



August 6, 2015

Mr. Daniel Lanners
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

Subject: Former M. Argueso and Company, Inc.
441 & 442 Waverly Avenue, Mamaroneck, NY
Site #C360108
First Biannual 2015 Groundwater Monitoring Results
STERLING File #28012 (Task 995)

Dear Mr. Lanners,

The biannual groundwater sampling for the first half of 2015 for the above-referenced site was conducted by Sterling Environmental Engineering, P.C. (STERLING) on June 23 and 24, 2015. This sampling was conducted in accordance with the approved Site Management Plan (SMP) dated October 2013, and the modifications approved by the New York State Department of Environmental Conservation (NYSDEC) dated March 7, 2014 and April 29, 2015.

Background

In June 2013, Hydrogen Release Compound (HRC) was injected into the subsurface surrounding wells GZ-22D and GZ-23D. Quarterly monitoring was conducted for one year after the injections were completed. Biannual monitoring was approved by the NYSDEC starting in 2015.

This report presents the first biannual groundwater monitoring results.

Groundwater Monitoring

Four (4) onsite and two (2) offsite monitoring wells were sampled via peristaltic pump and analyzed for Part 375 Volatile Organic Compounds (VOCs). A figure showing the well locations is attached. The Daily Field Report and Sampling Data Sheets are also attached.

Results of the laboratory analyses are contained in Table 1, attached. Laboratory results and the Data Usability Summary Report (DUSR) are also attached. The results are compared to Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Water Quality Standards and Guidance Values. Figure 1 shows the monitoring well locations.

Since the injections, levels of Tetrachloroethylene (PCE) and Trichloroethylene (TCE) have decreased in monitoring wells B6-OWD, GZ-21D, GZ-22D, GZ-23D, and OSMW-4.

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The following discussion details the trends in each well:

B6-OWD

Initially, levels of several VOCs increased in this well. During the most recent event, levels of all VOCs in this well have decreased to below standards.

GZ-21D

Initially, levels of several VOCs increased in this well. During the most recent event, levels of all VOCs in this well have decreased to below standards with the exception of 1,2-Dichloroethane, cis-1,2-Dichloroethene, and Benzene.

GZ-22D

PCE and TCE levels in this well have decreased to below standards for this event. All other VOCs have decreased to levels below or slightly above standards for this event.

GZ-23D

Both PCE and TCE have been steadily decreasing since the injections, although they increased for this event. Vinyl chloride, a daughter compound of PCE and TCE, increased following the injections and has recently slightly decreased. Both cis-1,2-dichloroethene and trans-1,2-dichloroethene increased following the injections, and remain above standards.

OSMW-3

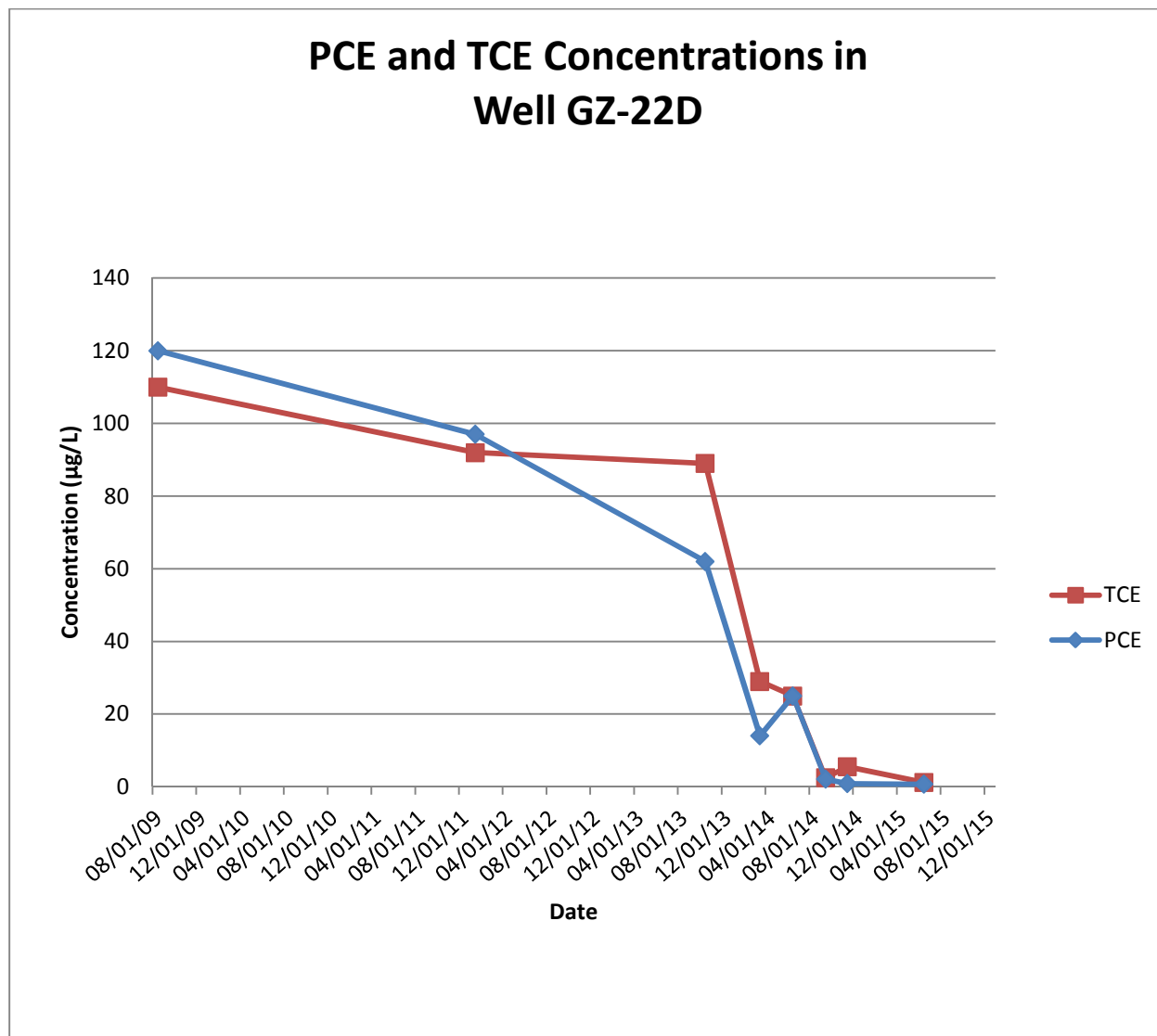
Both PCE and TCE levels increased following the injections but both compounds decreased for this event. However, the levels of PCE and TCE remain elevated. Cis-1,2-dichloroethene also increased, and remains above standards for this event.

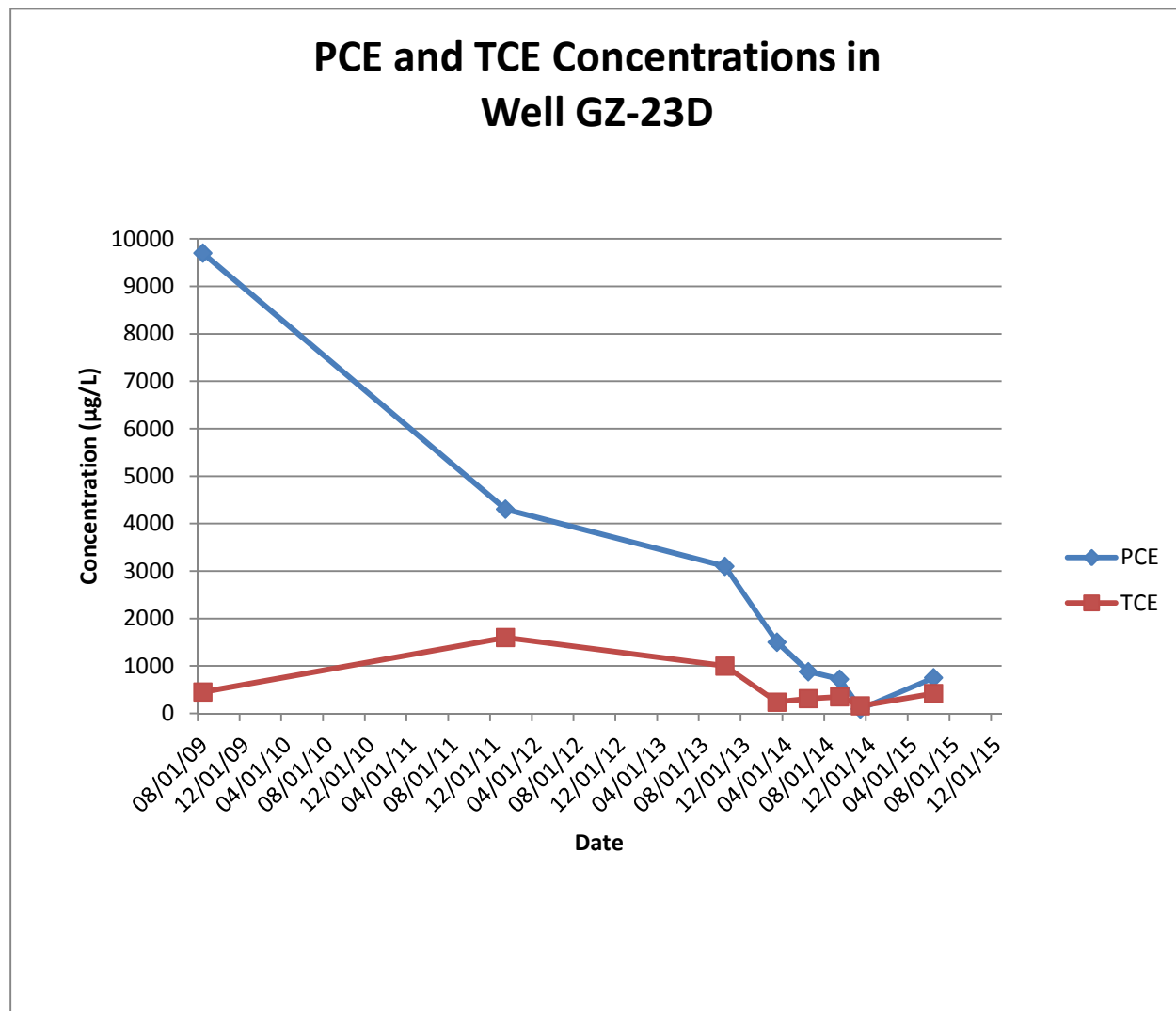
OSMW-4

All VOCs are below standards for this event.

The charts below depict the decreasing levels of PCE and TCE in wells GZ-22D and GZ-23D over time.

Initially, wells GZ-22D and GZ-23D contained the highest concentrations of PCE and TCE of the onsite wells and were therefore chosen for treatment.





Conclusions and Recommendations

A review of the groundwater monitoring data since the injections occurred shows an overall decrease in the level of VOCs in all wells except OSMW-3. Therefore, the remedy continues to achieve remedial goals at this site. STERLING recommends groundwater monitoring continue on a biannual schedule and will conduct the second of the biannual sampling events in November or December of 2015.

Please contact me should you have any questions.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.



Mark P. Millspaugh, P.E.

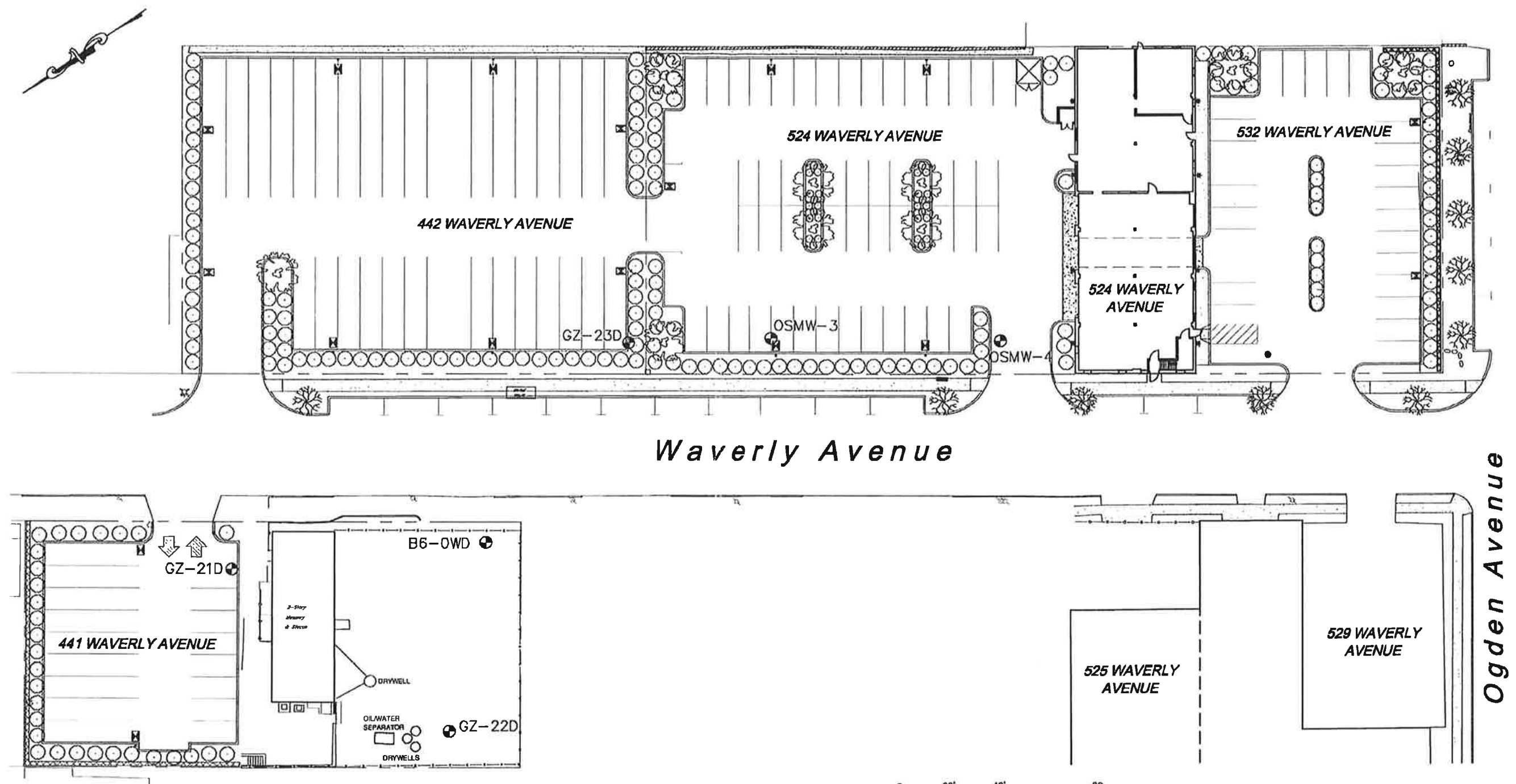
President

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MPM/bc
Email/First Class Mail
Attachments

cc: T.J. Milo, New Waverly Avenue Associates, LLC
Kevin Young, Young Sommer, LLC
Amen Omorogbe, P.E., NYSDEC

FIGURE



LEGEND:

- ⊠ LIGHT POLE
- ⊕ MONITORING WELL
- CONCRETE SIDEWALK
- - - PROPERTY BOUNDARY
- · - · - FENCE

BASE MAP PROVIDED BY SITE DESIGN
CONSULTANTS, DATED FEBRUARY 22, 2010.

FIGURE 1

STERLING

Sterling Environmental Engineering, P.C.

24 Wade Road • Latham, New York 12110

QUARTERLY GROUNDWATER MONITORING
WELL LOCATIONS

SITE# C360108

NEW WAVERLY AVENUE ASSOCIATES, LLC

V/T OF MAMARONECK

WESTCHESTER CO., N.Y.

PROJ. No.: 28012 | DATE: 4/23/14 | SCALE: 1" = 40' | DWG. NO. 28012092 | FIGURE 1

TABLES

Table 1
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Volatile Organic Compounds
Site #C360108

Location			Water Quality Standard*	441 Waverly Avenue																										
Sample ID		B6-OWD								GZ-21D								DUP-1 [4]	GZ-22D								DUP-1 [1]	DUP-1 [2]		
Unit		µg/L								µg/L								µg/L	µg/L								µg/L	ug/L		
Sample Date		08/21/09		01/11/12	10/15/13	03/24/14	06/18/14	09/24/14	11/05/14	06/23/15	08/20/09	01/11/12	10/15/13	03/24/14	06/18/14	09/24/14	11/05/14	06/23/15	06/18/14	08/19/09	01/11/12	10/15/13	03/24/14	06/18/14	09/24/14	11/05/14	06/23/15	10/15/13	03/24/14	
Parameter																														
Volatile Organic Compounds:		CAS#																												
1,1-Dichloroethane		75-34-3	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<3.0	<0.70	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.38	<0.70	<4.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<0.38	<0.70	<0.5	<25
1,1-Dichloroethene		75-35-4	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<2.3	<0.14	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.29	<0.14	<4.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<0.29	<0.14	<0.5	<25
1,2,3-Trichlorobenzene		87-61-6	5	NA	NA	NA	NA	NA	NA	NA	<0.70	<5.0	NA	NA	NA	NA	NA	NA	<0.70	NA	<5.0	NA	NA	NA	NA	NA	NA	<0.70	NA	NA
1,2,4-Trichlorobenzene		120-82-1	5	NA	NA	NA	NA	NA	NA	NA	<0.70	<5.0	NA	NA	NA	NA	NA	NA	<0.70	NA	<5.0	NA	NA	NA	NA	NA	NA	<0.70	NA	NA
1,2-Dichloroethane		107-06-2	0.6	9.7	<5.0	1.9 J	2.8	8.0	9.1	<1.7	0.36 J	170 D	5.3	<5.0	190 D	190	4.1	0.4 J	54	190	22	17	16	24 J	<25	1.3	0.64 J	5.4	16	22 J
cis-1,2-Dichloroethene		156-59-2	5	390 D	1.5 J	76	180 D	330	430 D	<6.5	1.3 J	270 D	10	7.6	310 D	290	5.6	<0.81	100	350	8.4	6.5	12	110	<25	1.9	1.7	4.5	12	100
trans-1,2-Dichloroethene		156-60-5	5	150	<5.0	6.8	7.2	8.4	14	<7.2	<0.70	6.6	<5.0	<5.0	3.8	<5.0	<1.0	<0.9	0.99 J	<4.0	<5.0	1.3 J	4.2 J	<25	<25	5.8	5.5	9.4	4.4 J	<25
2-Butanone (MEK)		78-93-3	50 GV	<5.0	<5.0	<5.0	<10	<40	<40	<11	<1.9	<5.0	<5.0	<5.0	<10	<50	<10	<1.3	2.5 J	<40	<5.0	<5.0	<5.0	<250	1400	190	12	<1.9	<5.0	<250
Acetone		67-64-1	50 GV	<50.0	<5.0	<5.0	<10	<40	<40	<24	<1.5	<50.0	<5.0	<5.0	<10	<50	<10	<3.0	20	<40	<50.0	<5.0	<5.0	<250	370 J	270	51	2.4 J	<5.0	<250
Benzene		71-43-2	1	<5.0	0.51 J	<5.0	<1.0	<4.0	<4.0	<3.3	0.38 J	61	<5.0	<5.0	8.2	<5.0	<1.0	<0.41	1.2	<4.0	2.6 J	1.3 J	1.2 J	<25	<25	1.6	1.7	2.2 J	1.2 J	<25
n-Butylbenzene		104-51-8	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<5.1	NA	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.64	NA	<4.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<0.64	NA	<5.0	<25
sec-Butylbenzene		135-98-8	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<6.0	NA	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.75	NA	<4.0	1.2 J	<5.0	<5.0	<25	<25	<1.0	<0.75	NA	<5.0	<25
tert-Butylbenzene		98-06-6	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<6.5	NA	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.81	NA	<4.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<0.81	NA	<5.0	<25
Carbon disulfide		75-15-0	---	NA	NA	NA	NA	NA	NA	NA	<1.0	<5.0	NA	NA	NA	NA	NA	NA	4.2 J	NA	<5.0	NA	NA	<25	NA	NA	NA	<1.0	NA	NA
Ethylbenzene		100-41-4	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<5.9	<0.70	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.74	<0.70	<4.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<0.74	<0.70	<5.0	<25
Hexachlorobutadiene		87-68-3	0.5	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA	<25	NA	NA	NA	NA	NA	NA
Isopropylbenzene		98-82-8	5	NA	NA	NA	NA	NA	NA	NA	<0.70	<5.0	NA	NA	NA	NA	NA	NA	<0.70	NA	1.5 J	NA	NA	<25	NA	NA	NA	<0.70	NA	NA
Methyl tert-butyl ether (MTBE)		1634-04-4	10 GV	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<1.3	<0.70	<5.0	<5.0	<5.0	0.27 J	<5.0	<1.0	<0.16	<0.70	<4.0	14	31	42	34	25	33	25	16	43	36
n-Propylbenzene		103-65-1	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<5.5	NA	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.64	NA	<4.0	4.4 J	<5.0	<5.0	<25	<25	<1.0	<0.69	NA	<5.0	<25
Tetrachloroethene		127-18-4	5	23	6.2	18	59	47	110	<2.9	2.4	41	1.7 J	<5.0	9.8	3.4 J	0.89 J	1.0	0.18 J	2.9 J	120	97	62	14 J	<25	2.1	0.88 J	0.69	60	21 J
Trichloroethene		79-01-6	5	43	2.1 J	41	170 D	180	330	<3.7	1.3	33	0.58 J	<5.0	7.8	15	0.82 J	2.3	<0.18	13	110	92	89	29	<25	2.5	5.5	1.2	88	34
Toluene		108-88-3	5	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<4.1	<0.70	<5.0	<5.0	<5.0	<1.0	<5.0	<1.0	<0.51	<0.70	<4.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<0.51	<0.70	<5.0	<25
Vinyl chloride		75-01-4	2	<5.0	<5.0	<5.0	<1.0	<4.0	<4.0	<7.2	<0.07	4 J	<5.0	<5.0	<4.3	<5.0	<1.0	<0.90	1.7	<4.0	<5.0	<5.0	<5.0	<25	<25	<1.0	<0.9	1.8	<5.0	<25

Notes:
BOLD Indicates exceedance of groundwater standard
* Groundwater Standards are obtained from Title 6 Part 703.5, and Guidance Values are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".
< Indicates the parameter was not detected at the laboratory detection limit shown.
NA Not Analyzed.
--- No standard or not applicable.

- [1], [2] DUP-1 samples collected from monitoring well location GZ-22D.
[3] DUP-1 samples collected from offsite monitoring well location OSMW-4.
[4] DUP-1 samples collected from monitoring well location GZ-21D.
[5] DUP-1 samples collected from monitoring well location OSMW-4.
[6] DUP-1 samples collected from monitoring well location OSMW-3
[7] DUP-1 samples collected from monitoring well location OSMW-4.

Laboratory Qualifiers:
D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.
J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.
j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

Table 1
Summary of Groundwater Analytical Data Results to Title 6 Part 703.5 Groundwater Standards and NYSDEC TOGS 1.1.1 Guidance Values
441 and 442 Waverly Avenue
Volatile Organic Compounds
Site #C360108

Location		442 Waverly Avenue										Offsite Monitoring Wells																
Well ID		Water Quality Standard* µg/L	GZ-23D								OSMW-3						DUP-1 [6]	OSMW-4						DUP-1 [7]	DUP-1 [3]	DUP-1 [5]		
Unit			µg/L								µg/L						µg/L	µg/L						µg/L	µg/L	µg/L		
Sample Date			08/20/09	01/11/12	10/15/13	03/25/14	06/19/14	09/25/14	11/05/14	06/24/15	01/10/12	10/16/13	03/24/14	06/19/14	09/24/14	11/05/14	06/24/15	11/05/14	01/10/12	10/16/13	03/25/14	06/18/14	09/24/14	11/05/14	06/24/15	06/24/15	01/10/12	09/24/14
Parameter																												
Volatile Organic Compounds		CAS#																										
1,1-Dichloroethane	75-34-3	5	<5.0	<5.0	<100	<1.0	<20	<20	<7.6	<7.0	<5.0	<80	<1.0	<20	<20	<19	<14	<0.38	<5.0	<5.0	<25	<25	<1.0	<0.38	<0.70	<0.70	<5.0	<1.0
1,1-Dichloroethene	75-35-4	5	5.5	1.6 J	<100	1.7	<20	<20	<5.8	1.9 J	<5.0	<80	<1.0	<20	<20	<15	<2.8	1.4	<5.0	<5.0	<25	<25	<1.0	<0.29	<0.14	<0.14	<5.0	<1.0
1,2,3-Trichlorobenzene	87-61-6	5	<5.0	NA	NA	NA	NA	NA	NA	<7.0	NA	NA	NA	NA	NA	NA	<14	NA	NA	NA	NA	NA	NA	NA	<0.70	<0.70	NA	NA
1,2,4-Trichlorobenzene	120-82-1	5	<5.0	NA	NA	NA	NA	NA	NA	<7.0	NA	NA	NA	NA	NA	NA	<14	NA	NA	NA	NA	NA	NA	NA	<0.70	<0.70	NA	NA
1,2-Dichloroethane	107-06-2	0.6	13	9	<100	7.8	6.6 J	7.6 J	<4.2	3.6 J	4.4 J	<80	4.7	<20	<20	<11	<2.6	3.5	1.1 J	<5.0	<25	<25	<1.0	<0.21	<0.13	<0.13	1.1 J	<1.0
cis-1,2-Dichloroethene	156-59-2	5	10	780 D	380	2200 D	930	1100	1100	780	14	31 J	46	100	220	210	180	210 D	29	3.8 J	<25	<25	6.2	6.0	1.2 J	1.2 J	29	5.2
trans-1,2-Dichloroethene	156-60-5	5	<5.0	9.1	<100	41	<20	<20	18 J	22 J	1.7 J	<80	3.7	<20	28	<45	25 J	26	6.9	1 J	<25	<25	<1.0	<0.9	<0.70	<0.70	7.2	<1.0
2-Butanone (MEK)	78-93-3	50 GV	<5.0	<5.0	260	46	190 J	770	37 J	20 J	<5.0	<5.0	<10	<200	<200	<66	46 J	<1.3	<5.0	<5.0	<250	<250	<1.0	<1.3	<1.9	<1.9	<5.0	<10
Acetone	67-64-1	50 GV	<50.0	200	<100	9.8 J	81 J	480	<60	19 J	<5.0	<80	<10	<200	<200	<150	39 J	<3.0	<5.0	<5.0	<250	<250	3.2 J	<3.0	<1.5	<1.5	<5.0	3.0 J
Benzene	71-43-2	1	11	4 J	<100	2.7	<20	<20	<8.2	3.2 J	<5.0	<80	1	<20	<20	<21	<3.2	1.6	45	<5.0	<25	<25	2.8	0.86 J	<0.16	<0.16	47	2.9
n-Butylbenzene	104-51-8	5	<5.0	<5.0	<100	<1.0	<20	<20	<13	NA	<5.0	<80	<1.0	<20	<20	<32	NA	<0.64	<5.0	<5.0	<25	<25	<1.0	<0.64	NA	NA	<5.0	<1.0
sec-Butylbenzene	135-98-8	5	<5.0	<5.0	<100	<1.0	<20	<20	<15	NA	<5.0	<80	<1.0	<20	<20	<38	NA	<0.75	1.5 J	<5.0	<25	<25	<1.0	<0.75	NA	NA	1.5 J	<1.0
tert-Butylbenzene	98-06-6	5	<5.0	<5.0	<100	<1.0	<20	<20	<16	NA	<5.0	<80	<1.0	<20	<20	<41	NA	<0.81	<5.0	<5.0	<25	<25	<1.0	<0.81	NA	NA	<5.0	<1.0
Carbon disulfide	75-15-0	---	<5.0	NA	NA	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA	NA	<1.0	<1.0	NA	NA	NA
Ethylbenzene	100-41-4	5	<5.0	<5.0	<100	<1.0	<20	<20	<15	<7.0	<5.0	<80	<1.0	<20	<20	<37	<14	<0.74	<5.0	<5.0	<25	<25	<1.0	<0.74	<0.70	<0.70	<5.0	<1.0
Hexachlorobutadiene	87-68-3	0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	98-82-8	5	<5.0	NA	NA	NA	NA	NA	<7.0	<7.0	NA	NA	NA	NA	NA	NA	<14	<14	NA	NA	NA	NA	NA	NA	<0.70	<0.70	NA	NA
Methyl tert-butyl ether (MTBE)	1634-04-4	10 GV	2.1 J	1.6 J	<100	<1.0	<20	<20	<3.2	<7.0	<5.0	<80	0.4 J	<20	<20	<8.0	<14	0.48 J	0.78 J	<5.0	<25	<25	0.57 J	0.59 J	<0.70	<0.70	<5.0	0.63 J
n-Propylbenzene	103-65-1	5	<5.0	<5.0	<100	<1.0	<20	<20	<14	NA	<5.0	<80	<1.0	<20	<20	<35	NA	<0.69	1.6 J	<5.0	<25	<25	<1.0	<0.69	NA	NA	1.7 J	<1.0
Tetrachloroethene	127-18-4	5	9700 D	4300 D	3100	1500 D	880	720	94	750	760 D	1900	2400 D	1300	2600 D	3400	1500	2900 D	790 D	11	<25	<25	3.4	3.2	0.44 J	0.48 J	730 D	3.4
Trichloroethene	79-01-6	5	450 DJ	1600 D	1000	240 D	310	350	160	420	120	280	330 D	440	1000	1000	610	900 D	230 D	15	<25	<25	6	4.5	1	1.1	220 D	5.5
Toluene	108-88-3	5	<5.0	<5.0	<100	<1.0	<20	<20	<10	<7.0	<5.0	<80	<1.0	<20	<20	<26	<14	<0.51	<5.0	<5.0	<25	<25	<1.0	<0.51	<0.70	<0.70	0.67 J	<1.0
Vinyl chloride	75-01-4	2	<5.0	1.2 J	28 J	200 D	250	390	320	230 j	<5.0	<80	<1.0	<20	<20	<45	<1.4 j	<0.9	<5.0	<5.0	<25	<25	<1.0	<0.9	<0.07 j	<0.07 j	<5.0	<1.0

Notes:
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* Groundwater Standards are obtained from Title 6 Part 703.5, and Guidance Values are obtained from NYSDEC TOGS (1.1.1) "Ambient Water Quality Standards and Guidance Values".
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[7] DUP-1 samples collected from monitoring well location OSMW-4.

Laboratory Qualifiers:
D Indicates the undiluted analysis exceeded the equipment calibration range. The concentration shown is obtained from a diluted analysis.
J Indicates the concentration shown is an estimated value because the compound was detected below the reporting limit.
j Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

DAILY FIELD REPORTS

DAILY FIELD REPORT

Project Name: 441/442 Waverly Avenue **Project No.:** 28012
Client Name: New Waverly Avenue Associates, LLC **Date:** June 23, 2015
Location: 441/442 Waverly Avenue, Mamaroneck, NY **Weather:** 90°F, Partly cloudy
Inspector: Cody Sargood (CS); Sterling Environmental Engineering, P.C.

Work Description, Comments, Discussion, Problems, Instructions:

Conduct groundwater sampling of offsite monitoring wells OSMW-3 and OSMW-4 and four (4) existing onsite deep monitoring wells GZ-21D, GZ-22D, GZ-23D and B6-OWD.

11:00 AM: CS arrives onsite. CS calibrates and sets up equipment at GZ-21D.
 11:54 AM: CS begins low flow sampling procedure at GZ-21D. Water is clear with a strong sulfur odor.
 12:35 PM: CS samples GZ-21D using a peristaltic pump.
 1:15 PM: CS begins low flow sampling procedure at B6-OWD. Water is clear with no odor observed.
 1:45 PM: CS samples B6-OWD using a peristaltic pump. CS also collects the MS/MSD QA/QC samples from B6-OWD.
 2:20 PM: CS begins low flow sampling procedure at GZ-22D. Water is clear with no odor observed.
 2:50 PM: CS samples GZ-22D using a peristaltic pump.
 3:15 PM: CS finishes work for the day and departs site.
 4:45 PM: Alpha Analytical courier picks up samples for delivery to lab.

Visitors (Name, Affiliation): _____

Signature:  _____

DAILY FIELD REPORT

Project Name: 441/442 Waverly Avenue **Project No.:** 28012
Client Name: New Waverly Avenue Associates, LLC **Date:** June 24, 2015
Location: 441/442 Waverly Avenue, Mamaroneck, NY **Weather:** 85°F, Sunny
Inspector: Cody Sargood (CS); Sterling Environmental Engineering, P.C.

Work Description, Comments, Discussion, Problems, Instructions:

Conduct groundwater sampling of offsite monitoring wells OSMW-3 and OSMW-4 and four (4) existing onsite deep monitoring wells GZ-21D, GZ-22D, GZ-23D and B6-OWD.

8:05 AM: CS arrives onsite. CS calibrates and sets up equipment at OSMW-4.
 8:30 AM: CS begins low flow sampling procedure at OSMW-4. Water is fairly clear with a slight petroleum odor.
 8:55 AM: CS samples OSMW-4 using a peristaltic pump. CS also collects the duplicate sample from OSMW-4.
 9:35 AM: CS begins low flow sampling procedure at OSMW-3. Water is clear with no odor observed.
 10:00 AM: CS samples OSMW-3 using a peristaltic pump.
 10:34 AM: CS begins low flow sampling procedure at GZ-23D. Water is slightly turbid and a slight petroleum odor is observed.
 11:05 AM: CS samples GZ-23D using a peristaltic pump.
 11:40 AM: T.J. Milo of New Waverly Avenue Associates, LLC arrives onsite and departs within five minutes. CS prepares samples for drop off at Alpha Analytical Albany Service Center.
 11:45 AM: CS departs site.

Visitors (Name, Affiliation): _____

Signature:  _____

PURGING/SAMPLING DATA SHEETS

Purging / Sampling Data Sheet

Project: 28012	Site: 441 Waverly Avenue, Mamaroneck, NY	
Well No.: GZ-21D	Date: June 23, 2015	
Well Depth: 44.21 feet	Screen Length: 40-50 feet BGS	
Well Diameter: 1 inch	Casing Type: PVC	
Sampling Device: Peristaltic Pump	Tubing Type: LDPE	
Static Water Level: 8.09 feet	Measuring Point: Top of PVC	
Sampling Personnel: Cody Sargood, Sterling Environmental Engineering, P.C.		

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 0.33ft)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (mS/cm ²) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)
11:54	0.200	8.25	0.16	10.94	16.62	1.576	-309.3	0.27	2.53
11:59	0.175	8.25	0.00	10.53	16.61	1.591	-303.5	0.24	1.82
12:04	0.175	8.26	0.01	9.53	16.42	1.592	-336.2	0.18	2.04
12:09	0.175	8.26	0.00	8.92	16.52	1.590	-299.2	0.17	3.05
12:14	0.180	8.25	+0.01	8.73	16.50	1.591	-290.2	0.17	2.71
12:19	0.180	8.24	+0.01	8.60	16.43	1.590	-305.0	0.16	2.09
12:24	0.175	8.24	0.00	8.52	16.48	1.591	-299.8	0.16	1.75
12:29	0.175	8.23	+0.01	8.49	16.52	1.595	-305.9	0.15	2.51
12:34	0.175	8.23	0.00	8.50	16.54	1.592	-304.2	0.15	2.88
			Total:	0.14					

BGS = below ground surface

Sample obtained at 12:35 pm; clear, strong sulfur odor observed.

Purging / Sampling Data Sheet

Project:	28012	Site:	442 Waverly Avenue, Mamaroneck, NY
Well No.:	GZ-22D	Date:	June 23, 2015
Well Depth:	45.35 feet	Screen Length:	40-45 feet BGS
Well Diameter:	2 inch	Casing Type:	PVC
Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE
Static Water Level:	9.21 feet	Measuring Point:	Top of PVC
Sampling Personnel:	Cody Sargood, Sterling Environmental Engineering, P.C.		

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 0.33ft)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (mS/cm ⁵) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)
2:20	0.200	9.26	0.05	8.85	16.62	0.784	-77.3	2.52	3.89
2:25	0.180	9.26	0.00	8.87	16.56	0.837	-145.8	0.46	2.62
2:30	0.180	9.27	0.01	8.69	16.53	0.840	-129.6	0.39	4.99
2:35	0.180	9.26	+0.01	8.48	16.62	0.849	-143.4	0.33	3.48
2:40	0.180	9.25	+0.01	8.45	16.65	0.850	-135.2	0.30	4.17
2:45	0.180	9.26	0.01	8.45	16.67	0.852	-132.4	0.30	3.02
			Total:	0.05					

BGS = below ground surface

Sample obtained at 2:50 pm; clear, no odor observed.

Purging / Sampling Data Sheet

Project:	28012	Site:	442 Waverly Avenue, Mamaroneck, NY
Well No.:	GZ-23D	Date:	June 24, 2015
Well Depth:	46.95 feet	Screen Length:	40-45 feet BGS
Well Diameter:	2 inches	Casing Type:	PVC
Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE
Static Water Level:	10.06 feet	Measuring Point:	Top of PVC
Sampling Personnel:	Cody Sargood, Sterling Environmental Engineering, P.C.		

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 0.33ft)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (mS/cm ⁵) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)
10:34	0.150	10.14	0.08	8.79	15.97	2.790	-159.8	1.01	164
10:39	0.150	10.15	0.01	8.66	16.05	2.785	-140.2	0.72	132
10:44	0.125	10.14	+0.01	8.32	16.01	2.783	-146.4	0.58	60.2
10:49	0.125	10.14	0.00	8.19	15.88	2.788	-151.8	0.58	12.35
10:54	0.125	10.14	0.00	8.15	15.86	2.793	-154.8	0.59	8.22
10:59	0.125	10.14	0.00	8.11	15.93	2.791	-156.7	0.59	4.49
11:04	0.125	10.14	0.00	8.10	15.97	2.789	-158.7	0.58	3.59
Total:			0.08						

BGS = below ground surface

Sample obtained at 11:05 am; slightly turbid, slight petroleum odor observed.

Purging / Sampling Data Sheet

Project:	28012	Site:	442 Waverly Avenue, Mamaroneck, NY
Well No.:	OSMW-3	Date:	June 24, 2015
Well Depth:	39.4 feet	Screen Length:	29 – 39 feet BGS
Well Diameter:	1 inch	Casing Type:	PVC
Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE
Static Water Level:	9.06 feet	Measuring Point:	Top of PVC
Sampling Personnel:	Cody Sargood, Sterling Environmental Engineering, P.C.		

Time	Pump Rate (L/min.)	*Depth to Water (ft.)	Drawdown (< 0.33 ft)	pH (± 0.1)	Temp. ($^{\circ}\text{C}$) ($\pm 3\%$)	SC ($\text{mS}/\text{cm}^{\circ}$) ($\pm 3\%$)	ORP (mV) (± 10)	DO (mg/L) ($\pm 10\%$)	Turbidity (nTu)($\pm 10\%$)
9:35	0.200	9.09	0.03	7.40	15.08	0.209	61.3	1.47	3.46
9:40	0.150	9.09	0.00	7.21	15.32	0.211	69.3	1.07	2.58
9:45	0.150	9.09	0.00	7.09	15.30	0.210	74.1	0.97	1.99
9:50	0.150	9.09	0.00	7.10	15.25	0.213	75.0	0.95	4.23
9:55	0.150	9.09	0.00	7.11	15.26	0.216	74.5	0.91	2.61
			Total:	0.03					

BGS = below ground surface

Sample obtained at 10:00 am; Clear, no odor observed.

Purging / Sampling Data Sheet

Project: 28012
 Well No.: OSMW-4
 Well Depth: 35.62 feet
 Well Diameter: 1 inch
 Sampling Device: Peristaltic Pump
 Static Water Level: 9.30
 Site: 442 Waverly Avenue, Mamaroneck, NY
 Date: June 24, 2015
 Screen Length: 25-35 feet BGS
 Casing Type: PVC
 Tubing Type: LDPE
 Measuring Point: Top of PVC
 Sampling Personnel: Cody Sargood, Sterling Environmental Engineering, P.C.

Time	Pump Rate (L/min.)	*Depth to Water (ft.)	Drawdown (< 0.33 ft)	pH (± 0.1)	Temp. ($^{\circ}$ C) ($\pm 3\%$)	SC (mS/cm ⁵) ($\pm 3\%$)	ORP (mV) (± 10)	DO (mg/L) ($\pm 10\%$)	Turbidity (nTu)($\pm 10\%$)
8:30	0.125	9.34	0.04	8.01	18.11	1.272	-71.1	2.00	9.64
8:35	0.150	9.34	0.00	7.80	17.44	1.272	-57.6	1.79	5.49
8:40	0.125	9.34	0.00	7.63	17.04	1.268	-57.5	1.67	10.20
8:45	0.125	9.34	0.00	7.62	17.12	1.263	-59.4	1.68	10.82
8:50	0.125	9.34	0.00	7.63	17.16	1.262	-60.6	1.76	9.87

Total: 0.04

BGS = below ground surface

Sample obtained at 8:55 am; Fairly clear, very slight petroleum odor observed. The duplicate sample was collected at this location.

Purging / Sampling Data Sheet

Project:	28012	Site:	441 Waverly Avenue, Mamaroneck, NY
Well No.:	B6-OWD	Date:	June 23, 2015
Well Depth:	35.3 feet	Screen Length:	N/A
Well Diameter:	2 inch	Casing Type:	PVC
Sampling Device:	Peristaltic Pump	Tubing Type:	LDPE
Static Water Level:	9.09 feet	Measuring Point:	Top of PVC * PVC Uneven
Sampling Personnel:	Cody Sargood, Sterling Environmental Engineering, P.C.		

Time	Pump Rate (L/min.)	Depth to Water (ft.)	Drawdown (< 0.33ft)	pH (± 0.1)	Temp. (°C) (± 3%)	SC (mS/cm ²) (± 3%)	ORP (mV) (± 10)	DO (mg/L) (± 10%)	Turbidity (nTu)(± 10%)
1:15	0.190	9.12	0.03	7.92	15.27	1.413	-7.3	1.40	2.93
1:20	0.190	9.12	0.00	7.90	15.08	1.453	2.4	0.68	2.59
1:25	0.190	9.12	0.00	7.79	15.11	1.546	3.9	0.56	3.36
1:30	0.190	9.12	0.00	7.71	15.05	1.555	3.9	0.54	2.10
1:35	0.190	9.12	0.00	7.70	15.15	1.561	1.2	0.52	2.89
1:40	0.190	9.12	0.00	7.69	15.19	1.554	4.4	0.52	2.55
			Total:	0.03					

Sample obtained at 1:45 pm; Clear, no odor observed.

DATA USABILITY SUMMARY REPORTS (DUSR)



Geology

Hydrology

Remediation

Water Supply

July 9, 2015

Mr. Cody M. Sargood
Assistant Engineer
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: Data Validation Report
Waverly Avenue
June 2015 Ground Water Sampling Event

Dear Mr. Sargood:

The data usability summary reports (DUSRs) and QA/QC reviews are attached to this letter for the above referenced project sampling event. The data for Alpha Analytical Labs, lab numbers L1514242 and L1514378 were acceptable with some minor issues that are identified and discussed in the validation summaries. There were no data that were flagged unusable (R) in the data packs.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Alpha Analytical Labs
Lab Number: L1514242**

**3 Ground Water Samples and 1 Trip Blank
Collected June 23, 2015**

Prepared by: Donald Anné
July 9, 2015

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results volatile analyses for 3 ground water samples and 1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical method.

The data are mostly acceptable with some minor issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile results for chloromethane and methyl acetate were flagged as “estimated” (J) in all 3 ground water samples and the trip blank because 2 of 2 percent recoveries for chloromethane and methyl acetate were below QC limits in the associated aqueous LCS/LCSD.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Method 8260B Volatiles
Data for Alpha Analytical Labs
Lab Number: L1514242**

**3 Ground Water Samples and 1 Trip Blank
Collected June 23, 2015**

Prepared by: Donald Anné
July 9, 2015

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for chloromethane, methyl acetate, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone were above the allowable maximum (25%) on 06-28-15 (0628A02.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of method and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: Three of fifty-one relative percent differences for target compounds were above the allowable maximum and 5 of 104 percent recoveries were outside QC limits for aqueous MS/MSD sample B6-OWD. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for chloromethane and methyl acetate were below QC limits for aqueous samples WG798120-1LCS and WG798120-2LCSD. Positive and “not detected” for chloromethane and methyl acetate should be considered estimated (J) in associated aqueous samples.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Alpha Analytical Labs
Lab Number: L1514378**

**3 Ground Water Samples and 1 Field Duplicate
Collected June 24, 2015**

Prepared by: Donald Anné
July 9, 2015

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results volatile analyses for 3 ground water samples and 1 field duplicate.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did not fulfill the requirements of the analytical method.

The data are mostly acceptable with some minor issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Positive volatile result for vinyl chloride was flagged as estimated (J) in sample GZ-23D because the %D for the CCC vinyl chloride was above the method maximum in the associated continuing calibration.
- The “not detected” volatile results for vinyl chloride were flagged as estimated (J) in samples OS-MW4, OS-MW3, and DUP because the %D for the CCC vinyl chloride was above the method maximum in the associated continuing calibration.
- The “not detected” volatile results for chloromethane were flagged as “estimated” (J) in all 3 ground water samples and the field duplicate because 2 of 2 percent recoveries for chloromethane were below QC limits in the associated aqueous LCS/LCSD.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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Geology
Hydrology
Remediation
Water Supply

**QA/QC Review of Method 8260B Volatiles
Data for Alpha Analytical Labs
Lab Number: L1514378**

**3 Ground Water Samples and 1 Field Duplicate
Collected June 24, 2015**

Prepared by: Donald Anné
July 9, 2015

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs were within method 8260B criteria. The %D for CCC vinyl chloride was above the method maximum (20%) on 06-29-15 (0629A01.D). Samples associated with this calibration should have been re-analyzed with a method compliant calibration. Positive and “not detected” results for vinyl chloride should be considered estimated (J) in associated samples.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for chloromethane, vinyl chloride, bromomethane, 1,4-dioxane, 2-hexanone, and 1,2-dibromo-3-chloropropane were above the allowable maximum (25%) on 06-29-15 (0629A01.D). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analysis of method the blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples.

Matrix Spike/Matrix Spike Duplicate: Three of fifty-one relative percent differences for target compounds were above the allowable maximum and 5 of 104 percent recoveries were outside QC limits for aqueous MS/MSD sample B6-OWD. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples. (This data is from lab number L1514242.)

Laboratory Control Sample: The relative percent difference for 1,4-dioxane was above the allowable maximum and 2 of 2 percent recoveries for chloromethane were below QC limits for aqueous samples WG798296-1LCS and WG798296-2LCSD. Positive results for 1,4-dioxane and chloromethane and the “not detected” for chloromethane should be considered estimated (J) in associated aqueous samples.

Field Duplicates: The relative percent difference for trichloroethene was below the allowable maximum (20%) for aqueous field duplicate pair OS-MW4/DUP (attached table), as required.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L1514378

S1= OS-MW4

S2= DUP

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
tetrachloroethene	0.44	0.48	NC
trichloroethene	1.0	1.1	10%
cis-1,2-dichloroethene	1.2	1.2	NC
cyclohexane	2.2	2.3	NC
methyl cyclohexane	0.85	0.92	NC

* RPD is above the allowable maximum (20%)

All results are in ug/L

Bold numbers were values that below the CRQL or above the high standard.

ND - Not detected.

NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs
SDG No.: L1514378
Lab Control Sample: WG798296-1LCS

Matrix: Water
Injected: 06/29/15 09:04 Lab File ID: 0629A01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Methylene chloride	10	NA	9.3	93	70-130
1,1-Dichloroethane	10	NA	9.3	93	70-130
Chloroform	10	NA	9.2	92	70-130
2-Chloroethylvinyl ether	10	NA	9.7	97	70-130
Carbontetrachloride	10	NA	10.	100	63-132
1,2-Dichloropropane	10	NA	9.8	98	70-130
Chlorodibromomethane	10	NA	9.9	99	63-130
1,1,2-Trichloroethane	10	NA	10.	100	70-130
Tetrachloroethene	10	NA	11.	110	70-130
Chlorobenzene	10	NA	9.9	99	75-130
Trichlorofluoromethane	10	NA	7.7	77	62-150
1,2-Dichloroethane	10	NA	9.1	91	70-130
1,1,1-Trichloroethane	10	NA	9.5	95	67-130
Bromodichloromethane	10	NA	9.4	94	67-130
trans-1,3-Dichloropropene	10	NA	9.9	99	70-130
cis-1,3-Dichloropropene	10	NA	9.9	99	70-130
1,1-Dichloropropene	10	NA	9.4	94	70-130
Bromoform	10	NA	10.	100	54-136
1,1,2,2,-Tetrachloroetha	10	NA	8.9	89	67-130
Benzene	10	NA	10.	105	70-130
Toluene	10	NA	9.7	97	70-130
Ethyl benzene	10	NA	9.7	97	70-130
Chloromethane	10	NA	6.3	63*	64-130
Bromomethane	10	NA	6.0	60	39-139
Vinyl chloride	10	NA	7.2	72	55-140
Chloroethane	10	NA	9.6	96	55-138
1,1,-Dichloroethene	10	NA	9.4	94	61-145
trans-1,2-Dichloroethene	10	NA	10.	102	70-130
Trichloroethene	10	NA	9.7	97	70-130
1,2-Dichlorobenzene	10	NA	9.3	93	70-130
1,3-Dichlorobenzene	10	NA	9.4	94	70-130
1,4-Dichlorobenzene	10	NA	9.4	94	70-130
Methyl tert butyl ether	10	NA	10.	100	63-130
p/m xylene	20	NA	20.	99	70-130
o Xylene	20	NA	20.	99	70-130
cis-1,2-Dichloroethene	10	NA	10.	101	70-130
Dibromomethane	10	NA	9.8	98	70-130
1,2,3-Trichloropropane	10	NA	8.8	88	64-130
Acrylonitrile	10	NA	9.2	92	70-130
Diisopropyl Ether	10	NA	8.6	86	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514378

Lab Control Sample: WG798296-1LCS

Matrix: Water

Injected: 06/29/15 09:04

Lab File ID: 0629A01.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
tert-Butyl Alcohol	50	NA	42.	85	70-130
Styrene	20	NA	21.	103	70-130
Dichlorodifluoromethane	10	NA	8.5	85	36-147
Acetone	10	NA	8.6	86	58-148
Carbon disulfide	10	NA	8.4	84	51-130
2-Butanone	10	NA	10.	103	63-138
Vinyl acetate	10	NA	7.1	71	70-130
4-Methyl-2-pentanone	10	NA	8.7	87	59-130
2-Hexanone	10	NA	6.4	64	57-130
Bromochloromethane	10	NA	11.	107	70-130
2,2-Dichloropropane	10	NA	11.	108	63-133
1,2-Dibromoethane	10	NA	9.9	99	70-130
1,3-Dichloropropane	10	NA	9.7	97	70-130
1,1,1,2-Tetrachloroethan	10	NA	10.	104	64-130
Bromobenzene	10	NA	9.7	97	70-130
n-Butylbenzene	10	NA	8.7	87	53-136
sec-Butylbenzene	10	NA	8.8	88	70-130
tert-Butylbenzene	10	NA	8.9	89	70-130
2-Chlorotoluene	10	NA	8.5	85	70-130
4-Chlorotoluene	10	NA	8.9	89	70-130
1,2-Dibromo-3-chloroprop	10	NA	7.1	71	41-144
Hexachlorobutadiene	10	NA	8.6	86	63-130
Isopropylbenzene	10	NA	9.0	91	70-130
p-Isopropyltoluene	10	NA	9.0	90	70-130
Naphthalene	10	NA	8.0	80	70-130
n-Propylbenzene	10	NA	9.2	92	69-130
1,2,3-Trichlorobenzene	10	NA	8.2	82	70-130
1,2,4-Trichlorobenzene	10	NA	8.9	89	70-130
1,3,5-Trimethylbenzene	10	NA	9.2	92	64-130
1,2,4-Trimethylbenzene	10	NA	9.2	93	70-130
Methyl Acetate	10	NA	8.8	88	70-130
Ethyl Acetate	10	NA	8.1	81	70-130
Cyclohexane	10	NA	9.3	93	70-130
Ethyl-Tert-Butyl-Ether	10	NA	9.6	96	70-130
Tertiary-Amyl Methyl Eth	10	NA	9.6	96	66-130
1,4-Dioxane	500	NA	370	73	56-162
Freon-113	10	NA	9.5	95	70-130
p-Diethylbenzene	10	NA	9.2	92	70-130
4-Ethyltoluene	10	NA	9.4	94	70-130
1,2,4,5-Tetramethylbenze	10	NA	9.8	98	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514378

Lab Control Sample: WG798296-1LCS

Lab Control Dup : WG798296-2LCS

Matrix: Water

Injected: 06/29/15 09:04

Lab File ID: 0629A01.D

Injected: 06/29/15 09:39

Lab File ID: 0629A02.D

COMPOUND	SPIKE	LCSD	LCSD	%	%	QC LIMITS	
	ADDED	CONCENTRATION	%			RPD	RPD
	(ug/l)	(ug/l)	REC				
Methylene chloride	10	8.8	88	6	20	70-130	
1,1-Dichloroethane	10	8.9	89	4	20	70-130	
Chloroform	10	8.9	89	3	20	70-130	
2-Chloroethylvinyl ether	10	9.3	93	4	20	70-130	
Carbontetrachloride	10	9.7	97	3	20	63-132	
1,2-Dichloropropane	10	9.4	94	4	20	70-130	
Chlorodibromomethane	10	9.3	93	6	20	63-130	
1,1,2-Trichloroethane	10	9.7	97	3	20	70-130	
Tetrachloroethene	10	11.	106	4	20	70-130	
Chlorobenzene	10	9.3	93	6	20	75-130	
Trichlorofluoromethane	10	7.7	77	0	20	62-150	
1,2-Dichloroethane	10	8.6	86	6	20	70-130	
1,1,1-Trichloroethane	10	9.0	90	5	20	67-130	
Bromodichloromethane	10	8.8	88	7	20	67-130	
trans-1,3-Dichloropropen	10	9.3	93	6	20	70-130	
cis-1,3-Dichloropropene	10	9.5	95	4	20	70-130	
1,1-Dichloropropene	10	9.1	91	3	20	70-130	
Bromoform	10	9.5	95	5	20	54-136	
1,1,2,2,-Tetrachloroetha	10	8.6	86	3	20	67-130	
Benzene	10	10.	100	5	20	70-130	
Toluene	10	9.2	93	4	20	70-130	
Ethyl benzene	10	9.2	92	5	20	70-130	
Chloromethane	10	5.7	57 *	10	20	64-130	
Bromomethane	10	6.0	60	0	20	39-139	
Vinyl chloride	10	6.8	68	6	20	55-140	
Chloroethane	10	8.8	89	8	20	55-138	
1,1,-Dichloroethene	10	9.1	91	3	20	61-145	
trans-1,2-Dichloroethene	10	9.7	97	5	20	70-130	
Trichloroethene	10	9.4	94	3	20	70-130	
1,2-Dichlorobenzene	10	8.7	87	7	20	70-130	
1,3-Dichlorobenzene	10	8.7	87	8	20	70-130	
1,4-Dichlorobenzene	10	8.8	88	7	20	70-130	
Methyl tert butyl ether	10	9.9	99	1	20	63-130	
p/m xylene	20	19.	93	6	20	70-130	
o Xylene	20	18.	93	6	20	70-130	
cis-1,2-Dichloroethene	10	9.6	96	5	20	70-130	
Dibromomethane	10	9.5	95	3	20	70-130	
1,2,3-Trichloropropane	10	8.4	84	5	20	64-130	
Acrylonitrile	10	8.7	87	6	20	70-130	
Diisopropyl Ether	10	8.3	83	4	20	70-130	

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514378

Lab Control Sample: WG798296-1LCS

Lab Control Dup : WG798296-2LCSD

Matrix: Water

Injected: 06/29/15 09:04

Injected: 06/29/15 09:39

Lab File ID: 0629A01.D

Lab File ID: 0629A02.D

COMPOUND	SPIKE	LCSD	LCSD	%	%	QC LIMITS	
	ADDED	CONCENTRATION	%			RPD	REC.
	(ug/l)	(ug/l)	REC	RPD	RPD	REC.	
tert-Butyl Alcohol	50	48.	97	13	20	70-130	
Styrene	20	19.	96	7	20	70-130	
Dichlorodifluoromethane	10	7.8	78	9	20	36-147	
Acetone	10	8.4	84	2	20	58-148	
Carbon disulfide	10	7.9	79	6	20	51-130	
2-Butanone	10	10.	101	2	20	63-138	
Vinyl acetate	10	7.0	70	1	20	70-130	
4-Methyl-2-pentanone	10	8.3	83	5	20	59-130	
2-Hexanone	10	6.3	63	2	20	57-130	
Bromochloromethane	10	10.	102	5	20	70-130	
2,2-Dichloropropane	10	10.	103	5	20	63-133	
1,2-Dibromoethane	10	9.4	94	5	20	70-130	
1,3-Dichloropropane	10	9.4	94	3	20	70-130	
1,1,1,2-Tetrachloroethan	10	9.8	98	6	20	64-130	
Bromobenzene	10	9.0	90	7	20	70-130	
n-Butylbenzene	10	7.9	79	10	20	53-136	
sec-Butylbenzene	10	8.2	82	7	20	70-130	
tert-Butylbenzene	10	8.2	82	8	20	70-130	
2-Chlorotoluene	10	7.9	79	7	20	70-130	
4-Chorotoluene	10	8.4	84	6	20	70-130	
1,2-Dibromo-3-chloroprop	10	7.0	70	1	20	41-144	
Hexachlorobutadiene	10	8.2	82	5	20	63-130	
Isopropylbenzene	10	8.4	84	8	20	70-130	
p-Isopropyltoluene	10	8.4	84	7	20	70-130	
Naphthalene	10	7.5	75	6	20	70-130	
n-Propylbenzene	10	8.5	85	8	20	69-130	
1,2,3-Trichlorobenzene	10	7.9	79	4	20	70-130	
1,2,4-Trichlorobenzene	10	8.3	83	7	20	70-130	
1,3,5-Trimethylbenzene	10	8.5	85	8	20	64-130	
1,2,4-Trimethylbenzene	10	8.4	84	10	20	70-130	
Methyl Acetate	10	8.7	87	1	20	70-130	
Ethyl Acetate	10	8.2	82	1	20	70-130	
Cyclohexane	10	8.9	89	4	20	70-130	
Ethyl-Tert-Butyl-Ether	10	9.3	93	3	20	70-130	
Tertiary-Amyl Methyl Eth	10	9.4	94	2	20	66-130	
1,4-Dioxane	500	470	94	25 *	20	56-162	
Freon-113	10	9.4	94	1	20	70-130	
p-Diethylbenzene	10	8.4	85	8	20	70-130	
4-Ethyltoluene	10	8.6	86	9	20	70-130	
1,2,4,5-Tetramethylbenze	10	8.6	86	13	20	70-130	

* Values outside of QC limits.

COMMENTS:

FORM III NYTCL-8260

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 29-JUN-2015 09:04
Lab File ID: 0629A01.D Init. Cal. Date(s): 29-OCT-2014 30-OCT-2014
Analysis Type: WATER Init. Cal. Times: 20:55 02:43
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\\ff\\chem\\GCMSVOA\\Elaine.i\\150629.b\\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
11 dichlorodifluoromethane	0.17014	0.14515	0.050	-14.68760	20.00000	Averaged
12 chloromethane	0.36977	0.23270	0.050	-37.06952	20.00000	Averaged <-
13 vinyl chloride	0.25176	0.18213	0.050	-27.65771	20.00000	Averaged <-
14 bromomethane	0.22109	0.13215	0.050	-40.22920	20.00000	Averaged <-
15 chloroethane	0.20500	0.19580	0.050	-4.48820	20.00000	Averaged
16 trichlorofluoromethane	0.37226	0.28755	0.050	-22.75672	20.00000	Averaged <-
17 ethyl ether	0.11019	0.12492	0.050	13.36547	20.00000	Averaged
18 freon-113	0.21839	0.20712	0.050	-5.15686	20.00000	Averaged
19 acetone	0.05373	0.04618	0.050	-14.06461	20.00000	Averaged <-
11 1,1,-dichloroethene	0.22554	0.21199	0.050	-6.00547	20.00000	Averaged
12 Tert-Butyl Alcohol	0.01008	0.00856	0.050	-15.06078	20.00000	Averaged <-
13 iodomethane	0.24963	0.11729	0.001	53.01475	20.00000	Averaged <-
14 Methyl Acetate	0.11887	0.10466	0.050	-11.95151	20.00000	Averaged
16 methylene chloride	0.29353	0.27369	0.050	-6.76011	20.00000	Averaged
17 carbon disulfide	0.74076	0.62376	0.050	-15.79420	20.00000	Averaged
18 acrylonitrile	0.07339	0.06748	0.050	-8.05097	20.00000	Averaged
19 methyl tert butyl ether	0.49892	0.49831	0.050	-0.12176	20.00000	Averaged
20 trans-1,2-dichloroethene	0.24775	0.25238	0.050	1.86771	20.00000	Averaged
23 Diisopropyl Ether	0.99898	0.86290	0.050	-13.62254	20.00000	Averaged
24 vinyl acetate	0.44601	0.31708	0.050	-28.90632	20.00000	Averaged <-
25 1,1-dichloroethane	0.50655	0.46985	0.050	-7.24585	20.00000	Averaged
26 Ethyl-Tert-Butyl-Ether	0.70678	0.67949	0.050	-3.86079	20.00000	Averaged
27 2-butanone	0.07759	0.08017	0.050	3.31931	20.00000	Averaged
28 2,2-dichloropropane	0.30376	0.32912	0.050	8.34734	20.00000	Averaged
29 Ethyl Acetate	0.17077	0.13773	0.050	-19.35221	20.00000	Averaged
30 cis-1,2-dichloroethene	0.28344	0.28515	0.050	0.60093	20.00000	Averaged
33 chloroform	0.44877	0.41388	0.050	-7.77617	20.00000	Averaged
34 bromochloromethane	0.10926	0.11718	0.050	7.24776	20.00000	Averaged
35 tetrahydrofuran	0.05331	0.04341	0.050	-18.56823	20.00000	Averaged <-
36 dibromofluoromethane	0.22559	0.21482	0.050	-4.77333	20.00000	Averaged
37 1,1,1-trichloroethane	0.38614	0.36707	0.050	-4.93951	20.00000	Averaged
38 Cyclohexane	0.54216	0.50297	0.050	-7.22817	20.00000	Averaged
39 1,1-dichloropropene	0.37912	0.35593	0.050	-6.11739	20.00000	Averaged
40 Tertiary-Amyl Methyl Ether	0.55440	0.53332	0.050	-3.80346	20.00000	Averaged
41 carbontetrachloride	0.30853	0.30723	0.050	-0.42085	20.00000	Averaged
42 1,2-dichloroethane-d4	0.25018	0.21704	0.050	-13.24638	20.00000	Averaged
44 1,2-dichloroethane	0.31978	0.29023	0.050	-9.24061	20.00000	Averaged
45 benzene	1.06814	1.11844	0.050	4.70952	20.00000	Averaged
48 trichloroethene	0.27922	0.27175	0.050	-2.67504	20.00000	Averaged
49 methyl cyclohexane	0.50370	0.49725	0.050	-1.28074	20.00000	Averaged
50 1,2-dichloropropane	0.28933	0.28270	0.050	-2.29218	20.00000	Averaged
51 bromodichloromethane	0.33375	0.31339	0.050	-6.10039	20.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 29-JUN-2015 09:04
Lab File ID: 0629A01.D Init. Cal. Date(s): 29-OCT-2014 30-OCT-2014
Analysis Type: WATER Init. Cal. Times: 20:55 02:43
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\\ff\\chem\\GCMSVOA\\Elaine.i\\150629.b\\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	MIN	MAX	
			RRF	%D / %DRIFT	%D / %DRIFT CURVE TYPE
152 1,4-Dioxane	0.00168	0.00123	0.050	-26.66804	20.00000 Averaged <-
154 dibromomethane	0.12429	0.12185	0.050	-1.96493	20.00000 Averaged
157 2-Chloroethylvinyl ether	0.13185	0.12775	0.050	-3.10954	20.00000 Averaged
158 4-methyl-2-pentanone	0.06780	0.05886	0.050	-13.17894	20.00000 Averaged
159 cis-1,3-dichloropropene	0.38676	0.38380	0.050	-0.76483	20.00000 Averaged
160 toluene-d8	1.28915	1.25621	0.050	-2.55465	20.00000 Averaged
161 toluene	0.93085	0.90494	0.050	-2.78345	20.00000 Averaged
162 ethyl-methacrylate	0.30442	0.28925	0.050	-4.98193	20.00000 Averaged
163 trans-1,3-dichloropropene	0.37534	0.37047	0.050	-1.29702	20.00000 Averaged
164 2-hexanone	0.16060	0.10212	0.050	36.41197	20.00000 Averaged <-
165 1,1,2-trichloroethane	0.19109	0.19061	0.050	-0.25188	20.00000 Averaged
166 1,3-dichloropropane	0.42604	0.41311	0.050	-3.03456	20.00000 Averaged
167 tetrachloroethene	0.32668	0.35973	0.050	10.11778	20.00000 Averaged
168 chlorodibromomethane	0.25601	0.25270	0.050	-1.29446	20.00000 Averaged
169 1,2-dibromoethane	0.21777	0.21502	0.050	-1.26504	20.00000 Averaged
171 chlorobenzene	0.99405	0.98303	0.050	-1.10862	20.00000 Averaged
172 1,1,1,2-tetrachloroethane	0.29091	0.30423	0.050	4.58050	20.00000 Averaged
173 ethyl benzene	1.80403	1.75490	0.050	-2.72372	20.00000 Averaged
174 p/m xylene	0.68505	0.67707	0.050	-1.16368	20.00000 Averaged
175 o xylene	0.66263	0.65489	0.050	-1.16737	20.00000 Averaged
176 styrene	1.04884	1.08267	0.050	3.22479	20.00000 Averaged
177 isopropylbenzene	3.49287	3.16338	0.050	-9.43317	20.00000 Averaged
178 bromoform	0.25204	0.25279	0.050	0.30022	20.00000 Averaged
179 1,4-dichloro-2-butane	0.96832	0.83455	0.050	-13.81413	20.00000 Averaged
180 1,1,2,2-tetrachloroethane	0.54604	0.48538	0.050	-11.10933	20.00000 Averaged
181 4-bromofluorobenzene	1.09115	0.97979	0.050	-10.20594	20.00000 Averaged
182 1,2,3-trichloropropane	0.42382	0.37411	0.050	-11.72781	20.00000 Averaged
183 trans-1,4-dichloro-2-butene	0.15968	0.13106	0.050	-17.92554	20.00000 Averaged
184 n-propylbenzene	4.18407	3.84823	0.050	-8.02653	20.00000 Averaged
185 bromobenzene	0.74983	0.72764	0.050	-2.95924	20.00000 Averaged
186 4-ethyltoluene	3.59039	3.37039	0.050	-6.12740	20.00000 Averaged
187 1,3,5-trimethylbenzene	2.88222	2.64857	0.050	-8.10669	20.00000 Averaged
188 2-chlorotoluene	2.66138	2.26560	0.050	-14.87128	20.00000 Averaged
189 4-chlorotoluene	2.59332	2.31628	0.050	-10.68309	20.00000 Averaged
190 tert-butylbenzene	2.55282	2.28190	0.050	-10.61267	20.00000 Averaged
191 1,2,4-trimethylbenzene	2.82045	2.61120	0.050	-7.41907	20.00000 Averaged
192 sec-butylbenzene	3.78055	3.32992	0.050	-11.91954	20.00000 Averaged
193 p-isopropyltoluene	3.09986	2.80268	0.050	-9.58703	20.00000 Averaged
194 1,3-dichlorobenzene	1.53442	1.44988	0.050	-5.50908	20.00000 Averaged
196 1,4-dichlorobenzene	1.52220	1.43149	0.050	-5.95968	20.00000 Averaged
197 n-butylbenzene	3.45646	2.99721	0.050	-13.28673	20.00000 Averaged
198 p-Diethylbenzene	1.87502	1.72617	0.050	-7.93837	20.00000 Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 29-JUN-2015 09:04
Lab File ID: 0629A01.D Init. Cal. Date(s): 29-OCT-2014 30-OCT-2014
Analysis Type: WATER Init. Cal. Times: 20:55 02:43
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\150629.b\liq8260C.m

COMPOUND	MIN		MAX		CURVE TYPE
	RRF / AMOUNT	RF100	RRF	%D / %DRIFT	
99 1,2-dichlorobenzene	1.33833	1.24328	0.050	-7.10183	Averaged
100 1,2,4,5-tetramethylbenzene	2.08665	2.03665	0.050	-2.39643	Averaged
101 1,2-dibromo-3-chloropropane	0.08126	0.05773	0.050	-28.95164	Averaged<-
102 1,3,5-trichlorobenzene	0.85168	0.81316	0.050	-4.52307	Averaged
103 1,2,4-trichlorobenzene	0.66415	0.59025	0.050	-11.12671	Averaged
104 hexachlorobutadiene	0.31850	0.27513	0.050	-13.61682	Averaged
105 naphthalene	1.07820	0.86032	0.050	-20.20789	Averaged<-
106 1,2,3-trichlorobenzene	0.51379	0.42196	0.050	-17.87256	Averaged

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Lab Control Sample: WG798120-1LCS

Matrix: Water

Injected: 06/28/15 13:01

Lab File ID: 0628A02.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Methylene chloride	10	NA	10.	101	70-130
1,1-Dichloroethane	10	NA	10.	100	70-130
Chloroform	10	NA	11.	112	70-130
2-Chloroethylvinyl ether	10	NA	6.4	64*	70-130
Carbontetrachloride	10	NA	12.	119	63-132
1,2-Dichloropropane	10	NA	9.6	96	70-130
Chlorodibromomethane	10	NA	10.	105	63-130
1,1,2-Trichloroethane	10	NA	11.	107	70-130
Tetrachloroethene	10	NA	11.	106	70-130
Chlorobenzene	10	NA	11.	110	75-130
Trichlorofluoromethane	10	NA	12.	118	62-150
1,2-Dichloroethane	10	NA	10.	102	70-130
1,1,1-Trichloroethane	10	NA	11.	110	67-130
Bromodichloromethane	10	NA	11.	108	67-130
trans-1,3-Dichloropropene	10	NA	10.	105	70-130
cis-1,3-Dichloropropene	10	NA	10.	101	70-130
1,1-Dichloropropene	10	NA	11.	109	70-130
Bromoform	10	NA	10.	103	54-136
1,1,2,2,-Tetrachloroetha	10	NA	10.	104	67-130
Benzene	10	NA	10.	105	70-130
Toluene	10	NA	11.	114	70-130
Ethyl benzene	10	NA	12.	115	70-130
Chloromethane	10	NA	6.3	63*	64-130
Bromomethane	10	NA	12.	118	39-139
Vinyl chloride	10	NA	8.7	87	55-140
Chloroethane	10	NA	12.	115	55-138
1,1,-Dichloroethene	10	NA	10.	101	61-145
trans-1,2-Dichloroethene	10	NA	10.	104	70-130
Trichloroethene	10	NA	11.	109	70-130
1,2-Dichlorobenzene	10	NA	10.	105	70-130
1,3-Dichlorobenzene	10	NA	11.	108	70-130
1,4-Dichlorobenzene	10	NA	11.	108	70-130
Methyl tert butyl ether	10	NA	9.0	90	63-130
p/m xylene	20	NA	23.	114	70-130
o Xylene	20	NA	23.	113	70-130
cis-1,2-Dichloroethene	10	NA	10.	103	70-130
Dibromomethane	10	NA	10.	100	70-130
1,2,3-Trichloropropane	10	NA	11.	107	64-130
Acrylonitrile	10	NA	6.9	69*	70-130
Diisopropyl Ether	10	NA	7.2	72	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Lab Control Sample: WG798120-1LCS

Matrix: Water

Injected: 06/28/15 13:01

Lab File ID: 0628A02.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
tert-Butyl Alcohol	50	NA	41.	83	70-130
Styrene	20	NA	23.	114	70-130
Dichlorodifluoromethane	10	NA	7.9	79	36-147
Acetone	10	NA	8.6	86	58-148
Carbon disulfide	10	NA	9.6	96	51-130
2-Butanone	10	NA	7.4	74	63-138
Vinyl acetate	10	NA	7.8	79	70-130
4-Methyl-2-pentanone	10	NA	6.9	69	59-130
2-Hexanone	10	NA	6.5	65	57-130
Bromochloromethane	10	NA	10.	100	70-130
2,2-Dichloropropane	10	NA	12.	117	63-133
1,2-Dibromoethane	10	NA	9.8	98	70-130
1,3-Dichloropropane	10	NA	11.	107	70-130
1,1,1,2-Tetrachloroethane	10	NA	11.	111	64-130
Bromobenzene	10	NA	10.	106	70-130
n-Butylbenzene	10	NA	12.	121	53-136
sec-Butylbenzene	10	NA	12.	118	70-130
tert-Butylbenzene	10	NA	11.	113	70-130
2-Chlorotoluene	10	NA	12.	122	70-130
4-Chlorotoluene	10	NA	12.	119	70-130
1,2-Dibromo-3-chloropropane	10	NA	11.	108	41-144
Hexachlorobutadiene	10	NA	12.	117	63-130
Isopropylbenzene	10	NA	11.	114	70-130
p-Isopropyltoluene	10	NA	11.	114	70-130
Naphthalene	10	NA	8.2	82	70-130
n-Propylbenzene	10	NA	12.	120	69-130
1,2,3-Trichlorobenzene	10	NA	9.5	96	70-130
1,2,4-Trichlorobenzene	10	NA	9.8	98	70-130
1,3,5-Trimethylbenzene	10	NA	12.	119	64-130
1,2,4-Trimethylbenzene	10	NA	12.	118	70-130
Methyl Acetate	10	NA	6.2	62*	70-130
Ethyl Acetate	10	NA	6.2	NA 62*	70-130
Cyclohexane	10	NA	8.2	82	70-130
Ethyl-Tert-Butyl-Ether	10	NA	8.3	83	70-130
Tertiary-Amyl Methyl Eth	10	NA	9.2	92	66-130
1,4-Dioxane	500	NA	490	99	56-162
Freon-113	10	NA	10.	103	70-130
p-Diethylbenzene	10	NA	11.	113	70-130
4-Ethyltoluene	10	NA	12.	117	70-130
1,2,4,5-Tetramethylbenzene	10	NA	11.	108	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Lab Control Sample: WG798120-1LCS

Lab Control Dup : WG798120-2LCSD

Matrix: Water

Injected: 06/28/15 13:01

Injected: 06/28/15 13:31

Lab File ID: 0628A02.D

Lab File ID: 0628A03.D

COMPOUND	SPIKE	LCSD	LCSD	%	%	QC LIMITS	
	ADDED	CONCENTRATION	%			RPD	REC.
	(ug/l)	(ug/l)	REC		RPD		
Methylene chloride	10	9.8	98		3	20	70-130
1,1-Dichloroethane	10	9.5	95		5	20	70-130
Chloroform	10	10.	106		6	20	70-130
2-Chloroethylvinyl ether	10	6.2	NA 62 *		3	20	70-130
Carbontetrachloride	10	11.	112		6	20	63-132
1,2-Dichloropropane	10	9.3	93		3	20	70-130
Chlorodibromomethane	10	10.	102		3	20	63-130
1,1,2-Trichloroethane	10	10.	103		4	20	70-130
Tetrachloroethene	10	10.	102		4	20	70-130
Chlorobenzene	10	10.	106		4	20	75-130
Trichlorofluoromethane	10	11.	110		7	20	62-150
1,2-Dichloroethane	10	9.7	97		5	20	70-130
1,1,1-Trichloroethane	10	10.	105		5	20	67-130
Bromodichloromethane	10	10.	102		6	20	67-130
trans-1,3-Dichloropropene	10	10.	100		5	20	70-130
cis-1,3-Dichloropropene	10	9.7	97		4	20	70-130
1,1-Dichloropropene	10	10.	104		5	20	70-130
Bromoform	10	10.	103		0	20	54-136
1,1,2,2,-Tetrachloroetha	10	10.	101		3	20	67-130
Benzene	10	10.	100		5	20	70-130
Toluene	10	11.	108		5	20	70-130
Ethyl benzene	10	11.	110		4	20	70-130
Chloromethane	10	6.0	60 *		5	20	64-130
Bromomethane	10	11.	114		3	20	39-139
Vinyl chloride	10	8.2	82		6	20	55-140
Chloroethane	10	11.	110		4	20	55-138
1,1,-Dichloroethene	10	9.6	96		5	20	61-145
trans-1,2-Dichloroethene	10	9.8	98		6	20	70-130
Trichloroethene	10	10.	103		6	20	70-130
1,2-Dichlorobenzene	10	10.	103		2	20	70-130
1,3-Dichlorobenzene	10	10.	104		4	20	70-130
1,4-Dichlorobenzene	10	10.	103		5	20	70-130
Methyl tert butyl ether	10	8.8	88		2	20	63-130
p/m xylene	20	22.	109		4	20	70-130
o Xylene	20	22.	108		5	20	70-130
cis-1,2-Dichloroethene	10	9.9	99		4	20	70-130
Dibromomethane	10	9.6	96		4	20	70-130
1,2,3-Trichloropropane	10	11.	106		1	20	64-130
Acrylonitrile	10	6.6	NA 66 *		4	20	70-130
Diisopropyl Ether	10	6.9	70		3	20	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Lab Control Sample: WG798120-1LCS

Lab Control Dup : WG798120-2LCSD

Matrix: Water

Injected: 06/28/15 13:01

Injected: 06/28/15 13:31

Lab File ID: 0628A02.D

Lab File ID: 0628A03.D

COMPOUND	SPIKE	LCSD	LCSD	% RPD	QC LIMITS	
	ADDED (ug/l)	CONCENTRATION (ug/l)	% REC		RPD	REC.
tert-Butyl Alcohol	50	42.	84	1	20	70-130
Styrene	20	22.	109	4	20	70-130
Dichlorodifluoromethane	10	7.4	74	7	20	36-147
Acetone	10	8.8	88	2	20	58-148
Carbon disulfide	10	9.0	90	6	20	51-130
2-Butanone	10	6.9	69	7	20	63-138
Vinyl acetate	10	7.6	77	3	20	70-130
4-Methyl-2-pentanone	10	6.5	65	6	20	59-130
2-Hexanone	10	6.4	64	2	20	57-130
Bromochloromethane	10	9.7	97	3	20	70-130
2,2-Dichloropropane	10	11.	109	7	20	63-133
1,2-Dibromoethane	10	9.6	96	2	20	70-130
1,3-Dichloropropane	10	10.	103	4	20	70-130
1,1,1,2-Tetrachloroethane	10	11.	107	4	20	64-130
Bromobenzene	10	10.	103	3	20	70-130
n-Butylbenzene	10	12.	116	4	20	53-136
sec-Butylbenzene	10	11.	112	5	20	70-130
tert-Butylbenzene	10	11.	110	3	20	70-130
2-Chlorotoluene	10	12.	118	3	20	70-130
4-Chlorotoluene	10	12.	116	3	20	70-130
1,2-Dibromo-3-chloropropane	10	11.	106	2	20	41-144
Hexachlorobutadiene	10	11.	111	5	20	63-130
Isopropylbenzene	10	11.	110	4	20	70-130
p-Isopropyltoluene	10	11.	110	4	20	70-130
Naphthalene	10	8.0	80	2	20	70-130
n-Propylbenzene	10	11.	115	4	20	69-130
1,2,3-Trichlorobenzene	10	9.3	93	3	20	70-130
1,2,4-Trichlorobenzene	10	9.5	95	3	20	70-130
1,3,5-Trimethylbenzene	10	11.	113	5	20	64-130
1,2,4-Trimethylbenzene	10	11.	112	5	20	70-130
Methyl Acetate	10	6.2	62 *	0	20	70-130
Ethyl Acetate	10	6.0	60 *	3	20	70-130
Cyclohexane	10	7.8	78	5	20	70-130
Ethyl-Tert-Butyl-Ether	10	8.1	81	2	20	70-130
Tertiary-Amyl Methyl Eth	10	8.6	86	7	20	66-130
1,4-Dioxane	500	470	95	4	20	56-162
Freon-113	10	9.6	96	7	20	70-130
p-Diethylbenzene	10	11.	109	4	20	70-130
4-Ethyltoluene	10	11.	113	3	20	70-130
1,2,4,5-Tetramethylbenzene	10	10.	103	5	20	70-130

* Values outside of QC limits.

COMMENTS:

FORM III NYTCL-8260

3A
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Client Sample ID : B6-OWD

Matrix Spike : WG798120-4

Matrix Spike Dup : WG798120-5

Matrix: Water

Injected: 06/28/15 21:59

Injected: 06/28/15 23:29

Injected: 06/28/15 23:59

Lab File ID: 0628A20.D

Lab File ID: 0628A23.D

Lab File ID: 0628A24.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Methylene chloride	10	ND	10.	105	70-130
1,1-Dichloroethane	10	ND	10.	106	70-130
Chloroform	10	ND	12.	117	70-130
Carbontetrachloride	10	ND	11.	112	63-132
1,2-Dichloropropane	10	ND	9.8	98	70-130
Chlorodibromomethane	10	ND	10.	105	63-130
1,1,2-Trichloroethane	10	ND	11.	109	70-130
Tetrachloroethene	10	2.4	12.	99	70-130
Chlorobenzene	10	ND	11.	109	75-130
Trichlorofluoromethane	10	ND	11.	114	62-150
1,2-Dichloroethane	10	0.36J	11.	107	70-130
1,1,1-Trichloroethane	10	ND	11.	114	67-130
Bromodichloromethane	10	ND	11.	110	67-130
trans-1,3-Dichloropropene	10	ND	10.	100	70-130
cis-1,3-Dichloropropene	10	ND	9.7	97	70-130
1,1-Dichloropropene	10	ND	11.	106	70-130
Bromoform	10	ND	10.	102	54-136
1,1,2,2,-Tetrachloroetha	10	ND	10.	102	67-130
Benzene	10	0.38J	11.	112	70-130
Toluene	10	ND	11.	113	70-130
Ethyl benzene	10	ND	11.	112	70-130
Chloromethane	10	ND	5.2	52*	64-130
Bromomethane	10	ND	5.0	50	39-139
Vinyl chloride	10	ND	8.3	83	55-140
Chloroethane	10	ND	12.	120	55-138
1,1,-Dichloroethene	10	ND	10.	105	61-145
trans-1,2-Dichloroethene	10	ND	11.	108	70-130
Trichloroethene	10	1.3	12.	108	70-130
1,2-Dichlorobenzene	10	ND	10.	103	70-130
1,3-Dichlorobenzene	10	ND	10.	102	70-130
1,4-Dichlorobenzene	10	ND	10.	104	70-130
Methyl tert butyl ether	10	ND	9.4	94	63-130
p/m xylene	20	ND	22.	110	70-130
o Xylene	20	ND	22.	112	70-130
cis-1,2-Dichloroethene	10	1.3J	12.	118	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Client Sample ID : B6-OWD

Matrix Spike : WG798120-4

Matrix Spike Dup : WG798120-5

Matrix: Water

Injected: 06/28/15 21:59

Injected: 06/28/15 23:29

Injected: 06/28/15 23:59

Lab File ID: 0628A20.D

Lab File ID: 0628A23.D

Lab File ID: 0628A24.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Dibromomethane	10	ND	10.	104	70-130
1,2,3-Trichloropropane	10	ND	11.	110	64-130
Acrylonitrile	10	ND	6.9	69*	70-130
Diisopropyl Ether	10	ND	7.5	75	70-130
tert-Butyl Alcohol	50	ND	38.	75	70-130
Styrene	20	ND	22.	112	70-130
Dichlorodifluoromethane	10	ND	7.2	72	36-147
Acetone	10	ND	6.6	66	58-148
Carbon disulfide	10	ND	9.8	98	51-130
2-Butanone	10	ND	6.0	60*	63-138
Vinyl acetate	10	ND	7.9	79	70-130
4-Methyl-2-pentanone	10	ND	6.8	68	59-130
2-Hexanone	10	ND	6.2	62	57-130
Bromochloromethane	10	ND	10.	104	70-130
2,2-Dichloropropane	10	ND	10.	104	63-133
1,2-Dibromoethane	10	ND	10.	101	70-130
1,3-Dichloropropane	10	ND	11.	109	70-130
1,1,1,2-Tetrachloroethane	10	ND	11.	112	64-130
Bromobenzene	10	ND	10.	103	70-130
n-Butylbenzene	10	ND	11.	108	53-136
sec-Butylbenzene	10	ND	10.	106	70-130
tert-Butylbenzene	10	ND	10.	104	70-130
2-Chlorotoluene	10	ND	11.	114	70-130
4-Chlorotoluene	10	ND	11.	110	70-130
1,2-Dibromo-3-chloropropane	10	ND	10.	103	41-144
Hexachlorobutadiene	10	ND	10.	103	63-130
Isopropylbenzene	10	ND	11.	107	70-130
p-Isopropyltoluene	10	ND	11.	106	70-130
Naphthalene	10	ND	8.2	83	70-130
n-Propylbenzene	10	ND	11.	110	69-130
1,2,3-Trichlorobenzene	10	ND	9.0	90	70-130
1,2,4-Trichlorobenzene	10	ND	9.4	94	70-130
1,3,5-Trimethylbenzene	10	ND	11.	110	64-130
1,2,4-Trimethylbenzene	10	ND	11.	109	70-130
Methyl Acetate	10	ND	6.1	61*	70-130

* Values outside of QC limits.

COMMENTS:

FORM III NYTCL-8260

3A
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Client Sample ID : B6-OWD

Matrix Spike : WG798120-4

Matrix Spike Dup : WG798120-5

Matrix: Water

Injected: 06/28/15 21:59

Injected: 06/28/15 23:29

Injected: 06/28/15 23:59

Lab File ID: 0628A20.D

Lab File ID: 0628A23.D

Lab File ID: 0628A24.D

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	MS CONCENTRATION (ug/l)	MS % REC	QC. LIMITS REC.
Ethyl Acetate	10	ND	5.6J	MA 56*	70-130
Cyclohexane	10	ND	7.3J	73	70-130
Ethyl-Tert-Butyl-Ether	10	ND	8.5	85	70-130
Tertiary-Amyl Methyl Eth	10	ND	9.3	93	66-130
1,4-Dioxane	500	ND	440	88	56-162
Freon-113	10	ND	9.3	93	70-130
p-Diethylbenzene	10	ND	10.	104	70-130
4-Ethyltoluene	10	ND	11.	108	70-130
1,2,4,5-Tetramethylbenze	10	ND	10.	103	70-130
Ethyl ether	10	ND	9.8	98	59-134
trans-1,4-Dichloro-2-but	10	ND	5.5	55*	70-130
Methyl cyclohexane	10	ND	9.2J	92	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Client Sample ID : B6-OWD

Matrix Spike : WG798120-4

Matrix Spike Dup : WG798120-5MSD

Matrix: Water

Injected: 06/28/15 21:59

Injected: 06/28/15 23:29

Injected: 06/28/15 23:59

Lab File ID: 0628A20.D

Lab File ID: 0628A23.D

Lab File ID: 0628A24.D

COMPOUND	SPIKE	MSD	MSD	% RPD	QC LIMITS	
	ADDED (ug/l)	CONCENTRATION (ug/l)	% REC		RPD	REC.
Methylene chloride	10	10.	105	0	20	70-130
1,1-Dichloroethane	10	10.	104	0	20	70-130
Chloroform	10	12.	117	0	20	70-130
Carbontetrachloride	10	12.	115	9	20	63-132
1,2-Dichloropropane	10	9.8	98	0	20	70-130
Chlorodibromomethane	10	11.	109	10	20	63-130
1,1,2-Trichloroethane	10	11.	114	0	20	70-130
Tetrachloroethene	10	12.	100	0	20	70-130
Chlorobenzene	10	11.	110	0	20	75-130
Trichlorofluoromethane	10	11.	112	0	20	62-150
1,2-Dichloroethane	10	11.	110	0	20	70-130
1,1,1-Trichloroethane	10	11.	114	0	20	67-130
Bromodichloromethane	10	11.	110	0	20	67-130
trans-1,3-Dichloropropene	10	10.	106	0	20	70-130
cis-1,3-Dichloropropene	10	10.	100	3	20	70-130
1,1-Dichloropropene	10	11.	107	0	20	70-130
Bromoform	10	11.	109	10	20	54-136
1,1,2,2,-Tetrachloroetha	10	11.	109	10	20	67-130
Benzene	10	11.	111	0	20	70-130
Toluene	10	11.	113	0	20	70-130
Ethyl benzene	10	11.	114	0	20	70-130
Chloromethane	10	5.5	55 *	6	20	64-130
Bromomethane	10	6.3	63	23 *	20	39-139
Vinyl chloride	10	8.5	85	2	20	55-140
Chloroethane	10	12.	120	0	20	55-138
1,1,-Dichloroethene	10	10.	105	0	20	61-145
trans-1,2-Dichloroethene	10	11.	108	0	20	70-130
Trichloroethene	10	12.	109	0	20	70-130
1,2-Dichlorobenzene	10	10.	106	0	20	70-130
1,3-Dichlorobenzene	10	10.	104	0	20	70-130
1,4-Dichlorobenzene	10	10.	105	0	20	70-130
Methyl tert butyl ether	10	9.9	99	5	20	63-130
p/m xylene	20	22.	111	0	20	70-130
o Xylene	20	22.	112	0	20	70-130
cis-1,2-Dichloroethene	10	12.	117	0	20	70-130

* Values outside of QC limits.

COMMENTS:

FORM III NYTCL-8260

3A
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Client Sample ID : B6-OWD

Matrix Spike : WG798120-4

Matrix Spike Dup : WG798120-5MSD

Matrix: Water

Injected: 06/28/15 21:59

Injected: 06/28/15 23:29

Injected: 06/28/15 23:59

Lab File ID: 0628A20.D

Lab File ID: 0628A23.D

Lab File ID: 0628A24.D

COMPOUND	SPIKE	MSD	MSD	% RPD	QC LIMITS	
	ADDED (ug/l)	CONCENTRATION (ug/l)	REC		RPD	REC.
Dibromomethane	10	11.	108	10	20	70-130
1,2,3-Trichloropropane	10	12.	117	9	20	64-130
Acrylonitrile	10	7.6	76	10	20	70-130
Diisopropyl Ether	10	7.6	76	1	20	70-130
tert-Butyl Alcohol	50	44.	89	15	20	70-130
Styrene	20	23.	113	4	20	70-130
Dichlorodifluoromethane	10	7.0	70	2	20	36-147
Acetone	10	8.2	82	22	20	58-148
Carbon disulfide	10	9.7	97	1	20	51-130
2-Butanone	10	6.9	69	14	20	63-138
Vinyl acetate	10	8.2	82	4	20	70-130
4-Methyl-2-pentanone	10	7.8	78	14	20	59-130
2-Hexanone	10	7.4	74	18	20	57-130
Bromochloromethane	10	11.	108	10	20	70-130
2,2-Dichloropropane	10	10.	104	0	20	63-133
1,2-Dibromoethane	10	11.	107	10	20	70-130
1,3-Dichloropropane	10	11.	114	0	20	70-130
1,1,1,2-Tetrachloroethane	10	11.	112	0	20	64-130
Bromobenzene	10	11.	106	10	20	70-130
n-Butylbenzene	10	11.	110	0	20	53-136
sec-Butylbenzene	10	11.	108	10	20	70-130
tert-Butylbenzene	10	11.	106	10	20	70-130
2-Chlorotoluene	10	11.	107	0	20	70-130
4-Chlorotoluene	10	11.	113	0	20	70-130
1,2-Dibromo-3-chloroprop	10	10.	105	0	20	41-144
Hexachlorobutadiene	10	11.	110	10	20	63-130
Isopropylbenzene	10	11.	109	0	20	70-130
p-Isopropyltoluene	10	11.	108	0	20	70-130
Naphthalene	10	9.1	91	10	20	70-130
n-Propylbenzene	10	11.	113	0	20	69-130
1,2,3-Trichlorobenzene	10	9.7	97	7	20	70-130
1,2,4-Trichlorobenzene	10	10.	100	6	20	70-130
1,3,5-Trimethylbenzene	10	11.	111	0	20	64-130
1,2,4-Trimethylbenzene	10	11.	112	0	20	70-130
Methyl Acetate	10	7.0	70	14	20	70-130

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
WATER VOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1514242

Client Sample ID : B6-OWD

Matrix Spike : WG798120-4

Matrix Spike Dup : WG798120-5MSD

Matrix: Water

Injected: 06/28/15 21:59 Lab File ID: 0628A20.D

Injected: 06/28/15 23:29 Lab File ID: 0628A23.D

Injected: 06/28/15 23:59 Lab File ID: 0628A24.D

COMPOUND	SPIKE	MSD	MSD	% RPD	QC LIMITS	
	ADDED (ug/l)	CONCENTRATION (ug/l)	% REC		RPD	REC.
Ethyl Acetate	10	6.3J	63 *	12	20	70-130
Cyclohexane	10	7.5J	75	3	20	70-130
Ethyl-Tert-Butyl-Ether	10	8.8	88	3	20	70-130
Tertiary-Amyl Methyl Eth	10	9.8	98	5	20	66-130
1,4-Dioxane	500	570	114	26 *	20	56-162
Freon-113	10	9.3	93	0	20	70-130
p-Diethylbenzene	10	11.	106	10	20	70-130
4-Ethyltoluene	10	11.	110	0	20	70-130
1,2,4,5-Tetramethylbenze	10	10.	105	0	20	70-130
Ethyl ether	10	10.	102	2	20	59-134
trans-1,4-Dichloro-2-but	10	6.3	64 *	14	20	70-130
Methyl cyclohexane	10	9.3J	93	1	20	70-130

* Values outside of QC limits.

COMMENTS:

FORM III NYTCL-8260

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voa101.i Injection Date: 28-JUN-2015 13:01
Lab File ID: 0628A02.D Init. Cal. Date(s): 15-MAY-2015 16-MAY-2015
Analysis Type: WATER Init. Cal. Times: 21:16 00:47
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\\ff\\chem\\GCMSVOA\\Voa101.i\\150628.b\\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
11 dichlorodifluoromethane	0.17725	0.14023	0.14023	0.050	-20.88623	20.00000	Averaged <-
12 chloromethane	0.23548	0.14854	0.14854	0.050	-36.91882	20.00000	Averaged <-
13 vinyl chloride	0.22042	0.19133	0.19133	0.050	-13.19591	20.00000	Averaged
14 bromomethane	100	118	0.07334	0.050	17.58309	20.00000	Quadratic
15 chloroethane	0.10375	0.11936	0.11936	0.050	15.04167	20.00000	Averaged
16 trichlorofluoromethane	0.21746	0.25652	0.25652	0.050	17.95923	20.00000	Averaged
17 ethyl ether	0.10053	0.09356	0.09356	0.050	-6.92638	20.00000	Averaged
18 1,1-dichloroethene	0.18289	0.18437	0.18437	0.050	0.80882	20.00000	Averaged
110 carbon disulfide	0.58967	0.56467	0.56467	0.050	-4.24006	20.00000	Averaged
111 freon-113	0.17692	0.18223	0.18223	0.050	2.99811	20.00000	Averaged
113 Isopropyl Alcohol	0.00455	0.00351	0.00351	0.050	-22.83572	20.00000	Averaged <-
114 methylene chloride	0.20487	0.20732	0.20732	0.050	1.19921	20.00000	Averaged
115 acetone	100	86.26054	0.02553	0.050	-13.73946	20.00000	Wt Linear <-
116 trans-1,2-dichloroethene	0.20314	0.21047	0.21047	0.050	3.60789	20.00000	Averaged
117 Methyl Acetate	0.07981	0.04976	0.04976	0.050	-37.65639	20.00000	Averaged <-
118 methyl tert butyl ether	0.43305	0.39180	0.39180	0.050	-9.52557	20.00000	Averaged
120 Tert-Butyl Alcohol	0.00845	0.00700	0.00700	0.050	-17.11447	20.00000	Averaged <-
121 Diisopropyl Ether	0.63345	0.45831	0.45831	0.050	MA -27.64908	20.00000	Averaged <-
122 1,1-dichloroethane	0.37352	0.37427	0.37427	0.050	0.20016	20.00000	Averaged
123 halothane	0.14633	0.14562	0.14562	0.050	-0.48517	20.00000	Averaged
124 acrylonitrile	0.04415	0.03049	0.03049	0.050	MA 30.94239	20.00000	Averaged <-
125 Ethyl-Tert-Butyl-Ether	0.55285	0.46081	0.46081	0.050	-16.64855	20.00000	Averaged
126 vinyl acetate	0.29120	0.22888	0.22888	0.050	-21.40289	20.00000	Averaged <-
127 cis-1,2-dichloroethene	0.22496	0.23125	0.23125	0.050	2.79734	20.00000	Averaged
128 2,2-dichloropropane	0.25683	0.30069	0.30069	0.050	17.07790	20.00000	Averaged
129 bromochloromethane	0.07860	0.07870	0.07870	0.050	0.13474	20.00000	Averaged
130 Cyclohexane	0.38639	0.31522	0.31522	0.050	-18.42032	20.00000	Averaged
131 chloroform	0.33135	0.37071	0.37071	0.050	MA 11.87974	20.00000	Averaged
132 Ethyl Acetate	0.12252	0.07630	0.07630	0.050	MA -37.72578	20.00000	Averaged <-
133 carbontetrachloride	0.21131	0.25130	0.25130	0.050	18.92606	20.00000	Averaged
134 tetrahydrofuran	0.04330	0.02744	0.02744	0.050	MA -36.62618	20.00000	Averaged <-
136 36 dibromofluoromethane	0.21711	0.22217	0.22217	0.050	2.32784	30.00000	Averaged
137 1,1,1-trichloroethane	0.27497	0.30402	0.30402	0.050	MA 10.56430	20.00000	Averaged
138 2-butanone	0.05207	0.03833	0.03833	0.050	MA -26.39074	20.00000	Averaged <-
139 1,1-dichloropropene	0.29638	0.32240	0.32240	0.050	MA 8.79960	20.00000	Averaged
140 benzene	0.85779	0.89845	0.89845	0.050	4.74000	20.00000	Averaged
141 Tertiary-Amyl Methyl Ether	0.46887	0.43002	0.43002	0.050	-8.28473	20.00000	Averaged
142 1,2-dichloroethane-d4	0.23104	0.23409	0.23409	0.050	1.32055	30.00000	Averaged
143 1,2-dichloroethane	0.21275	0.21669	0.21669	0.050	1.85373	20.00000	Averaged
146 methyl cyclohexane	0.38797	0.40376	0.40376	0.050	4.06987	20.00000	Averaged
149 trichloroethene	0.20644	0.22493	0.22493	0.050	8.95778	20.00000	Averaged
150 dibromomethane	0.09406	0.09424	0.09424	0.050	0.18349	20.00000	Averaged
152 1,2-dichloropropane	0.21734	0.20801	0.20801	0.050	-4.28938	20.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voal01.i Injection Date: 28-JUN-2015 13:01
Lab File ID: 0628A02.D Init. Cal. Date(s): 15-MAY-2015 16-MAY-2015
Analysis Type: WATER Init. Cal. Times: 21:16 00:47
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Voal01.i\150628.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	MAX %D / %DRIFT	CURVE TYPE
153 bromodichloromethane	0.24943	0.26819	0.26819	0.050	7.52172	Averaged
156 1,4-Dioxane	0.00084	0.00083	0.00083	0.050	-1.03719	Averaged <-
157 2-Chloroethylvinyl ether	0.10316	0.06572	0.06572	0.050	-36.29369	Averaged <-
158 cis-1,3-dichloropropene	0.30842	0.31105	0.31105	0.050	0.85290	Averaged
159 toluene-d8	1.35142	1.46619	1.46619	0.050	8.49299	Averaged
160 toluene	0.75785	0.86167	0.86167	0.050	13.69955	Averaged
162 4-methyl-2-pentanone	0.04701	0.03255	0.03255	0.050	-30.76753	Averaged <-
163 tetrachloroethene	0.26926	0.28693	0.28693	0.050	6.56280	Averaged
164 trans-1,3-dichloropropene	0.35622	0.37338	0.37338	0.050	4.81569	Averaged
165 ethyl-methacrylate	0.30677	0.27858	0.27858	0.050	-9.18863	Averaged
168 1,1,2-trichloroethane	0.17914	0.19192	0.19192	0.050	7.13448	Averaged
169 chlorodibromomethane	0.21018	0.22092	0.22092	0.050	5.11092	Averaged
170 1,3-dichloropropane	0.37243	0.39884	0.39884	0.050	7.09021	Averaged
171 1,2-dibromoethane	0.18738	0.18360	0.18360	0.050	-2.01531	Averaged
173 2-hexanone	0.10601	0.06926	0.06926	0.050	-34.66498	Averaged <-
175 chlorobenzene	0.76495	0.84536	0.84536	0.050	10.51217	Averaged
176 ethyl benzene	1.42603	1.64097	1.64097	0.050	15.07326	Averaged
177 1,1,1,2-tetrachloroethane	0.23497	0.26126	0.26126	0.050	11.18747	Averaged
178 p/m xylene	0.53076	0.60692	0.60692	0.050	14.35023	Averaged
179 o xylene	0.50370	0.57131	0.57131	0.050	13.42455	Averaged
180 styrene	0.83757	0.95249	0.95249	0.050	13.71976	Averaged
181 bromoform	0.24125	0.24897	0.24897	0.050	3.19934	Averaged
182 isopropylbenzene	2.82164	3.22284	3.22284	0.050	14.21897	Averaged
183 4-bromofluorobenzene	1.05082	1.14465	1.14465	0.050	8.92945	Averaged
184 bromobenzene	0.57627	0.61008	0.61008	0.050	5.86759	Averaged
185 n-propylbenzene	3.49242	4.19576	4.19576	0.050	20.13885	Averaged <-
187 1,4-dichloro-2-butane	0.73619	0.63565	0.63565	0.050	-13.65740	Averaged
188 1,1,2,2,-tetrachloroethane	0.49585	0.51348	0.51348	0.050	3.55427	Averaged
189 4-ethyltoluene	2.97077	3.47030	3.47030	0.050	16.81487	Averaged
190 2-chlorotoluene	1.99830	2.44620	2.44620	0.050	22.41418	Averaged <-
191 1,3,5-trimethylbenzene	2.28880	2.72022	2.72022	0.050	18.84920	Averaged
192 1,2,3-trichloropropane	0.37526	0.40174	0.40174	0.050	7.05797	Averaged
193 trans-1,4-dichloro-2-butene	0.11748	0.08240	0.08240	0.050	-29.86345	Averaged <-
194 4-chlorotoluene	2.01899	2.40185	2.40185	0.050	18.96285	Averaged
195 tert-butylbenzene	1.92316	2.17553	2.17553	0.050	13.12235	Averaged
197 1,2,4-trimethylbenzene	2.26572	2.66280	2.66280	0.050	17.52556	Averaged
198 sec-butylbenzene	3.10710	3.65557	3.65557	0.050	17.65209	Averaged
196 p-isopropyltoluene	2.44709	2.79978	2.79978	0.050	14.41280	Averaged
199 1,3-dichlorobenzene	1.19209	1.28810	1.28810	0.050	8.05402	Averaged
101 1,4-dichlorobenzene	1.18039	1.27464	1.27464	0.050	7.98517	Averaged
102 p-Diethylbenzene	1.50488	1.70762	1.70762	0.050	13.47212	Averaged
103 n-butylbenzene	2.46672	2.99022	2.99022	0.050	21.22264	Averaged <-

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Voal01.i Injection Date: 28-JUN-2015 13:01
 Lab File ID: 0628A02.D Init. Cal. Date(s): 15-MAY-2015 16-MAY-2015
 Analysis Type: WATER Init. Cal. Times: 21:16 00:47
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv2\ff\chem\GCMSVOA\Voal01.i\150628.b\liq8260C.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
104 1,2-dichlorobenzene	1.03916	1.09314	1.09314	0.050	5.19438	20.00000	Averaged
105 1,2,4,5-tetramethylbenzene	2.14042	2.30145	2.30145	0.050	7.52300	20.00000	Averaged
106 1,2-dibromo-3-chloropropane	0.21322	0.23073	0.23073	0.050	8.21360	20.00000	Averaged
107 1,3,5-trichlorobenzene	0.76292	0.82943	0.82943	0.050	8.71802	20.00000	Averaged
108 hexachlorobutadiene	0.27431	0.32114	0.32114	0.050	17.07376	20.00000	Averaged
109 1,2,4-trichlorobenzene	0.63725	0.62549	0.62549	0.050	-1.84662	20.00000	Averaged
110 naphthalene	1.34555	1.10089	1.10089	0.050	-18.18267	20.00000	Averaged
111 1,2,3-trichlorobenzene	0.52552	0.50185	0.50185	0.050	-4.50440	20.00000	Averaged

Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-01
 Client ID : GZ-21D
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 12:35
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 21:30
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.18	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	54	0.50	0.13	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	1.2	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U J
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.7	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	0.99	2.5	0.70	J
79-01-6	Trichloroethene	ND	0.50	0.18	U



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-01
 Client ID : GZ-21D
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 12:35
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 21:30
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	100	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	20	5.0	1.5	
75-15-0	Carbon disulfide	4.2	5.0	1.0	J
78-93-3	2-Butanone	2.5	5.0	1.9	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U J
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	41.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-02
 Client ID : B6-OWD
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 13:45
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 21:59
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.1
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	2.4	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	0.36	0.50	0.13	J
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	0.38	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.3	0.50	0.18	



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-02
 Client ID : B6-OWD
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A20
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 13:45
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 21:59
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.3	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	41.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-03
 Client ID : GZ-22D
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 14:50
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 22:29
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.1
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.69	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	5.4	0.50	0.13	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	2.2	0.50	0.16	
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	1.8	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	9.4	2.5	0.70	
79-01-6	Trichloroethene	1.2	0.50	0.18	



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-03
 Client ID : GZ-22D
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A21
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 14:50
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 22:29
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.1
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	16	2.5	0.70	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	4.5	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	0.31	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	41.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	0.55	10	0.40	J



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-04
 Client ID : TRIP BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 00:00
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 22:59
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514242-04
 Client ID : TRIP BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0628A22
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514242
 Project Number :
 Date Collected : 06/23/15 00:00
 Date Received : 06/23/15
 Date Analyzed : 06/28/15 22:59
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : VOA101.1
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	41.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-01
 Client ID : OS-MW4
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 08:55
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 11:25
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.44	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U J
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.0	0.50	0.18	



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-01
 Client ID : OS-MW4
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A05
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 08:55
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 11:25
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.2	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	2.2	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	41.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	0.85	10	0.40	J



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-02D
 Client ID : OS-MW3
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A07
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 10:00
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 12:37
 Dilution Factor : 20
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	ND	50	14.	U
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	1500	10	3.6	
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
75-25-2	Bromoforn	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.9	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U J
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	ND	20	1.4	U J
75-00-3	Chloroethane	ND	50	14.	U
75-35-4	1,1-Dichloroethene	ND	10	2.8	U
156-60-5	trans-1,2-Dichloroethene	25	50	14.	J
79-01-6	Trichloroethene	610	10	3.5	



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-02D
 Client ID : OS-MW3
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A07
 Sample Amount : 0.5 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 10:00
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 12:37
 Dilution Factor : 20
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	180	50	14.	
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	39	100	29.	J
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	46	100	39.	J
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND	5000	820	U
76-13-1	Freon-113	ND	50	14.	U
108-87-2	Methyl cyclohexane	ND	200	7.9	U



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-03D
 Client ID : GZ-23D
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A08
 Sample Amount : 1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 11:05
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 13:12
 Dilution Factor : 10
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	ND	25	7.0	U
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.3	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	750	5.0	1.8	
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	3.6	5.0	1.3	J
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.4	U
71-43-2	Benzene	3.2	5.0	1.6	J
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	230	10	0.70	J
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	1.9	5.0	1.4	J
156-60-5	trans-1,2-Dichloroethene	22	25	7.0	J
79-01-6	Trichloroethene	420	5.0	1.8	



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-03D
 Client ID : GZ-23D
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A08
 Sample Amount : 1 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 11:05
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 13:12
 Dilution Factor : 10
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U
179601-23-1	p/m-Xylene	ND	25	7.0	U
95-47-6	o-Xylene	ND	25	7.0	U
156-59-2	cis-1,2-Dichloroethene	780	25	7.0	
100-42-5	Styrene	ND	25	7.0	U
75-71-8	Dichlorodifluoromethane	ND	50	10.	U
67-64-1	Acetone	19	50	15.	J
75-15-0	Carbon disulfide	ND	50	10.	U
78-93-3	2-Butanone	20	50	19.	J
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U
591-78-6	2-Hexanone	ND	50	10.	U
74-97-5	Bromochloromethane	ND	25	7.0	U
106-93-4	1,2-Dibromoethane	ND	20	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U
98-82-8	Isopropylbenzene	ND	25	7.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U
79-20-9	Methyl Acetate	ND	20	2.3	U
110-82-7	Cyclohexane	ND	100	2.7	U
123-91-1	1,4-Dioxane	ND	2500	410	U
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-04
 Client ID : DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 00:00
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 12:01
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.13	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.48	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.14	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U J
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.14	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	1.1	0.50	0.18	



Form 1

Volatile Organics

Client : Sterling Environmental Eng
 Project Name : WAVERLY AVENUE
 Lab ID : L1514378-04
 Client ID : DUP
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8260C
 Lab File ID : 0629A06
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L1514378
 Project Number : 28012
 Date Collected : 06/24/15 00:00
 Date Received : 06/24/15
 Date Analyzed : 06/29/15 12:01
 Dilution Factor : 1
 Analyst : PD
 Instrument ID : ELAINE.I
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.2	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	2.3	10	0.27	J
123-91-1	1,4-Dioxane	ND	250	41.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	0.92	10	0.40	J

