by the laboratory. The sample bottles will be labeled and a chain-of-custody form will be prepared.

Additional characterization sampling for off-site disposal may be required by the disposal facility. To potentially reduce off-site disposal requirements/costs, the owner or site developer may also choose to characterize each stockpile individually.

If the analytical results indicate that concentrations exceed the standards for RCRA characteristics, the material will be considered a hazardous waste and must be properly disposed off-site at a permitted disposal facility within 90 days of excavation. If the analytical results indicate that the soil is not a hazardous waste, the material will be properly disposed off-site at a non-hazardous waste facility. Stockpiled soil cannot be transported on or off-site until the analytical results are received from the laboratory.

4.9 Subgrade Material

Subgrade material used to backfill excavations or placed to increase surface grades must meet the following criteria.

• Excavated on-site soil and fill that appears to be visually impacted shall be sampled and analyzed as described in Section 4.8. If analytical results indicate that contaminants are present at concentrations below the 6 NYCRR Part 375 commercial soil cleanup objectives (Appendix E), the soil and fill can be used as backfill on-site;

• Any off-site material brought to the Site for filling and grading purposes shall be from an acceptable borrow source free of industrial and/or other potential sources of chemical or petroleum contamination, and cannot otherwise be defined as a solid waste in accordance with 6 NYCRR Part 360-1.2(a);

• If the contractor designates a source as "virgin" soil, it shall be further documented in writing to be native soil material from areas not having supported any known prior industrial or commercial development or agricultural use;

• Virgin soil will be subject to the collection of one representative composite sample per source. The sample should be analyzed for TCL VOCs, TCL SVOCs, TCL pesticides, TCL PCBs, arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver and cyanide by a NYSDOH ELAP certified laboratory. The soil will be acceptable for use as backfill provided that all parameters meet the 6 NYCRR Part 375 commercial soil cleanup objectives as referenced in Appendix E;

• Non-virgin soil will be tested via collection of one composite sample per 500 cubic yards of material from each source. If more than 1,000 cubic yards of soil are borrowed from a given off-site nonvirgin source, and both samples of the first 1,000 cubic yards meet the 6 NYCRR Part 375 commercial soil cleanup objectives as referenced in Appendix E, the sample collection frequency will be reduced to one composite for every 2,500 cubic yards of additional soils from the same source, up to 5,000 cubic yards. For borrow sources greater than 5,000 cubic yards, sampling frequency may be reduced to one sample per 5,000 cubic yards, provided all earlier samples met the 6 NYCRR Part 375 commercial soil cleanup objectives.

4.10 2012 Site Usage

No excavation took place on-site in 2012.

SECTION 5 - CONCLUSIONS

1. Analytical test results identified volatile organic compound concentrations that exceeded groundwater standards. Analytical testing detected the volatiles: vinyl chloride, trans-1,2-dichloroethene, cis-1,2-dichloroethene and benzene at concentrations exceeding groundwater quality standards. Volatile organic compound concentrations were detected to be increasing in groundwater sampled from monitoring wells MW-1, MW-2, MW-7 and MW-8.

2. Semi-volatiles organic analytical test results detected concentrations of bis(2-ethylhexyl)phthalate, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene that exceeded groundwater quality standards in groundwater from monitoring well MW-7. Detected concentrations of bis(2-ethylhexyl)phthalate exceeded groundwater quality standards in groundwater from monitoring well MW-2.

3. Inorganic metals analytical test results detected concentrations of aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, zinc that exceed groundwater quality standards.

4. Trend analysis of volatile parameters indicates the concentrations of vinyl chloride and cis-1, 2-dichloroethene to be increasing at one or more monitoring wells.

5. Trend analysis of volatile parameters indicates the total VOC concentrations in monitoring well MW-1 have increased every year from 2009 to 2012 from 5.5 ug/l in 2009 to 73.0 ug/l in 2012.

6. Trend analysis of semi-volatile parameters indicates the concentrations of bis(2-ethylhexyl)phthalate to be increasing at monitoring wells MW-2 and MW-7.

7. Trend analysis of semi-volatile parameters indicates the concentrations of detected concentrations of fluoranthene, pyrene, bis(2-ethylhexyl)phthalate, benz(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, chrysene increased in monitoring well MW-7.

8. Based on 2012 analytical test results, the total VOC concentration plume appears to be migrating in a southwestward direction. Total VOC concentrations increased in groundwater

at monitoring wells MW-1 and MW-7. Total VOC concentrations decreased at monitoring wells MW-2 and MW-8.

TABLES

TABLE 1
153 Fillmore Avenue Site
City of Tonawanda

2012 Field Groundwater Parameters

Parameter	Monitoring Well Location					
	MW-1	MW-2	MW-5	MW-6	MW-7	MW-8
Temperature (°C)	19.85	16.28	21.51	20.38	20.17	21.90
pH	6.99	7.02	6.98	7.1	7.26	7.12
Conductivity (mS/cm)	0.65	0.587	0.987	0.65	0.53	0.74
Dissolved Oxygen (mg/L)	4.9	11.42	6.25	3.04	5.80	3.88
Turbidity (NTUs)[(1)]	NA	NA	233	72	703	59
ORP (mV)	-112.0	-67.0	-80.0	-99.0	-72.0	-69.0

Note: # 1: The field parameter probe was unable to record a turbidity reading due to very murky water at some well locations.

TABLE 2A

Monitoring Well MW-1

Groundwater Monitoring Well Data

153 Fillmore Avenue Site

Property	Units	07/22/09	07/15/10	07/22/11	07/24/12
Well Depth Top PVC	feet	13.8	13.8	13.8	13.8
Well Depth Elevation	feet	561.00	561.00	561.00	561.00
Depth to Static Water	feet	6.30	7.00	7.60	8.70
Height of Water	feet	7.50	6.80	6.20	5.10
Top PVC Elevation	feet	574.8	574.8	574.8	574.8
Static Water Level Elevation	feet	568.50	567.80	567.20	566.10
Well Casing Diameter	inch	2.0	2.0	2.0	2.0
Water Volume	gallon	1.21	1.09	1.00	0.82
Water Purged	gallon	3.64	3.26	2.99	2.46
Purging Method	-	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump

TABLE 2B

Monitoring Well MW-2

Groundwater Monitoring Well Data

153 Fillmore Avenue Site

Property	Units	07/22/09	07/15/10	07/22/11	07/24/12
Well Depth Top PVC	feet	13.5	13.5	13.5	13.5
Well Depth Elevation	feet	561.69	561.69	561.69	561.69
Depth to Static Water	feet	5.90	6.30	6.40	7.70
Height of Water	feet	7.60	7.20	7.10	5.80
Top PVC Elevation	feet	575.19	575.19	575.19	575.19
Static Water Level Elevation	feet	569.29	568.89	568.79	567.49
Well Casing Diameter	inch	2.0	2.0	2.0	2.0
Water Volume	gallon	1.22	1.15	1.14	0.93
Water Purged	gallon	3.67	3.46	3.41	2.78
Purging Method	-	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump

TABLE 2C

Monitoring Well MW-5

Groundwater Monitoring Well Data

153 Fillmore Avenue Site

Property	Units	10/17/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Well Depth Top PVC	feet	15.5	15.5	15.5	15.5	15.5	15.5	15.5
Well Depth Elevation	feet	562.82	562.82	562.82	562.82	562.82	562.82	562.82
Depth to Static Water	feet	8.41	9.40	6.90	8.50	8.30	8.80	10.80
Height of Water	feet	7.09	6.10	8.60	7.00	7.20	6.70	4.70
Top PVC Elevation	feet	578.32	578.32	578.32	578.32	578.32	578.32	578.32
Static Water Level Elevation	feet	569.91	568.92	571.42	569.82	570.02	569.52	567.52
Well Casing Diameter	inch	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Water Volume	gallon	0.64	0.55	0.77	1.90	0.65	0.60	0.42
Water Purged	gallon	1.91	1.65	1.00	1.50	1.50	1.81	1.27
Purging Method	-	-	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump

TABLE 2D

Monitoring Well MW-6

Groundwater Monitoring Well Data

153 Fillmore Avenue Site

Property	Units	10/17/01	07/26/07	08/27/08	07/23/09	07/15/10	07/22/11	07/24/12
Well Depth Top PVC	feet	17.3	17.3	17.3	17.3	17.3	17.3	17.3
Well Depth Elevation	feet	560.83	560.83	560.83	560.83	560.83	560.83	560.83
Depth to Static Water	feet	7.93	8.50	6.70	8.7	8.1	8.5	10.2
Height of Water	feet	9.37	8.80	10.60	8.60	9.20	8.80	7.10
Top PVC Elevation	feet	578.13	578.13	578.13	578.13	578.13	578.13	578.13
Static Water Level Elevation	feet	570.2	569.63	571.43	569.43	570.03	569.63	567.93
Well Casing Diameter	inch	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Water Volume	gallon	0.84	0.79	0.95	0.78	0.83	0.79	0.64
Water Purged	gallon	2.53	2.38	2.86	2.34	2.48	2.38	1.92
Purging Method	-	-	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump

TABLE 2E

Monitoring Well MW-7

Groundwater Monitoring Well Data

153 Fillmore Avenue Site

Property	Units	10/17/01	07/26/07	08/27/08	07/23/09	07/15/10	07/22/11	07/24/12
Well Depth Top PVC	feet	23.5	23.5	23.5	23.5	23.5	23.5	23.5
Well Depth Elevation	feet	562.76	562.76	562.76	562.76	562.76	562.76	562.76
Depth to Static Water	feet	4.86	16.50	14.70	(1)	(1)	(1)	(1)
Height of Water	feet	18.64	7.00	8.80	(1)	(1)	(1)	(1)
Top PVC Elevation	feet	586.26	586.26	586.26	586.26	586.26	586.26	586.26
Static Water Level Elevation	feet	581.4	569.76	571.56	(1)	(1)	(1)	(1)
Well Casing Diameter	inch	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Water Volume	gallon	1.68	0.63	0.79	(1)	(1)	(1)	(1)
Water Purged	gallon	5.03	1.89	1.50	1.50	1.25	1.25	1.25
Purging Method	-	-	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump

Note: 1. There was an obstruction in the well at a depth of 8.8 feet in which the water level indicator could not proceed further down the well. The initial static water level from 2007 and 2008 were used to determine the amount of water to be purged.

TABLE 2F

Monitoring Well MW-8

Groundwater Monitoring Well Data

153 Fillmore Avenue Site

Property	Units	10/17/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Well Depth Top PVC	feet	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Well Depth Elevation	feet	560.93	560.93	560.93	560.93	560.93	560.93	560.93
Depth to Static Water	feet	8.16	8.50	6.90	7.8	8.4	8.9	10.6
Height of Water	feet	9.34	9.00	10.60	9.70	9.10	8.60	6.90
Top PVC Elevation	feet	578.43	578.43	578.43	578.43	578.43	578.43	578.43
Static Water Level Elevation	feet	570.27	569.93	571.53	570.63	570.03	569.53	567.83
Well Casing Diameter	inch	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Water Volume	gallon	0.84	0.81	0.95	0.87	0.82	0.77	0.62
Water Purged	gallon	2.52	2.43	3.00	2.62	2.46	2.32	1.86
Purging Method	-	-	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump	Peristalic Pump

TABLE 3A
Monitoring Well MW-1
Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/07/01	07/22/09	07/15/10	07/22/11	07/24/12
Chloromethane	NE	µg/L	-	ND	ND	ND	ND
Vinyl chloride	2.0	µg/L	ND	ND	**3 J**	**3 J**	**16**
Bromomethane	5.0	µg/L	-	ND	ND	ND	ND
Chloroethane	5.0	µg/L	-	ND	ND	ND	ND
Acetone	50.0	µg/L	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND
Carbon disulfide	60.0	µg/L	-	ND	ND	ND	ND
Methylene chloride	5.0	µg/L	-	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	**2.3 J**
1,1-Dichloroethane	5.0	µg/L	ND	ND	ND	ND	ND
2-Butanone	50.0	µg/L	-	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	µg/L	**47**	**5.5**	**13**	**23**	**55**
Chloroform	7.0	µg/L	-	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	µg/L	-	ND	ND	ND	ND
Carbon tetrachloride	5.0	µg/L	-	ND	ND	ND	ND
Benzene	1.0	µg/L	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	µg/L	-	ND	ND	ND	ND
Trichloroethene	5.0	µg/L	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	µg/L	-	ND	ND	ND	ND
Bromodichloromethane	50.0	µg/L	-	ND	ND	ND	ND
4-Methyl-2-pentanone	NE	µg/L	-	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND
Toluene	5.0	µg/L	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	µg/L	-	ND	ND	ND	ND
2-Hexanone	50.0	µg/L	-	ND	ND	ND	ND
Tetrachloroethene	5.0	µg/L	ND	ND	ND	ND	ND
Dibromochloromethane	50.0	µg/L	-	ND	ND	ND	ND
Chlorobenzene	5.0	µg/L	-	ND	ND	ND	ND
Ethylbenzene	5.0	µg/L	ND	ND	ND	ND	ND
m,p-Xylene	5.0	µg/L	ND	ND	ND	ND	ND
o-Xylene	5.0	µg/L	ND	ND	ND	ND	ND
Styrene	5.0	µg/L	ND	ND	ND	ND	ND
Bromoform	50.0	µg/L	-	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	µg/L	-	ND	ND	ND	ND
Total VOCs		µg/L	47.0	5.5	16.0	26.0	73.3
Total VOCs		mg/L	0.047	0.006	0.016	0.026	0.073

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98 Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
* Dilution factor of 5 used
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 3B
Monitoring Well MW-2
Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/07/01	07/22/09	07/15/10	07/22/11	07/24/12
Chloromethane	NE	µg/L	-	ND	ND	ND	ND
Vinyl chloride	2.0	µg/L	ND	**82**	**64**	**28**	**21**
Bromomethane	5.0	µg/L	-	ND	ND	ND	ND
Chloroethane	5.0	µg/L	-	ND	ND	ND	ND
Acetone	50.0	µg/L	ND	ND	ND	**11**	ND
1,1-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND
Carbon disulfide	60.0	µg/L	-	ND	ND	ND	ND
Methylene chloride	5.0	µg/L	-	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	µg/L	ND	**4 J**	ND	ND	ND
1,1-Dichloroethane	5.0	µg/L	ND	ND	ND	ND	ND
2-Butanone	50.0	µg/L	-	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	µg/L	ND	ND	**54**	**12**	**2.7 J**
Chloroform	7.0	µg/L	-	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	µg/L	-	ND	ND	ND	ND
Carbon tetrachloride	5.0	µg/L	-	ND	ND	ND	ND
Benzene	1.0	µg/L	ND	**6.7**	ND	**5 J**	**2.9 J**
1,2-Dichloroethane	0.6	µg/L	-	ND	ND	ND	ND
Trichloroethene	5.0	µg/L	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	µg/L	-	ND	ND	ND	ND
Bromodichloromethane	50.0	µg/L	-	ND	ND	ND	ND
4-Methyl-2-pentanone	NE	µg/L	-	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND
Toluene	5.0	µg/L	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	µg/L	-	ND	ND	ND	ND
2-Hexanone	50.0	µg/L	-	ND	ND	ND	ND
Tetrachloroethene	5.0	µg/L	ND	ND	ND	ND	ND
Dibromochloromethane	50.0	µg/L	-	ND	ND	ND	ND
Chlorobenzene	5.0	µg/L	-	ND	ND	ND	ND
Ethylbenzene	5.0	µg/L	ND	ND	ND	ND	ND
m,p-Xylene	5.0	µg/L	ND	ND	ND	ND	ND
o-Xylene	5.0	µg/L	ND	ND	ND	ND	ND
Styrene	5.0	µg/L	ND	ND	ND	ND	ND
Bromoform	50.0	µg/L	-	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	µg/L	-	ND	ND	ND	ND
Total VOCs		µg/L	0	92.7	118.0	56.0	26.6
Total VOCs		mg/L	0.000	0.093	0.118	0.056	0.027

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98 Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
* Dilution factor of 5 used
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 3C
Monitoring Well MW-5
Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/07/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Chloromethane	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acetone	50.0	µg/L	**30**	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60.0	µg/L	-	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Chloroform	7.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benzene	1.0	µg/L	**2**	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	µg/L	-	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NE	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Toluene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Bromoform	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Total VOCs		µg/L	32.0	0	0	0	0	0	0
Total VOCs		mg/L	0.032	0.000	0.000	0.000	0.000	0.000	0.000

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98 Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
* Dilution factor of 5 used
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 3D
Monitoring Well MW-6
Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/07/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Chloromethane	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	µg/L	ND	ND	**99**	**42**	**5**	ND	ND
Bromomethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acetone	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60.0	µg/L	-	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	µg/L	ND	ND	ND	**3 J**	ND	ND	ND
1,1-Dichloroethane	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	µg/L	ND	ND	**240**	**51**	**2 J**	ND	ND
Chloroform	7.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benzene	1.0	µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	µg/L	-	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	µg/L	ND	ND	ND	**2 J**	ND	ND	ND
1,2-Dichloropropane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NE	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Toluene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5.0	µg/L	**5**	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Bromoform	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Total VOCs		µg/L	5.0	0	339.0	98.0	7.1	0	0
Total VOCs		mg/L	0.005	0.000	0.339	0.098	0.007	0.000	0.000

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98 Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
* Dilution factor of 5 used
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 3E
Monitoring Well MW-7
Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/07/01	07/26/07	08/27/08	07/23/09	07/15/10	07/22/11	07/24/12
Chloromethane	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	µg/L	**10**	**40 J**	ND	**2 J**	ND	ND	**17**
Bromomethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acetone	50.0	µg/L	ND	ND	ND	ND	ND	**27**	**29**
1,1-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60.0	µg/L	-	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	µg/L	ND	**10 J**	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	µg/L	**150**	**270**	ND	**14**	**45**	**9.4**	**29**
Chloroform	7.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benzene	1.0	µg/L	**36**	ND	ND	**1 J**	ND	ND	ND
1,2-Dichloroethane	0.6	µg/L	-	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	µg/L	**19**	**10 J**	ND	**5.2**	ND	**3 J**	**3.9 J**
1,2-Dichloropropane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NE	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Toluene	5.0	µg/L	**660**	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	µg/L	ND	**10 J**	ND	ND	ND	ND	**2.5 J**
Dibromochloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	µg/L	**690**	ND	ND	**2 J**	ND	ND	ND
m,p-Xylene	5.0	µg/L	**660**	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	µg/L	**440**	ND	ND	ND	ND	ND	ND
Styrene	5.0	µg/L	**16**	ND	ND	ND	ND	ND	ND
Bromoform	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Total VOCs		µg/L	2,681.0	340.0	0	24.2	45.0	39.4	81.4
Total VOCs		mg/L	2.681	0.340	0.000	0.024	0.045	0.039	0.081

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98 Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
[3] Dilution factor of 5 used
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 3F
Monitoring Well MW-8
Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/07/01	07/26/07	08/27/08	07/23/09*	07/15/10	07/22/11	07/24/12
Chloromethane	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Vinyl chloride	2.0	µg/L	**54**	**190**	**160**	**190**	**240**	**120**	**110**
Bromomethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acetone	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60.0	µg/L	-	ND	ND	ND	ND	ND	ND
Methylene chloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5.0	µg/L	**7**	**15**	**20 J**	**20 J**	**10 J**	**11**	**4.9**
1,1-Dichloroethane	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	µg/L	**31**	**160**	**230**	**370**	**260**	**52**	**22**
Chloroform	7.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benzene	1.0	µg/L	**4**	ND	ND	ND	ND	**3 J**	**2.4 J**
1,2-Dichloroethane	0.6	µg/L	-	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NE	µg/L	-	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Toluene	5.0	µg/L	ND	**2 J**	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Hexanone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Chlorobenzene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Ethylbenzene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5.0	µg/L	**6**	ND	ND	ND	ND	ND	ND
o-Xylene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Styrene	5.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Bromoform	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Total VOCs		µg/L	102.0	367.0	410.0	580.0	510.0	186.0	144.2
Total VOCs		mg/L	0.102	0.367	0.410	0.580	0.510	0.186	0.144

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98 Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
* Dilution factor of 5 used
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 4A
Monitoring Well MW-1
Semi-Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Semi-Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/23/09	07/15/10	07/22/11	07/24/12
Phenol	1.0	µg/L	-	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.0	µg/L	-	ND	ND	ND	ND
2-Chlorophenol	NE	µg/L	-	ND	ND	ND	ND
1,3-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND
1,4-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND
2-Methylphenol	NE	µg/L	-	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NE	µg/L	-	ND	ND	ND	ND
Hexachloroethane	5.0	µg/L	-	ND	ND	ND	ND
Nitrobenzene	0.4	µg/L	-	ND	ND	ND	ND
Isophorone	50.0	µg/L	-	ND	ND	ND	ND
2-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND
2,4-Dimethylphenol	50.0	µg/L	-	ND	ND	ND	ND
bis(2-chloroethoxy) methane	5.0	µg/L	-	ND	ND	ND	ND
2,4-Dichlorophenol	1.0	µg/L	-	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	µg/L	-	ND	ND	ND	ND
Naphthalene	10.0	µg/L	ND	ND	ND	ND	ND
4-Chloroaniline	5.0	µg/L	-	ND	ND	ND	ND
Hexachlorobutadiene	0.5	µg/L	-	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	µg/L	-	ND	ND	ND	ND
2-Methylnaphthalene	NE	µg/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	µg/L	-	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND
2-Chloronaphthalene	10.0	µg/L	-	ND	ND	ND	ND
2-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND
Dimethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
Acenaphthylene	NE	µg/L	-	ND	ND	ND	ND
2,6-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND
3-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND
Acenaphthene	20.0	µg/L	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10.0	µg/L	-	ND	ND	ND	ND
4-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND
Dibenzofuran	50.0	µg/L	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND
Diethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND
Fluorene	50.0	µg/L	ND	ND	ND	ND	ND
4-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	µg/L	-	ND	ND	ND	ND
N-Nitrosodiphenylamine	50.0	µg/L	-	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND
Hexachlorobenzene	0.04	µg/L	-	ND	ND	ND	ND
Pentachlorophenol	1.0	µg/L	-	ND	ND	ND	ND
Phenanthrene	50.0	µg/L	ND	ND	ND	ND	ND
Anthracene	50.0	µg/L	ND	ND	ND	ND	ND
Carbazole	NE	µg/L	-	ND	ND	ND	ND
Di-n-butyl phthalate	50.0	µg/L	-	**2 J**	ND	ND	ND
Fluoranthene	50.0	µg/L	ND	ND	ND	ND	ND
Pyrene	50.0	µg/L	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5.0	µg/L	-	ND	ND	ND	ND
Benz(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND
bis(2-ethylhexyl) phthalate	5.0	µg/L	ND	**8 J**	**1 J**	**6.2 B**	**2.3 J**
Di-n-octyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND
Benzo(a)pyrene	NE	µg/L	-	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	ND	ND	ND	ND
Dibenz(a,h)anthracene)	NE	µg/L	-	ND	ND	ND	ND
Benzo(g,h,i) perylene	NE	µg/L	-	ND	ND	ND	ND
(3+4)-Methylphenol	NE	µg/L	-	ND	ND	ND	ND
bis(2-chloroisopropyl) ether	NE	µg/L	-	ND	ND	ND	ND

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. 06/98, Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
B - Analyite detected in the associated Method Blank
- = The analyte was not sampled for.

TABLE 4B
Monitoring Well MW-2
Semi-Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Semi-Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/23/09	07/15/10	07/22/11	07/24/12
Phenol	1.0	µg/L	-	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.0	µg/L	-	ND	ND	ND	ND
2-Chlorophenol	NE	µg/L	-	ND	ND	ND	ND
1,3-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND
1,4-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND
2-Methylphenol	NE	µg/L	-	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NE	µg/L	-	ND	ND	ND	ND
Hexachloroethane	5.0	µg/L	-	ND	ND	ND	ND
Nitrobenzene	0.4	µg/L	-	ND	ND	ND	ND
Isophorone	50.0	µg/L	-	ND	ND	ND	ND
2-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND
2,4-Dimethylphenol	50.0	µg/L	-	ND	ND	ND	ND
bis(2-chloroethoxy) methane	5.0	µg/L	-	ND	ND	ND	ND
2,4-Dichlorophenol	1.0	µg/L	-	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	µg/L	-	ND	ND	ND	ND
Naphthalene	10.0	µg/L	ND	ND	ND	ND	ND
4-Chloroaniline	5.0	µg/L	-	ND	ND	ND	ND
Hexachlorobutadiene	0.5	µg/L	-	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	µg/L	-	ND	ND	ND	ND
2-Methylnaphthalene	NE	µg/L	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	µg/L	-	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND
2-Chloro-phthalene	10.0	µg/L	-	ND	ND	ND	ND
2-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND
Dimethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
Acenaphthylene	NE	µg/L	-	ND	ND	ND	ND
2,6-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND
3-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND
Acenaphthene	20.0	µg/L	ND	**1 J**	ND	ND	**2.3 J**
2,4-Dinitrophenol	10.0	µg/L	-	ND	ND	ND	ND
4-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND
Dibenzofuran	50.0	µg/L	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND
Diethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND
Fluorene	50.0	µg/L	ND	ND	ND	ND	ND
4-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	µg/L	-	ND	ND	ND	ND
N-Nitrosodiphenylamine	50.0	µg/L	-	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND
Hexachlorobenzene	0.04	µg/L	-	ND	ND	ND	ND
Pentachlorophenol	1.0	µg/L	-	ND	ND	ND	ND
Phenanthrene	50.0	µg/L	ND	ND	ND	ND	ND
Anthracene	50.0	µg/L	ND	ND	ND	ND	ND
Carbazole	NE	µg/L	-	ND	ND	ND	ND
Di-n-butyl phthalate	50.0	µg/L	-	**2 J**	ND	ND	**1.2 J**
Fluoranthene	50.0	µg/L	ND	ND	ND	ND	ND
Pyrene	50.0	µg/L	ND	ND	ND	ND	**1.1 J**
Butyl benzyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5.0	µg/L	-	ND	ND	ND	ND
Benz(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND
bis(2-ethylhexyl) phthalate	5.0	µg/L	ND	**9 J**	**30 J**	**6.5 B**	**25**
Di-n-octyl phthalate	50.0	µg/L	-	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND
Benzo(a)pyrene	NE	µg/L	-	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	ND	ND	ND	ND
Dibenz(a,h)anthracene)	NE	µg/L	-	ND	ND	ND	ND
Benzo(g,h,i) perylene	NE	µg/L	-	ND	ND	ND	ND
(3+4)-Methylphenol	NE	µg/L	-	ND	ND	ND	ND
bis(2-chloroisopropyl) ether	NE	µg/L	-	ND	ND	ND	ND

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. 06/98, Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
- = The analyte was not sampled for.

TABLE 4C
Monitoring Well MW-5
Semi-Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Semi-Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Phenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Isophorone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy) methane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	µg/L	**59**	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	µg/L	**800**	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chloro-phthalene	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthene	20.0	µg/L	**65**	ND	ND	ND	ND	**1 J**	**1.5 J**
2,4-Dinitrophenol	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenzofuran	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Fluorene	50.0	µg/L	**93**	ND	ND	ND	ND	ND	**1.2 J**
4-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	µg/L	-	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Phenanthrene	50.0	µg/L	**220**	ND	ND	ND	ND	ND	ND
Anthracene	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbazole	NE	µg/L	-	ND	ND	ND	ND	**2 J**	**3.2 J**
Di-n-butyl phthalate	50.0	µg/L	-	ND	ND	**3 J**	**2 J**	ND	ND
Fluoranthene	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Pyrene	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl) phthalate	5.0	µg/L	ND	**4 J**	**7 J**	**7 J**	**3 J**	**4 J**	ND
Di-n-octyl phthalate	50.0	µg/L	-	**75**	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene)	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(g,h,i) perylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
(3+4)-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroisopropyl) ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. 06/98, Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
B - Analyite detected in the associated Method Blank
- = The analyte was not sampled for.

TABLE 4D
Monitoring Well MW-6
Semi-Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Semi-Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Phenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Isophorone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NE	µg/L	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy) methane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	µg/L	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	µg/L	800	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chloro-phthalene	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthene	20.0	µg/L	**120**	ND	**3 J**	ND	ND	**2 J**	**3.4 J**
2,4-Dinitrophenol	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenzofuran	50.0	µg/L	**72**	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Fluorene	50.0	µg/L	**200**	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	µg/L	-	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Phenanthrene	50.0	µg/L	**530**	ND	ND	ND	ND	ND	ND
Anthracene	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbazole	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50.0	µg/L	-	ND	ND	**3 J**	ND	ND	ND
Fluoranthene	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Pyrene	50.0	µg/L	**64**	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl) phthalate	5.0	µg/L	ND	**8 J**	**2 J**	**8 J**	**3 J**	**4 J**	ND
Di-n-octyl phthalate	50.0	µg/L	-	**5 J**	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene)	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(g,h,i) perylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
(3+4)-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroisopropyl) ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. 06/98, Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
B - Analyite detected in the associated Method Blank
- = The analyte was not sampled for.

TABLE 4E
Monitoring Well MW-7
Semi-Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Semi-Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/23/09	07/15/10	07/22/11	07/24/12
Phenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Isophorone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NE	µg/L	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy) methane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	µg/L	**3,000**	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	µg/L	**1,100**	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chloro-phthalene	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthene	20.0	µg/L	**590**	ND	ND	ND	ND	ND	**9.6 J**
2,4-Dinitrophenol	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenzofuran	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Fluorene	50.0	µg/L	**430**	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	µg/L	-	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Phenanthrene	50.0	µg/L	**1,100**	ND	ND	ND	ND	ND	ND
Anthracene	50.0	µg/L	**350**	ND	ND	ND	ND	ND	ND
Carbazole	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50.0	µg/L	-	ND	ND	**3 J**	**1 J**	ND	ND
Fluoranthene	50.0	µg/L	**270**	ND	ND	ND	ND	ND	**9.4 J**
Pyrene	50.0	µg/L	**480**	**3 J**	ND	ND	ND	ND	**28**
Butyl benzyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	0.002	µg/L	**150**	**1 J**	ND	ND	ND	ND	**16**
Chrysene	0.002	µg/L	**140**	**1 J**	ND	ND	ND	ND	**17**
bis(2-ethylhexyl) phthalate	5.0	µg/L	ND	ND	ND	**82**	**2 J**	**7 J**	**8.6 J**
Di-n-octyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	-	**1 J**	ND	ND	ND	ND	**16**
Benzo(k)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND	ND	**16**
Benzo(a)pyrene	NE	µg/L	-	**2 J**	ND	ND	ND	ND	**29**
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene)	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(g,h,i) perylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
(3+4)-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroisopropyl) ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998. Class GA.
Bolded concentrations indicated the analyte was detected.
Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 4F
Monitoring Well MW-8
Semi-Volatile Organic Analytical Test Results
153 Fillmore Avenue Site

Semi-Volatile Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Phenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroethyl) ether	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachloroethane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	µg/L	-	ND	ND	ND	ND	ND	ND
Isophorone	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NE	µg/L	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy) methane	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Naphthalene	10.0	µg/L	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	µg/L	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2-Chloro-phthalene	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Acenaphthene	20.0	µg/L	**13**	**4 J**	**3 J**	**2 J**	**2 J**	**1 J**	**1.4 J**
2,4-Dinitrophenol	10.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenzofuran	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Fluorene	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	µg/L	-	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.0	µg/L	-	ND	ND	ND	ND	ND	ND
Phenanthrene	50.0	µg/L	**6**	ND	ND	ND	ND	ND	ND
Anthracene	50.0	µg/L	ND	ND	ND	ND	ND	ND	ND
Carbazole	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50.0	µg/L	-	ND	ND	**4 J**	**2 J**	ND	ND
Fluoranthene	50.0	µg/L	**8**	ND	ND	ND	ND	ND	ND
Pyrene	50.0	µg/L	**9**	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	µg/L	ND	ND	ND	ND	ND	ND	ND
bis(2-ethylhexyl) phthalate	5.0	µg/L	**95**	ND	ND	**8 J**	**3 J**	**4 J**	ND
Di-n-octyl phthalate	50.0	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	µg/L	-	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Benzo(g,h,i) perylene	NE	µg/L	-	ND	ND	ND	ND	ND	ND
(3+4)-Methylphenol	NE	µg/L	-	ND	ND	ND	ND	ND	ND
bis(2-chloroisopropyl) ether	NE	µg/L	-	ND	ND	ND	ND	ND	ND

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. 06/98, Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
B - Analyite detected in the associated Method Blank
- = The analyte was not sampled for.

TABLE 5A
Monitoring Well MW-1
Inorganic Metals Analytical Test Results
153 Fillmore Avenue Site

Metals Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/22/09	07/15/10	07/22/11	07/24/12
Aluminum	2,000	µg/L	-	**4,760**	**48,000**	**37,300**	**215,000**
Antimony	6	µg/L	-	ND	ND	ND	ND
Arsenic	50	µg/L	**11**	ND	**23**	**36**	**184**
Barium	2,000	µg/L	**301**	**265**	**590**	**545**	**1,920**
Beryllium	3	µg/L	-	ND	ND	ND	**7.62**
Cadmium	10	µg/L	ND	ND	**10.4**	ND	**151**
Calcium	NE	µg/L	-	**188,000**	**635,000**	**400,000**	**1,130,000**
Chromium	50	µg/L	ND	ND	**67.7**	**58.2**	**287**
Cobalt	NE	µg/L	-	ND	**49**	**35.5**	**160**
Copper	1,000	µg/L	-	**16.6**	**77.7**	**89.5**	**437**
Iron	600	µg/L	-	**22,200**	**112,000**	**81,800**	**311,000**
Lead	50	µg/L	**7**	**3.78**	**80**	**62**	**518**
Magnesium	35,000	µg/L	-	**35,800**	**127,000**	**61,400**	**226,000**
Manganese	600	µg/L	-	**2,250**	**7,410**	**5,100**	**9,570**
Mercury	0.7	µg/L	ND	ND	**0.22**	ND	**0.52**
Nickel	200	µg/L	-	ND	**121**	**78.2**	**436**
Potassium	NE	µg/L	-	**4,650**	**12,600**	**12,400**	**51,100**
Selenium	10	µg/L	-	ND	**3.9**	ND	ND
Silver	50	µg/L	-	ND	ND	ND	ND
Sodium	NE	µg/L	-	**79,500**	**71,300**	**81,000**	**54,000**
Thallium	0.5	µg/L	-	ND	ND	ND	ND
Vanadium	NE	µg/L	-	ND	**102**	**87**	**343**
Zinc	5,000	µg/L	-	**28.1**	**402**	**307**	**1,310**

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98. Class G
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 5B
Monitoring Well MW-2
Inorganic Metals Analytical Test Results
153 Fillmore Avenue Site

Metals Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/22/09	07/15/10	07/22/11	07/24/12
Aluminum	2,000	µg/L	-	**3,250**	**98,500**	**35,400**	**265,000**
Antimony	6	µg/L	-	ND	ND	ND	ND
Arsenic	50	µg/L	**5**	ND	**17**	**32**	**297**
Barium	2,000	µg/L	**73**	**261**	**2,330**	**724**	**3,890**
Beryllium	3	µg/L	-	ND	**5**	ND	**8.35**
Cadmium	10	µg/L	ND	ND	**20**	**5.32**	**233**
Calcium	NE	µg/L	-	**213,000**	**1,240,000**	**417,000**	**2,550,000**
Chromium	50	µg/L	ND	ND	**146**	**56.2**	**336.0**
Cobalt	NE	µg/L	-	ND	**90**	**30.6**	**190**
Copper	1,000	µg/L	-	**29.1**	**611**	**199**	**1,510**
Iron	600	µg/L	-	**11,300**	**165,000**	**71,700**	**393,000**
Lead	50	µg/L	**2**	**13.1**	**410**	**140**	**1,150**
Magnesium	35,000	µg/L	-	**53,400**	**315,000**	**119,000**	**706,000**
Manganese	600	µg/L	-	**490**	**5,250**	**2,110**	**8,930**
Mercury	0.7	µg/L	ND	ND	**2.8**	**0.542**	**2.04**
Nickel	200	µg/L	-	ND	**222**	**71.6**	**534**
Potassium	NE	µg/L	-	**3,580**	**20,900**	**11,000**	**554,000**
Selenium	10	µg/L	-	ND	**5.6**	ND	ND
Silver	50	µg/L	-	ND	ND	ND	ND
Sodium	NE	µg/L	-	**56,900**	**60,500**	**58,700**	**514,000**
Thallium	0.5	µg/L	-	ND	ND	ND	ND
Vanadium	NE	µg/L	-	ND	**153**	**76**	**356**
Zinc	5,000	µg/L	-	**79.8**	**2,060**	**606**	**4,100**

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98. Class G
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 5C
Monitoring Well MW-5
Inorganic Metals Analytical Test Results
153 Fillmore Avenue Site

Metals Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Aluminum	2,000	µg/L	-	**1,440**	**5,740**	**6,990**	**2,640**	**1,480**	**161**
Antimony	6	µg/L	-	ND	ND	ND	ND	ND	ND
Arsenic	50	µg/L	**11**	ND	ND	ND	ND	ND	ND
Barium	2,000	µg/L	**2,390**	**160**	**666**	**522**	**176**	**239**	**172**
Beryllium	3	µg/L	-	ND	ND	ND	ND	ND	ND
Cadmium	10	µg/L	**22**	ND	**7**	ND	ND	ND	ND
Calcium	NE	µg/L	-	**164,000**	**163,000**	**193,000**	**173,000**	**159,000**	**140,000**
Chromium	50	µg/L	ND	ND	**13.9**	**22.1**	ND	ND	ND
Cobalt	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Copper	1,000	µg/L	-	**20.8**	**45.9**	**79.1**	**12.9**	**22**	ND
Iron	600	µg/L	-	**2,880**	**12,400**	**17,200**	**7,090**	**4,970**	**3,450**
Lead	50	µg/L	**580**	**64.5**	**231**	**527**	**170**	**91**	ND
Magnesium	35,000	µg/L	-	**31,700**	**38,500**	**59,600**	**39,800**	**34,600**	**31,400**
Manganese	600	µg/L	-	**530**	**509**	**591**	**569**	**437**	**225**
Mercury	0.7	µg/L	ND	ND	ND	ND	ND	ND	**0.689**
Nickel	200	µg/L	-	ND	ND	ND	ND	ND	ND
Potassium	NE	µg/L	-	ND	**4,270**	**2,030**	ND	ND	ND
Selenium	10	µg/L	-	**8.1**	ND	ND	ND	ND	**47.7**
Silver	50	µg/L	-	ND	ND	ND	ND	ND	ND
Sodium	NE	µg/L	-	**24,200**	**18,400**	**17,200**	**20,100**	**19,000**	**11,000**
Thallium	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
Vanadium	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Zinc	5,000	µg/L	-	**1,690**	**2,310**	**1,670**	**2,740**	**984**	**165**

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98. Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 5D
Monitoring Well MW-6
Inorganic Metals Analytical Test Results
153 Fillmore Avenue Site

Metals Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/23/09	07/15/10	07/22/11	07/24/12
Aluminum	2,000	µg/L	-	**148**	**1,630**	**843**	**941**	**202**	ND
Antimony	6	µg/L	-	ND	ND	ND	ND	ND	ND
Arsenic	50	µg/L	ND	ND	ND	ND	ND	ND	ND
Barium	2,000	µg/L	**1,660**	**234**	**242**	**230**	**213**	**191**	**207**
Beryllium	3	µg/L	-	ND	ND	ND	ND	ND	ND
Cadmium	10	µg/L	ND	ND	ND	ND	ND	ND	ND
Calcium	NE	µg/L	-	**156,000**	**132,000**	**146,000**	**137,000**	**130,000**	**149,000**
Chromium	50	µg/L	**22**	ND	ND	ND	ND	ND	ND
Cobalt	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Copper	1,000	µg/L	-	ND	ND	ND	ND	ND	ND
Iron	600	µg/L	-	**7,270**	**10,700**	**8,050**	**9,530**	**7,090**	**6,220**
Lead	50	µg/L	**84**	ND	**5.91**	**3.82**	**9.5**	ND	ND
Magnesium	35,000	µg/L	-	**27,900**	**24,300**	**27,900**	**24,600**	**24,800**	**29,100**
Manganese	600	µg/L	-	**1,200**	**2,720**	**1,690**	**1,860**	**1,480**	**1,080**
Mercury	0.7	µg/L	**0.2**	ND	ND	ND	ND	ND	ND
Nickel	200	µg/L	-	ND	ND	ND	ND	ND	ND
Potassium	NE	µg/L	-	**2,190**	**3,190**	**3,260**	ND	ND	ND
Selenium	10	µg/L	-	**13.5**	ND	ND	ND	ND	ND
Silver	50	µg/L	-	ND	ND	ND	ND	ND	ND
Sodium	NE	µg/L	-	**21,600**	**21,600**	**20,600**	**16,900**	**16,000**	**14,700**
Thallium	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
Vanadium	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Zinc	5,000	µg/L	-	**63.2**	**47.6**	**29.4**	**39.7**	**51.6**	**18.7**

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98. Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 5E
Monitoring Well MW-7
Inorganic Metals Analytical Test Results
153 Fillmore Avenue Site

Metals Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/23/09	07/15/10	07/22/11	07/24/12
Aluminum	2,000	µg/L	-	**3,390**	**22,700**	**4,050**	**2,120**	**5,360**	**4,970**
Antimony	6	µg/L	-	ND	ND	ND	ND	ND	**35.5**
Arsenic	50	µg/L	**6**	ND	ND	ND	**6**	ND	**115**
Barium	2,000	µg/L	**163**	**76.2**	**173**	**96**	**64**	**84.4**	**102**
Beryllium	3	µg/L	-	ND	ND	ND	ND	ND	ND
Cadmium	10	µg/L	ND	**11.7**	**40.2**	ND	ND	**15.7**	**50.3**
Calcium	NE	µg/L	-	**145,000**	**299,000**	**166,000**	**135,000**	**185,000**	**149,000**
Chromium	50	µg/L	ND	**7.28**	**36.6**	ND	ND	**10.8**	**10.9**
Cobalt	NE	µg/L	-	ND	**30.0**	ND	ND	ND	ND
Copper	1,000	µg/L	-	**106**	**293**	**162**	**63**	**134**	**250**
Iron	600	µg/L	-	**11,200**	**38,000**	**15,200**	**9,950**	**17,000**	**13,500**
Lead	50	µg/L	**36**	**96.6**	**451**	**231**	**120**	**180**	**329**
Magnesium	35,000	µg/L	-	**38,100**	**60,500**	**30,600**	**29,500**	**43,500**	**30,700**
Manganese	600	µg/L	-	**942**	**2,210**	**1,380**	**508**	**1,440**	**849**
Mercury	0.7	µg/L	ND	ND	**0.211**	ND	ND	ND	**0.541**
Nickel	200	µg/L	-	ND	**112**	**36.8**	ND	**36.2**	**32.7**
Potassium	NE	µg/L	-	**12,500**	**15,000**	**13,900**	**9,940**	**11,100**	**11,100**
Selenium	10	µg/L	-	**17.1**	ND	ND	ND	ND	**119**
Silver	50	µg/L	-	ND	ND	ND	ND	ND	ND
Sodium	NE	µg/L	-	**72,900**	**34,500**	**88,600**	**72,100**	**65,100**	**58,600**
Thallium	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
Vanadium	NE	µg/L	-	ND	**46.0**	ND	ND	ND	ND
Zinc	5,000	µg/L	-	**2,540**	**21,000**	**7,010**	**2,470**	**6,270**	**7,080**

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98. Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

TABLE 5F
Monitoring Well MW-8
Inorganic Metals Analytical Test Results
153 Fillmore Avenue Site

Metals Compounds	NYSDEC TOGS 1.1.1 Water Quality Standards[1]	Units	08/08/01	07/26/07	08/27/08	07/22/09	07/15/10	07/22/11	07/24/12
Aluminum	2,000	µg/L	-	ND	**1,420**	**722**	**199**	ND	ND
Antimony	6	µg/L	-	ND	ND	ND	ND	ND	ND
Arsenic	50	µg/L	**14**	ND	ND	ND	ND	ND	ND
Barium	2,000	µg/L	**880**	**172**	**175**	**125**	**133**	**107**	**110**
Beryllium	3	µg/L	-	ND	ND	ND	ND	ND	ND
Cadmium	10	µg/L	ND	ND	ND	ND	ND	ND	ND
Calcium	NE	µg/L	-	**157,000**	**149,000**	**141,000**	**144,000**	**141,000**	**147,000**
Chromium	50	µg/L	**15**	ND	ND	ND	ND	ND	ND
Cobalt	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Copper	1,000	µg/L	-	**10.4**	**15.0**	ND	ND	ND	ND
Iron	600	µg/L	-	**3,230**	**4,640**	**3,120**	**2,870**	**3,090**	**3,650**
Lead	50	µg/L	**270**	ND	**15.4**	**5.42**	**11**	ND	**16.6**
Magnesium	35,000	µg/L	-	**28,700**	**27,100**	**28,100**	**25,300**	**26,200**	**28,300**
Manganese	600	µg/L	-	**802**	**891**	**618**	**665**	**817**	**819**
Mercury	0.7	µg/L	ND	ND	ND	ND	ND	ND	ND
Nickel	200	µg/L	-	ND	ND	ND	ND	ND	ND
Potassium	NE	µg/L	-	**1,780**	**4,060**	**3,080**	ND	ND	ND
Selenium	10	µg/L	-	**9.46**	ND	ND	ND	ND	**24.1**
Silver	50	µg/L	-	ND	ND	ND	ND	ND	ND
Sodium	NE	µg/L	-	**30,100**	**24,000**	**22,600**	**22,600**	**22,700**	**19,800**
Thallium	0.5	µg/L	-	ND	ND	ND	ND	ND	ND
Vanadium	NE	µg/L	-	ND	ND	ND	ND	ND	ND
Zinc	5,000	µg/L	-	**189**	**630**	**250**	**375**	**33**	**43.3**

1. NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, 06/98. Class GA.
Bolded concentrations indicated the analyte was detected. Bolded and shaded concentrations indicate exceedance of TOGS 1.1.1 criteria.
NE = NYSDEC TOGS 1.1.1 water quality standard not established.
ND - Not detected for at or above reporting limit
J - Analyte detected below quantitation limits
- = The analyte was not sampled for.

APPENDICES

APPENDIX A

Groundwater Field Sampling Records

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE: 153 Fillmore Avenue — DATE: 07/24/12

Sampler: Brian Doyle — SAMPLE ID: MW-01; MS/MSD

Depth of well (from top of casing).....	13.83 ft	EL 560.97
Initial static water level (from top of casing)....	8.7 ft	EL 566.10
Top of PVC Casing Elevation	574.80	

Evacuation Method:

Peristaltic	X	Centrifugal		1 in. casing:		ft. of water x .09 =	gallons
Airlift		Pos. Displ.		2 in. casing:	5.1	ft. of water x .16 =	0.82 gallons
Bailer		>>> No. of bails		3 in. casing:		ft. of water x .36 =	gallons

Well Volume Calculation

Volume of water removed: 2.46 gals.

> 3 volumes: yes / no

dry: yes / no

Field Tests:

Temp:	21.41	C
pH	7.14	
Conductivity	0.794	mS/cm
DO	1.35	mg/L
Turbidity	NA	NTUs
Oxidation Reduction Potential (ORP)	-120	mV

Sampling: Time: 12:00 PM

Sampling Method:

Peristaltic Pump	X
Disposable Bailer	
Disposable Tubing	X

Observations:

Weather/Temperature: Clear, 80 ° F

Physical Appearance and Odor of Sample: Light brown, murky. No odor. Grout like substance found around inner well cap.

Comments: Field equipment unable to record a turbidity reading due to very murky water.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE 153 Fillmore Avenue DATE 07/24/12

Sampler: Brian Doyle SAMPLE ID MW-02

Depth of well (from top of casing).....	13.5 ft	EL 561.69
Initial static water level (from top of casing)....	7.7 ft	EL 567.49
Top of PVC Casing Elevation	575.19	

Evacuation Method:

Peristaltic	X	Centrifugal			
Airlift		Pos. Displ.			
Bailer		>>> No. of bails			

Well Volume Calculation

1 in. casing:		ft. of water x .09 =	gallons
2 in. casing:	5.8	ft. of water x .16 =	0.93 gallons
3 in. casing:		ft. of water x .36 =	gallons

Volume of water removed 2.78 gals.

> 3 volumes: yes no

dry: yes no

Field Tests:

Temp:	18.17	C
pH	7.32	
Conductivity	0.796	mS/cm
DO	3.50	mg/L
Turbidity	NA	NTUs
Oxidation Reduction Potential (ORP)	-83	mV

Sampling: Time: 12:30 PM

Sampling Method:

Peristaltic Pump	X
Disposable Bailer	
Disposable Tubing	X

Observations:

Weather/Temperature: Clear, 85° F

Physical Appearance and Odor of Sample: Brown, very murky and turbid

Comments: Field equipment unable to record a turbidity reading due to very murky water.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE 153 Fillmore Avenue DATE 07/24/12

Sampler: Brian Doyle SAMPLE ID MW-05

Depth of well (from top of casing).....	15.5 ft	EL 562.82
Initial static water level (from top of casing)....	10.8 ft	EL 567.52
Top of PVC Casing Elevation	578.32	

Evacuation Method:

Peristaltic	X	Centrifugal		1 in. casing:	4.7	ft. of water x .09 =	0.42 gallons
Airlift		Pos. Displ.		2 in. casing:		ft. of water x .16 =	gallons
Bailer		>>> No. of bails		3 in. casing:		ft. of water x .36 =	gallons

Well Volume Calculation

Volume of water removed 1.27 gals.

> 3 volumes: yes **no**

dry: **yes** no

Field Tests:

Temp:	20.28 C
pH	7.42
Conductivity	0.789 mS/cm
DO	10.33 mg/L
Turbidity	285.0 NTUs
Oxidation Reduction Potential (ORP)	-104 mV

Sampling: Time: 10:00 AM

Sampling Method:

Peristaltic Pump	X
Disposable Bailer	
Disposable Tubing	X

Observations:

Weather/Temperature: Clear, 80° F

Physical Appearance and Odor of Sample: Grayish, murky with oil residue; slight sulfer odor.

Comments: Approximately 0.5 gallons of water was removed before well went dry.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE: 153 Fillmore Avenue — DATE: 07/24/12

Sampler: Brian Doyle — SAMPLE ID: MW-06; FD

Depth of well (from top of casing).....	17.3 ft	EL 560.83
Initial static water level (from top of casing)....	10.2 ft	EL 567.93
Top of PVC Casing Elevation	578.13	

Evacuation Method:

Peristaltic	X	Centrifugal			
Airlift		Pos. Displ.			
Bailer		>>> No. of bails			

Well Volume Calculation

1 in. casing:	7.1	ft. of water x .09 =	0.64 gallons
2 in. casing:		ft. of water x .16 =	gallons
3 in. casing:		ft. of water x .36 =	gallons

Volume of water removed: 1.92 gals.

> 3 volumes: yes / no

dry: yes / no

Field Tests:

Temp:	18.77	C
pH	7.33	
Conductivity	0.653	mS/cm
DO	2.91	mg/L
Turbidity	83	NTUs
Oxidation Reduction Potential (ORP)	-122.0	mV

Sampling: Time: 10:30 AM

Sampling Method:

Peristaltic Pump	X
Disposable Bailer	
Disposable Tubing	X

Observations:

Weather/Temperature: Clear, 80° F

Physical Appearance and Odor of Sample: Oil residue throughout purging and sampling. Slight odor.

Comments:

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE 153 Fillmore Avenue DATE 07/24/12

Sampler: Brian Doyle SAMPLE ID MW-07

Depth of well (from top of casing).....	23.5 ft	El. 562.76
Initial static water level (from top of casing)....	(See Comments) ft	EL
Top of PVC Casing Elevation	586.26	

Evacuation Method:

Peristaltic	X	Centrifugal		1 in. casing:		ft. of water x .09 =	gallons
Airlift		Pos. Displ.		2 in. casing:		ft. of water x .16 =	gallons
Bailer		>>> No. of bails		3 in. casing:		ft. of water x 36 =	gallons

Well Volume Calculation

Volume of water removed 1.25 gals.

> 3 volumes: yes **no**

dry **yes** no

Field Tests:

Temp:	NA	C
pH	NA	
Conductivity	NA	mS/cm
DO	NA	mg/L
Turbidity	NA	NTUs
Oxidation Reduction Potential (ORP)	NA	mV

Sampling: Time: 11:30 AM

Sampling Method:

Peristaltic Pump	X
Disposable Bailer	
Disposable Tubing	X

Observations:

Weather/Temperature: Clear, 80° F

Physical Appearance and Odor of Sample: Clear then light brown, murky. Slight sediment odor.

Comments: Approximately 0.2 gallons of water removed before well went dry. Water quality parameter meter unable to record due to minimal amount of water removed from well. There was an obstruction in the well at a depth of 8.8 feet in which the water level indicator could proceed further down the well. The initial static water level from 2007 and 2008 were used to determine the amount of water to be purged.

GHD INC.
GROUNDWATER FIELD SAMPLING RECORD

SITE 153 Fillmore Avenue DATE 07/24/12

Sampler: Brian Doyle SAMPLE ID MW-08

Depth of well (from top of casing).....	17.5 ft	EL 560.93
Initial static water level (from top of casing)....	10.6 ft	EL 567.83
Top of PVC Casing Elevation	578.43	

Evacuation Method:

Peristaltic	X	Centrifugal			
Airlift		Pos. Displ.			
Bailer		>>> No. of bails			

Well Volume Calculation

1 in. casing:	6.9	ft. of water x .09 =	0.62 gallons
2 in. casing:		ft. of water x .16 =	gallons
3 in. casing:		ft. of water x .36 =	gallons

Volume of water removed 1.86 gals.

> 3 volumes: yes no

dry: yes no

Field Tests:

Temp:	19.4	C
pH	7.60	
Conductivity	0.703	mS/cm
DO	8.60	mg/L
Turbidity	90	NTUs
Oxidation Reduction Potential (ORP)	-118	mV

Sampling: Time: 9:00 AM

Sampling Method:

Peristaltic Pump	X
Disposable Bailer	
Disposable Tubing	X

Observations:

Weather/Temperature: Clear, 80° F

Physical Appearance and Odor of Sample: Fairly clear, some odor

Comments:

APPENDIX B

Laboratory Analytical Results

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 239-4413 * Buffalo (716) 972-0371
Rochester (866) 437-0255 * New Jersey (908) 581-4285

Mr. David Rowlinson
GHD, Inc.
200 John James Audubon Parkway
Suite 101
Amherst, NY 14228
(716) 691-8503

Thursday, August 09, 2012

RE: Analytical Report:
153 Fillmore Ave

Order No.: U1207590

Dear Mr. David Rowlinson:

Upstate Laboratories, Inc. received 9 sample(s) on 7/25/2012 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. The NYS DOH requires that all samples received by the laboratory must have a Collection Date and Time, and a Relinquished By signature. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.
Anthony J. Scala
Anthony J. Scala
President/CEO

CC:
Enclosure: report
J. Zimmerman, Vali-Data of WNY LLC: ASP-B on disk

Upstate Laboratories, Inc.

Sample Receipt Checklist

Client Name **GHD CONSULTING ENG.**

Date and Time Receive **7/25/2012 8:45:00 AM**

Work Order Number **U1207590**

Received by: BLM

Checklist completed by K Crump 7-25-12 (Signature / Date)

Reviewed by PH 7/30/12 (Initials / Date)

Matrix:

Carrier name: Velocity

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☐	No ☑	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Ice present in cooler 4.7	Yes ☐	No ☐	Ice Melted ☑ N/A or Unknown ☐
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Adjusted? 7=<2 Checked by KC 7/25/12 0941

Any No and/or NA (not applicable) response must be detailed in the comments section be MW1, MW2 - metals

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: SVOC for MW-7 very limited volume

Corrective Action _____

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-001

Client Sample ID: MW-1
Collection Date: 7/24/2012 12:00:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005				Lab Code: **200.7WTASP**		Analyst: **LET**
[AqPrep Total Metals- EPA 3005A	Prep Code: 200.7TPRASP			Prep Date: 7/26/2012 10:52:38 AM	Prep By: ARO]	
Aluminum	215000	100		µg/L	1	8/3/2012 11:54:54 AM
Barium	1920	50.0		µg/L	1	8/3/2012 11:54:54 AM
Beryllium	7.62	3.00		µg/L	1	8/3/2012 11:54:54 AM
Cadmium	151	5.00		µg/L	1	8/3/2012 11:54:54 AM
Calcium	1130000	25000		µg/L	5	8/3/2012 4:46:47 PM
Chromium	287	10.0		µg/L	1	8/3/2012 11:54:54 AM
Cobalt	160	20.0		µg/L	1	8/3/2012 11:54:54 AM
Copper	437	10.0		µg/L	1	8/3/2012 11:54:54 AM
Iron	311000	60.0		µg/L	1	8/3/2012 11:54:54 AM
Magnesium	226000	5000		µg/L	1	8/3/2012 11:54:54 AM
Manganese	9570	10.0		µg/L	1	8/3/2012 11:54:54 AM
Nickel	436	30.0		µg/L	1	8/3/2012 11:54:54 AM
Potassium	51100	25000		µg/L	5	8/3/2012 4:46:47 PM
Silver	ND	10.0		µg/L	1	8/3/2012 11:54:54 AM
Sodium	54000	5000		µg/L	1	8/3/2012 11:54:54 AM
Vanadium	343	30.0		µg/L	1	8/3/2012 11:54:54 AM
Zinc	1310	10.0		µg/L	1	8/3/2012 11:54:54 AM
ASP TOTAL METALS BY ICP-MS BY EPA 200.8				Lab Code: **200.8ASP**		Analyst: **ALW**
[AqPrep ASP Total Metals: - EPA 3005A	Prep Code: 200.8TPRASP			Prep Date: 7/26/2012 10:52:45 AM	Prep By: ARO]	
Antimony	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Arsenic	184	25.0		µg/L	5	7/30/2012 3:58:34 PM
Lead	518	75.0		µg/L	25	8/1/2012 9:47:00 AM
Selenium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
Thallium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY WATERS ASP BY EPA 245.2				Lab Code: **245.2WTASP**		Analyst: **LET**
[Hg Total Prep by 245.2	Prep Code: 245.2TPRASP			Prep Date: 7/26/2012 11:22:36 AM	Prep By: ARO]	
Mercury	0.522	0.200		µg/L	1	8/2/2012 2:16:03 PM
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM	Prep By: DMH]	
(3+4)-Methylphenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
1,2,4-Trichlorobenzene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-001

Client Sample ID: MW-1
Collection Date: 7/24/2012 12:00:00 PM
Matrix: WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 — Lab Code: **8270_ASPTCL_W** — Analyst: **LD**

[AqPrep Sep Funnel: ASP BNA by EPA 3510C — Prep Code: 3510ASP_BNA — Prep Date: 7/27/2012 8:10:03 AM — Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,2-Dichlorobenzene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
1,3-Dichlorobenzene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
1,4-Dichlorobenzene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2,4,5-Trichlorophenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2,4,6-Trichlorophenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2,4-Dichlorophenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2,4-Dimethylphenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2,4-Dinitrophenol	ND	17		µg/L	1	7/30/2012 2:27:00 PM
2,4-Dinitrotoluene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2,6-Dinitrotoluene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2-Chloronaphthalene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2-Chlorophenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2-Methylnaphthalene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2-Methylphenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
2-Nitroaniline	ND	17		µg/L	1	7/30/2012 2:27:00 PM
2-Nitrophenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
3,3'-Dichlorobenzidine	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
3-Nitroaniline	ND	17		µg/L	1	7/30/2012 2:27:00 PM
4,6-Dinitro-2-methylphenol	ND	17		µg/L	1	7/30/2012 2:27:00 PM
4-Bromophenyl phenyl ether	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
4-Chloro-3-methylphenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
4-Chloroaniline	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
4-Chlorophenyl phenyl ether	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
4-Nitroaniline	ND	17		µg/L	1	7/30/2012 2:27:00 PM
4-Nitrophenol	ND	17		µg/L	1	7/30/2012 2:27:00 PM
Acenaphthene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Acenaphthylene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Anthracene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Benz(a)anthracene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Benzo(a)pyrene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Benzo(b)fluoranthene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Benzo(g,h,i)perylene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Benzo(k)fluoranthene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Bis(2-chloroethoxy)methane	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Bis(2-chloroethyl)ether	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Bis(2-chloroisopropyl)ether	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Bis(2-ethylhexyl)phthalate	2.3	8.3	J	µg/L	1	7/30/2012 2:27:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-1
Lab Order:	U1207590	**Collection Date:**	7/24/2012 12:00:00 PM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
Butyl benzyl phthalate	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Carbazole	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Chrysene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Di-n-butyl phthalate	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Di-n-octyl phthalate	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Dibenz(a,h)anthracene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Dibenzofuran	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Diethyl phthalate	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Dimethyl phthalate	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Fluoranthene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Fluorene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Hexachlorobenzene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Hexachlorobutadiene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Hexachlorocyclopentadiene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Hexachloroethane	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Indeno(1,2,3-cd)pyrene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Isophorone	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
N-Nitrosodi-n-propylamine	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
N-Nitrosodiphenylamine	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Naphthalene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Nitrobenzene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Pentachlorophenol	ND	17		µg/L	1	7/30/2012 2:27:00 PM
Phenanthrene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Phenol	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
Pyrene	ND	8.3		µg/L	1	7/30/2012 2:27:00 PM
TIC: unknown (15.209)	12	0		µg/L	1	7/30/2012 2:27:00 PM
TIC: unknown (17.966)	29	0		µg/L	1	7/30/2012 2:27:00 PM
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B				Lab Code: **8260ASP_TCL_W**		Analyst: **EMZ**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-1
Lab Order:	U1207590	**Collection Date:**	7/24/2012 12:00:00 PM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-001	**Matrix:**	WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B Lab Code: **8260ASP_TCL_W** Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,2-Dichloropropane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
2-Butanone	ND	10		µg/L	1	8/2/2012 6:08:00 PM
2-Hexanone	ND	10		µg/L	1	8/2/2012 6:08:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/2/2012 6:08:00 PM
Acetone	ND	10		µg/L	1	8/2/2012 6:08:00 PM
Benzene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Bromoform	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Bromomethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Carbon disulfide	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Chlorobenzene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Chloroethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Chloroform	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Chloromethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
cis-1,2-Dichloroethene	55	5.0		µg/L	1	8/2/2012 6:08:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Ethylbenzene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
m,p-Xylene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Methylene chloride	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
o-Xylene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Styrene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Toluene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
trans-1,2-Dichloroethene	2.3	5.0	J	µg/L	1	8/2/2012 6:08:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Trichloroethene	ND	5.0		µg/L	1	8/2/2012 6:08:00 PM
Vinyl chloride	16	5.0		µg/L	1	8/2/2012 6:08:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-2
Lab Order:	U1207590	**Collection Date:**	7/24/2012 12:45:00 PM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			Lab Code: **200.7WTASP**			Analyst: **LET**
[AqPrep Total Metals- EPA 3005A	Prep Code: 200.7TPRASP		Prep Date: 7/26/2012 10:52:38 AM		Prep By: ARO]	
Aluminum	265000	100		µg/L	1	8/3/2012 12:17:45 PM
Barium	3890	50.0		µg/L	1	8/3/2012 12:17:45 PM
Beryllium	8.35	3.00		µg/L	1	8/3/2012 12:17:45 PM
Cadmium	233	5.00		µg/L	1	8/3/2012 12:17:45 PM
Calcium	2550000	25000		µg/L	5	8/3/2012 5:09:15 PM
Chromium	336	10.0		µg/L	1	8/3/2012 12:17:45 PM
Cobalt	190	20.0		µg/L	1	8/3/2012 12:17:45 PM
Copper	1510	10.0		µg/L	1	8/3/2012 12:17:45 PM
Iron	393000	60.0		µg/L	1	8/3/2012 12:17:45 PM
Magnesium	706000	5000		µg/L	1	8/3/2012 12:17:45 PM
Manganese	8930	10.0		µg/L	1	8/3/2012 12:17:45 PM
Nickel	534	30.0		µg/L	1	8/3/2012 12:17:45 PM
Potassium	55400	25000		µg/L	5	8/3/2012 5:09:15 PM
Silver	ND	10.0		µg/L	1	8/3/2012 12:17:45 PM
Sodium	51400	5000		µg/L	1	8/3/2012 12:17:45 PM
Vanadium	356	30.0		µg/L	1	8/3/2012 12:17:45 PM
Zinc	4100	10.0		µg/L	1	8/3/2012 12:17:45 PM
ASP TOTAL METALS BY ICP-MS BY EPA 200.8			Lab Code: **200.8ASP**			Analyst: **ALW**
[AqPrep ASP Total Metals: - EPA 3005A	Prep Code: 200.8TPRASP		Prep Date: 7/26/2012 10:52:45 AM		Prep By: ARO]	
Antimony	ND	50.0		µg/L	10	7/30/2012 3:58:34 PM
Arsenic	297	50.0		µg/L	10	7/30/2012 3:58:34 PM
Lead	1150	150		µg/L	50	8/1/2012 9:47:00 AM
Selenium	ND	30.0		µg/L	10	7/30/2012 3:58:34 PM
Thallium	ND	30.0		µg/L	10	7/30/2012 3:58:34 PM
TOTAL MERCURY WATERS ASP BY EPA 245.2			Lab Code: **245.2WTASP**			Analyst: **LET**
[Hg Total Prep by 245.2	Prep Code: 245.2TPRASP		Prep Date: 7/26/2012 11:22:36 AM		Prep By: ARO]	
Mercury	2.04	0.200		µg/L	1	8/2/2012 2:22:19 PM
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA		Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]	
(3+4)-Methylphenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Client Sample ID: MW-2
Lab Order: U1207590
Collection Date: 7/24/2012 12:45:00 PM
Project: 153 Fillmore Ave
Lab ID: U1207590-002
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
1,2-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2,4-Dinitrophenol	ND	10		µg/L	1	7/30/2012 4:25:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2-Methylphenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
2-Nitroaniline	ND	10		µg/L	1	7/30/2012 4:25:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
3,3'-Dichlorobenzidine	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
3-Nitroaniline	ND	10		µg/L	1	7/30/2012 4:25:00 PM
4,6-Dinitro-2-methylphenol	ND	10		µg/L	1	7/30/2012 4:25:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
4-Nitroaniline	ND	10		µg/L	1	7/30/2012 4:25:00 PM
4-Nitrophenol	ND	10		µg/L	1	7/30/2012 4:25:00 PM
Acenaphthene	2.3	5.0	J	µg/L	1	7/30/2012 4:25:00 PM
Acenaphthylene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Anthracene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Bis(2-ethylhexyl)phthalate	25	5.0		µg/L	1	7/30/2012 4:25:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-2
Lab Order:	U1207590	**Collection Date:**	7/24/2012 12:45:00 PM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-002	**Matrix:**	WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 Lab Code: **8270_ASPTCL_W** Analyst: **LD**

[AqPrep Sep Funnel: ASP BNA by EPA 3510C Prep Code: 3510ASP_BNA Prep Date: 7/27/2012 8:10:03 AM Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Butyl benzyl phthalate	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Carbazole	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Chrysene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Di-n-butyl phthalate	1.2	5.0	J	µg/L	1	7/30/2012 4:25:00 PM
Di-n-octyl phthalate	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Dibenzofuran	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Fluoranthene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Fluorene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Hexachloroethane	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Isophorone	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Naphthalene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Nitrobenzene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Pentachlorophenol	ND	10		µg/L	1	7/30/2012 4:25:00 PM
Phenanthrene	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Phenol	ND	5.0		µg/L	1	7/30/2012 4:25:00 PM
Pyrene	1.1	5.0	J	µg/L	1	7/30/2012 4:25:00 PM
TIC: 13-Docosenamide, (Z)-	71	0	B	µg/L	1	7/30/2012 4:25:00 PM
TIC: 1H-Benzimidazole, 2-(1-methylethyl	56	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: Benzo[b]thiophene, 2,3-dihydro-	56	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: Dodecanoic acid	3.4	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: Naphthalene, 1,3-dimethyl-	3.5	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: Naphthalene, 2,3-dimethyl-	2.6	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: Tridecane, 1-iodo-	2.1	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (11.672)	3.0	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (15.209)	13	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (8.43)	20	0		µg/L	1	7/30/2012 4:25:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-002

Client Sample ID: MW-2
Collection Date: 7/24/2012 12:45:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
TIC: unknown (8.553)	18	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (8.585)	12	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (8.622)	22	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (8.654)	29	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (8.729)	30	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (8.766)	22	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (8.953)	61	0		µg/L	1	7/30/2012 4:25:00 PM
TIC: unknown (9.012)	22	0		µg/L	1	7/30/2012 4:25:00 PM
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B				Lab Code: **8260ASP_TCL_W**		Analyst: **EMZ**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
2-Butanone	ND	10		µg/L	1	8/2/2012 8:27:00 PM
2-Hexanone	ND	10		µg/L	1	8/2/2012 8:27:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/2/2012 8:27:00 PM
Acetone	ND	10		µg/L	1	8/2/2012 8:27:00 PM
Benzene	2.9	5.0	J	µg/L	1	8/2/2012 8:27:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Bromoform	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Bromomethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Carbon disulfide	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Chlorobenzene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Chloroethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Chloroform	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Chloromethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
cis-1,2-Dichloroethene	2.7	5.0	J	µg/L	1	8/2/2012 8:27:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Ethylbenzene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
Q	Outlying QC recoveries were associated with this parameter
*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-2
Lab Order:	U1207590	**Collection Date:**	7/24/2012 12:45:00 PM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B			Lab Code: **8260ASP_TCL_W**			Analyst: **EMZ**
m,p-Xylene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Methylene chloride	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
o-Xylene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Styrene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Toluene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Trichloroethene	ND	5.0		µg/L	1	8/2/2012 8:27:00 PM
Vinyl chloride	21	5.0		µg/L	1	8/2/2012 8:27:00 PM
TIC: Benzofuran, 2-methyl-	6.5	0	JN	µg/L	1	8/2/2012 8:27:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-5
Lab Order:	U1207590	**Collection Date:**	7/24/2012 10:30:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			Lab Code: **200.7WTASP**			Analyst: **LET**
[AqPrep Total Metals- EPA 3005A	Prep Code: 200.7TPRASP		Prep Date: 7/26/2012 10:52:38 AM		Prep By: ARO]	
Aluminum	161	100		µg/L	1	8/3/2012 12:25:26 PM
Barium	172	50.0		µg/L	1	8/3/2012 12:25:26 PM
Beryllium	ND	3.00		µg/L	1	8/3/2012 12:25:26 PM
Cadmium	ND	5.00		µg/L	1	8/3/2012 12:25:26 PM
Calcium	140000	5000		µg/L	1	8/3/2012 12:25:26 PM
Chromium	ND	10.0		µg/L	1	8/3/2012 12:25:26 PM
Cobalt	ND	20.0		µg/L	1	8/3/2012 12:25:26 PM
Copper	ND	10.0		µg/L	1	8/3/2012 12:25:26 PM
Iron	3450	60.0		µg/L	1	8/3/2012 12:25:26 PM
Magnesium	31400	5000		µg/L	1	8/3/2012 12:25:26 PM
Manganese	225	10.0		µg/L	1	8/3/2012 12:25:26 PM
Nickel	ND	30.0		µg/L	1	8/3/2012 12:25:26 PM
Potassium	ND	5000		µg/L	1	8/3/2012 12:25:26 PM
Silver	ND	10.0		µg/L	1	8/3/2012 12:25:26 PM
Sodium	11000	5000		µg/L	1	8/3/2012 12:25:26 PM
Vanadium	ND	30.0		µg/L	1	8/3/2012 12:25:26 PM
Zinc	165	10.0		µg/L	1	8/3/2012 12:25:26 PM
ASP TOTAL METALS BY ICP-MS BY EPA 200.8			Lab Code: **200.8ASP**			Analyst: **ALW**
[AqPrep ASP Total Metals: - EPA 3005A	Prep Code: 200.8TPRASP		Prep Date: 7/26/2012 10:52:45 AM		Prep By: ARO]	
Antimony	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Arsenic	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Lead	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
Selenium	46.7	15.0		µg/L	5	7/30/2012 3:58:34 PM
Thallium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM

NOTES:
The reporting limits were raised due to matrix interference.

TOTAL MERCURY WATERS ASP BY EPA 245.2			Lab Code: **245.2WTASP**			Analyst: **LET**
[Hg Total Prep by 245.2	Prep Code: 245.2TPRASP		Prep Date: 7/26/2012 11:22:36 AM		Prep By: ARO]	
Mercury	0.689	0.200		µg/L	1	8/2/2012 2:24:41 PM
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA		Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]	
(3+4)-Methylphenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-5
Lab Order:	U1207590	**Collection Date:**	7/24/2012 10:30:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-003	**Matrix:**	WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 Lab Code: **8270_ASPTCL_W** Analyst: **LD**

[AqPrep Sep Funnel: ASP BNA by EPA 3510C Prep Code: 3510ASP_BNA Prep Date: 7/27/2012 8:10:03 AM Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,2-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2,4-Dinitrophenol	ND	10		µg/L	1	7/30/2012 5:04:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2-Methylphenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
2-Nitroaniline	ND	10		µg/L	1	7/30/2012 5:04:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
3,3'-Dichlorobenzidine	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
3-Nitroaniline	ND	10		µg/L	1	7/30/2012 5:04:00 PM
4,6-Dinitro-2-methylphenol	ND	10		µg/L	1	7/30/2012 5:04:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
4-Nitroaniline	ND	10		µg/L	1	7/30/2012 5:04:00 PM
4-Nitrophenol	ND	10		µg/L	1	7/30/2012 5:04:00 PM
Acenaphthene	1.5	5.0	J	µg/L	1	7/30/2012 5:04:00 PM
Acenaphthylene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Anthracene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Bis(2-ethylhexyl)phthalate	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-003

Client Sample ID: MW-5
Collection Date: 7/24/2012 10:30:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: 8270_ASPTCL_W		Analyst: LD
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
Butyl benzyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Carbazole	3.2	5.0	J	µg/L	1	7/30/2012 5:04:00 PM
Chrysene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Di-n-octyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Dibenzofuran	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Fluoranthene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Fluorene	1.2	5.0	J	µg/L	1	7/30/2012 5:04:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Hexachloroethane	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Isophorone	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Naphthalene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Nitrobenzene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Pentachlorophenol	ND	10		µg/L	1	7/30/2012 5:04:00 PM
Phenanthrene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Phenol	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
Pyrene	ND	5.0		µg/L	1	7/30/2012 5:04:00 PM
TIC: 13-Docosenamide, (Z)-	20	0	B	µg/L	1	7/30/2012 5:04:00 PM
TIC: 2,3-Dihydro-1-oxo-1H-phenalene	3.9	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: 9-Octadecenamide, (Z)-	5.1	0	B	µg/L	1	7/30/2012 5:04:00 PM
TIC: Bacchotricuneatin c	4.1	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: Benzene, 2-ethenyl-1,4-dimethyl-	7.5	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: Benzo[b]thiophene, 2,3-dihydro-	190	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: Benzo[b]thiophene, 5-methyl-	170	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: Naphthalene, 1,4-dimethyl-	3.2	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: Naphthalene, 1-methyl-	490	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: Naphthalene, 2,3-dimethyl-	4.7	0		µg/L	1	7/30/2012 5:04:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-003

Client Sample ID: MW-5
Collection Date: 7/24/2012 10:30:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA		Prep Date: 7/27/2012 8:10:03 AM			Prep By: DMH]
TIC: Pentadecane, 2,6,10,14-tetramethyl	8.2	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: Tridecane	4.7	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (8.449)	20	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (8.614)	33	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (8.652)	25	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (8.684)	19	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (8.839)	25	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (9.015)	12	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (9.202)	3.6	0		µg/L	1	7/30/2012 5:04:00 PM
TIC: unknown (9.629)	3.1	0		µg/L	1	7/30/2012 5:04:00 PM
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B			Lab Code: **8260ASP_TCL_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
2-Butanone	ND	10		µg/L	1	8/2/2012 9:13:00 PM
2-Hexanone	ND	10		µg/L	1	8/2/2012 9:13:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/2/2012 9:13:00 PM
Acetone	ND	10		µg/L	1	8/2/2012 9:13:00 PM
Benzene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Bromoform	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Bromomethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Carbon disulfide	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Chlorobenzene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Chloroethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Chloroform	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Chloromethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-003

Client Sample ID: MW-5
Collection Date: 7/24/2012 10:30:00 AM
Matrix: WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B — Lab Code: **8260ASP_TCL_W** — Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Dibromochloromethane	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Ethylbenzene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
m,p-Xylene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Methylene chloride	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
o-Xylene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Styrene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Toluene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Trichloroethene	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
Vinyl chloride	ND	5.0		µg/L	1	8/2/2012 9:13:00 PM
TIC: Benzene, 2-butenyl-	7.0	0	JN	µg/L	1	8/2/2012 9:13:00 PM
TIC: Indane	11	0	JN	µg/L	1	8/2/2012 9:13:00 PM

Approved By: DH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
Q	Outlying QC recoveries were associated with this parameter
*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-004

Client Sample ID: MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			Lab Code: **200.7WTASP**			Analyst: **LET**
[AqPrep Total Metals- EPA 3005A	Prep Code: 200.7TPRASP		Prep Date: 7/26/2012 10:52:38 AM		Prep By: ARO]	
Aluminum	ND	100		µg/L	1	8/3/2012 12:32:44 PM
Barium	207	50.0		µg/L	1	8/3/2012 12:32:44 PM
Beryllium	ND	3.00		µg/L	1	8/3/2012 12:32:44 PM
Cadmium	ND	5.00		µg/L	1	8/3/2012 12:32:44 PM
Calcium	149000	5000		µg/L	1	8/3/2012 12:32:44 PM
Chromium	ND	10.0		µg/L	1	8/3/2012 12:32:44 PM
Cobalt	ND	20.0		µg/L	1	8/3/2012 12:32:44 PM
Copper	ND	10.0		µg/L	1	8/3/2012 12:32:44 PM
Iron	6220	60.0		µg/L	1	8/3/2012 12:32:44 PM
Magnesium	29100	5000		µg/L	1	8/3/2012 12:32:44 PM
Manganese	1080	10.0		µg/L	1	8/3/2012 12:32:44 PM
Nickel	ND	30.0		µg/L	1	8/3/2012 12:32:44 PM
Potassium	ND	5000		µg/L	1	8/3/2012 12:32:44 PM
Silver	ND	10.0		µg/L	1	8/3/2012 12:32:44 PM
Sodium	14700	5000		µg/L	1	8/3/2012 12:32:44 PM
Vanadium	ND	30.0		µg/L	1	8/3/2012 12:32:44 PM
Zinc	18.7	10.0		µg/L	1	8/3/2012 12:32:44 PM
ASP TOTAL METALS BY ICP-MS BY EPA 200.8			Lab Code: **200.8ASP**			Analyst: **ALW**
[AqPrep ASP Total Metals: - EPA 3005A	Prep Code: 200.8TPRASP		Prep Date: 7/26/2012 10:52:45 AM		Prep By: ARO]	
Antimony	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Arsenic	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Lead	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
Selenium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
Thallium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY WATERS ASP BY EPA 245.2			Lab Code: **245.2WTASP**			Analyst: **LET**
[Hg Total Prep by 245.2	Prep Code: 245.2TPRASP		Prep Date: 7/26/2012 11:22:36 AM		Prep By: ARO]	
Mercury	ND	0.200		µg/L	1	8/2/2012 2:26:41 PM
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA		Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]	
(3+4)-Methylphenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-004

Client Sample ID: MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 — Lab Code: **8270_ASPTCL_W** — Analyst: **LD**

[AqPrep Sep Funnel: ASP BNA by EPA 3510C — Prep Code: 3510ASP_BNA — Prep Date: 7/27/2012 8:10:03 AM — Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,2-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2,4-Dinitrophenol	ND	10		µg/L	1	7/30/2012 5:44:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2-Methylphenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
2-Nitroaniline	ND	10		µg/L	1	7/30/2012 5:44:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
3,3'-Dichlorobenzidine	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
3-Nitroaniline	ND	10		µg/L	1	7/30/2012 5:44:00 PM
4,6-Dinitro-2-methylphenol	ND	10		µg/L	1	7/30/2012 5:44:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
4-Nitroaniline	ND	10		µg/L	1	7/30/2012 5:44:00 PM
4-Nitrophenol	ND	10		µg/L	1	7/30/2012 5:44:00 PM
Acenaphthene	3.4	5.0	J	µg/L	1	7/30/2012 5:44:00 PM
Acenaphthylene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Anthracene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Bis(2-ethylhexyl)phthalate	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM

Approved By: DH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-004

Client Sample ID: MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 Lab Code: **8270_ASPTCL_W** Analyst: **LD**

[AqPrep Sep Funnel: ASP BNA by EPA 3510C Prep Code: 3510ASP_BNA Prep Date: 7/27/2012 8:10:03 AM Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Butyl benzyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Carbazole	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Chrysene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Di-n-octyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Dibenzofuran	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Fluoranthene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Fluorene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Hexachloroethane	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Isophorone	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Naphthalene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Nitrobenzene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Pentachlorophenol	ND	10		µg/L	1	7/30/2012 5:44:00 PM
Phenanthrene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Phenol	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
Pyrene	ND	5.0		µg/L	1	7/30/2012 5:44:00 PM
TIC: .alpha.,.beta.,.beta.-Trimethylsty	2.9	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: 1,1'-Biphenyl, 2-methyl-	5.3	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: 13-Docosenamide, (Z)-	25	0	B	µg/L	1	7/30/2012 5:44:00 PM
TIC: 1H-Inden-1-one, 2,3-dihydro-5,7-di	5.1	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: 1H-Indene, 1,3-dimethyl-	2.6	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: 2,6,10-Dodecatrien-1-ol, 3,7,11-tr	6.2	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: 9-Octadecenamide, (Z)-	5.0	0	B	µg/L	1	7/30/2012 5:44:00 PM
TIC: 9H-Carbazole, 2-methyl-	2.3	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: Benzene, pentamethyl-	6.8	0		µg/L	1	7/30/2012 5:44:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-004

Client Sample ID: MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA		Prep Date: 7/27/2012 8:10:03 AM			Prep By: DMH]
TIC: Benzo[b]thiophene, 2,3-dihydro-	20	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: Naphthalene, 1,3-dimethyl-	6.6	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: Naphthalene, 2,3-dimethyl-	3.6	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (11.077)	3.4	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (8.556)	2.4	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (8.839)	2.7	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (8.951)	6.2	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (9.01)	2.7	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (9.48)	2.6	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (9.613)	2.3	0		µg/L	1	7/30/2012 5:44:00 PM
TIC: unknown (9.763)	3.1	0		µg/L	1	7/30/2012 5:44:00 PM
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B			Lab Code: **8260ASP_TCL_W**			Analyst: **EMZ**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
2-Butanone	ND	10		µg/L	1	8/2/2012 9:59:00 PM
2-Hexanone	ND	10		µg/L	1	8/2/2012 9:59:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/2/2012 9:59:00 PM
Acetone	ND	10		µg/L	1	8/2/2012 9:59:00 PM
Benzene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Bromoform	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Bromomethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Carbon disulfide	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Chlorobenzene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Chloroethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Chloroform	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Chloromethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-004

Client Sample ID: MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B — Lab Code: **8260ASP_TCL_W** — Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Ethylbenzene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
m,p-Xylene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Methylene chloride	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
o-Xylene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Styrene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Toluene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Trichloroethene	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM
Vinyl chloride	ND	5.0		µg/L	1	8/2/2012 9:59:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
Q	Outlying QC recoveries were associated with this parameter
*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-7
Lab Order:	U1207590	**Collection Date:**	7/24/2012 11:30:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			Lab Code: **200.7WTASP**			Analyst: **LET**
[AqPrep Total Metals- EPA 3005A	Prep Code: 200.7TPRASP		Prep Date: 7/26/2012 10:52:38 AM		Prep By: ARO]	
Aluminum	4970	100		µg/L	1	8/3/2012 12:40:13 PM
Barium	102	50.0		µg/L	1	8/3/2012 12:40:13 PM
Beryllium	ND	3.00		µg/L	1	8/3/2012 12:40:13 PM
Cadmium	50.3	5.00		µg/L	1	8/3/2012 12:40:13 PM
Calcium	149000	5000		µg/L	1	8/3/2012 12:40:13 PM
Chromium	10.9	10.0		µg/L	1	8/3/2012 12:40:13 PM
Cobalt	ND	20.0		µg/L	1	8/3/2012 12:40:13 PM
Copper	250	10.0		µg/L	1	8/3/2012 12:40:13 PM
Iron	13500	60.0		µg/L	1	8/3/2012 12:40:13 PM
Magnesium	30700	5000		µg/L	1	8/3/2012 12:40:13 PM
Manganese	849	10.0		µg/L	1	8/3/2012 12:40:13 PM
Nickel	32.7	30.0		µg/L	1	8/3/2012 12:40:13 PM
Potassium	11100	5000		µg/L	1	8/3/2012 12:40:13 PM
Silver	ND	10.0		µg/L	1	8/3/2012 12:40:13 PM
Sodium	58600	5000		µg/L	1	8/3/2012 12:40:13 PM
Vanadium	ND	30.0		µg/L	1	8/3/2012 12:40:13 PM
Zinc	7080	10.0		µg/L	1	8/3/2012 12:40:13 PM
ASP TOTAL METALS BY ICP-MS BY EPA 200.8			Lab Code: **200.8ASP**			Analyst: **ALW**
[AqPrep ASP Total Metals: - EPA 3005A	Prep Code: 200.8TPRASP		Prep Date: 7/26/2012 10:52:45 AM		Prep By: ARO]	
Antimony	35.5	25.0		µg/L	5	7/30/2012 3:58:34 PM
Arsenic	115	25.0		µg/L	5	7/30/2012 3:58:34 PM
Lead	329	30.0		µg/L	10	8/1/2012 9:47:00 AM
Selenium	119	15.0		µg/L	5	7/30/2012 3:58:34 PM
Thallium	92.1	15.0		µg/L	5	7/30/2012 3:58:34 PM
TOTAL MERCURY WATERS ASP BY EPA 245.2			Lab Code: **245.2WTASP**			Analyst: **LET**
[Hg Total Prep by 245.2	Prep Code: 245.2TPRASP		Prep Date: 7/26/2012 11:22:36 AM		Prep By: ARO]	
Mercury	0.541	0.200		µg/L	1	8/2/2012 2:28:42 PM
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA		Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]	
(3+4)-Methylphenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
1,2,4-Trichlorobenzene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
1,2-Dichlorobenzene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
1,3-Dichlorobenzene	ND	25		µg/L	1	7/30/2012 6:23:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-005

Client Sample ID: MW-7
Collection Date: 7/24/2012 11:30:00 AM
Matrix: WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 Lab Code: **8270_ASPTCL_W** Analyst: **LD**

[AqPrep Sep Funnel: ASP BNA by EPA 3510C Prep Code: 3510ASP_BNA Prep Date: 7/27/2012 8:10:03 AM Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,4-Dichlorobenzene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2,4,5-Trichlorophenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2,4,6-Trichlorophenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2,4-Dichlorophenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2,4-Dimethylphenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	7/30/2012 6:23:00 PM
2,4-Dinitrotoluene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2,6-Dinitrotoluene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2-Chloronaphthalene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2-Chlorophenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2-Methylnaphthalene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2-Methylphenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
2-Nitroaniline	ND	50		µg/L	1	7/30/2012 6:23:00 PM
2-Nitrophenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
3,3'-Dichlorobenzidine	ND	25		µg/L	1	7/30/2012 6:23:00 PM
3-Nitroaniline	ND	50		µg/L	1	7/30/2012 6:23:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	7/30/2012 6:23:00 PM
4-Bromophenyl phenyl ether	ND	25		µg/L	1	7/30/2012 6:23:00 PM
4-Chloro-3-methylphenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
4-Chloroaniline	ND	25		µg/L	1	7/30/2012 6:23:00 PM
4-Chlorophenyl phenyl ether	ND	25		µg/L	1	7/30/2012 6:23:00 PM
4-Nitroaniline	ND	50		µg/L	1	7/30/2012 6:23:00 PM
4-Nitrophenol	ND	50		µg/L	1	7/30/2012 6:23:00 PM
Acenaphthene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Acenaphthylene	9.6	25	J	µg/L	1	7/30/2012 6:23:00 PM
Anthracene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Benz(a)anthracene	16	25	J	µg/L	1	7/30/2012 6:23:00 PM
Benzo(a)pyrene	29	25		µg/L	1	7/30/2012 6:23:00 PM
Benzo(b)fluoranthene	16	25	J	µg/L	1	7/30/2012 6:23:00 PM
Benzo(g,h,i)perylene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Benzo(k)fluoranthene	22	25	J	µg/L	1	7/30/2012 6:23:00 PM
Bis(2-chloroethoxy)methane	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Bis(2-chloroethyl)ether	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Bis(2-chloroisopropyl)ether	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Bis(2-ethylhexyl)phthalate	8.6	25	J	µg/L	1	7/30/2012 6:23:00 PM
Butyl benzyl phthalate	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Carbazole	ND	25		µg/L	1	7/30/2012 6:23:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-005

Client Sample ID: MW-7
Collection Date: 7/24/2012 11:30:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
Chrysene	17	25	J	µg/L	1	7/30/2012 6:23:00 PM
Di-n-butyl phthalate	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Di-n-octyl phthalate	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Dibenz(a,h)anthracene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Dibenzofuran	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Diethyl phthalate	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Dimethyl phthalate	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Fluoranthene	9.4	25	J	µg/L	1	7/30/2012 6:23:00 PM
Fluorene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Hexachlorobenzene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Hexachlorobutadiene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Hexachlorocyclopentadiene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Hexachloroethane	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Indeno(1,2,3-cd)pyrene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Isophorone	ND	25		µg/L	1	7/30/2012 6:23:00 PM
N-Nitrosodi-n-propylamine	ND	25		µg/L	1	7/30/2012 6:23:00 PM
N-Nitrosodiphenylamine	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Naphthalene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Nitrobenzene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Pentachlorophenol	ND	50		µg/L	1	7/30/2012 6:23:00 PM
Phenanthrene	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Phenol	ND	25		µg/L	1	7/30/2012 6:23:00 PM
Pyrene	28	25		µg/L	1	7/30/2012 6:23:00 PM
TIC: 13-Docosenamide, (Z)-	150	0	B	µg/L	1	7/30/2012 6:23:00 PM
TIC: 9-Octadecenamide, (Z)-	31	0	B	µg/L	1	7/30/2012 6:23:00 PM
TIC: Bacchotricuneatin c	100	0		µg/L	1	7/30/2012 6:23:00 PM
TIC: n-Hexadecanoic acid	40	0		µg/L	1	7/30/2012 6:23:00 PM
TIC: Oxacycloheptadecan-2-one	18	0		µg/L	1	7/30/2012 6:23:00 PM
TIC: Pentadecane	11	0		µg/L	1	7/30/2012 6:23:00 PM
TIC: Pyrene, 2-methyl-	11	0		µg/L	1	7/30/2012 6:23:00 PM
TIC: Sulfur	25	0		µg/L	1	7/30/2012 6:23:00 PM
TIC: unknown (17.09)	11	0		µg/L	1	7/30/2012 6:23:00 PM
TIC: unknown (20.696)	52	0		µg/L	1	7/30/2012 6:23:00 PM
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B				Lab Code: **8260ASP_TCL_W**		Analyst: **EMZ**

Approved By: DH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-7
Lab Order:	U1207590	**Collection Date:**	7/24/2012 11:30:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-005	**Matrix:**	WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B — Lab Code: **8260ASP_TCL_W** — Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
2-Butanone	ND	10		µg/L	1	8/2/2012 10:46:00 PM
2-Hexanone	ND	10		µg/L	1	8/2/2012 10:46:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/2/2012 10:46:00 PM
Acetone	29	10		µg/L	1	8/2/2012 10:46:00 PM
Benzene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Bromoform	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Bromomethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Carbon disulfide	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Chlorobenzene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Chloroethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Chloroform	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Chloromethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
cis-1,2-Dichloroethene	29	5.0		µg/L	1	8/2/2012 10:46:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Ethylbenzene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
m,p-Xylene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Methylene chloride	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
o-Xylene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Styrene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Tetrachloroethene	2.5	5.0	J	µg/L	1	8/2/2012 10:46:00 PM
Toluene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 10:46:00 PM
Trichloroethene	3.9	5.0	J	µg/L	1	8/2/2012 10:46:00 PM
Vinyl chloride	17	5.0		µg/L	1	8/2/2012 10:46:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-8
Lab Order:	U1207590	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			Lab Code: **200.7WTASP**			Analyst: **LET**
[AqPrep Total Metals- EPA 3005A	Prep Code: 200.7TPRASP		Prep Date: 7/26/2012 10:52:38 AM		Prep By: ARO]	
Aluminum	ND	100		µg/L	1	8/3/2012 12:47:42 PM
Barium	110	50.0		µg/L	1	8/3/2012 12:47:42 PM
Beryllium	ND	3.00		µg/L	1	8/3/2012 12:47:42 PM
Cadmium	ND	5.00		µg/L	1	8/3/2012 12:47:42 PM
Calcium	147000	5000		µg/L	1	8/3/2012 12:47:42 PM
Chromium	ND	10.0		µg/L	1	8/3/2012 12:47:42 PM
Cobalt	ND	20.0		µg/L	1	8/3/2012 12:47:42 PM
Copper	ND	10.0		µg/L	1	8/3/2012 12:47:42 PM
Iron	3650	60.0		µg/L	1	8/3/2012 12:47:42 PM
Magnesium	28300	5000		µg/L	1	8/3/2012 12:47:42 PM
Manganese	819	10.0		µg/L	1	8/3/2012 12:47:42 PM
Nickel	ND	30.0		µg/L	1	8/3/2012 12:47:42 PM
Potassium	ND	5000		µg/L	1	8/3/2012 12:47:42 PM
Silver	ND	10.0		µg/L	1	8/3/2012 12:47:42 PM
Sodium	19800	5000		µg/L	1	8/3/2012 12:47:42 PM
Vanadium	ND	30.0		µg/L	1	8/3/2012 12:47:42 PM
Zinc	43.2	10.0		µg/L	1	8/3/2012 12:47:42 PM
ASP TOTAL METALS BY ICP-MS BY EPA 200.8			Lab Code: **200.8ASP**			Analyst: **ALW**
[AqPrep ASP Total Metals: - EPA 3005A	Prep Code: 200.8TPRASP		Prep Date: 7/26/2012 10:52:45 AM		Prep By: ARO]	
Antimony	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Arsenic	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Lead	16.6	15.0		µg/L	5	7/30/2012 3:58:34 PM
Selenium	24.1	15.0		µg/L	5	7/30/2012 3:58:34 PM
Thallium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY WATERS ASP BY EPA 245.2			Lab Code: **245.2WTASP**			Analyst: **LET**
[Hg Total Prep by 245.2	Prep Code: 245.2TPRASP		Prep Date: 7/26/2012 11:22:36 AM		Prep By: ARO]	
Mercury	ND	0.200		µg/L	1	8/2/2012 2:30:45 PM
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA		Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]	
(3+4)-Methylphenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-006

Client Sample ID: MW-8
Collection Date: 7/24/2012 9:00:00 AM
Matrix: WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 — Lab Code: 8270_ASPTCL_W — Analyst: LD

[AqPrep Sep Funnel: ASP BNA by EPA 3510C — Prep Code: 3510ASP_BNA — Prep Date: 7/27/2012 8:10:03 AM — Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,2-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2,4-Dinitrophenol	ND	10		µg/L	1	7/30/2012 7:02:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2-Methylphenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
2-Nitroaniline	ND	10		µg/L	1	7/30/2012 7:02:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
3,3'-Dichlorobenzidine	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
3-Nitroaniline	ND	10		µg/L	1	7/30/2012 7:02:00 PM
4,6-Dinitro-2-methylphenol	ND	10		µg/L	1	7/30/2012 7:02:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
4-Nitroaniline	ND	10		µg/L	1	7/30/2012 7:02:00 PM
4-Nitrophenol	ND	10		µg/L	1	7/30/2012 7:02:00 PM
Acenaphthene	1.4	5.0	J	µg/L	1	7/30/2012 7:02:00 PM
Acenaphthylene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Anthracene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Bis(2-ethylhexyl)phthalate	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-8
Lab Order:	U1207590	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
Butyl benzyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Carbazole	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Chrysene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Di-n-octyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Dibenzofuran	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Fluoranthene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Fluorene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Hexachloroethane	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Isophorone	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Naphthalene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Nitrobenzene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Pentachlorophenol	ND	10		µg/L	1	7/30/2012 7:02:00 PM
Phenanthrene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Phenol	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
Pyrene	ND	5.0		µg/L	1	7/30/2012 7:02:00 PM
TIC: 13-Docosenamide, (Z)-	29	0	B	µg/L	1	7/30/2012 7:02:00 PM
TIC: 18-Norabietane	2.0	0		µg/L	1	7/30/2012 7:02:00 PM
TIC: 9-Octadecenamide, (Z)-	7.9	0	B	µg/L	1	7/30/2012 7:02:00 PM
TIC: unknown (8.509)	20	0		µg/L	1	7/30/2012 7:02:00 PM
TIC: unknown (8.76)	15	0		µg/L	1	7/30/2012 7:02:00 PM
TIC: unknown (8.845)	16	0		µg/L	1	7/30/2012 7:02:00 PM
TIC: unknown (8.941)	32	0		µg/L	1	7/30/2012 7:02:00 PM
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B				Lab Code: **8260ASP_TCL_W**		Analyst: **EMZ**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
Q	Outlying QC recoveries were associated with this parameter
*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	MW-8
Lab Order:	U1207590	**Collection Date:**	7/24/2012 9:00:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-006	**Matrix:**	WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B — Lab Code: **8260ASP_TCL_W** — Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
2-Butanone	ND	10		µg/L	1	8/2/2012 11:32:00 PM
2-Hexanone	ND	10		µg/L	1	8/2/2012 11:32:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/2/2012 11:32:00 PM
Acetone	ND	10		µg/L	1	8/2/2012 11:32:00 PM
Benzene	2.4	5.0	J	µg/L	1	8/2/2012 11:32:00 PM
Bromodichloromethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Bromoform	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Bromomethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Carbon disulfide	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Carbon tetrachloride	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Chlorobenzene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Chloroethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Chloroform	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Chloromethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
cis-1,2-Dichloroethene	22	5.0		µg/L	1	8/2/2012 11:32:00 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Dibromochloromethane	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Ethylbenzene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
m,p-Xylene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Methylene chloride	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
o-Xylene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Styrene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Tetrachloroethene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Toluene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
trans-1,2-Dichloroethene	4.9	5.0	J	µg/L	1	8/2/2012 11:32:00 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Trichloroethene	ND	5.0		µg/L	1	8/2/2012 11:32:00 PM
Vinyl chloride	110	5.0		µg/L	1	8/2/2012 11:32:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	Dupe at MW-6
Lab Order:	U1207590	**Collection Date:**	7/24/2012 10:00:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL BY NYSDEC ASP 2005			Lab Code: **200.7WTASP**			Analyst: **LET**
[AqPrep Total Metals- EPA 3005A Prep Code: 200.7TPRASP			Prep Date: 7/26/2012 10:52:38 AM			Prep By: ARO]
Aluminum	ND	100		µg/L	1	8/3/2012 12:55:11 PM
Barium	196	50.0		µg/L	1	8/3/2012 12:55:11 PM
Beryllium	ND	3.00		µg/L	1	8/3/2012 12:55:11 PM
Cadmium	ND	5.00		µg/L	1	8/3/2012 12:55:11 PM
Calcium	138000	5000		µg/L	1	8/3/2012 12:55:11 PM
Chromium	ND	10.0		µg/L	1	8/3/2012 12:55:11 PM
Cobalt	ND	20.0		µg/L	1	8/3/2012 12:55:11 PM
Copper	ND	10.0		µg/L	1	8/3/2012 12:55:11 PM
Iron	5760	60.0		µg/L	1	8/3/2012 12:55:11 PM
Magnesium	26900	5000		µg/L	1	8/3/2012 12:55:11 PM
Manganese	1020	10.0		µg/L	1	8/3/2012 12:55:11 PM
Nickel	ND	30.0		µg/L	1	8/3/2012 12:55:11 PM
Potassium	ND	5000		µg/L	1	8/3/2012 12:55:11 PM
Silver	ND	10.0		µg/L	1	8/3/2012 12:55:11 PM
Sodium	12800	5000		µg/L	1	8/3/2012 12:55:11 PM
Vanadium	ND	30.0		µg/L	1	8/3/2012 12:55:11 PM
Zinc	14.2	10.0		µg/L	1	8/3/2012 12:55:11 PM
ASP TOTAL METALS BY ICP-MS BY EPA 200.8			Lab Code: **200.8ASP**			Analyst: **ALW**
[AqPrep ASP Total Metals: - EPA 3005A Prep Code: 200.8TPRASP			Prep Date: 7/26/2012 10:52:45 AM			Prep By: ARO]
Antimony	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Arsenic	ND	25.0		µg/L	5	7/30/2012 3:58:34 PM
Lead	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
Selenium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
Thallium	ND	15.0		µg/L	5	7/30/2012 3:58:34 PM
NOTES:						
The reporting limits were raised due to matrix interference.						
TOTAL MERCURY WATERS ASP BY EPA 245.2			Lab Code: **245.2WTASP**			Analyst: **LET**
[Hg Total Prep by 245.2 Prep Code: 245.2TPRASP			Prep Date: 7/26/2012 11:22:36 AM			Prep By: ARO]
Mercury	ND	0.200		µg/L	1	8/2/2012 2:32:38 PM
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005			Lab Code: **8270_ASPTCL_W**			Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM			Prep By: DMH]
(3+4)-Methylphenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-007

Client Sample ID: Dupe at MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005 — Lab Code: **8270_ASPTCL_W** — Analyst: LD

[AqPrep Sep Funnel: ASP BNA by EPA 3510C — Prep Code: 3510ASP_BNA — Prep Date: 7/27/2012 8:10:03 AM — Prep By: DMH]

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,2-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2,4-Dinitrophenol	ND	10		µg/L	1	7/30/2012 7:41:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2-Methylphenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
2-Nitroaniline	ND	10		µg/L	1	7/30/2012 7:41:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
3,3'-Dichlorobenzidine	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
3-Nitroaniline	ND	10		µg/L	1	7/30/2012 7:41:00 PM
4,6-Dinitro-2-methylphenol	ND	10		µg/L	1	7/30/2012 7:41:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
4-Nitroaniline	ND	10		µg/L	1	7/30/2012 7:41:00 PM
4-Nitrophenol	ND	10		µg/L	1	7/30/2012 7:41:00 PM
Acenaphthene	3.0	5.0	J	µg/L	1	7/30/2012 7:41:00 PM
Acenaphthylene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Anthracene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Bis(2-ethylhexyl)phthalate	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-007

Client Sample ID: Dupe at MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
Butyl benzyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Carbazole	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Chrysene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Di-n-octyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Dibenzofuran	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Fluoranthene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Fluorene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Hexachloroethane	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Isophorone	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Naphthalene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Nitrobenzene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Pentachlorophenol	ND	10		µg/L	1	7/30/2012 7:41:00 PM
Phenanthrene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Phenol	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
Pyrene	ND	5.0		µg/L	1	7/30/2012 7:41:00 PM
TIC: 1,1'-Biphenyl, 2-methyl-	3.7	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: 1-Methylcarbazole	2.3	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: 13-Docosenamide, (Z)-	29	0	B	µg/L	1	7/30/2012 7:41:00 PM
TIC: 1H-Indene, 2,3-dihydro-1,2-dimethy	27	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: 1H-Indene, 2,3-dihydro-1,6-dimethy	30	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: 9-Octadecenamide, (Z)-	5.7	0	B	µg/L	1	7/30/2012 7:41:00 PM
TIC: Benzene, pentamethyl-	62	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: Benzo[b]thiophene, 2,3-dihydro-	200	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: Naphthalene, 1,3-dimethyl-	2.4	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: Naphthalene, 1,4-dimethyl-	5.8	0		µg/L	1	7/30/2012 7:41:00 PM

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter	*	Low Level
**	Value exceeds Maximum Contaminant Value	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
Q	Outlying QC recoveries were associated with this parameter	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-007

Client Sample ID: Dupe at MW-6
Collection Date: 7/24/2012 10:00:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOL ORGANICS BY NYSDEC ASP 2005				Lab Code: **8270_ASPTCL_W**		Analyst: **LD**
[AqPrep Sep Funnel: ASP BNA by EPA 3510C	Prep Code: 3510ASP_BNA			Prep Date: 7/27/2012 8:10:03 AM		Prep By: DMH]
TIC: unknown (10.534)	5.1	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: unknown (11.079)	3.4	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: unknown (8.477)	20	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: unknown (8.584)	20	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: unknown (8.765)	27	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: unknown (8.835)	24	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: unknown (8.947)	37	0		µg/L	1	7/30/2012 7:41:00 PM
TIC: unknown (9.011)	34	0		µg/L	1	7/30/2012 7:41:00 PM
ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B				Lab Code: **8260ASP_TCL_W**		Analyst: **EMZ**
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
2-Butanone	ND	10		µg/L	1	8/3/2012 12:18:00 AM
2-Hexanone	ND	10		µg/L	1	8/3/2012 12:18:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/3/2012 12:18:00 AM
Acetone	ND	10		µg/L	1	8/3/2012 12:18:00 AM
Benzene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Bromoform	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Bromomethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Carbon disulfide	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Chlorobenzene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Chloroethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Chloroform	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Chloromethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Ethylbenzene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM

Approved By: DH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT:	GHD, Inc.	**Client Sample ID:**	Dupe at MW-6
Lab Order:	U1207590	**Collection Date:**	7/24/2012 10:00:00 AM
Project:	153 Fillmore Ave		
Lab ID:	U1207590-007	**Matrix:**	WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B — Lab Code: **8260ASP_TCL_W** — Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
m,p-Xylene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Methylene chloride	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
o-Xylene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Styrene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Toluene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Trichloroethene	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM
Vinyl chloride	ND	5.0		µg/L	1	8/3/2012 12:18:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 8-9-12

Qualifiers:

#	Accreditation not offered by NYS DOH for this parameter
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
Q	Outlying QC recoveries were associated with this parameter
*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-008

Client Sample ID: ULI Trip Blank
Collection Date: 7/24/2012
Matrix: WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B — Lab Code: **8260ASP_TCL_W** — Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
2-Butanone	ND	10		µg/L	1	8/3/2012 1:04:00 AM
2-Hexanone	ND	10		µg/L	1	8/3/2012 1:04:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/3/2012 1:04:00 AM
Acetone	ND	10		µg/L	1	8/3/2012 1:04:00 AM
Benzene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Bromoform	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Bromomethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Carbon disulfide	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Chlorobenzene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Chloroethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Chloroform	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Chloromethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Ethylbenzene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
m,p-Xylene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Methylene chloride	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
o-Xylene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Styrene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Toluene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Trichloroethene	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM
Vinyl chloride	ND	5.0		µg/L	1	8/3/2012 1:04:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *09-Aug-12*

CLIENT: GHD, Inc.
Lab Order: U1207590
Project: 153 Fillmore Ave
Lab ID: U1207590-009

Client Sample ID: Holding Blank
Collection Date: 7/25/2012 9:25:00 AM
Matrix: WATER

ASP/CLP VOLATILES: WATER BY METHOD 5030/8260B — Lab Code: **8260ASP_TCL_W** — Analyst: **EMZ**

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1,1,1-Trichloroethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
1,1,2,2-Tetrachloroethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
1,1-Dichloroethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
1,1-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
1,2-Dichloroethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
1,2-Dichloropropane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
2-Butanone	ND	10		µg/L	1	8/3/2012 1:50:00 AM
2-Hexanone	ND	10		µg/L	1	8/3/2012 1:50:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/3/2012 1:50:00 AM
Acetone	ND	10		µg/L	1	8/3/2012 1:50:00 AM
Benzene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Bromodichloromethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Bromoform	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Bromomethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Carbon disulfide	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Carbon tetrachloride	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Chlorobenzene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Chloroethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Chloroform	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Chloromethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
cis-1,2-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Dibromochloromethane	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Ethylbenzene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
m,p-Xylene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Methylene chloride	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
o-Xylene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Styrene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Tetrachloroethene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Toluene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
trans-1,2-Dichloroethene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Trichloroethene	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM
Vinyl chloride	ND	5.0		µg/L	1	8/3/2012 1:50:00 AM

NOTES:
TICS: No compounds were detected.

Approved By: PH **Date:** 8-9-12

Qualifiers:

- # Accreditation not offered by NYS DOH for this parameter
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Q Outlying QC recoveries were associated with this parameter
- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Chain of Custody Record

ULI Computer Input Form

Client:	Project #/ Project Name	
GHD	153 FILLMORE AVE	
Client Contact:	**Phone #**	**Location (City/State)**
DAVE ROWLINSON	(716) 691-8503	TONAWANDA, NY

Remarks: 10 DAY Turnaround Time

ASP-B

Sample ID	Date	Time	Matrix	Grab or Comp	ULI Internal Use Only U1207590	Number of Containers	1	2	3	4	5	6	7	8	9	10
MW-1	7/24/12	12:00	WATER	GRAB	1	4	X	X	X							
MW-2		12:45	WATER	GRAB	2	4	X	X	X							
MW-5		10:30	WATER	GRAB	3	4	X	X	X							
MW-6		10:00	WATER	GRAB	4	4	X	X	X							
MW-7		11:30	WATER	GRAB	5	4	X	X	X							
MW-8		9:00	WATER	GRAB	6	4	X	X	X							
MS/MSD @ MW-1		12:00	WATER	GRAB		7	X	X	X							
DUPE @ MW-6		10:00	WATER	GRAB	7	4	X	X	X							
ULI TRIP BLANK			WATER	GRAB	8	1	X									
(Holding Blank)	(7/24/12) 7/25/12	(0925)	(Water)	(grab)	9	1	(X)									

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	TCL 8260 VOCs	VIALS	40ML	1:1 HCL
2	TCL 8270 SVOCs	AMBER	1L	NONE
3	T-AL,SB,AS,BA,BE,CD,CA,CR,CO,CU,FE,PB,MG,MN	PLASTIC	500ML	HNO3
	T-HG,NI,K,SE,AG,NA,TL,V,ZN	" "	" "	" "
4				
5				
6				
7				
8				
9				

Sampled by (Print): Brian Doyle

Company: GHD

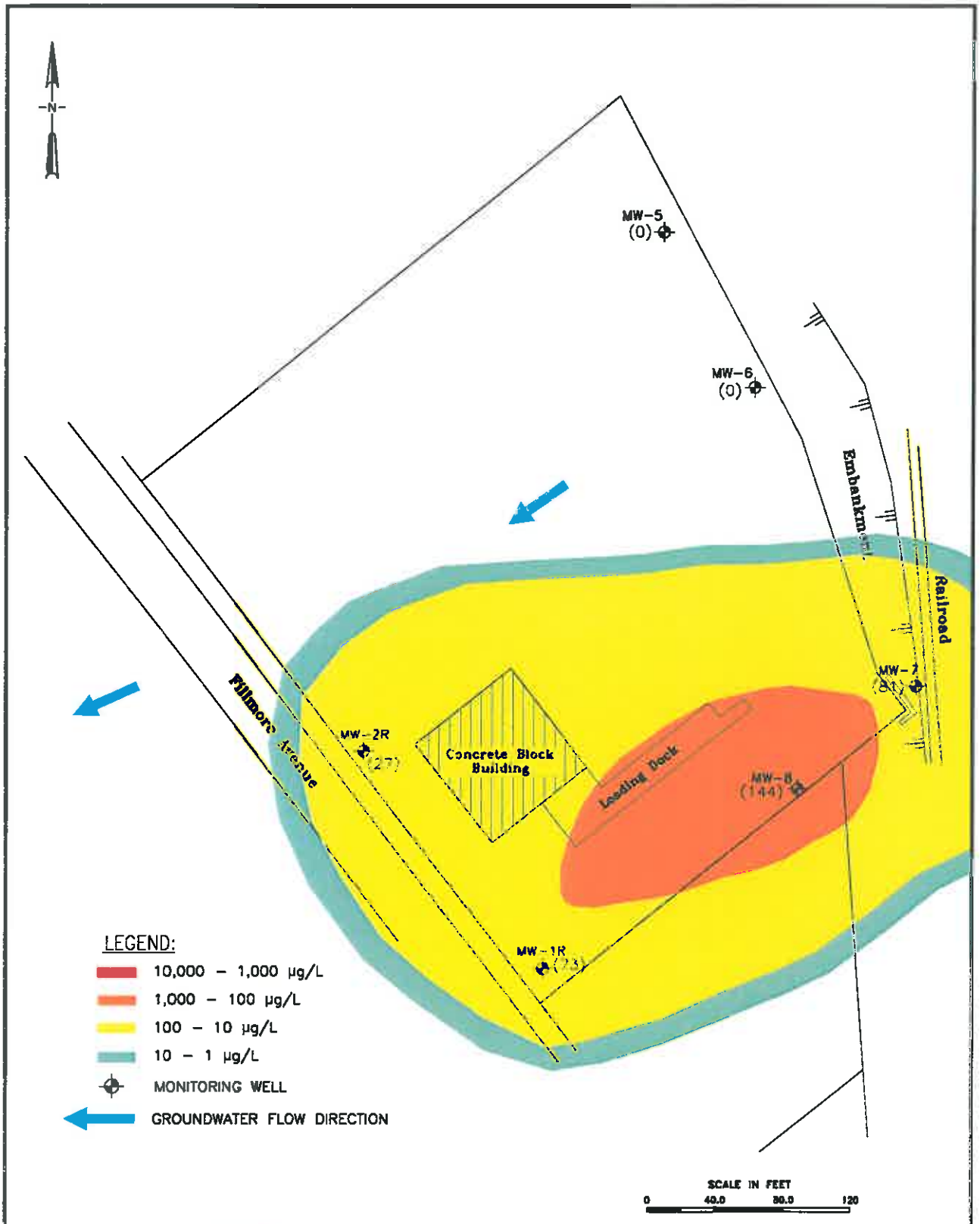
Name of Courier

Relinquished by:(sign)	Date	Time	Received by: (sign)
Brian Doyle	7/24/12	16:00	
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
	7/25/12	0845	B Marsh

[redacted] Rochester [redacted] Buffalo [redacted] Albany [redacted] Binghamton [redacted] Lancaster, NJ [redacted]

APPENDIX C

HISTORICAL GROUNDWATER TOTAL VOC CONCENTRATION FIGURES



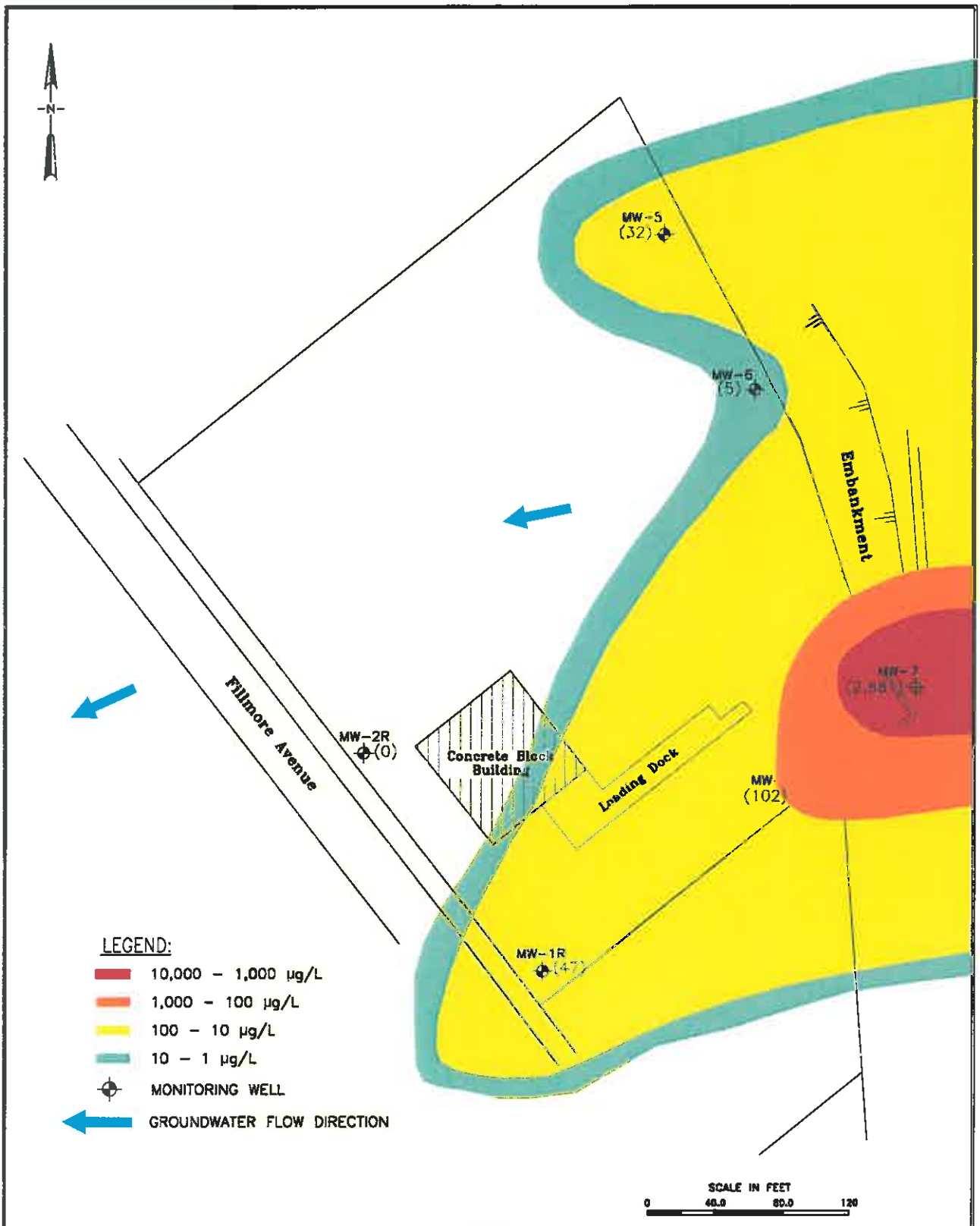
CLIENTS PEOPLE PERFORMANCE

AMHERST, NEW YORK

DATE:09/12 JOB No.:8612199

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

FIGURE 4 – TOTAL GROUNDWATER VOC CONCENTRATION MAP – 07/24/12

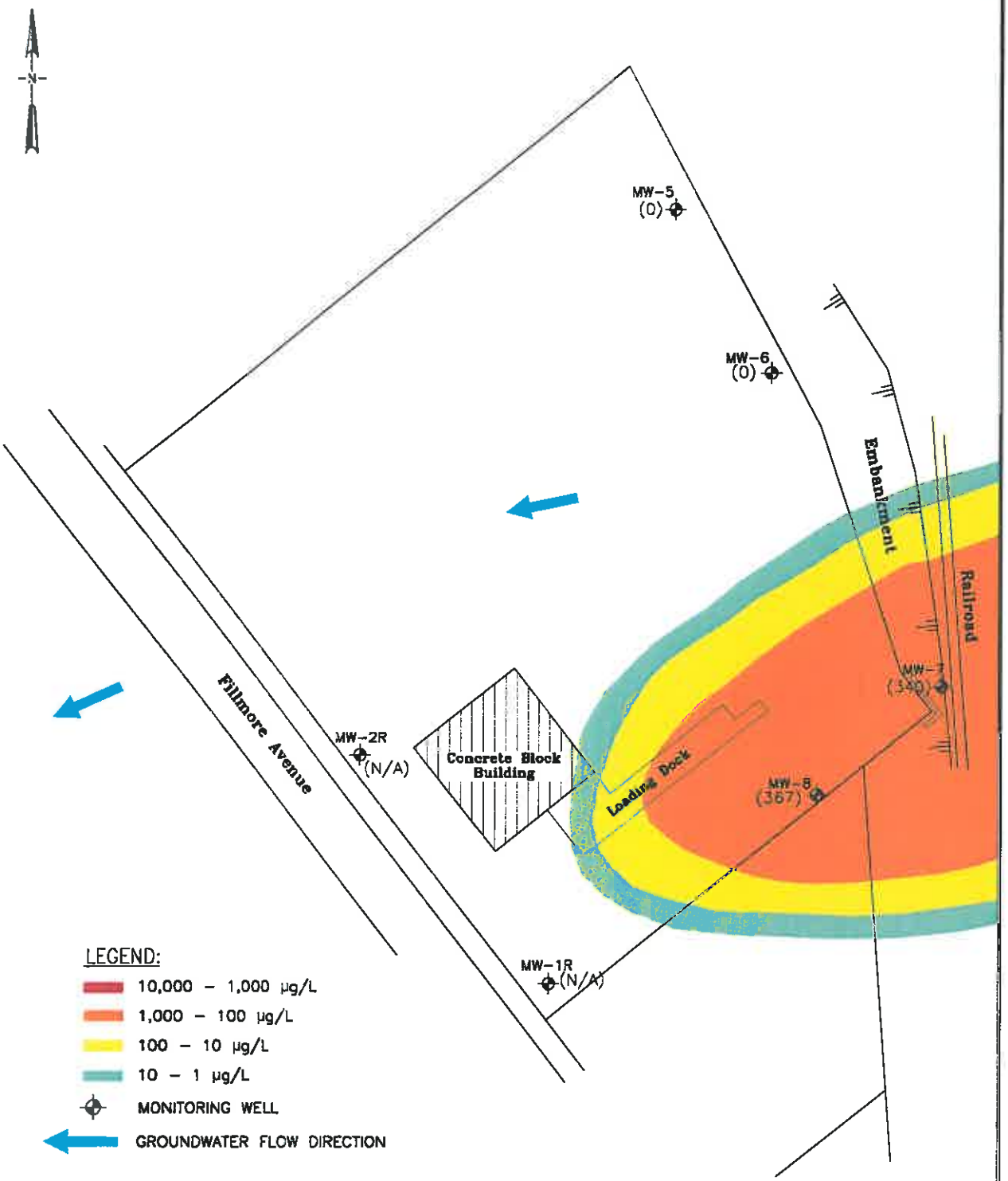


STEARNS & WHELER LLC
Environmental Engineers & Scientists

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

DATE:09/10 JOB No.:71164

APPENDIX C - TOTAL GROUNDWATER VOC CONCENTRATION MAP - 10/17/01

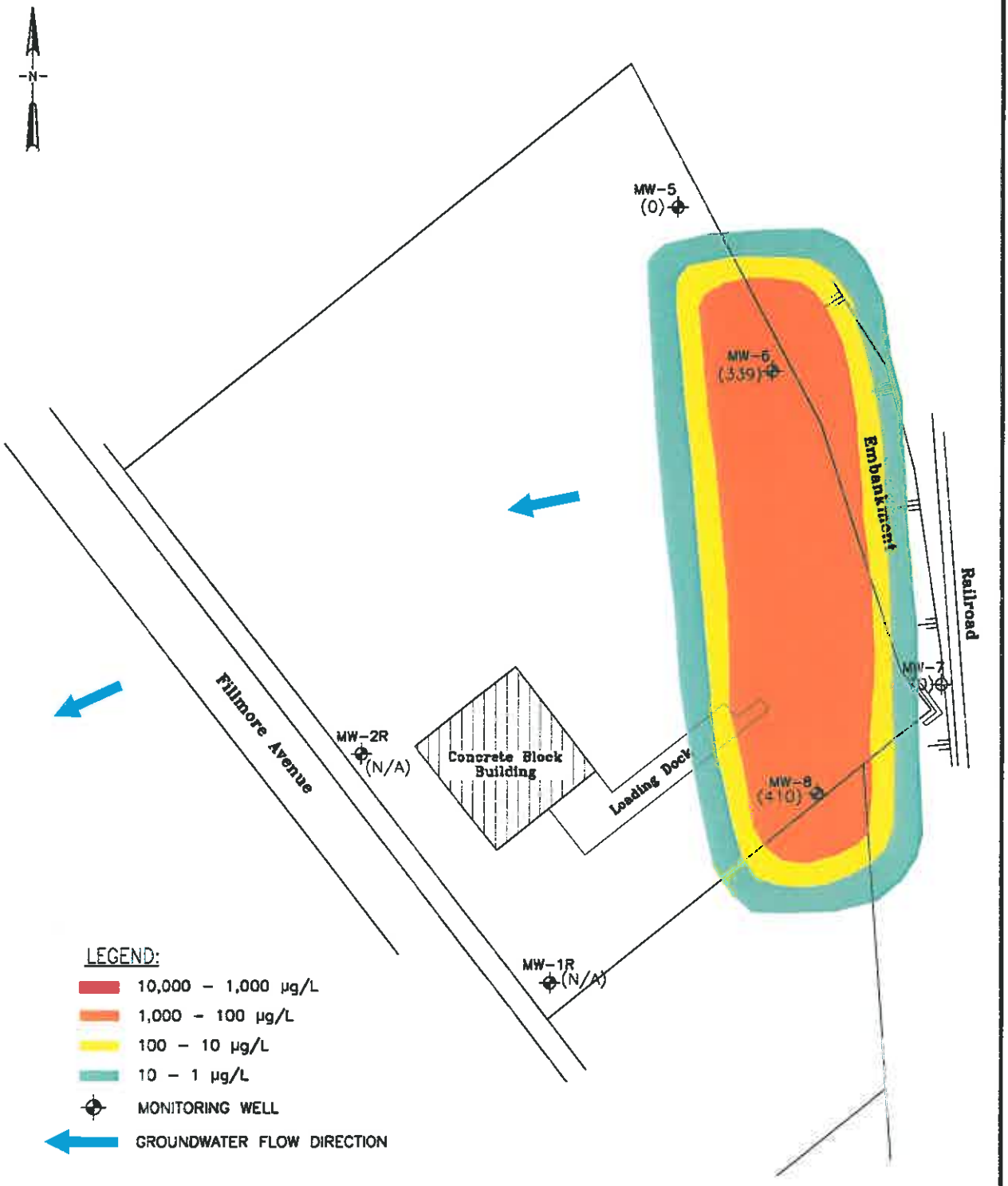


STEARNS & WHELER
Environmental Engineers & Scientists

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

DATE:09/10 JOB No.:71164

APPENDIX C – TOTAL GROUNDWATER VOC CONCENTRATION MAP – 07/26/07

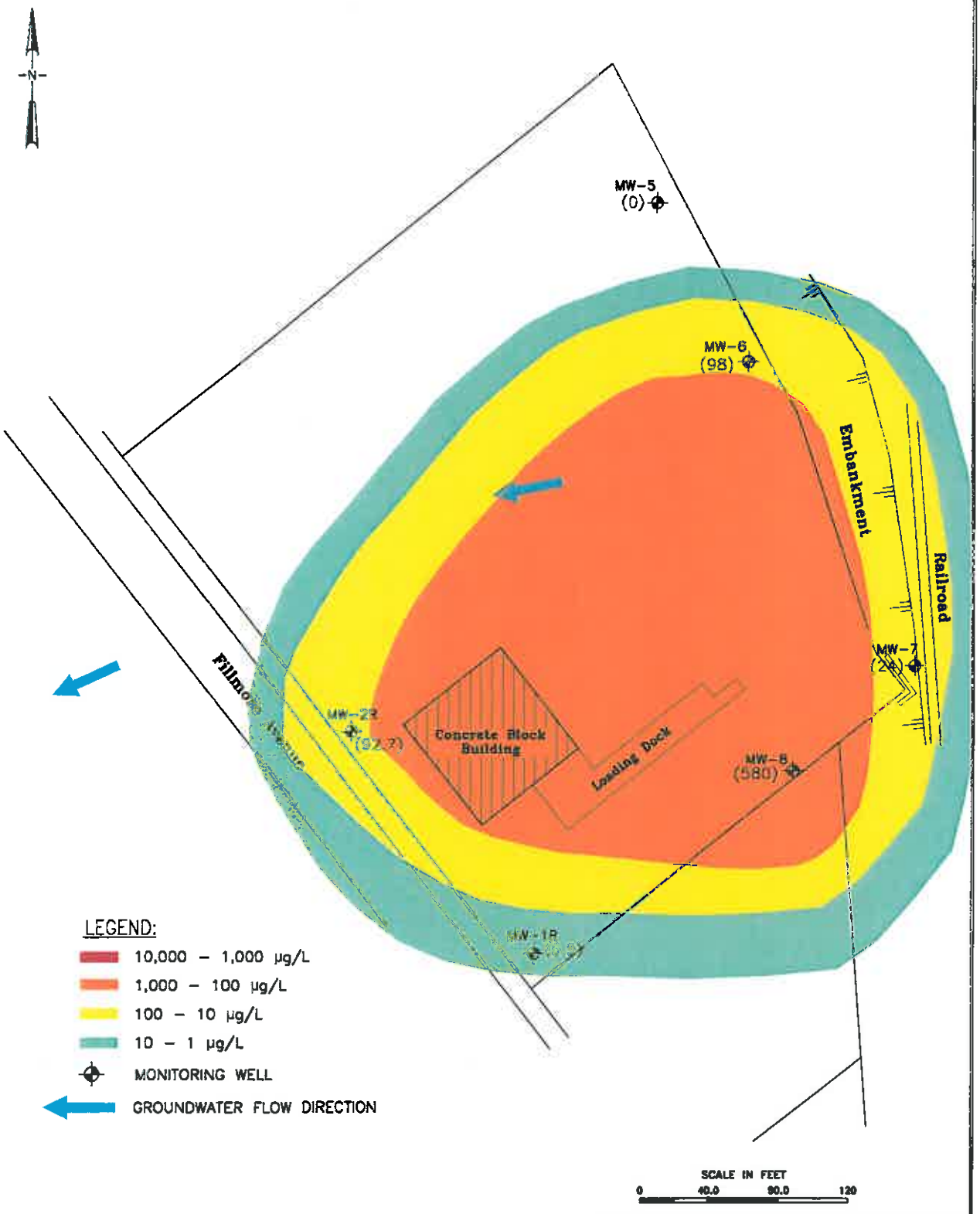


STEARNS & WHELER LLC
Environmental Engineers & Scientists

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

DATE:09/10 JOB No.:71164

APPENDIX C - TOTAL GROUNDWATER VOC CONCENTRATION MAP - 08/27/08

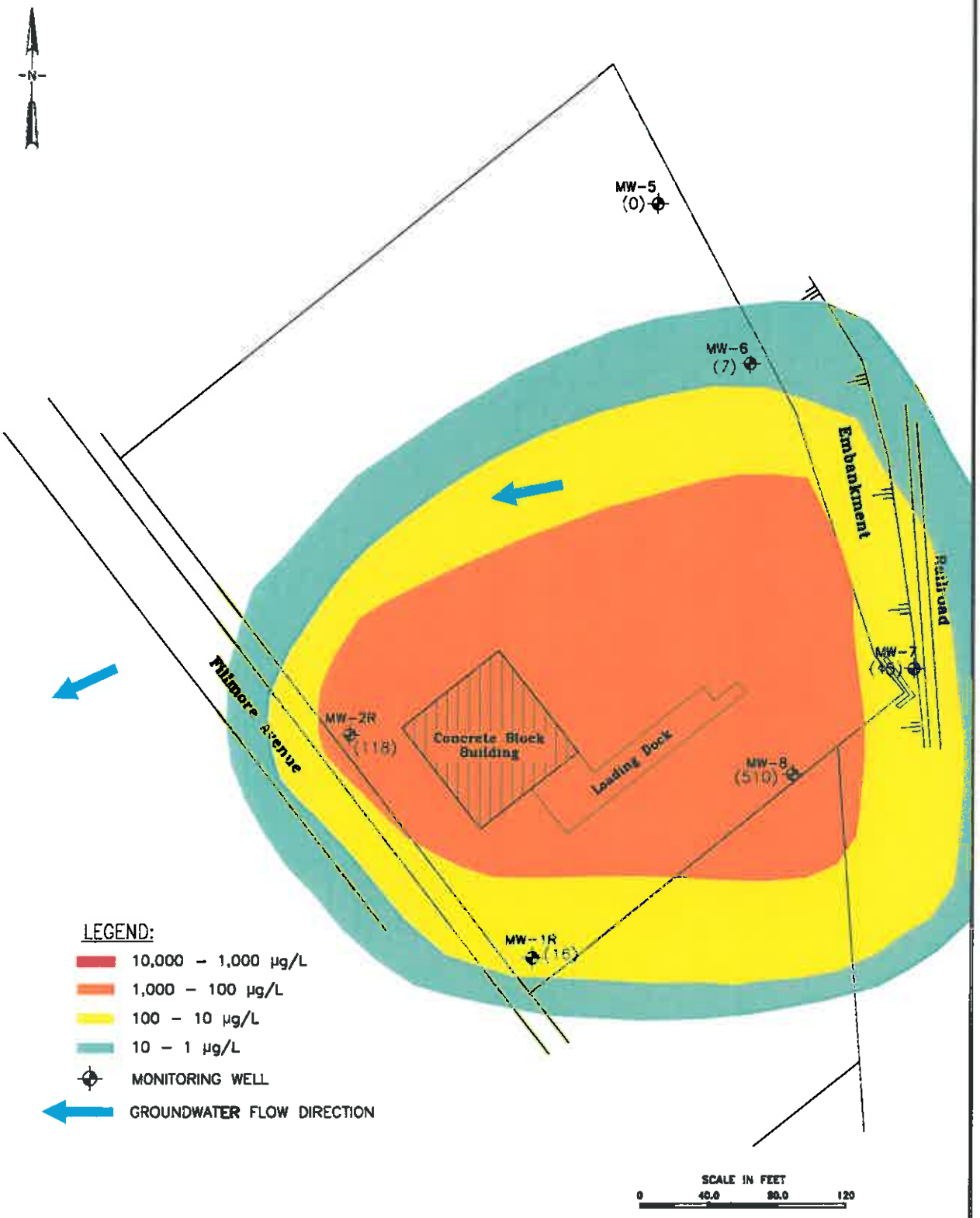


STEARNS & WHELER LLC
Environmental Engineers & Scientists

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

DATE:09/10 JOB No.:71164

APPENDIX C – TOTAL GROUNDWATER VOC CONCENTRATION MAP – 07/22/09

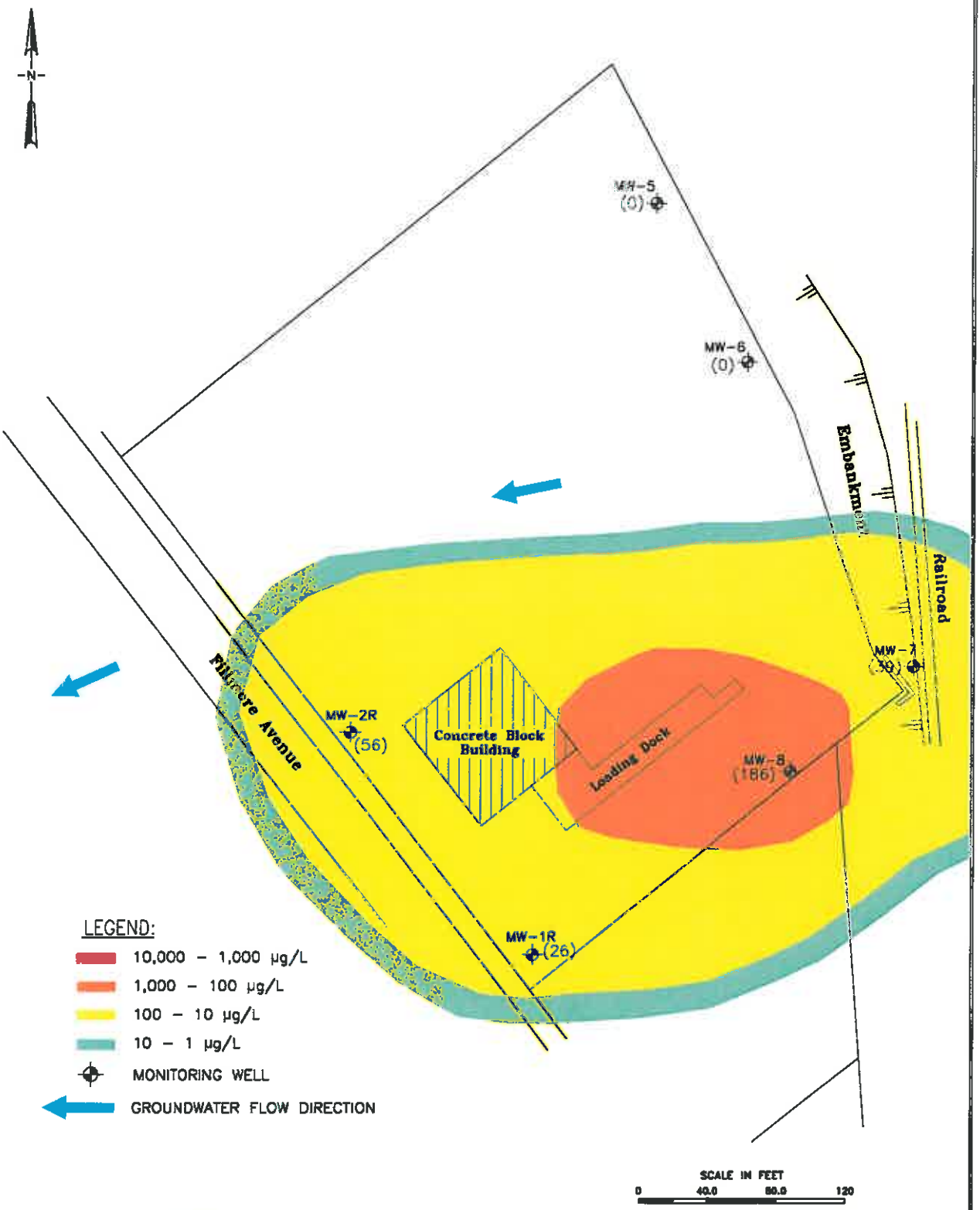


STEARNS & WHELER
Environmental Engineers & Scientists

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

DATE:09/10 JOB No.:71164

APPENDIX C – TOTAL GROUNDWATER VOC CONCENTRATION MAP – 07/14/10



CLIENTS PEOPLE PERFORMANCE

AMHERST, NEW YORK

DATE:09/11 JOB No.:8612199

153 FILLMORE AVENUE SITE
TONAWANDA, NEW YORK
GROUNDWATER MONITORING REPORT

APPENDIX C – TOTAL GROUNDWATER VOC CONCENTRATION MAP – 07/22/11

APPENDIX D

Data Usability Summary Report

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

153 Fillmore Ave.
Upstate Laboratories SDG#U1207590
August 28, 2012
Sampling date: 07/24/12

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Stearns and Wheler GHD, project located in the 153 Fillmore Ave., SDG#U1207590, Upstate laboratories, submitted to Vali-Data of WNY, LLC on August 21, 2012. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocol and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods, 8260 (Volatile Organics), 8270 (Semi-Volatile Organics), 200.7, 200.8 (Inorganics) and 245.2 (Mercury).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Holding Times, Surrogate Spike Recoveries and MS/MSD.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met except no MDL were included in the original package. Those pages are attached. Data was not reported to 3 significant figures due to software issues. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the pH for samples MW-1, MW-2 and ULI Trip blank were outside QC limits upon receipt by Upstate Laboratories. The samples were run outside of the holding times, due to the elevated pH, so detected target analytes in these samples should be qualified as estimated and undetected target analytes should be qualified as unusable.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,2-Dichloroethane-d_4 was outside QC limits, high, in MW-2, MW-5 and ULI Trip Blank. Associated target analytes detected in these samples should be qualified as estimated.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Chlorobenzene was outside QC limits; low, in MW-1MS. The %RPD of all monitored target analytes was outside QC limits. Detected spiked target analytes should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of Trichloroethene was outside ASP QC limits. ASP allows for up the two target analytes to be outside QC limits without further action.

CONTINUING CALIBRATION
All criteria were met except the RRF of Trichloroethene was outside ASP QC limits in the continuing calibration, CCV-74282 and CCV2. ASP allows for up the two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Internal Standard, Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except no MDL were included in the original package. Those pages are attached. Data was not reported to 3 significant figures due to software issues. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area count for Perylene-d_{12} was outside QC limits low in samples MW-2, MW-5, MW-6, MW-7, MW-8, Dupe @ MW-6 and the associated reruns of these samples. Associated target analytes in these samples should be qualified as estimated.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except two TICs were detected in MB-34214.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except the number of TICs in MW-6 was not consistent with Dupe @ MW-6.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Pentachlorophenol was outside QC limits, low, and 2,4-Dinitrotoluene was outside QC limits, high, in LCS-34214 performed on 7/30/12. These target analytes were not detected in the samples so no further action is required.
The %Rec of 2,4-Dinitrophenol was outside QC limits, high, in LCS-34214 performed on 8/1/12. Pentachlorophenol was qualified as estimated in LCS034214 performed on 7/30/12.

MS/MSD
All criteria were met except the %Rec of 2,4-Dinitrotoluene was outside QC limits, high in MW-1MSD. The laboratory control samples exhibited consistent results, so 2,4-Dinitrotoluene should be qualified as estimated in the samples in which it was detected. Pentachlorophenol was qualified as estimated in MW-1MSD due to a concentration above the MDL and below the reporting limit.
MW-1MS was not spiked so all %Rec and %RPD's were outside QC limits.

COMPOUND QUANTITATION
All criteria were met except the number of TIC's in the original running of the samples; MW-2, MW-6, MW-7, MW-8 and Dupe @ MW-6 was not consistent with the number of TIC's in the rerunning of these samples. Pyrene was detected in MW-2 but not in the rerunning of MW-2.

INITIAL CALIBRATION
All criteria were met except some target analytes were not recorded on Form 6. Results for the missing target analytes were recorded on the raw data and did fall within QC limits.

CONTINUING CALIBRATION
All criteria were met except some target analytes were not recorded on the Form 7's. Results

for the missing target analytes were recorded on the raw data and did fall within QC limits. The % D of Pentachlorophenol in continuing calibration file #J07346 was outside ASP outer QC limits and should be qualified as estimated in all associated samples, blanks and spikes. The % D of 4-Nitrophenol in continuing calibration file #J07379 was outside ASP outer QC limits and should be qualified as estimated in all associated samples, blanks and spikes.
The %D of Benzo(g,h,i)perylene was outside QC limits in continuing calibration file #J07379. ASP allows for up to four target analytes to be outside QC limits without further action if they do not exceed the outer QC limits.

GC/MS PERFORMANCE CHECK
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Method Blank
-Laboratory Control Sample
-MS
-Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in MS, Serial Dilution and Calibration.

DATA COMPLETENESS
All criteria were met.

NARATIVE AND DATA REPORTING FORMS
All criteria were met except a couple of raw data pages were not included in the original

package. Those pages are attached.
Ca and Fe were not recorded on Form 6, Duplicates. An updated page is attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met except the pH for samples MW-1, MW-2 and ULI Trip blank were outside QC limits upon receipt by Upstate Laboratories. Upstate Laboratories adjusted the pH to <2.

METHOD BLANK
All criteria were met except Fe and Zn were detected in CCB5 in run #74357. No further action is required because these target analytes were not being monitored at that time.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS
All criteria were met except the %Rec all target analytes except Al were outside QC limits in MW-1S.
The %Rec of all metals monitored in the Post Digest Spike were outside QC limits except Ba, Cr, Cu, Ni and V. No further action is required for Ba, Cr, Cu, Ni and V.
The %Rec of As and Pb was <30% in both MW-1S and the post digest spike, so those metals should be qualified as estimated low, if detected, or unusable, if undetected.
The %Rec of Be, Cd, Co and Ag was outside QC limits, low but >30%, in MW-1S and the post digest spike, so these metals should be qualified as estimated low, if detected, or estimated, if undetected.
The %Rec of Mn and Fe in MW-1S was <30 % and no post digest spike recovery was recorded, so those metals should be qualified as estimated low, if detected, or unusable, if undetected.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
All criteria were met except the %D of Ca and Fe were outside QC limits. The concentrations of Fe in the initial sample and serial dilution were >50x MDL so Fe was qualified with an 'E' in the samples and should be considered estimated.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met the %Rec of Ni was outside QC limits, high, in CCV1, CCV2, CCV3, CCV4 and CCV5 in run #74357. The %Rec of Zn was outside QC limits, high in CCV3, CCV4 and CCV5 in run #74357. The %Rec of Ca was outside QC limits, high in CCV5 in run #74357. The %Rec of Ni was outside QC limits, high in CCV1, CCV2 and CCV3 in run #74385. The %Rec of Tl was outside QC limits, high in the ICV, CCV1, CCV2, CCV3 and CCV4 in run #74204. All associated detects should be qualified as estimated high.

MERCURY

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Method Blank
-Laboratory Control Samples
-MS/MSD
-Duplicate
-Field Duplicate
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY
All criteria were met.

HOLDING TIMES
All holding times were met. (See Holding Times, above in 'Metals')

METHOD BLANK
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

DUPLICATE
All criteria were met.

FIELD DUPLICATE
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

APPENDIX E

Part 375 Soil Cleanup Objectives

(b) Restricted use soil cleanup objectives.

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Groundwater
		Residential	Restricted-Residential	Commercial	Industrial		
Metals							
Arsenic	7440-38-2	16[f]	16[f]	16[f]	16[f]	13[f]	16[f]
Barium	7440-39-3	350[f]	400	400	10,000 [d]	433	820
Beryllium	7440-41-7	14	72	590	2,700	10	47
Cadmium	7440-43-9	2.5[f]	4.3	9.3	60	4	7.5
Chromium, hexavalent [h]	18540-29-9	22	110	400	800	1[e]	19
Chromium, trivalent [h]	16065-83-1	36	180	1,500	6,800	41	NS
Copper	7440-50-8	270	270	270	10,000 [d]	50	1,720
Total Cyanide [h]		27	27	27	10,000 [d]	NS	40
Lead	7439-92-1	400	400	1,000	3,900	63[f]	450
Manganese	7439-96-5	2,000[f]	2,000[f]	10,000 [d]	10,000 [d]	1600[f]	2,000[f]
Total Mercury		0.81[j]	0.81[j]	2.8[j]	5.7[j]	0.18[f]	0.73
Nickel	7440-02-0	140	310	310	10,000 [d]	30	130
Selenium	7782-49-2	36	180	1,500	6,800	3.9[f]	4[f]
Silver	7440-22-4	36	180	1,500	6,800	2	8.3
Zinc	7440-66-6	2200	10,000 [d]	10,000 [d]	10,000 [d]	109[f]	2,480
PCBs/Pesticides							
2,4,5-TP Acid (Silvex)	93-72-1	58	100[a]	500[b]	1,000[c]	NS	3.8
4,4'-DDE	72-55-9	1.8	8.9	62	120	0.0033 [e]	17
4,4'-DDT	50-29-3	1.7	7.9	47	94	0.0033 [e]	136
4,4'- DDD	72-54-8	2.6	13	92	180	0.0033 [e]	14
Aldrin	309-00-2	0.019	0.097	0.68	1.4	0.14	0.19
alpha-BHC	319-84-6	0.097	0.48	3.4	6.8	0.04[g]	0.02
beta-BHC	319-85-7	0.072	0.36	3	14	0.6	0.09
Chlordane (alpha)	5103-71-9	0.91	4.2	24	47	1.3	2.9

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
delta-BHC	319-86-8	100[a]	100[a]	500[b]	1,000[c]	0.04[g]	0.25
Dibenzofuran	132-64-9	14	59	350	1,000[c]	NS	210
Dieldrin	60-57-1	0.039	0.2	1.4	2.8	0.006	0.1
Endosulfan I	959-98-8	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan II	33213-65-9	4.8[i]	24[i]	200[i]	920[i]	NS	102
Endosulfan sulfate	1031-07-8	4.8[i]	24[i]	200[i]	920[i]	NS	1,000[c]
Endrin	72-20-8	2.2	11	89	410	0.014	0.06
Heptachlor	76-44-8	0.42	2.1	15	29	0.14	0.38
Lindane	58-89-9	0.28	1.3	9.2	23	6	0.1
Polychlorinated biphenyls	1336-36-3	1	1	1	25	1	3.2
Semivolatiles							
Acenaphthene	83-32-9	100[a]	100[a]	500[b]	1,000[c]	20	98
Acenapthylene	208-96-8	100[a]	100[a]	500[b]	1,000[c]	NS	107
Anthracene	120-12-7	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benz(a)anthracene	56-55-3	1[f]	1[f]	5.6	11	NS	1[f]
Benzo(a)pyrene	50-32-8	1[f]	1[f]	1[f]	1.1	2.6	22
Benzo(b)fluoranthene	205-99-2	1[f]	1[f]	5.6	11	NS	1.7
Benzo(g,h,i)perylene	191-24-2	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Benzo(k)fluoranthene	207-08-9	1	3.9	56	110	NS	1.7
Chrysene	218-01-9	1[f]	3.9	56	110	NS	1[f]
Dibenz(a,h)anthracene	53-70-3	0.33[e]	0.33[e]	0.56	1.1	NS	1,000[c]
Fluoranthene	206-44-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Fluorene	86-73-7	100[a]	100[a]	500[b]	1,000[c]	30	386
Indeno(1,2,3-cd)pyrene	193-39-5	0.5[f]	0.5[f]	5.6	11	NS	8.2
m-Cresol	108-39-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
Naphthalene	91-20-3	100[a]	100[a]	500[b]	1,000[c]	NS	12

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
o-Cresol	95-48-7	100[a]	100[a]	500[b]	1,000[c]	NS	0.33[e]
p-Cresol	106-44-5	34	100[a]	500[b]	1,000[c]	NS	0.33[e]
Pentachlorophenol	87-86-5	2.4	6.7	6.7	55	0.8[e]	0.8[e]
Phenanthrene	85-01-8	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Phenol	108-95-2	100[a]	100[a]	500[b]	1,000[c]	30	0.33[e]
Pyrene	129-00-0	100[a]	100[a]	500[b]	1,000[c]	NS	1,000[c]
Volatiles							
1,1,1-Trichloroethane	71-55-6	100[a]	100[a]	500[b]	1,000[c]	NS	0.68
1,1-Dichloroethane	75-34-3	19	26	240	480	NS	0.27
1,1-Dichloroethene	75-35-4	100[a]	100[a]	500[b]	1,000[c]	NS	0.33
1,2-Dichlorobenzene	95-50-1	100[a]	100[a]	500[b]	1,000[c]	NS	1.1
1,2-Dichloroethane	107-06-2	2.3	3.1	30	60	10	0.02[f]
cis-1,2-Dichloroethene	156-59-2	59	100[a]	500[b]	1,000[c]	NS	0.25
trans-1,2-Dichloroethene	156-60-5	100[a]	100[a]	500[b]	1,000[c]	NS	0.19
1,3-Dichlorobenzene	541-73-1	17	49	280	560	NS	2.4
1,4-Dichlorobenzene	106-46-7	9.8	13	130	250	20	1.8
1,4-Dioxane	123-91-1	9.8	13	130	250	0.1[e]	0.1[e]
Acetone	67-64-1	100[a]	100[b]	500[b]	1,000[c]	2.2	0.05
Benzene	71-43-2	2.9	4.8	44	89	70	0.06
Butylbenzene	104-51-8	100[a]	100[a]	500[b]	1,000[c]	NS	12
Carbon tetrachloride	56-23-5	1.4	2.4	22	44	NS	0.76
Chlorobenzene	108-90-7	100[a]	100[a]	500[b]	1,000[c]	40	1.1
Chloroform	67-66-3	10	49	350	700	12	0.37
Ethylbenzene	100-41-4	30	41	390	780	NS	1
Hexachlorobenzene	118-74-1	0.33[e]	1.2	6	12	NS	3.2
Methyl ethyl ketone	78-93-3	100[a]	100[a]	500[b]	1,000[c]	100[a]	0.12

Table 375-6.8(b): Restricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Protection of Public Health				Protection of Ecological Resources	Protection of Ground-water
		Residential	Restricted-Residential	Commercial	Industrial		
Methyl tert-butyl ether	1634-04-4	62	100[a]	500[b]	1,000[c]	NS	0.93
Methylene chloride	75-09-2	51	100[a]	500[b]	1,000[c]	12	0.05
n-Propylbenzene	103-65-1	100[a]	100[a]	500[b]	1,000[c]	NS	3.9
sec-Butylbenzene	135-98-8	100[a]	100[a]	500[b]	1,000[c]	NS	11
tert-Butylbenzene	98-06-6	100[a]	100[a]	500[b]	1,000[c]	NS	5.9
Tetrachloroethene	127-18-4	5.5	19	150	300	2	1.3
Toluene	108-88-3	100[a]	100[a]	500[b]	1,000[c]	36	0.7
Trichloroethene	79-01-6	10	21	200	400	2	0.47
1,2,4-Trimethylbenzene	95-63-6	47	52	190	380	NS	3.6
1,3,5- Trimethylbenzene	108-67-8	47	52	190	380	NS	8.4
Vinyl chloride	75-01-4	0.21	0.9	13	27	NS	0.02
Xylene (mixed)	1330-20-7	100[a]	100[a]	500[b]	1,000[c]	0.26	1.6

All soil cleanup objectives (SCOs) are in parts per million (ppm).
NS=Not specified. See Technical Support Document (TSD).

Footnotes

[a] The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 ppm. See TSD section 9.3.

[b] The SCOs for commercial use were capped at a maximum value of 500 ppm. See TSD section 9.3.

[c] The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 ppm. See TSD section 9.3.

[d] The SCOs for metals were capped at a maximum value of 10,000 ppm. See TSD section 9.3.

[e] For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the SCO value.

[f] For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.

[g] This SCO is derived from data on mixed isomers of BHC.

[h] The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

[i] This SCO is for the sum of endosulfan I, endosulfan II, and endosulfan sulfate.

[j] This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See TSD Table 5.6-1.