153 Fillmore Avenue Site 2008 Annual Report Monitoring and Sampling Results

City of Tonawanda

May 2009

Amherst, New York

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153 FILLMORE AVENUE SITE 2008 ANNUAL REPORT MONITORING AND SAMPLING RESULTS

CITY OF TONAWANDA



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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 1-1). 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.

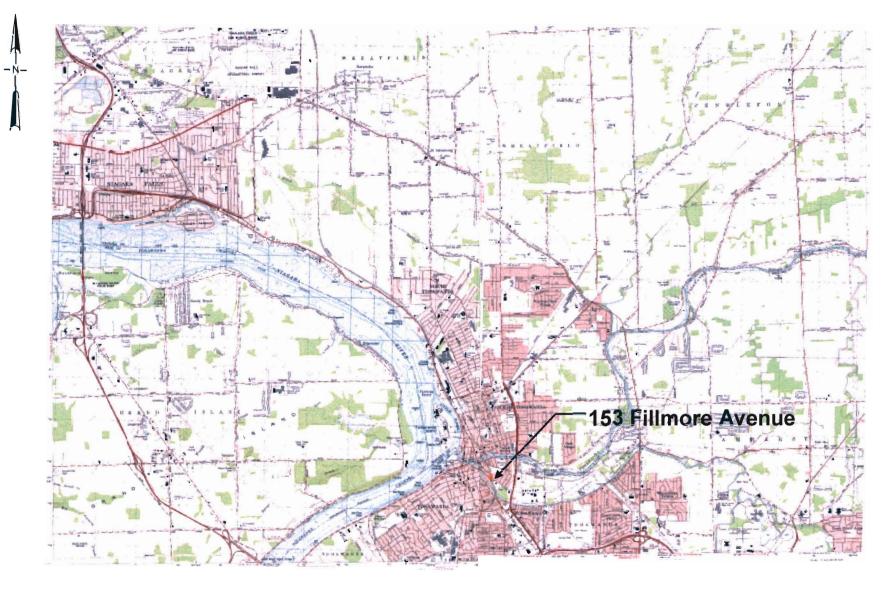
1.2 Site History

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)



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FIGURE 1-1 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 VOCs and 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 requires 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).

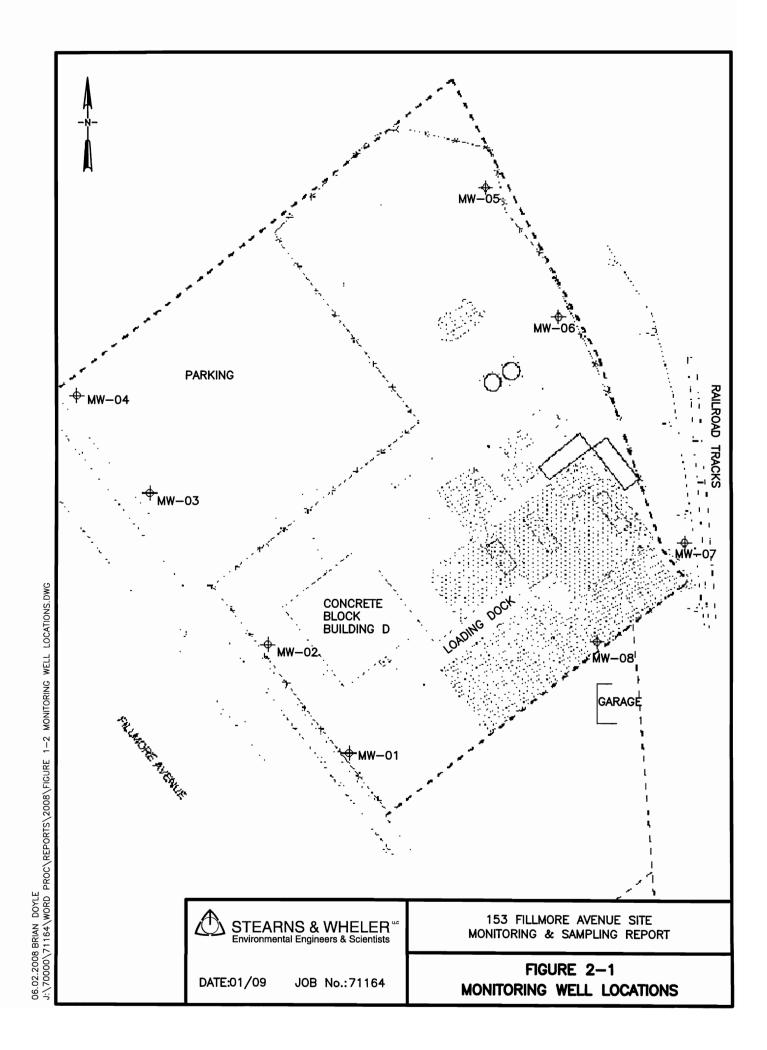
SECTION 2 - MONITORING PROGRAM

The monitoring program at the 153 Fillmore Avenue in the City of Tonawanda consisted of one annual sampling event completed in August 2008. Four groundwater samples were collected from monitoring wells MW-5, MW-6, MW-7, and MW-8, located on the perimeter of the property as presented in Figure 2-1. Appendix A contains the groundwater field sampling logs that were used to record field information at each sampling point. The groundwater samples were tested by a New York State Certified Laboratory under CLP protocols with ASP Deliverable B test results (refer to Appendix B for the Data Usability Summary Report detailing the QA/QC summary). The following is a summary of analytical test results:

- 1. At each sampling location, field measurements were collected for temperature, pH, conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential (ORP). The results of these parameters are presented in Table 1. Dissolved Oxygen percent was not measured due to field equipment error.
- 2. A summary of the 2008 annual groundwater quality data is presented in Tables 2, 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).
- 3. The volatile organic analytical test results detected concentrations of vinyl chloride (MW-6 and MW-8), trans-1,2-dichloroethene (MW-8), cis-1,2-dichloroethene (MW-6 and MW-8), exceeding groundwater quality standards as presented in Table 2. The groundwater sample from MW-6 was analyzed at a dilution factor of 10 and MW-7 was analyzed at a dilution factor of 5.
- 4. The semi-volatile organic analytical test results detected concentrations of bis(2-ethylhexyl)phthalate (MW-5), exceeding groundwater quality standards as presented in Table 3. Even though concentrations of bis(2-ethylhexyl)phthalate were detected, the concentrations were detected below quantitation limits qualifying the data.
- 5. Pesticides and PCBs were analyzed and reported in 2007. The analytical lab was instructed to test for volatiles, semi-volatiles and inorganic metals, however, also included pesticides and PCBs. Pesticides and PCBs were not required to be tested during the 2008 sampling

event. Analytical test results from 2001 and 2007 have been included in the 2008 reporting and are presented in Table 4.

6. The inorganic metals analytical test results detected concentrations of aluminum (MW-5, MW-7), cadmium (MW-7), iron (all wells), lead (MW-5 and MW-7), magnesium (MW-5, MW-7), manganese (MW-6, MW-7, MW-8), and zinc (MW-7) exceeding groundwater quality standards as presented in Table 5.



SECTION 3 - COMPARISON OF SAMPLING EVENTS

Groundwater sampling and testing of the reported parameters have been conducted in 2001, 2007 and the current reporting sampling event of 2008. Analytical testing included CLP protocols with ASP Deliverable B test results for volatile, semi-volatile, and inorganic metals.

3.1 Volatile Organic Analytical Test Results

The volatile organic analytical test results for the sampling event of 2008 varied depending on the monitoring well and specific compounds detected in groundwater in comparison with the sampling events of 2001 and 2007. Results showed increasing and decreasing volatile organic concentrations when comparing test data from all sampling events. Analytical test results are presented on Table 2.

Volatile organic analytical test results from 2008 detected significant concentrations of cis-1,2-dichloroethene and vinyl chloride in groundwater sampled from monitoring well MW-6. Historically, test results have detected in groundwater sampled from monitoring well MW-7 significant concentrations of volatile organics. However, 2008 analytical testing shows non detectable results. In review of the analytical test data from both wells, it could be construed that a possible transposing or lab error has occurred. All data was rechecked and verified correct as reported. The analytical testing laboratory was contacted and confirmed test data as reported is correct. As part of the QA/QC program, a field duplicate was sampled and collected from monitoring well MW-6. Analytical test results from the field duplicate sample and the actual sample collected from MW-6 exhibited similar test results.

Detected concentrations of vinyl chloride decreased in groundwater sampled from monitoring wells MW-7 and MW-8. Concentrations of vinyl chloride were detected in groundwater sampled from MW-6, which represented the first time vinyl chloride was detected in groundwater during sampling events of 2001, 2007 and 2008. Detected concentrations of vinyl chloride exceeded groundwater quality standards for all sampling events in at least one well.

Concentrations of trans-1,2-dichloroethene in groundwater sampled from monitoring well MW-7 in 2007 decreased to non detectable results. Concentrations of trans-1,2-dichloroethene were detected in groundwater sampled from monitoring well MW-8 representing an increase in concentration from the sampling event of 2007. Detected concentrations of trans-1,2-

dichloroethene exceeded groundwater quality standards for all sampling events in at least one well.

Concentrations of cis-1,2-dichloroethene in groundwater sampled from monitoring well MW-7 in 2007 decreased to non detectable results. Concentrations of cis-1,2-dichloroethene were detected in groundwater sampled from monitoring well MW-8 representing an increase in concentration from the sampling event of 2007. Detected concentrations of cis-1,2-dichloroethene exceeded groundwater quality standards for all sampling events in at least one well.

Concentrations of trichloroethene and tetrachloroethene in groundwater sampled from monitoring wells MW-7 in 2008 decreased to non detectable results. The detected concentrations above groundwater quality standards of benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, and styrene in groundwater sampled during the 2001 sampling event have not been detected during the sampling events of 2007 and 2008.

3.2 Semi-Volatile Organic Analytical Test Results

The semi-volatile organic analytical test results for the sampling event of 2008 varied depending on the monitoring well location and specific compounds detected in groundwater in comparison with the sampling events of 2001 and 2007. Results showed increasing and decreasing semi-volatile organic concentrations when comparing data from sampling events. Analytical test results are presented on Table 3.

Detected concentrations of acenaphthene decreased in groundwater sampled from monitoring well MW-8. Detected concentrations of acenaphthene did not exceed groundwater quality standards.

Detected concentrations of bis(2-ethylhexyl)phthalate increased in groundwater sampled from monitoring well MW-5 which represented concentrations detected above the reporting limit. Detected concentrations of bis(2-ethylhexyl)phthalate decreased in groundwater sampled from monitoring well MW-6 which did not exceed groundwater quality standards.

Concentrations of di-n-octyl phthalate in groundwater sampled from monitoring well MW-5 in 2007 decreased to non detectable results. Concentrations of benz(a)anthracene, chrysene, and

benzo(b)fluoranthene in groundwater sampled from monitoring well MW-7 in 2007 decreased to non detectable results.

The detected concentrations exceeding groundwater quality standards in groundwater sampled during the 2001 sampling event of naphthalene (MW-5 and MW-7), fluorine (MW-5, MW-6 and MW-7), phenanthrene (MW-5, MW-6 and MW-7), anthracene (MW-6), fluoranthene (MW-6), pyrene (MW-6 and MW-7) and bis(2-ethylhexyl)phthalate (MW-8) decreased to non detectable results during the sampling events of 2007 and 2008.

3.3 Pesticides and PCBs Analytical Test Results

Concentrations of aroclor 1260 in groundwater sampled from monitoring well MW-5 in 2007 decreased to non detectable results. The remaining PCBs and pesticides parameters as reported in 2007 were non detectable. The pesticides and PCBs analytical test results have been included in 2008 reporting for information purposes and are presented in Table 4. Pesticides and PCBs were not required to be sampled and tested.

3.4 Inorganic Metals Analytical Test Results

Detected concentrations of inorganic metals for the 2008 sampling event that exceeded groundwater quality standards increased in concentrations of most parameters when compared with 2007 analytical test results. Analytical test results are presented on Table 5.

Detected concentrations of aluminum increased in groundwater sampled from in all monitoring wells. Detected concentrations of aluminum exceeded groundwater quality standards in MW-5 and MW-7.

Detected concentrations of cadmium increased in groundwater sampled from monitoring well MW-5 and MW-7. Detected concentrations of cadmium exceeded groundwater quality standards in MW-7.

Detected concentrations of iron increased in groundwater sampled from monitoring wells MW-5, MW-6, MW-7, and MW-8. Detected concentrations of iron exceeded groundwater quality standards.

Detected concentrations of lead increased in groundwater sampled from monitoring wells MW-5 and MW-7. Detected concentrations of lead exceeded groundwater quality standards. Concentrations detected in monitoring wells MW-6 and MW-8 also increased in concentration, however, they did not exceed groundwater quality standards.

Detected concentrations of magnesium increased in groundwater sampled from monitoring wells MW-5 and MW-7. Detected concentrations of magnesium exceeded groundwater quality standards. Concentrations of magnesium detected in monitoring wells MW-6 and MW-8 decreased in concentration and did not exceed groundwater quality standards.

Concentrations of selenium decreased in groundwater sampled from monitoring wells MW-5, MW-6, MW-7 and MW-8 to non detectable results.

Detected concentrations of mercury increased in groundwater sampled from monitoring well MW-7 but did not exceed groundwater quality standards. Non detectable results were reported for mercury in groundwater from monitoring wells, MW-5, MW-6 and MW-8. The only other detected concentration of mercury occurred in samples collected from monitoring well MW-5 during the 2001 sampling event.

Detected concentrations that did not exceed groundwater quality standards and represented an increase in concentration when compared to test results from 2007 are: aluminum (MW-5 and MW-8), barium (MW-5, MW-6, MW-7, and MW-8), cadmium (MW-5 and MW-7), calcium (MW-7, and MW-8), chromium (MW-5, and MW-7), cobalt (MW-7), copper (MW-5, MW-6, and MW-8), lead (MW-6, and MW-8), nickel (MW-7), potassium (MW-5, MW-6, MW-7, and MW-8), sodium (MW-8), vanadium (MW-7), and zinc (MW-5, and MW-8).

Detected concentrations that did not exceed groundwater quality standards and represented a decrease in concentration when compared to test results from 2007 are: calcium (MW-5, and MW-6), magnesium (MW-6, and MW-8), selenium (MW-5 and MW-8), sodium (MW-5 and MW-7), and zinc (MW-6).

Detected concentrations of manganese increased in groundwater sampled from monitoring wells MW-6, MW-7 and MW-8 and exceed groundwater quality standards.

SECTION 4 - GROUNDWATER ELEVATION DATA SUMMARY

Groundwater levels were collected at each monitoring well and are presented in Table 6. There was a discrepancy in static water elevation for monitoring well MW-7. When comparing groundwater level data of monitoring well MW-7 with the other monitoring wells on the site, a difference between groundwater elevations approximates 8-feet. The top of casing measuring point elevation was verified with the original Site Investigation/Remedial Alternatives Report (SI/RAR) completed by URS in April 2002. It appears that as reported in the SI/RAR that monitoring well MW-7 is located within the fenced property. Presently, monitoring well MW-7 is located on the slope outside the fenced property leading to railroad tracks. Monitoring well MW-7 requires resurveying in the future.

In general and disallowing groundwater data from monitoring well MW-7, the groundwater elevation data indicates that groundwater flows toward the north. The up gradient monitoring well is identified as monitoring well MW-8. Due to the limited number of monitoring points available, determination of exact groundwater flow direction can not be determined. A northward direction can be attributed to the available data.

SECTION 5 - SUMMARY

- Analytical test results identified volatile organic compound concentrations that exceeded groundwater standards. Analytical testing detected the volatiles: vinyl chloride, trans-1,2dichloroethene, and cis-1,2-dichloroethene at concentrations exceeding groundwater quality standards.
- Volatile organic analytical test results detected increasing concentrations of volatile compounds in groundwater sampled from monitoring wells MW-6 and MW-8 that exceeded groundwater standards.
- 3. Concentrations of vinyl chloride were detected in groundwater sampled from monitoring well MW-6, which represented the first time vinyl chloride was detected in groundwater during sampling events of 2001, 2007 and 2008.
- 4. Semi-volatiles organic analytical test results detected the concentrations of bis(2-ethylhexyl)phthalate that exceeded groundwater quality standards.
- 5. Inorganic metals analytical test results have detected concentrations of aluminum, cadmium, iron, lead, magnesium, manganese, and zinc that exceed groundwater quality standards.
- 6. Trend analysis of volatile parameters indicates the concentrations of vinyl chloride, trans-1,2-dichloroethene, and cis-1,2-dichloroethene are increasing at one or more monitoring wells.
- 7. Trend analysis of semi-volatile parameters indicates the concentration of bis(2-ethylhexyl)phthalate to be increasing at one monitoring well. Other concentrations of semi-volatile compounds were decreasing at other monitoring well locations.
- 8. Pesticides and PCBs analytical test results as reported in 2007 was non detectable in all monitoring wells.
- 9. Trend analysis for inorganic metals indicates additional metal parameters as increasing in concentrations that represent concentrations exceeding groundwater quality standards.
 - Analysis of metals indicates the concentrations of aluminum, cadmium, iron, lead, magnesium, manganese and zinc are increasing at monitoring well MW-7.

- Analysis of metals indicates the concentrations of aluminum, iron, lead, and magnesium are increasing at monitoring well MW-5.
- Analysis of metals indicates the concentrations of iron and manganese are increasing at monitoring well MW-6.
- Analysis of metals indicates the concentrations of iron and manganese are increasing at monitoring well MW-8.
- 10. Mercury was detected in groundwater sampled from monitoring well MW-7 representing a concentration that did not exceed groundwater quality standards. However, this was the first occurrence of mercury since the 2001 sampling event detected mercury in groundwater sampled from monitoring well MW-6.
- 11. If additional sampling is required by the NYSDEC in 2009, monitoring well MW-7 will require resurveying to verify top of casing elevation.
- 12. As required from NYSDEC report comments, two (2) additional wells will be required to be installed at locations MW-1 and MW-2. These wells will be added to the groundwater sampling annual program.

TABLES



TABLE 1 153 Fillmore Avenue Site City of Tonawanda

2008 Field Groundwater Parameters

D	Location										
Parameter	MW-5	MW-6	MW-7	MW-8							
Temperature (°C)	16.40	15.20	16.90	14.00							
pН	6.62	6.78	6.37	6.76							
Conductivity (mS/cm)	0.9	0.89	1.29	0.93							
Dissolved Oxygen (%)	*	*	*	*							
Turbidity (NTUs)	29.80	17.80	4.45	26.00							
ORP (mV)	-58.0	-98.0	88.0	-125.0							

^{*} Dissolved Oxygen % not measured due to field equipment error

TABLE 2
153 Fillmore Avenue Site
City of Tonawanda
Volatile Organic Analytical Test Results

Location II	D			MW-5			MW-6			MW-7			MW-8	
Year Sampl	ed		2001	2007	2008	2001	2007	2008	2001	2007**	2008	2001	2007	2008
Parameter	Units	Criteria*					<u>' </u>							
Chloromethane	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Vinyl chloride	μg/L	2.0	ND	ND	ND	ND	ND	99	10	40 J	ND	54	190	160
Bromomethane	μg/L	5.0	•	ND	ND		ND	ND	-	ND	ND	-	ND	ND
Chloroethane	μg/L	5.0	•	ND	ND	-	ND	ND		ND	ND	-	ND	ND
Acetone	μg/L	50.0	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	μg/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND_	ND	ND	ND	ND
Carbon disulfide	μg/L	60.0	•	ND	ND	-	ND	ND	-	ND	ND		ND	ND
Methylene chloride	μg/L	5.0	-	ND	ND		ND	ND	-	ND	ND	-	ND	ND
trans-1,2-Dichloroethene	μg/L	5.0	ND	ND	ND	ND	ND	ND	ND	10 J	ND_	7	15	20 J
1,1-Dichloroethane	μg/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND_	ND
2-Butanone	μg/L	50.0	-	ND	ND	-	ND	ND		ND	ND _	-	ND	ND
cis-1,2-Dichloroethene	μg/L	5.0	ND	ND	ND	ND	ND	240	150	270	ND	31	160	230
Chloroform	μg/L	7.0	-	ND	ND	-	ND	ND	-	ND	ND		ND	ND
1,1,1-Trichloroethane	μg/L	5.0		ND	ND	-	ND	ND	-	ND	ND		ND	ND_
Carbon tetrachloride	μg/L	5.0	•	ND	ND	-	ND	ND		ND	ND	-	ND	ND
Benzene	μg/L	1.0	2	ND	ND	ND	ND	ND	36	ND	ND	4	ND	ND
1,2-Dichloroethane	μg/L	0.6	•	ND	ND	-	ND	ND		ND	ND	-	ND	ND
Trichloroethene	μg/L	5.0	ND	ND	ND	ND	ND	ND	19	10 J	ND	ND	ND	ND
1,2-Dichloropropane	μg/L	1.0		ND	ND	-	ND	ND		ND	ND	-	ND	ND
Bromodichloromethane	μg/L	50.0		ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
4-Methyl-2-pentanone	μg/L	-	•	ND	ND		ND	ND	-	ND	ND	-	ND	ND
cis-1,3-Dichloropropene	μg/L	0.4		ND	ND	-	ND	ND	•	ND	ND	-	ND	ND
Toluene	μg/L	5.0	ND	ND	ND	ND	ND	ND	660	ND	ND	ND	2 J	ND
trans-1,3-Dichloropropene	μg/L	0.4		ND	ND _	-	ND	ND	-	ND	ND	-	ND	ND
1,1.2-Trichloroethane	μg/L	1.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2-Hexanone	μg/L	50.0	-	ND	ND	-	ND	ND		ND	ND	-	ND	ND
Tetrachloroethene	μg/L	5.0	ND	ND	ND	ND_	ND	ND	ND	10 J	ND	ND	ND	ND
Dibromochloromethane	μg/L	50.0	-	ND	ND_	-	ND	ND	-	ND	ND	-	ND	ND
Chlorobenzene	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Ethylbenzene	μg/L	5.0	ND	ND	ND	ND	ND	ND	690	ND	ND	ND	ND	ND
m,p-Xylene	μg/L	5.0	ND	ND	ND	5	ND	ND	660	ND	ND	6	ND	ND
o-Xylene	μg/L	5.0	ND	ND	ND	ND	ND	ND	440	ND	ND	ND	ND_	ND
Styrene	μg/L	5.0	ND	ND	ND_	ND	ND	ND	16	ND	ND	ND	ND	ND
Bromoform	μg/L	50.0	-	ND	ND	-	ND	ND	-	ND	ND	<u> </u>	ND	ND
1,1,2,2-Tetrachloroethane	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND

^{*}Criteria - NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998. Class GA.

X.

^{**} Dilution factor of 5 used

ND - Not detected for at or above reporting limit

J - Analyte detected below quantitation limits

TABLE 3
153 Fillmore Avenue Site
City of Tonawanda
Semi-Volatile Organic Analytical Test Results

Loca	tion ID		l -	MW-5			MW-6		l	MW-7			MW-8	
Year S	Sampled		2001	2007	2008	2001	2007	2008	2001	2007	2008	2001	2007	2008
Parameter	Units	Criteria*		•	•									
Phenol	μg/L	1.0	-	ND	ND	-	ND	ND		ND	ND	-	ND	ND
bis(2-chloroethyl) ether	μg/L	1.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2-Chlorophenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
1,3-Dichlorobenzene	μg/L	3.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
1,4-Dichlorobenzene	μg/L	3.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2-Methylphenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
N-Nitrosodi-n-propylamine	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	_	ND	ND
Hexachloroethane	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Nitrobenzene	μg/L	0.4	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Isophorone	μg/L	50.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2-Nitrophenol	μg/L	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	μg/L	50.0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-chloroethoxy) methane	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2,4-Dichlorophenol	μg/L	1.0	_	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
1,2,4-Trichlorobenzene	μg/L	-		ND	ND	-	ND	ND		ND	ND	-	ND	ND
Naphthalene	μg/L	10.0	59	ND	ND	ND	ND	ND	3,000	ND	ND	ND	ND	ND
4-Chloroaniline	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Hexachlorobutadiene	μg/L	0.5	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
4-Chloro-3-methylphenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2-Methylnaphthalene	μg/L	-	800	ND	ND	800	ND	ND	1,100	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND		ND	ND
2,4,6-Trichlorophenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2,4,5-Trichlorophenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2-Chloro-phthalene	μg/L_	10.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2-Nitroaniline	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Dimethyl phthalate	μg/L	50.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Acenaphthylene	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
2,6-Dinitrotoluene	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
3-Nitroaniline	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Acenaphthene	μg/L	20.0	65	ND	ND	120	ND	3 J	590	ND	ND	13	4 J	3 J
2,4-Dinitrophenol	μg/L	10.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
4-Nitrophenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Dibenzofuran	μg/L	50.0	ND	ND	ND	72	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	μg/L	5.0	-	ND	ND		ND	ND	-	ND	ND	-	ND	ND

TABLE 3
153 Fillmore Avenue Site
City of Tonawanda
Semi-Volatile Organic Analytical Test Results

Locatio	on ID			MW-5			MW-6	·		MW-7		MW-8		
Year Sa	mpled		2001	2007	2008	2001	2007	2008	2001	2007	2008	2001	2007	2008
Parameter	Units	Criteria*						•						
Diethyl phthalate	μg/L	50.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
4-Chlorophenyl phenyl ether	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Fluorene	μg/L	50.0	93	ND	ND	200	ND	ND	430	ND	ND	ND	ND	ND
4-Nitroaniline	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
4,6-Dinitro-2-methylphenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
N-Nitrosodiphenylamine	μg/L	50.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
4-Bromophenyl phenyl ether	μg/L		-	ND	ND		ND	ND	-	ND	ND	-	ND	ND
Hexachlorobenzene	μg/L	0.04	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Pentachlorophenol	μg/L	1.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Phenanthrene	μg/L	50.0	220	ND	ND	530	ND	ND	1,100	ND	ND	6	ND	ND
Anthracene	μg/L	50.0	ND	ND	ND	ND	ND	ND	350	ND	ND	ND	ND	ND
Carbazole	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Di-n-butyl phthalate	μg/L	50.0	-	ND	ND		ND	ND	-	ND	ND	-	ND	ND
Fluoranthene	μg/L	50.0	ND	ND	ND	ND	ND	ND	270	ND	ND	8	ND	ND
Pyrene	μg/L	50.0	ND	ND	ND	64	ND	ND	480	3 J	ND	9	ND	ND
Butyl benzyl phthalate	μg/L	50.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
3,3'-Dichlorobenzidine	μg/L	5.0	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Benz(a)anthracene	μg/L	0.002	ND	ND	ND	ND	ND	ND	150	1 J	ND	ND	ND	ND
Chrysene	μg/L	0.002	ND	ND	ND	ND	ND	ND	140	l J	ND	ND	ND	ND
bis(2-ethylhexyl) phthalate	μg/L	5.0	ND	4 J	7 J	ND	8 J	2 J	ND	ND	ND	85	ND	ND
Di-n-octyl phthalate	μg/L	50.0	-	75	ND	-	5 J	ND	-	ND	ND	-	ND	ND
Benzo(b)fluoranthene	μg/L	0.002	-	ND	ND	-	ND	ND	-	1 J	ND	-	ND	ND
Benzo(k)fluoranthene	μg/L	0.002	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Benzo(a)pyrene	μg/L	-	-	ND	ND	-	ND	ND	-	2 J	ND	-	ND	ND
Indeno(1,2,3-cd)pyrene	μg/L	0.002	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Dibenz(a,h)anthracene)	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
Benzo(g,h,i) perylene	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
(3+4)-Methylphenol	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND
bis(2-chloroisopropyl) ether	μg/L	-	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND

^{*}Criteria - NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998. Class GA.

ND - Not detected for at or above reporting limit

J - Analyte detected below quantitation limits

TABLE 4
153 Fillmore Avenue Site
City of Tonawanda
Pesticides & PCBs Analytical Test Results

Loca	ation ID		M	W-5	M	W-6	M	W-7	M	W-8
Year	Sampled		2001	2007	2001	2007	2001	2007	2001	2007
Parameter	Units	Criteria*								
4,4'-DDD	μg/L	0.3	-	ND	-	ND	-	ND	-	ND
4,4'-DDE	μg/L	0.2	-	ND	-	ND	-	ND	-	ND
4,4'-DDT	μg/L	0.2	-	ND	-	ND	_	ND	-	ND
Aldrin	μg/L	-	-	ND		ND	-	ND	-	ND
alpha-BHC	μg/L	-	-	ND	-	ND	-	ND	-	ND
alpha-Chlordane	μg/L	-	-	ND		ND		ND	~	ND
Aroclor 1016	μg/L	-	-	ND	-	ND	-	ND	-	ND
Aroclor 1221	μg/L	-	-	ND	-	ND	-	ND	-	ND
Aroclor 1232	μg/L	-	_	ND	-	ND	-	ND	_ =	ND
Aroclor 1248	μg/L	-	=	ND	-	ND	-	ND	-	ND
Aroclor 1254	μg/L	0.09	U	ND	U	ND	U	ND	U	ND
Aroclor 1260	μg/L	0.09	11	ND	U	ND	U	ND	U	ND
beta-BHC	μg/L	-	-	ND		ND		ND	-	ND
delta-BHC	μg/L	-	-	ND	-	ND	-	ND	-	ND
Dieldrin	μg/L	0.004	-	ND		ND	-	ND	-	ND
Endosulfan I	μg/L	-	-	ND		ND	-	ND	-	ND
Endosulfan II	μg/L	-	-	ND	<u>-</u>	ND	-	ND	-	ND
Endosulfan sulfate	μg/L	-		ND	-	ND	-	ND		ND
Endrin	μg/L	-		ND	-	ND	-	ND	~	ND
Endrin aldehyde	μg/L	5	-	ND	-	ND	-	ND		ND
Endrin ketone	μg/L	5	-	ND		ND	-	ND	-	ND
gamma-BHC	μg/L	-	-	ND	-	ND	-	ND	-	ND
gamma-Chlordane	μg/L	-	-	ND	-	ND	-	ND	-	ND
Heptachlor	μg/L	0.04	-	ND	-	ND	-	ND	-	ND
Heptachlor epoxide	μg/L	0.03	-	ND	-	ND		ND	<u>-</u>	ND
Methoxychlor	μg/L	35	-	ND	-	ND	-	ND	-	ND
Toxaphene	μg/L	0.06	-	ND	-	ND	-	ND	-	ND

^{*}Criteria - NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998. Class GA.

ND - Not detected for at or above reporting limit

J - Analyte detected below quantitation limits

TABLE 5
153 Fillmore Avenue Site
City of Tonawanda
Inorganic Metals Analytical Test Results

Lo	ocation ID			MW-5			MW-6			MW-7		MW-8			
Yea	ar Sampled		2001	2007	2008	2001	2007	2008	2001	2007	2008	2001	2007	2008	
Parameter	Units	Criteria*													
Aluminum	μg/L	2,000	-	1,440	5,740	-	148	1,630	-	3,390	22,700	-	ND	1,420	
Antimony	μg/L	6	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND	
Arsenic	μg/L	50	- 11	ND	ND	ND	ND	ND	6	ND	ND	14	ND	ND	
Barium	μg/L	2,000	2,390	160	666	1,660	234	242	163	76.2	173	880	172	175	
Beryllium	μg/L	3		ND	ND	-	ND	ND	-	ND	ND	-	ND	ND	
Cadmium	μg/L	10	22	ND	7	ND	ND	ND	ND	11.7	40.2	ND	ND	ND	
Calcium	μg/L	-	-	164,000	163,000	-	156,000	132,000	-	145,000	299,000	-	157,000	149,000	
Chromium	μg/L	50	ND	ND	13.9	22	ND	ND	ND	7.28	36.6	15	ND	ND	
Cobalt	μg/L	-	-	ND	ND	-	ND	ND	-	ND	30.0	-	ND	ND	
Copper	μg/L	1,000	-	20.8	45.9	-	ND	ND	-	106	293	-	10.4	15.0	
Iron	μg/L	600	-	2,880	12,400	-	7,270	10,700	-	11,200	38,000	-	3,230	4,640	
Lead	μg/L	50	580	64.5	231.00	84	ND	5.91	36	96.6	451	270	ND	15.4	
Magnesium	μg/L	35,000	•	31,700	38,500	-	27,900	24,300	-	38,100	60,500	-	28,700	27,100	
Manganese	μg/L	600	•	530	509	-	1,200	2,720	-	942	2,210	-	802	891	
Mercury	μg/L	0.7	ND	ND	ND	0.2	ND	ND	ND	ND	0.211	ND	ND	ND	
Nickel	μg/L	200		ND	ND	-	ND	ND	-	ND	112	-	ND	ND	
Potassium	μg/L	-		ND	4,270		2,190	3,190	-	12,500	15,000	-	1,780	4,060	
Selenium	μg/L	10	-	8.1	ND	-	13.5	ND	-	17.1	ND	-	9.46	ND	
Silver	μg/L	50	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND	
Sodium	μg/L	-	-	24,200	18,400	-	21,600	21,600	-	72,900	34,500	-	30,100	24,000	
Thallium	μg/L	0.5	-	ND	ND	-	ND	ND	-	ND	ND	-	ND	ND	
Vanadium	μg/L	-		ND	ND	-	ND	ND	-	ND	46.0	-	ND	ND	
Zinc	μg/L	5,000	1	1,690	2,310	-	63.2	47.6	-	2,540	21,000	-	189	630	

^{*}Criteria - NYSDEC TOGS (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998. Class GA.

€ : **€** 7 **±** 3 3

ND - Not detected for at or above reporting limit

J - Analyte detected below quantitation limits

TABLE 6
153 Fillmore Avenue Site
City of Tonawanda
Groundwater Monitoring Well Data

Location			MW-5			MW-6			MW-7			MW-8	
Year Sampled	units	2001	2007	2008	2001	2007	2008	2001	2007	2008	2001	2007	2008
Well Depth Top PVC	feet	15.5	15.5	15.5	17.3	17.3	17.3	23.5	23.5	23.5	17.5	17.5	17.5
Well Depth Elevation	feet	562.82	562.82	562.82	560.83	560.83	560.83	554.41	554.41	554.41	560.63	560.63	560.63
Depth to Static Water	feet	8.41	9.40	6.90	7.93	8.50	6.70	4.86	16.50	14.70	8.16	8.50	6.90
Height of Water	feet	7.09	6.10	8.60	9.37	8.80	10.60	18.64	7.00	8.80	9.34	9.00	10.60
Top PVC Elevation	feet	578.32	578.32	578.32	578.13	578.13	578.13	577.91	577.91	577.91	578.43	578.43	578.43
Static Water Level Elevation	feet	569.91	568.92	571.42	570.2	569.63	571.43	573.05	561.41	563.21	570.27	569.93	571.53
Well Casing Diameter	inch	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Water Volume	gallon	0.64	0.55	0.77	0.84	0.79	0.95	1.68	0.63	0.79	0.84	0.81	0.95
Water Purged	feet	1.91	1.65	1.00	2.53	2.38	2.86	5.03	1.89	1.50	2.52	2.43	3.00
Purging Method		-	Peristalic Pump	Peristalic Pump									

APPENDICES



APPENDIX A

Groundwater Field Sampling Logs



STEARNS & WHELER, LLC GROUNDWATER FIELD SAMPLING RECORD

SITE	153 Fi	llmore Ave			_		DATE	08/27/08		
Samplers:	Brian 1	Doyle			-		SAMPLE ID	MW-05		
		Depth of well (Initial static wa		_		15.5				
Evacuation	n Metho	od:					Well Volum	e Calculation		
Perista	altic	X	Centrifugal		-	1 in. casing:	8.	6 ft. of water x .09 =	0.	77 gallons
Airlift	t		Pos. Displ.		_	2 in. casing:		_ ft. of water x .16 =		gallons
Bailer	r	>>	> No. of bails		-	3 in. casing:		ft. of water x .36 =		gallons
Volum	ne of wat	er removed	2.32	gals.		Removed	1.00	_ gals.		
		> 3 volumes:	yes	no						
		dry:	yes	no						
Field Test	es:	Temp: pH Conductivity DO% Turbidity Oxidation Redu	uction Potential	(ORP)		mS/cm % NTUs				
Sampling:								Time:1	1:15 AM	
Sampling Mo	ethod:	Peristaltic Pump Disposable Baile Disposable Tubir		X	- - -					
Observation	ons:									
	Weathe	er/Temperature:	Clear, 75° I	7						
	Physica	al Appearance an	d Odor of Samp	ole:	No odor	, clear				
Comments	s:	Well purged t	o dry. Equipr	ment error i	reported d	issolved oxy	ygen %.			

STEARNS & WHELER, LLC GROUNDWATER FIELD SAMPLING RECORD

SITE <u>153 F</u>	illmore Ave		DATE	08/27/08
Samplers: Brian	Doyle	_	SAMPLE ID	MW-06; Field Duplicate
	Depth of well (from top of casing) Initial static water level (from top of casi			- -
Evacuation Meth	nod:		Well Volume	Calculation
Peristaltic	X Centrifugal	l in. casing:	10.6	ft. of water x $.09 = 0.95$ 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
Volume of wa	ter removed 2.86 gals. > 3 volumes: yes no dry: yes no	Removed	2.80	gals.
Field Tests:	Temp: pH Conductivity DO% Turbidity Oxidation Reduction Potential (ORP)	15.2 C 6.78 0.89 mS/cm - % 17.8 NTUs -98.0 mV		
Sampling:				Time: 10:15 AM
Sampling Method:	Peristaltic Pump X Disposable Bailer Disposable Tubing X			
Observations:				
Weath	er/Temperature: Clear, 75° F			
Physic	cal Appearance and Odor of Sample:	Oil residue during in	itial purging a	nd sampling. Slight odor.
Comments:	Equipment error reported dissolved of	oxygen %.		

STEARNS & WHELER, LLC GROUNDWATER FIELD SAMPLING RECORD

SITE	153 Fillmore Ave	DATE 08/27/08
Samplers:	Brian Doyle	SAMPLE ID MW-07
-	Depth of well (from top of casing) Initial static water level (from top of casing)	
Evacuation	Method:	Well Volume Calculation
Peristal	ltic X Centrifugal	1 in. casing: 8.8 ft. of water x .09 = 0.79 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
Volum	e of water removedgals.	Removed gals.
	> 3 volumes: yes no dry: yes no	
Field Tests	Temp: pH Conductivity DO% Turbidity Oxidation Reduction Potential (ORP)	16.9 C 6.37 1.29 mS/cm - % 4.45 NTUs 88.0 mV
Sampling:		Time: 12:15 PM
Sampling Med	thod: Peristaltic Pump X Disposable Bailer Disposable Tubing X	
Observation	ns:	
	Weather/Temperature: Clear, 75° F	
	Physical Appearance and Odor of Sample:	Clear during initial purging. Slight odor.
Comments	: Well purged to dry. Equipment error rep	oorted dissolved oxygen %.

STEARNS & WHELER, LLC GROUNDWATER FIELD SAMPLING RECORD

SITE	153 Fillmore Ave				DATE	08/27/08			
Samplers:	Brian Doyle				SAMPLE ID	MW-08			
		(from top of case				• •			
Evacuation	n Method:				Well Volume	Calculation			
Perista	altic X	Centrifugal		1 in. casing:	10.6	ft. of water x .09 =		0.95 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	
Volum	> 3 volumes: dry:	2.86 yes yes	gals. no	Removed	3.00	gals.			
Field Tests	pH Conductivity DO% Turbidity	luction Potential	- - - - (ORP)	14.0 C 6.76 0.93 mS/cm - % 26.00 NTUs -125.0 mV					
Sampling:						Time:	9:30 AM		
Sampling Me	Peristaltic Pump Disposable Bail Disposable Tubi	er .	X X						
Observation	ons:								
	Weather/Temperature:	Clear, 70° F	7						
	Physical Appearance as	nd Odor of Samp	ole: <u>t</u>	turbid initally, greisl	ı black. No oc	lor.			
Comments	: Equipment e	rror reported di	issolved oxy	gen %.					

APPENDIX B

Data Usability Summary Report



Data Usability Summary Report

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

153 Fillmore Ave.
Tonawanda, NY
Upstate Laboratories, Inc. #U0808504
November 11, 2008

Prepared by

Jodi Zimmerman, B.S. Owner 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 & Wheler, LLC, 153 Fillmore Ave., Tonawanda, NY, Upstate Laboratories, Inc. ID U0808504, submitted to Vali-Data of WNY, LLC on October 20, 2008. The laboratory performed the analyses using USEPA methods, 8260 (VOCs), 8270 (SVOCs) and 200.7(Inorganics), reorganized by NYSDEC in the Analytical Services Protocol.

VOLATILE ORGANICS

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/Preservation
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Tuning

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

Overall the data are acceptable for use except sample U0809504-003a, the MS and MSD as discussed in Holding Time/Preservation.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN-OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES/PRESERVATION

All holding times for the samples were met. Sample U0808504-003a was preserved to pH 3, no target analytes were found, thus all ketone and aromatic quantitation limits should be qualified with R and the halogenated compounds quantitation limits should be qualified with UJ. The pH of the MS and MSD was not recorded, thus spiked analytes should be qualified with a J. All other analytes in the MS/MSD should be qualified using the same criteria as sample U0808504-003a.

INTERNAL STANDARD (IS)

The IS did meet criteria for all samples

SURROGATE SPIKE RECOVERIES

Surrogate (BFB) recoveries were monitored and kept at \pm 20%.

METHOD BLANK

All the criteria were met for the method blanks

HOLDING BLANK

All the criteria were met for the holding blank.

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met for the field duplicate.

LABORATORY CONTROL SAMPLES

All criteria were met for all analytes tested.

MS/MSD

All criteria were met except the preservation discussed above.

COMPOUND QUANTITATION

All criteria were.

INITIAL CALIBRATION

All criteria were met (\leq 30%).

CONTINUING CALIBRATION

All criteria were met (\leq 30%) for the target analytes. All analytes that fell out of range for %D were not part of the matrix or not found in the samples.

GC/MS TUNING

All criteria were met.

SEMI-VOLATILE ORGANICS

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
- Holding Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Tuning

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

Overall the data are acceptable for use except for several compounds identified under Internal Standard below.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN-OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times for the samples were met.

INTERNAL STANDARD (IS)

The IS did meet criteria for all samples except IS6 (Perylene-d12), which was out of range for samples

U0808504-004 and SVBLK01. The following compounds should be qualified as R in the above samples: Di-n-octyl phthalate, Benzo (b) fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Indeno (1,2,3-cd) pyrene, Dibenz (a,h) anthracene and Benzo (ghi) perylene.

SURROGATE SPIKE RECOVERIES

Surrogate recoveries were monitored and kept within QC limits (see attached corrected version of 'Water Semi-volatile surrogate recovery'.

METHOD BLANK

All the criteria were met for the method blanks except bis (2ethylhexyl) phthalate was found in both blanks. Bis (2ethylhexyl) phthalate is qualified as JB in the samples.

HOLDING BLANK

Analysis not requested for this sample.

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met for the field duplicate except several TIC identifications were not consistent.

LABORATORY CONTROL SAMPLES

All criteria were met for all analytes tested except 4-Chloro-3-methylphenol, 4-Nitrophenol and 2,4-Dinitrotoluene, which were at or above the QC Limits % Rec. All would be considered biased high, however, none of those analytes were found in the samples.

MS/MSD

All criteria were met except Di-n-butyl phthalate was found in the MS/MSD, but was not found in any sample. And 4-Nitrophenol %Rec was out of range. This analyte would be biased high but was not found in any sample

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except %RSD for 2,4 Dinitrophenol and Pentachlorophenol were out of range. Neither was found in the samples.

CONTINUING CALIBRATION

All criteria were met for the target analytes except the following fell out of range for %D: 4-Nitrophenol, 4-Nitroaniline, 2,4-Dinitrophenol, Pentachlorophenol, Carbazole, Fluoranthene, Indeno (1,2,3,cd)pyrene, Dibenz (a,h)anthracene, Benzo(ghi)perylene and 2,4,6-Tribromophenol. All analytes that fell out of range for %D were not part of the matrix or not found in the samples.

GC/MS TUNING

All criteria were met.

TAL 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/Preservation
- Method Blank
- Laboratory Control Samples
- MS/MSD
- 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

Due to the possible lack of preservation, all other qualifiers should be null and the qualifiers indicated under Holding Times/Preservation should take precedence.

DATA COMPLETENESS

All criteria were met.

NARATIVE AND DATA REPORTING FORMS

All criteria were met except the inclusion of a preservation log.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES/PRESERVATION

No preservation was recorded. Thus, all analytes \geq MDL should be estimated low (J-) and non-detects should be qualified as R.

METHOD BLANK

All criteria were met except Selenium was above the CRDL in the ICB, CCB1 and MB-15196 for sequence R37384. Selenium was a ND in all associated samples.

LABORATORY CONTROL SAMPLE

All criteria were met except Arsenic %R was out of range.

MATRIX SPIKE

All criteria were met except Arsenic and Iron %R was out of range.

COMPOUND QUANITATION

All criteria were met.

CALIBRATION

All criteria were met except the following:

- Selenium falls above the acceptance levels for the initial and final CRDL standard recoveries.
- Thallium falls above the acceptance level for the initial CRDL standard recovery.
- Silver falls slightly below control limits for the Continuing Calibration, not flagged;
- Mercury falls below control limits for the Continuing Calibration; and
- Arsenic falls above the control limits for the Continuing Calibration.

APPENDIX C

Laboratory Analytical Results



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) 724-0478 * Buffalo (716) 972-0371 Rochester (866) 437-0255 * New Jersey (908) 247-4313

Mr. David Rowlinson Stearns & Wheler, LLC 415 N. French Rd. Amherst, NY 14228

Friday, October 10, 2008

Order No.: U0808504

RE: Analytical Report:

153 Fillmore Ave

Dear Mr. David Rowlinson:

Upstate Laboratories, Inc. received 6 sample(s) on 8/28/2008 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. 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 President/CEO

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

NY Lab ID 10170 NJ Lab ID NY750 PA Lab ID 68375

Analytical Report

Stearns & Wheler, LLC

Date: 10-Oct-08

CLIENT:

Client Sample ID: MW-5

Lab Order:

U0808504

Collection Date: 8/27/2008 11:15:00 AM

Project:

153 Fillmore Ave

Lab ID: U0808504-001 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ICP METALS, TOTAL ASP			E200.7	(E200.7)	Analyst: LJ
Aluminum	5740	100	μg/L	1	10/9/2008 5:49:42 PM
Antimony	ND	15.0	μg/L	1	10/9/2008 5:49:42 PM
Arsenic	ND	10.0	μg/L	1	10/9/2008 6:06:46 PM
Barium	666	50.0	µg/L	1	10/9/2008 5:49:42 PM
Beryllium	ND	3.00	µg/L	1	10/9/2008 5:49:42 PM
Cadmium	7.30	5.00	µg/L	1	10/9/2008 5:49:42 PM
Calcium	163000	1000	μg/L	1	10/9/2008 5:49:42 PM
Chromium	13.9	5.00	µg/L	1	10/9/2008 5:49:42 PM
Cobalt	ND	20.0	μg/L	1	10/9/2008 5:49:42 PM
Copper	45.9	10.0	μg/L	1	10/9/2008 5:49:42 PM
Iron	12400	60.0	μg/L	1	10/9/2008 5:49:42 PM
Lead	231	3.00	μg/L	1	10/9/2008 5:49:42 PM
Magnesium	38500	1000	μg/L	1	10/9/2008 5:49:42 PM
Manganese	509	10.0	μg/L	1	10/9/2008 5:49:42 PM
Nickel	ND	30.0	μg/L	1	10/9/2008 5:49:42 PM
Potassium	4270	1000	μg/L	1	10/9/2008 5:49:42 PM
Selenium	ND	5.00	μg/L	1	10/9/2008 5:49:42 PM
Silver	ND	10.0	μg/L	1	10/9/2008 5:49:42 PM
Sodium	18400	1000	µg/L	1	10/9/2008 5:49:42 PM
Thallium	ND	10.0	μg/L	1	10/9/2008 5:49:42 PM
Vanadium	ND	30.0	μg/L	1	10/9/2008 5:49:42 PM
Zinc	2310	10.0	μg/L	1	10/9/2008 5:49:42 PM
OTAL MERCURY WATERS ASP			E245.2	(E245.2)	Analyst: LJ
Mercury	ND	0.200	µg/L	1	9/12/2008 11:29:36 AM
CL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Phenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Bis(2-chloroethyl)ether	ND	20	µg/L	1	9/26/2008 4:07:00 PM
2-Chlorophenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
1,3-Dichlorobenzene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
1,4-Dichlorobenzene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
1,2-Dichlorobenzene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2-Methylphenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
N-Nitrosodi-n-propylamine	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Hexachloroethane	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Nitrobenzene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Isophorone	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2-Nitrophenol	ND	20	µg/L	1	9/26/2008 4:07:00 PM
2,4-Dimethylphenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM

Approved By:

1115

Date:

10 10 0%

Page 1 of 21

Qualifiers:

- Low Level
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- Value exceeds Maximum Contaminant Value
- Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC Client Sample ID: MW-5

Lab Order:

U0808504

Collection Date: 8/27/2008 11:15:00 AM

Date: 10-Oct-08

Project: Lab ID:

153 Fillmore Ave U0808504-001

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
CL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Bis(2-chloroethoxy)methane	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2,4-Dichlorophenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
1,2,4-Trichlorobenzene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Naphthalene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
4-Chloroaniline	ND	20	µg/L	1	9/26/2008 4:07:00 PM
Hexachlorobutadiene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
4-Chloro-3-methylphenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2-Methylnaphthalene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Hexachlorocyclopentadiene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2,4,6-Trichlorophenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2,4,5-Trichlorophenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2-Chloronaphthalene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2-Nitroaniline	ND	48	μg/L	1	9/26/2008 4:07:00 PM
Dimethyl phthalate	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Acenaphthylene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2,6-Dinitrotoluene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
3-Nitroaniline	ND	48	μg/L	1	9/26/2008 4:07:00 PM
Acenaphthene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2,4-Dinitrophenol	ND	48	µg/L	1	9/26/2008 4:07:00 PM
4-Nitrophenol	ND	48	μg/L	1	9/26/2008 4:07:00 PM
Dibenzofuran	ND	20	μg/L	1	9/26/2008 4:07:00 PM
2,4-Dinitrotoluene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Diethyl phthalate	ND	20	μg/L	1	9/26/2008 4:07:00 PM
4-Chlorophenyl phenyl ether	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Fluorene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
4-Nitroaniline	ND	48	μg/L	1	9/26/2008 4:07:00 PM
4,6-Dinitro-2-methylphenol	ND	48	μg/L	1	9/26/2008 4:07:00 PM
N-Nitrosodiphenylamine	ND	20	μg/L	1	9/26/2008 4:07:00 PM
4-Bromophenyl phenyl ether	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Hexachlorobenzene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Pentachlorophenol	ND	48	μg/L	1	9/26/2008 4:07:00 PM
Phenanthrene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Anthracene	ND	20	µg/L	1	9/26/2008 4:07:00 PM
Carbazole	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Di-n-butyl phthalate	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Fluoranthene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Pyrene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Butyl benzyl phthalate	ND	20	μg/L	1	9/26/2008 4:07:00 PM
3,3'-Dichlorobenzidine	ND	20	μg/L	1	9/26/2008 4:07:00 PM

Approved By:

Qualifiers:

Low Level

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Date: 10 10 TO Page 2 of 21

- Value exceeds Maximum Contaminant Value
- Е Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC Client Sample ID: MW-5

Lab Order:

U0808504

Project:

153 Fillmore Ave

Collection Date: 8/27/2008 11:15:00 AM

Lab ID:

U0808504-001

Matrix: WATER

Spike Recovery outside accepted recovery limits

Date: 10-Oct-08

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Benz(a)anthracene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Chrysene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Bis(2-ethylhexyl)phthalate	7	20	J μg/L	1	9/26/2008 4:07:00 PM
Di-n-octyl phthalate	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Benzo(b)fluoranthene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Benzo(k)fluoranthene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Benzo(a)pyrene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Indeno(1,2,3-cd)pyrene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Dibenz(a,h)anthracene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Benzo(g,h,i)perylene	ND	20	μg/L	1	9/26/2008 4:07:00 PM
(3+4)-Methylphenol	ND	20	μg/L	1	9/26/2008 4:07:00 PM
Bis(2-chloroisopropyl)ether	ND	20	μg/L	1	9/26/2008 4:07:00 PM
TIC: Dodecane, 2,5-dimethyl-	40	0	µg/L	1	9/26/2008 4:07:00 PM
TIC: Hexatriacontane	9.1	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: Pentadecane, 2,6,10,14-tetramethyl-	45	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: Pentadecane, 2,6,10-trimethyl-	32	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: Pentadecane, 7-methyl-	41	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: Tridecane, 4,8-dimethyl-	17	0	µg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (13.13)	17	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (13.16)	27	0	µg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (13.23)	44	0	µg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (14.34)	7.9	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (14.47)	8.8	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (14.72)	18	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (15.3)	17	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (15.39)	12	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (15.5)	30	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (15.74)	8.2	0	µg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (15.9)	17	0	µg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (16.42)	8.9	0	µg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (19.89)	8.4	0	μg/L	1	9/26/2008 4:07:00 PM
TIC: unknown (20.41)	11	0	μg/L	1	9/26/2008 4:07:00 PM
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LE
Chloromethane	ND	5.0	µg/L	1	9/4/2008 4:57:00 PM
Vinyl chloride	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Bromomethane	ND	5.0	µg/L	1	9/4/2008 4:57:00 PM
Chloroethane	ND	5.0	µg/L	1	9/4/2008 4:57:00 PM

Approved By	:	PMI	Date:	10 00 07 Page 3 of 21
Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	В	Analyte detected in the associated Method Blank	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit

Analytical Report

Stearns & Wheler, LLC

Lab Order: Project: Lab ID:

CLIENT:

U0808504

153 Fillmore Ave

U0808504-001

Date: 10-Oct-08

Client Sample ID: MW-5

Collection Date: 8/27/2008 11:15:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LEF
Acetone	ND	10	μg/L	1	9/4/2008 4:57:00 PM
1,1-Dichloroethene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Carbon disulfide	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Methylene chloride	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
1,1-Dichloroethane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
2-Butanone	ND	10	μg/L	1	9/4/2008 4:57:00 PM
cis-1,2-Dichloroethene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Chloroform	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Carbon tetrachloride	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Benzene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
1,2-Dichloroethane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Trichloroethene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
1,2-Dichloropropane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Bromodichloromethane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
4-Methyl-2-pentanone	ND	10	μg/L	1	9/4/2008 4:57:00 PM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Toluene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
1,1,2-Trichloroethane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
2-Hexanone	ND	10	μg/L	1	9/4/2008 4:57:00 PM
Tetrachloroethene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Dibromochloromethane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Chlorobenzene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Ethylbenzene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
m,p-Xylene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
o-Xylene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Styrene	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
Bromoform	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
1,1,2,2-Tetrachloroethane	ND	5.0	μg/L	1	9/4/2008 4:57:00 PM
TIC: Indan, 1-methyl-	5.4	0	μg/L	1	9/4/2008 4:57:00 PM
TIC: Indane	8.3	0	μg/L	1	9/4/2008 4:57:00 PM
TIC: unknown (27.61)	10	0	μg/L	1	9/4/2008 4:57:00 PM
TIC: unknown (28.46)	5.3	0	μg/L	1	9/4/2008 4:57:00 PM

_							~
Approved By:	PMI	 	Date:	10	10. 47.	Page	e 4 of 21

Qualifiers:

- Low Level
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit

- Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

Stearns & Wheler, LLC

Client Sample ID: MW-6

CLIENT: Lab Order:

U0808504

Project:

153 Fillmore Ave

Collection Date: 8/27/2008 10:15:00 AM

Lab ID:

U0808504-002

Matrix: WATER

Date: 10-Oct-08

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ICP METALS, TOTAL ASP			E200.7	(E200.7)	Analyst: LJ
Aluminum	1630	100	μg/L	1	10/9/2008 6:00:31 PM
Antimony	ND	15.0	μg/L	1	10/9/2008 6:00:31 PM
Arsenic	ND	10.0	μg/L	1	10/9/2008 6:21:54 PM
Barium	242	50.0	μg/L	1	10/9/2008 6:00:31 PM
Beryllium	ND	3.00	μg/L	1	10/9/2008 6:00:31 PM
Cadmium	ND	5.00	μg/L	1	10/9/2008 6:00:31 PM
Calcium	132000	1000	μg/L	1	10/9/2008 6:00:31 PM
Chromium	ND	5.00	μg/L	1	10/9/2008 6:00:31 PM
Cobalt	ND	20.0	μg/L	1	10/9/2008 6:00:31 PM
Copper	ND	10.0	μg/L	1	10/9/2008 6:00:31 PM
Iron	10700	60.0	μg/L	1	10/9/2008 6:00:31 PM
Lead	5.91	3.00	μg/L	1	10/9/2008 6:00:31 PM
Magnesium	24300	1000	μg/L	1	10/9/2008 6:00:31 PM
Manganese	2720	10.0	μg/L	1	10/9/2008 6:00:31 PM
Nickel	ND	30.0	μg/L	1	10/9/2008 6:00:31 PM
Potassium	3190	1000	μg/L	1	10/9/2008 6:00:31 PM
Selenium	ND	5.00	μg/L	1	10/9/2008 6:00:31 PM
Silver	ND	10.0	μg/L	1	10/9/2008 6:00:31 PM
Sodium	21600	1000	μg/L	1	10/9/2008 6:00:31 PM
Thallium	ND	10.0	μg/L	1	10/9/2008 6:00:31 PM
Vanadium	ND	30.0	μg/L	1	10/9/2008 6:00:31 PM
Zinc	47.6	10.0	μg/L	1	10/9/2008 6:00:31 PM
OTAL MERCURY WATERS ASP			E245.2	(E245.2)	Analyst: LJ
Mercury	ND	0.200	μg/L	1	9/12/2008 11:36:01 AM
CL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Phenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Bis(2-chloroethyl)ether	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2-Chlorophenol	ND	10	µg/L	1	9/26/2008 5:39:00 PM
1,3-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
1,4-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
1,2-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2-Methylphenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
N-Nitrosodi-n-propylamine	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Hexachloroethane	ND	10	µg/L	1	9/26/2008 5:39:00 PM
Nitrobenzene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Isophorone	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2-Nitrophenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2,4-Dimethylphenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM

Approved By:

Date:

Page 5 of 21

- Qualifiers:
- Low Level
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit

- Value exceeds Maximum Contaminant Value
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

Stearns & Wheler, LLC

Client Sample ID: MW-6

CLIENT: Lab Order:

U0808504

Project:

153 Fillmore Ave

Collection Date: 8/27/2008 10:15:00 AM

Date: 10-Oct-08

Lab ID:

U0808504-002

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Bis(2-chloroethoxy)methane	ND	10	µg/L	1 1	9/26/2008 5:39:00 PM
2,4-Dichlorophenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
1,2,4-Trichlorobenzene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Naphthalene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
4-Chloroaniline	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Hexachlorobutadiene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
4-Chloro-3-methylphenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2-Methylnaphthalene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Hexachlorocyclopentadiene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2,4,6-Trichlorophenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2,4,5-Trichlorophenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2-Chloronaphthalene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2-Nitroaniline	ND	24	μg/L	1	9/26/2008 5:39:00 PM
Dimethyl phthalate	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Acenaphthylene	ND	10	µg/L	1	9/26/2008 5:39:00 PM
2,6-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
3-Nitroaniline	ND	24	μg/L	1	9/26/2008 5:39:00 PM
Acenaphthene	3	10	J μg/L	1	9/26/2008 5:39:00 PM
2,4-Dinitrophenol	ND	24	μg/L	1	9/26/2008 5:39:00 PM
4-Nitrophenol	ND	24	μg/L	1	9/26/2008 5:39:00 PM
Dibenzofuran	ND	10	μg/L	1	9/26/2008 5:39:00 PM
2,4-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Diethyl phthalate	ND	10	μg/L	1	9/26/2008 5:39:00 PM
4-Chlorophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Fluorene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
4-Nitroaniline	ND	24	μg/L	1	9/26/2008 5:39:00 PM
4,6-Dinitro-2-methylphenol	ND	24	μg/L	1	9/26/2008 5:39:00 PM
N-Nitrosodiphenylamine	ND	10	μg/L	1	9/26/2008 5:39:00 PM
4-Bromophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Hexachlorobenzene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Pentachlorophenol	ND	24	μg/L	1	9/26/2008 5:39:00 PM
Phenanthrene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Anthracene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Carbazole	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Di-n-butyl phthalate	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Fluoranthene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Pyrene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Butyl benzyl phthalate	ND	10	μg/L	1	9/26/2008 5:39:00 PM
3,3´-Dichlorobenzidine	ND	10	μg/L	1	9/26/2008 5:39:00 PM

Approved By:

Qualifiers: Low Level

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Date:

Page 6 of 21

Value exceeds Maximum Contaminant Value

Е Value above quantitation range

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC Client Sample ID: MW-6

Lab Order:

U0808504

Project:

Collection Date: 8/27/2008 10:15:00 AM

Lab ID:

153 Fillmore Ave U0808504-002

Matrix: WATER

Date: 10-Oct-08

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Benz(a)anthracene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Chrysene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Bis(2-ethylhexyl)phthalate	2	10	J μg/L	1	9/26/2008 5:39:00 PM
Di-n-octyl phthalate	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Benzo(b)fluoranthene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Benzo(k)fluoranthene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Benzo(a)pyrene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Indeno(1,2,3-cd)pyrene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Dibenz(a,h)anthracene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Benzo(g,h,i)perylene	ND	10	μg/L	1	9/26/2008 5:39:00 PM
(3+4)-Methylphenol	ND	10	μg/L	1	9/26/2008 5:39:00 PM
Bis(2-chloroisopropyl)ether	ND	10	μg/L	1	9/26/2008 5:39:00 PM
TIC: 3-Methyl-4- (methoxycarbonyl)hexa-2,4-die	15	0	µg/L	1	9/26/2008 5:39:00 PM
TIC: Hexadecane	8.3	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: Naphthalene, 1,3-dimethyl-	4.7	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: Naphthalene, 1,4,6-trimethyl-	5.7	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: Naphthalene, 1,6,7-trimethyl-	4.7	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: Naphthalene, 2,3,6-trimethyl-	15	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: Naphthalene, 2,3-dimethyl-	4.9	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: Naphthalene, 2-(1-methylethyl)-	5.2	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: Phenanthrene, 2,3,5-trimethyl-	5.4	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (13.05)	20	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (13.15)	47	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (13.23)	26	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (13.94)	7.6	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (14.71)	5.7	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (16)	12	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (16.43)	7.2	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (16.61)	5.3	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (16.75)	18	0	μg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (16.95)	5.4	0	µg/L	1	9/26/2008 5:39:00 PM
TIC: unknown (17.37)	5.8	0	µg/L	1	9/26/2008 5:39:00 PM
SP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LEF
Chloromethane	ND	50	μg/L	10	9/4/2008 4:15:00 AM
Vinyl chloride	99	50	µg/L	10	9/4/2008 4:15:00 AM
Bromomethane	ND	50	μg/L	10	9/4/2008 4:15:00 AM
Chloroethane	ND	50	μg/L	10	9/4/2008 4:15:00 AM

Post

TO 10 (7)

- Qualifiers:
- Low Level
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

- Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

Stearns & Wheler, LLC

Date: 10-Oct-08

CLIENT:

Client Sample ID: MW-6

Lab Order:

U0808504

Collection Date: 8/27/2008 10:15:00 AM

Project:

153 Fillmore Ave

Lab ID:

U0808504-002

Matrix: WATER

Analyses	Result	Limit	Qual U	Jnits	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8	260B		Analyst: LEF
Acetone	ND	100	μ	g/L	10	9/4/2008 4:15:00 AM
1,1-Dichloroethene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Carbon disulfide	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Methylene chloride	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
trans-1,2-Dichloroethene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
1,1-Dichloroethane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
2-Butanone	ND	100	μ	g/L	10	9/4/2008 4:15:00 AM
cis-1,2-Dichloroethene	240	50	μ	g/L	10	9/4/2008 4:15:00 AM
Chloroform	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
1,1,1-Trichloroethane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Carbon tetrachloride	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Benzene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
1.2-Dichloroethane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Trichloroethene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
1,2-Dichloropropane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Bromodichloromethane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
4-Methyl-2-pentanone	ND	100	μ	g/L	10	9/4/2008 4:15:00 AM
cis-1,3-Dichloropropene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Toluene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
trans-1,3-Dichloropropene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
1,1,2-Trichloroethane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
2-Hexanone	ND	100	μ	g/L	10	9/4/2008 4:15:00 AM
Tetrachloroethene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Dibromochloromethane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Chlorobenzene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Ethylbenzene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
m,p-Xylene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
o-Xylene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Styrene	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
Bromoform	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
1,1,2,2-Tetrachloroethane	ND	50	μ	g/L	10	9/4/2008 4:15:00 AM
NOTES:						

NOTES:

Qualifiers:

The reporting limits were raised due to the high concentration of target compounds.

TICS: No compounds were detected.

Approved	By:	17414

Low Level

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Date:		$\tilde{\gamma}_{i}\tilde{\mathcal{A}}^{T}$
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** Value exceeds Maximum Contaminant Value

Value above quantitation range

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Analytical Report

Stearns & Wheler, LLC

CLIENT:

Client Sample ID: MW-7

Lab Order:

U0808504

Collection Date: 8/27/2008 12:15:00 PM

Date: 10-Oct-08

Project:

153 Fillmore Ave

Lab ID:

U0808504-003

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ICP METALS, TOTAL ASP			E200.7	(E200.7)	Analyst: LJ
Aluminum	22700	100	μg/L	1	10/9/2008 6:04:23 PM
Antimony	ND	15.0	μg/L	1	10/9/2008 6:04:23 PM
Arsenic	ND	10.0	μg/L	1	10/9/2008 6:27:26 PM
Barium	173	50.0	μg/L	1	10/9/2008 6:04:23 PM
Beryllium	ND	3.00	μg/L	1	10/9/2008 6:04:23 PM
Cadmium	40.2	5.00	μg/L	1	10/9/2008 6:04:23 PM
Calcium	299000	1000	μg/L	1	10/9/2008 6:04:23 PM
Chromium	36.6	5.00	μg/L	1	10/9/2008 6:04:23 PM
Cobalt	30.0	20.0	μg/L	1	10/9/2008 6:04:23 PM
Copper	293	10.0	μg/L	1	10/9/2008 6:04:23 PM
Iron	38000	60.0	μg/L	1	10/9/2008 6:04:23 PM
Lead	451	3.00	μg/L	1	10/9/2008 6:04:23 PM
Magnesium	60500	1000	µg/L	1	10/9/2008 6:04:23 PM
Manganese	2210	10.0	μg/L	1	10/9/2008 6:04:23 PM
Nickel	112	30.0	μg/L	1	10/9/2008 6:04:23 PM
Potassium	15000	1000	μg/L	1	10/9/2008 6:04:23 PM
Selenium	ND	5.00	µg/L	1	10/9/2008 6:04 ²³ PM
Silver	ND	10.0	μg/L	1	10/9/2008 6:04:23 PM
Sodium	34500	1000	μg/L	1	10/9/2008 6:04:23 PM
Thallium	ND	10.0	μg/L	1	10/9/2008 6:27:26 PM
Vanadium	46.0	30.0	μg/L	1	10/9/2008 6:04:23 PM
Zinc	21000	10.0	μg/L	1	10/9/2008 6:04:23 PM
TOTAL MERCURY WATERS ASP			E245.2	(E245.2)	Analyst: LJ
Mercury	0.211	0.200	μg/L	1	9/12/2008 12:42:53 PM
TCL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Phenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Bis(2-chloroethyl)ether	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2-Chlorophenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
1,3-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
1,4-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
1,2-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2-Methylphenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
N-Nitrosodi-n-propylamine	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Hexachloroethane	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Nitrobenzene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Isophorone	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2-Nitrophenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2,4-Dimethylphenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM

Approved By:

Qualifiers:

Low Level

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Date: 10 10 CE Page 9 of 21

- Value exceeds Maximum Contaminant Value
- Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC

Lab Order: U0808504

Project: 153 Fillmore Ave

Lab ID: U0808504-003 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Bis(2-chloroethoxy)methane	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2,4-Dichlorophenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
1,2,4-Trichlorobenzene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Naphthalene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
4-Chloroaniline	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Hexachlorobutadiene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
4-Chloro-3-methylphenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2-Methylnaphthalene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Hexachlorocyclopentadiene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2,4,6-Trichlorophenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2,4,5-Trichlorophenol	ND	10	µg/L	1	9/26/2008 6:24:00 PM
2-Chloronaphthalene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2-Nitroaniline	ND	24	μg/L	1	9/26/2008 6:24:00 PM
Dimethyl phthalate	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Acenaphthylene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2.6-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
3-Nitroaniline	ND	24	μg/L	1	9/26/2008 6:24:00 PM
Acenaphthene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2,4-Dinitrophenol	ND	24	μg/L	1	9/26/2008 6:24:00 PM
4-Nitrophenol	ND	24	μg/L	1	9/26/2008 6:24:00 PM
Dibenzofuran	ND	10	μg/L	1	9/26/2008 6:24:00 PM
2.4-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Diethyl phthalate	ND	10	μg/L	1	9/26/2008 6:24:00 PM
4-Chlorophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Fluorene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
4-Nitroaniline	ND	24	μg/L	1	9/26/2008 6:24:00 PM
4,6-Dinitro-2-methylphenol	ND	24	μg/L	1	9/26/2008 6:24:00 PM
N-Nitrosodiphenylamine	ND	10	μg/L	1	9/26/2008 6:24:00 PM
4-Bromophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Hexachlorobenzene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Pentachlorophenol	ND	24	μg/L	1	9/26/2008 6:24:00 PM
Phenanthrene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Anthracene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Carbazole	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Di-n-butyl phthalate	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Fluoranthene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Pyrene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Butyl benzyl phthalate	ND	10	μg/L	1	9/26/2008 6:24:00 PM
3,3 -Dichlorobenzidine	ND	10	μg/L	1	9/26/2008 6:24:00 PM

Approved By: PMIA

Qualifiers: * 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

Date: 10 10 T

Page 10 of 21

** Value exceeds Maximum Contaminant Value

Date: 10-Oct-08

Collection Date: 8/27/2008 12:15:00 PM

Client Sample ID: MW-7

Value above quantitation range

Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Analytical Report

Stearns & Wheler, LLC

Date: 10-Oct-08

CLIENT:

Client Sample ID: MW-7

Lab Order:

U0808504

Collection Date: 8/27/2008 12:15:00 PM

Project:

153 Fillmore Ave

Lab ID: U0808504-003 Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Benz(a)anthracene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Chrysene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Bis(2-ethylhexyl)phthalate	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Di-n-octyl phthalate	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Benzo(b)fluoranthene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Benzo(k)fluoranthene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Benzo(a)pyrene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Indeno(1,2,3-cd)pyrene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Dibenz(a,h)anthracene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Benzo(g,h,i)perylene	ND	10	μg/L	1	9/26/2008 6:24:00 PM
(3+4)-Methylphenol	ND	10	μg/L	1	9/26/2008 6:24:00 PM
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1	9/26/2008 6:24:00 PM
TIC: 2H-1-Benzopyran-2-one, 7-methyl-	12	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (13.15)	20	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (14.39)	3.3	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (14.69)	2.3	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (18.15)	3.5	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (18.67)	6.7	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (18.81)	4.4	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (19.26)	2.1	0	µg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (21.63)	2.3	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (24.08)	3.2	0	μg/L	1	9/26/2008 6:24:00 PM
TIC: unknown (24.26)	3.3	0	μg/L	1	9/26/2008 6:24:00 PM
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LEF
Chloromethane	ND	25	µg/L	5	9/4/2008 8:07:00 AM
Vinyl chloride	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Bromomethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Chloroethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Acetone	ND	50	μg/L	5	9/4/2008 8:07:00 AM
1.1-Dichloroethene	ND	25	µg/L	5	9/4/2008 8:07:00 AM
Carbon disulfide	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Methylene chloride	ND	25	μg/L	5	9/4/2008 8:07:00 AM
trans-1,2-Dichloroethene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
1,1-Dichloroethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
2-Butanone	ND	50	µg/L	5	9/4/2008 8:07:00 AM
cis-1,2-Dichloroethene	ND	25	µg/L	5	9/4/2008 8:07:00 AM
Chloroform	ND	25	µg/L	5	9/4/2008 8:07:00 AM

Approved By:	Date:	(C 、C 、 と Page 11 of 21
Qualifiers: * Low Level	**	Value exceeds Maximum Contaminant Value

- Analyte detected in the associated Method Blank
 - Holding times for preparation or analysis exceeded
 - Not Detected at the Reporting Limit

- Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

Stearns & Wheler, LLC

Lab Order:

CLIENT:

U0808504

Project:

153 Fillmore Ave

Lab ID:

U0808504-003

Date: 10-Oct-08

Client Sample ID: MW-7

Collection Date: 8/27/2008 12:15:00 PM

Matrix: WATER

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LEF
1,1,1-Trichloroethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Carbon tetrachloride	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Benzene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
1,2-Dichloroethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Trichloroethene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
1,2-Dichloropropane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Bromodichloromethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
4-Methyl-2-pentanone	ND	50	μg/L	5	9/4/2008 8:07:00 AM
cis-1,3-Dichloropropene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Toluene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
trans-1,3-Dichloropropene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
1,1,2-Trichloroethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
2-Hexanone	ND	50	μg/L	5	9/4/2008 8:07:00 AM
Tetrachloroethene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Dibromochloromethane	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Chlorobenzene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Ethylbenzene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
m,p-Xylene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
o-Xylene	ND	25	μg/L	5	9/4/2008 8:07:00 AM
Styrene	ND	25	μ g/ L	5	9/4/2008 8:07:00 AM
Bromoform	ND	25	μg/Ľ	5	9/4/2008 8:07:00 AM
1,1,2,2-Tetrachloroethane	ND	25	µg/L	5	9/4/2008 8:07:00 AM
NOTES:					

NOTES:

The reporting limits were raised due to matrix interference.

TICS: No compounds were detected.

Sample foamed during purging procedure.

Approved By: 1.12-1.1 Qualifiers: Low Level

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Date: 16 11 15

Page 12 of 21

Value exceeds Maximum Contaminant Value

Е Value above quantitation range

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC Client Sample ID: MW-8

Lab Order:

U0808504

Project:

Collection Date: 8/27/2008 9:15:00 AM

Lab ID:

153 Fillmore Ave U0808504-004

Matrix: WATER

Date: 10-Oct-08

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ICP METALS, TOTAL ASP			E200.7	(E200.7)	Analyst: LJ
Aluminum	1420	100	μg/L	1	10/9/2008 6:07:58 PM
Antimony	ND	15.0	μg/L	1	10/9/2008 6:07:58 PM
Arsenic	ND	10.0	μg/L	1	10/9/2008 6:32:45 PM
Barium	175	50.0	μg/L	1	10/9/2008 6:07:58 PM
Beryllium	ND	3.00	μg/L	1	10/9/2008 6:07:58 PM
Cadmium	ND	5.00	µg/L	1	10/9/2008 6:07:58 PM
Calcium	149000	1000	μg/L	1	10/9/2008 6:07:58 PM
Chromium	ND	5.00	µg/L	1	10/9/2008 6:07:58 PM
Cobalt	ND	20.0	µg/L	1	10/9/2008 6:07:58 PM
Copper	15.0	10.0	μg/L	1	10/9/2008 6:07:58 PM
Iron	4640	60.0	µg/L	1	10/9/2008 6:07:58 PM
Lead	15.4	3.00	μg/L	1	10/9/2008 6:07:58 PM
Magnesium	27100	1000	μg/L	1	10/9/2008 6:07:58 PM
Manganese	891	10.0	μg/L	1	10/9/2008 6:07:58 PM
Nickel	ND	30.0	μg/L	1	10/9/2008 6:07:58 PM
Potassium	4060	1000	μg/L	1	10/9/2008 6:07:58 PM
Selenium	ND	5.00	μg/L	1	10/9/2008 6:07:58 PM
Silver	ND	10.0	μg/L	1	10/9/2008 6:07:58 PM
Sodium	24000	1000	µg/L	1	10/9/2008 6:07:58 PM
Thallium	ND	10.0	μg/L	1	10/9/2008 6:32:45 PM
Vanadium	ND	30.0	μg/L	1	10/9/2008 6:07:58 PM
Zinc	630	10.0	μg/L	1	10/9/2008 6:07:58 PM
OTAL MERCURY WATERS ASP			E245.2	(E245.2)	Analyst: LJ
Mercury	ND	0.200	µg/L	1	9/12/2008 11:38:11 AM
CL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Phenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Bis(2-chloroethyl)ether	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2-Chlorophenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM
1,3-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
1,4-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
1,2-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2-Methylphenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM
N-Nitrosodi-n-propylamine	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Hexachloroethane	ND	10	µg/L	1	9/26/2008 7:09:00 PM
Nitrobenzene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Isophorone	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2-Nitrophenol	ND	10	µg/L	1	9/26/2008 7:09:00 PM
2,4-Dimethylphenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM

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Date: 16 -6 08 Page 13 of 21

- Qualifiers: Low Level
 - Analyte detected in the associated Method Blank В
 - Holding times for preparation or analysis exceeded
 - ND Not Detected at the Reporting Limit

- Value exceeds Maximum Contaminant Value
- Е Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC Client Sample ID: MW-8

Lab Order:

U0808504

Collection Date: 8/27/2008 9:15:00 AM

Date: 10-Oct-08

Project:

153 Fillmore Ave

Lab ID: U0808504-004

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
CL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Bis(2-chloroethoxy)methane	ND	10	µg/L	1	9/26/2008 7:09:00 PM
2,4-Dichlorophenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM
1,2,4-Trichlorobenzene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Naphthalene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
4-Chloroaniline	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Hexachlorobutadiene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
4-Chloro-3-methylphenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2-Methylnaphthalene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Hexachlorocyclopentadiene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2,4,6-Trichlorophenol	ND	10	µg/L	1	9/26/2008 7:09:00 PM
2,4,5-Trichlorophenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2-Chloronaphthalene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2-Nitroaniline	ND	24	μg/L	1	9/26/2008 7:09:00 PM
Dimethyl phthalate	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Acenaphthylene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2,6-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
3-Nitroaniline	ND	24	µg/L	1	9/26/2008 7:09:00 PM
Acenaphthene	3	10	J µg/L	1	9/26/2008 7:09:00 PM
2,4-Dinitrophenol	ND	24	μg/L	1	9/26/2008 7:09:00 PM
4-Nitrophenol	ND	24	μg/L	1	9/26/2008 7:09:00 PM
Dibenzofuran	ND	10	μg/L	1	9/26/2008 7:09:00 PM
2,4-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Diethyl phthalate	ND	10	μg/L	1	9/26/2008 7:09:00 PM
4-Chlorophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Fluorene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
4-Nitroaniline	ND	24	μg/L	1	9/26/2008 7:09:00 PM
4,6-Dinitro-2-methylphenol	ND	24	μg/L	1	9/26/2008 7:09:00 PM
N-Nitrosodiphenylamine	ND	10	μg/L	1	9/26/2008 7:09:00 PM
4-Bromophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Hexachlorobenzene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Pentachlorophenol	ND	24	μg/L	1	9/26/2008 7:09:00 PM
Phenanthrene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Anthracene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Carbazole	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Di-n-butyl phthalate	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Fluoranthene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Pyrene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Butyl benzyl phthalate	ND	10	μg/L	1	9/26/2008 7:09:00 PM
3,3 -Dichlorobenzidine	ND	10	μg/L	1	9/26/2008 7:09:00 PM

Approved By:

Qualifiers:

Low Level

Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Date: 10 10 Page 14 of 21

- Value exceeds Maximum Contaminant Value
- Value above quantitation range
- Analyte detected below quantitation limits
- Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC

Lab Order:

U0808504

153 Fillmore Ave

Project: Lab ID:

U0808504-004

Date: 10-Oct-08

Client Sample ID: MW-8

Collection Date: 8/27/2008 9:15:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Benz(a)anthracene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Chrysene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Bis(2-ethylhexyl)phthalate	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Di-n-octyl phthalate	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Benzo(b)fluoranthene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Benzo(k)fluoranthene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Benzo(a)pyrene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Indeno(1,2,3-cd)pyrene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Dibenz(a,h)anthracene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Benzo(g,h,i)perylene	ND	10	μg/L	1	9/26/2008 7:09:00 PM
(3+4)-Methylphenol	ND	10	μg/L	1	9/26/2008 7:09:00 PM
Bis(2-chloroisopropyl)ether	ND	10	μg/L	1	9/26/2008 7:09:00 PM
TIC: unknown (13.04)	20	0	μg/L	1	9/26/2008 7:09:00 PM
TIC: unknown (13.15)	27	0	μg/L	1	9/26/2008 7:09:00 PM
TIC: unknown (13.6)	2.8	0	μg/L	1	9/26/2008 7:09:00 PM
TIC: unknown (14.33)	2.1	0	μg/L	1	9/26/2008 7:09:00 PM
TIC: unknown (19.88)	2.9	0	μg/L	1	9/26/2008 7:09:00 PM
TIC: unknown (21.4)	2.0	0	μg/L	1	9/26/2008 7:09:00 PM
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LEF
Chloromethane	ND	50	µg/L	10	9/4/2008 4:54:00 AM
Vinyl chloride	160	50	μg/L	10	9/4/2008 4:54:00 AM
Bromomethane	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Chloroethane	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Acetone	ND	100	µg/L	10	9/4/2008 4:54:00 AM
1,1-Dichloroethene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Carbon disulfide	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Methylene chloride	ND	50	μg/L	10	9/4/2008 4:54:00 AM
trans-1,2-Dichloroethene	20	50	J μg/L	10	9/4/2008 4:54:00 AM
1,1-Dichloroethane	ND	50	µg/L	10	9/4/2008 4:54:00 AM
2-Butanone	ND	100	μg/L	10	9/4/2008 4:54:00 AM
cis-1,2-Dichloroethene	230	50	μg/L	10	9/4/2008 4:54:00 AM
Chloroform	ND	50	μg/L	10	9/4/2008 4:54:00 AM
1,1,1-Trichloroethane	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Carbon tetrachloride	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Benzene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
1,2-Dichloroethane	ND	50	µg/L	10	9/4/2008 4:54:00 AM
Trichloroethene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
1.2-Dichloropropane	ND	50	μg/L	10	9/4/2008 4:54:00 AM

Approved	By
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7-1-1-1

Qualifiers:

- 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

Date: 16 10 VF

Page 15 of 21

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC Client Sample ID: MW-8

Lab Order:

U0808504

Project:

Collection Date: 8/27/2008 9:15:00 AM

Date: 10-Oct-08

Lab ID:

153 Fillmore Ave U0808504-004

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LEF
Bromodichloromethane	ND	50	μg/L	10	9/4/2008 4:54:00 AM
4-Methyl-2-pentanone	ND	100	µg/L	10	9/4/2008 4:54:00 AM
cis-1,3-Dichloropropene	ND	50	µg/L	10	9/4/2008 4:54:00 AM
Toluene	ND	50	µg/L	10	9/4/2008 4:54:00 AM
trans-1,3-Dichloropropene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
1,1,2-Trichloroethane	ND	50	μg/L	10	9/4/2008 4:54:00 AM
2-Hexanone	ND	100	μg/L	10	9/4/2008 4:54:00 AM
Tetrachloroethene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Dibromochloromethane	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Chlorobenzene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Ethylbenzene	ND	50	µg/L	10	9/4/2008 4:54:00 AM
m,p-Xylene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
o-Xylene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Styrene	ND	50	μg/L	10	9/4/2008 4:54:00 AM
Bromoform	ND	50	µg/L	10	9/4/2008 4:54:00 AM
1,1,2,2-Tetrachloroethane	ND	50	μg/L	10	9/4/2008 4:54:00 AM
NOTES:					

NOTES:

The reporting limits were raised due to the high concentration of target compounds.

TICS: No compounds were detected.

Approved By: Date: Page 16 of 21 IC 10 00 Qualifiers: Value exceeds Maximum Contaminant Value Analyte detected in the associated Method Blank

В

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Е Value above quantitation range

Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Analytical Report

Date: 10-Oct-08

CLIENT:

Stearns & Wheler, LLC

Client Sample ID: FD @ MW-6

Lab Order:

U0808504

Collection Date: 8/27/2008 10:15:00 AM

Project:

153 Fillmore Ave

Lab ID:

U0808504-005

Matrix: WATER

Analyses	Result	Limit (Qual Units	DF	Date Analyzed
ICP METALS, TOTAL ASP			E200.7	(E200.7)	Analyst: LJ
Aluminum	3110	100	μg/L	1	10/9/2008 6:11:34 PM
Antimony	ND	15.0	μg/L	1	10/9/2008 6:11:34 PM
Arsenic	ND	10.0	μg/L	1	10/9/2008 6:38:06 PM
Barium	240	50.0	μg/L	1	10/9/2008 6:11:34 PM
Beryllium	ND	3.00	μg/L	1	10/9/2008 6:11:34 PM
Cadmium	ND	5.00	μg/L	1	10/9/2008 6:11:34 PM
Calcium	130000	1000	μg/L	1	10/9/2008 6:11:34 PM
Chromium	5.33	5.00	μg/L	1	10/9/2008 6:11:34 PM
Cobalt	ND	20.0	μg/L	1	10/9/2008 6:11:34 PM
Copper	ND	10.0	μg/L	1	10/9/2008 6:11:34 PM
Iron	13900	60.0	μg/L	1	10/9/2008 6:11:34 PM
Lead	13.8	3.00	μg/L	1	10/9/2008 6:11:34 PM
Magnesium	24600	1000	μg/L	1	10/9/2008 6:11:34 PM
Manganese	2860	10.0	μg/L	1	10/9/2008 6:11:34 PM
Nickel	ND	30.0	μg/L	1	10/9/2008 6:11:34 PM
Potassium	3400	1000	µg/L	1	10/9/2008 6:11:34 PM
Selenium	ND	5.00	μg/L	1	10/9/2008 6:11:34 PM
Silver	ND	10.0	µg/L	1	10/9/2008 6:11:34 PM
Sodium	21500	1000	µg/L	1	10/9/2008 6:11:34 PM
Thallium	ND	10.0	μg/L	1	10/9/2008 6:11:34 PM
Vanadium	ND	30.0	µg/L	1	10/9/2008 6:11:34 PM
Zinc	72.9	10.0	µg/L	1	10/9/2008 6:11:34 PM
TOTAL MERCURY WATERS ASP			E245.2	(E245.2)	Analyst: LJ
Mercury	ND	0.200	µg/L	1	9/12/2008 11:39:12 AM
CL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Phenol	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Bis(2-chloroethyl)ether	ND	10	μg/L	1	9/26/2008 7:54:00 PM
2-Chlorophenol	ND	10	µg/L	1	9/26/2008 7:54:00 PM
1,3-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
1,4-Dichlorobenzene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
1,2-Dichlorobenzene	ND	10	µg/L	1	9/26/2008 7:54:00 PM
2-Methylphenol	ND	10	µg/L	1	9/26/2008 7:54:00 PM
N-Nitrosodi-n-propylamine	ND	10	µg/L	1	9/26/2008 7:54:00 PM
Hexachloroethane	ND	10	µg/L	1	9/26/2008 7:54:00 PM
Nitrobenzene	ND	10	µg/L	1	9/26/2008 7:54:00 PM
Isophorone	ND	10	μg/L	1	9/26/2008 7:54:00 PM
2-Nitrophenol	ND	10	μg/L	1	9/26/2008 7:54:00 PM
2,4-Dimethylphenol	ND	10	μg/L	1	9/26/2008 7:54:00 PM

Approved By: 12-11-1

Qualifiers:

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

e: 10 0 Z Pag

** Value exceeds Maximum Contaminant Value

E Value above quantitation range

Date:

- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

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Analytical Report

Stearns & Wheler, LLC

Lab Order:

U0808504

Project: Lab ID:

CLIENT:

153 Fillmore Ave

U0808504-005

Date: 10-Oct-08

Client Sample ID: FD @ MW-6

Collection Date: 8/27/2008 10:15:00 AM

Matrix: WATER

nalyses	Result	Limit	Qual Units	DF	Date Analyzed
CL-SEMIVOLATILE ORGANICS			SW8270C	(SW3520)	Analyst: LD
Bis(2-chloroethoxy)methane	ND	10	μg/L	1	9/26/2008 7:54:00 PN
2,4-Dichlorophenol	ND	10	µg/L	1	9/26/2008 7:54:00 PN
1,2,4-Trichlorobenzene	ND	10	µg/L	1	9/26/2008 7:54:00 PN
Naphthalene	ND	10	μg/L	1	9/26/2008 7:54:00 PN
4-Chloroaniline	ND	10	μg/L	1	9/26/2008 7:54:00 PN
Hexachlorobutadiene	ND	10	μg/L	1	9/26/2008 7:54:00 PN
4-Chloro-3-methylphenol	ND	10	μg/L	1	9/26/2008 7:54:00 PM
2-Methylnaphthalene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Hexachlorocyclopentadiene	ND	10	μg/L	1	9/26/2008 7:54:00 PN
2,4,6-Trichlorophenol	ND	10	μg/L	1	9/26/2008 7:54:00 PN
2,4,5-Trichlorophenol	ND	10	µg/L	1	9/26/2008 7:54:00 PM
2-Chloronaphthalene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
2-Nitroaniline	ND	24	µg/L	1	9/26/2008 7:54:00 PM
Dimethyl phthalate	ND	10	μg/L	1	9/26/2008 7:54:00 PN
Acenaphthylene	ND	10	μg/L	1	9/26/2008 7:54:00 PN
2,6-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
3-Nitroaniline	ND	24	μg/L	1	9/26/2008 7:54:00 PN
Acenaphthene	2	10	J µg/L	1	9/26/2008 7:54:00 PN
2,4-Dinitrophenol	ND	24	µg/L	1	9/26/2008 7:54:00 PM
4-Nitrophenol	ND	24	µg/L	1	9/26/2008 7:54:00 PN
Dibenzofuran	ND	10	μg/L	1	9/26/2008 7:54:00 PM
2,4-Dinitrotoluene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Diethyl phthalate	ND	10	μg/L	1	9/26/2008 7:54:00 PM
4-Chlorophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Fluorene	ND	10	μg/L	1	9/26/2008 7:54:00 PN
4-Nitroaniline	ND	24	μg/L	1	9/26/2008 7:54:00 PM
4,6-Dinitro-2-methylphenol	ND	24	μg/L	1	9/26/2008 7:54:00 PM
N-Nitrosodiphenylamine	ND	10	µg/L	1	9/26/2008 7:54:00 PM
4-Bromophenyl phenyl ether	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Hexachlorobenzene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Pentachlorophenol	ND	24	μg/L	1	9/26/2008 7:54:00 PM
Phenanthrene	ND	10	µg/L	1	9/26/2008 7:54:00 PN
Anthracene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Carbazole	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Di-n-butyl phthalate	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Fluoranthene	ND	10	μg/L	1	9/26/2008 7:54:00 PM
Pyrene	ND	10	µg/L	1	9/26/2008 7:54:00 PM
Butyl benzyl phthalate	ND	10	µg/L	1	9/26/2008 7:54:00 PM
3,3'-Dichlorobenzidine	ND	10	µg/L	1	9/26/2008 7:54:00 PM

Approved By:

Qualifiers:

- * 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

- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range

Date:

- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

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Analytical Report

CLIENT: Stearns & Wheler, LLC

Lab Order: U0808504

Project:

153 Fillmore Ave

Lab ID:

U0808504-005

Date: 10-Oct-08

Client Sample ID: FD @ MW-6

Collection Date: 8/27/2008 10:15:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS			SW	/8270C	(SW3520)	Analyst: LD
Benz(a)anthracene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Chrysene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Bis(2-ethylhexyl)phthalate	2	10	J	μg/L	1	9/26/2008 7:54:00 PM
Di-n-octyl phthalate	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Benzo(b)fluoranthene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Benzo(k)fluoranthene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Benzo(a)pyrene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Indeno(1,2,3-cd)pyrene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Dibenz(a,h)anthracene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Benzo(g,h,i)perylene	ND	10		μg/L	1	9/26/2008 7:54:00 PM
(3+4)-Methylphenol	ND	10		μg/L	1	9/26/2008 7:54:00 PM
Bis(2-chloroisopropyl)ether	ND	10		μg/L	1	9/26/2008 7:54:00 PM
TIC: 1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	25	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: 3,3'-Dimethylbiphenyl	4.2	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: Azulene, 7-ethyl-1,4-dimethyl-	5.0	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: Naphthalene, 1,2,3,4-tetramethyl-	5.1	0		µg/L	1	9/26/2008 7:54:00 PM
TIC: Naphthalene, 1,3-dimethyl-	5.3	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: Naphthalene, 1,4,6-trimethyl-	5.1	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: Naphthalene, 1,6,7-trimethyl-	17	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: Naphthalene, 1-(chloromethyl)-2-methyl-	4.3	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: Pentadecane, 2,6,10,14-tetramethyl-	18	0		µg/L	1	9/26/2008 7:54:00 PM
TIC: Pentadecane, 2,6,10-trimethyl-	13	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: Phenanthrene, 2,3,5-trimethyl-	5.2	0		μg/ L	1	9/26/2008 7:54:00 PM
TIC: unknown (13.04)	20	0		µg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (13.24)	17	0		µg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (13.93)	6.8	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (14.52)	9.2	0		µg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (14.71)	6.4	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (16)	13	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (16.14)	4.3	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (16.96)	4.8	0		μg/L	1	9/26/2008 7:54:00 PM
TIC: unknown (18.27)	4.4	0		µg/L	1	9/26/2008 7:54:00 PN
ASP/CLP TCL VOLATILE WATER			SW	/8260B		Analyst: LE I
Chloromethane	ND	50		μg/L	10	9/4/2008 5:33:00 AM
Vinyl chloride	96	50		μg/L	10	9/4/2008 5:33:00 AM

Approved By:

1- Similes

Qualifiers: * 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

Date:



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** Value exceeds Maximum Contaminant Value

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC

Lab Order:

U0808504

Project: Lab ID: 153 Fillmore Ave U0808504-005

Date: 10-Oct-08

Client Sample ID: FD @ MW-6

Collection Date: 8/27/2008 10:15:00 AM

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER				Analyst: LEF	
Bromomethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Chloroethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Acetone	ND	100	μg/L	10	9/4/2008 5:33:00 AM
1,1-Dichloroethene	ND	50	µg/L	10	9/4/2008 5:33:00 AM
Carbon disulfide	ND	50	µg/L	10	9/4/2008 5:33:00 AM
Methylene chloride	ND	50	μg/L	10	9/4/2008 5:33:00 AM
trans-1,2-Dichloroethene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
1,1-Dichloroethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
2-Butanone	ND	100	μg/L	10	9/4/2008 5:33:00 AM
cis-1,2-Dichloroethene	230	50	μg/L	10	9/4/2008 5:33:00 AM
Chloroform	ND	50	μg/L	10	9/4/2008 5:33:00 AM
1,1,1-Trichloroethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Carbon tetrachloride	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Benzene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
1,2-Dichloroethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Trichloroethene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
1,2-Dichloropropane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Bromodichloromethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
4-Methyl-2-pentanone	ND	100	μg/L	10	9/4/2008 5:33:00 AM
cis-1,3-Dichloropropene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Toluene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
trans-1,3-Dichloropropene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
1,1,2-Trichloroethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
2-Hexanone	ND	100	μg/L	10	9/4/2008 5:33:00 AM
Tetrachloroethene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Dibromochloromethane	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Chlorobenzene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Ethylbenzene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
m,p-Xylene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
o-Xylene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Styrene	ND	50	μg/L	10	9/4/2008 5:33:00 AM
Bromoform	ND	50	μg/L	10	9/4/2008 5:33:00 AM
1,1,2,2-Tetrachloroethane NOTES:	ND	50	μg/L	10	9/4/2008 5:33:00 AM

Qualifiers:

The reporting limits were raised due to the high concentration of target compounds.

TICS: No compounds were detected.

Approved By: PICH-1

Low Level

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Date:



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Value exceeds Maximum Contaminant Value

E Value above quantitation range

J Analyte detected below quantitation limits

Spike Recovery outside accepted recovery limits

Analytical Report

CLIENT: Stearns & Wheler, LLC

Lab Order: U0808504

Project: 153 Fillmore Ave

Lab ID: U0808504-006

Date: 10-Oct-08

Client Sample ID: Holding Blank

Collection Date: 8/28/2008 4:00:00 PM

Matrix: WATER

Analyses	Result	Limit	Qual Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER			SW8260B		Analyst: LEF
Chloromethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Vinyl chloride	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Bromomethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Chloroethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Acetone	ND	10	μg/L	1	9/4/2008 8:46:00 AM
1,1-Dichloroethene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Carbon disulfide	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Methylene chloride	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
trans-1,2-Dichloroethene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
1,1-Dichloroethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
2-Butanone	ND	10	μg/L	1	9/4/2008 8:46:00 AM
cis-1,2-Dichloroethene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Chloroform	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
1,1,1-Trichloroethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Carbon tetrachloride	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Benzene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
1,2-Dichloroethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Trichloroethene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
1,2-Dichloropropane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Bromodichloromethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
4-Methyl-2-pentanone	ND	10	μg/L	1	9/4/2008 8:46:00 AM
cis-1,3-Dichloropropene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Toluene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
trans-1,3-Dichloropropene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
1.1,2-Trichloroethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
2-Hexanone	ND	10	μg/L	1	9/4/2008 8:46:00 AM
Tetrachloroethene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Dibromochloromethane	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Chlorobenzene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Ethylbenzene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
m,p-Xylene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
o-Xylene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Styrene	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
Bromoform	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM
1,1,2,2-Tetrachloroethane NOTES:	ND	5.0	μg/L	1	9/4/2008 8:46:00 AM

NOTES

TICS: No compounds were detected.

Approved By: PMH

Qualifiers: * Low Leve

B Analyte detected in the associated Method Blank

11 Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Date: 10 10 0%

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** Value exceeds Maximum Contaminant Value

E Value above quantitation range

J Analyte detected below quantitation limits

S Spike Recovery outside accepted recovery limits

ULI Computer Input Form

Diale Maiboratorites, Muc.

6034 Corporate Drive • E. Syracuse, NY 13057-1017 (315) 437 0255

Fax 437 1209

Chain Of **Custody Record**

Special Turnaround α Rec'd for Lab by: (Signature) Delivery (check one):

ULI Sampled

Pickup Time 10 Day (Lab Notification (Signature) Received by: (Signature) Received by: (Signature) Remarks ASP CAT ULI Internal Use Only required) 000 10 6 121/18/1341 Time Time Time 8 ~ Company. Cours & Mholey L.L.C Relinquished by: (Signature) | Date∖ ∠ Relinquished by: (Signature) | Date Retinguished by: (Signature) Date 6 Relinquished by: (Signature) Date 2) Sampled by: (Please Print) 4 3 5 7 Containō ers 4 V V. V ULI Internal Use Only 7 pres. T-INO. Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner (1/X) size 0(0) () Grab or Comp. (J. E.) (110k Gvtype (1/6) 40> ALGE Client Project # / Project Name Doddamalia NY 153 Fillmore AVE Site Location (city/state) sample bottle: STOBED ! Anwars C.W. Lynn 244.645 Heylerous 45upous Matrix 90 3/27/08 1175 Time (716) (31-8503 27/08 8127/16 8/27/08 Date Phone # Sterrns + Whaler, LLC 8270 SVOCS TCL 3260 VJC Höldung Olasik MS/MSD @ MW-5 Dave Rowlinson 1 D @ MW-6 Motols Control parameter and method Tim Clank Sample Location: Client Contact: M.W. S MW- 5 14.W. F MW / 6 က

Buffalo Rochester

Albany

Binghamton

Fair Lawn (NJ)

SVERCHSA

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