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Client: Mr. Chris Carlson
TRC Environmental Consultants
21 Griffin Rd., North
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Analytical Report

CET # 13030053

Report Date: March 18, 2013
Client Project: Scofieldtown Landfill Closure, Stamford
Client Project #: 191277.000000.000000
Client P.O. #: 54707

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date	Collection Time	Receipt Date
AF26196	MW-25OB	Water	3/4/2013	9:25	03/04/2013
AF26197	MW-25AOB	Water	3/4/2013	9:30	03/04/2013
AF26198	MW-13OB	Water	3/4/2013	10:00	03/04/2013
AF26199	MW-25R	Water	3/4/2013	10:35	03/04/2013
AF26200	MW-13R	Water	3/4/2013	11:20	03/04/2013
AF26201	MW-23OB	Water	3/4/2013	12:20	03/04/2013
AF26202	MW-23R	Water	3/4/2013	13:05	03/04/2013
AF26203	MW-22OB	Water	3/4/2013	13:40	03/04/2013
AF26204	MW-22R	Water	3/4/2013	14:50	03/04/2013
AF26205	MW-27OB	Water	3/4/2013	15:00	03/04/2013
AF26206	MW-27R	Water	3/4/2013	16:00	03/04/2013
AF26207	FB030413	Water	3/4/2013	16:10	03/04/2013
AF26208	TB030413	Water	3/4/2013	16:20	03/04/2013

Sample temperature upon receipt was 2.1 degrees C

PREP ANALYSIS:

Acid Digestion of Waters [EPA 3005A]

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013

Acid Digestion of Waters [EPA 3005A]

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013

Acid Digestion of Waters [EPA 3005A]

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/7/2013	3/7/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/8/2013	3/8/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/6/2013	3/6/2013	3/6/2013	3/6/2013	3/11/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/7/2013	3/7/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/7/2013	3/7/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/8/2013	3/8/2013	3/11/2013	3/11/2013	3/11/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/8/2013	3/8/2013	3/8/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/8/2013	3/8/2013

ANALYSIS:

Ammonia as N Dup Result [SM4500-NH3 H] Units: mg/l

Client ID	FB030413
CET ID	AF26207
Date Analyzed	3/11/2013
Ammonia as N Dup Result	ND < 0.10

Mercury Dup Result [EPA 7470A] Units: mg/l

Client ID	MW-27OB
CET ID	AF26205
Date Analyzed	3/12/2013
Mercury Dup Result	ND < 0.0004

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Alkalinity, Tot(CaCO3)	68	78	130	99	51

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Alkalinity, Tot(CaCO3)	11	77	11	25	8.5

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013
Alkalinity, Tot(CaCO3)	150	31

Chloride [EPA 300.0] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/6/2013	3/7/2013	3/7/2013
Chloride	150	150	38	240	96

Chloride [EPA 300.0] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/6/2013	3/6/2013	3/6/2013	3/6/2013	3/6/2013
Chloride	9.0	8.2	3.7	4.6	6.1

Chloride [EPA 300.0] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/7/2013	3/6/2013
Chloride	90	ND < 1.0

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Ammonia as N	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Ammonia as N	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013
Ammonia as N	ND < 0.10	ND < 0.10

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/5/2013-16:18	3/5/2013-16:34	3/5/2013-16:51	3/5/2013-17:07	3/5/2013-17:24
Nitrate as N	3.6	3.8	1.6	0.95	0.11

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/5/2013-17:40	3/5/2013-17:57	3/5/2013-18:14	3/5/2013-18:30	3/5/2013-18:47
Nitrate as N	1.9	ND < 0.10	2.2	1.8	0.11

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/5/2013-19:20	3/5/2013-19:36
Nitrate as N	ND < 0.10	0.54

Sulfate [EPA 300.0] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/6/2013	3/6/2013	3/6/2013	3/6/2013	3/6/2013
Sulfate	34	34	30	33	22

Sulfate [EPA 300.0] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/6/2013	3/6/2013	3/6/2013	3/6/2013	3/6/2013
Sulfate	9.6	11	13	15	14

Sulfate [EPA 300.0] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/6/2013	3/6/2013
Sulfate	21	5.9

Hardness [2340B] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013
Hardness	67	68	140	300	60

Hardness [2340B] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013
Hardness	24	27	19	35	16

Hardness [2340B] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/7/2013	3/7/2013
Hardness	240	33

Total Mercury [EPA 7470A] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Total Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Total Mercury [EPA 7470A] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/12/2013
Total Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Total Mercury [EPA 7470A] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/12/2013	3/12/2013
Total Mercury	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/11/2013	3/11/2013	3/11/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/6/2013-12:00	3/6/2013-12:00	3/6/2013-12:00	3/6/2013-12:00	3/6/2013-12:00
Biochemical Oxygen Demand, 5 Day	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/6/2013-12:00	3/6/2013-12:00	3/6/2013-12:00	3/6/2013-12:00	3/6/2013-12:00
Biochemical Oxygen Demand, 5 Day	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/6/2013-12:00	3/6/2013-12:00
Biochemical Oxygen Demand, 5 Day	ND < 3.0	ND < 3.0

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Total Dissolved Solids	330	350	200	670	210

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Total Dissolved Solids	24	54	15	92	62

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/8/2013	3/8/2013
Total Dissolved Solids	350	23

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Total Suspended Solids	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	10

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Total Suspended Solids	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/8/2013	3/8/2013
Total Suspended Solids	ND < 5.0	ND < 5.0

Total Metals [EPA 200.7] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	0.26	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Manganese	0.067	0.068	ND < 0.02	0.041	0.55
Sodium	110	110	24	72	63
Potassium	2.9	3.0	4.1	5.6	5.2
Iron	ND < 0.10	ND < 0.10	0.26	0.30	0.23

Total Metals [EPA 200.7] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/7/2013	3/7/2013	3/7/2013	3/7/2013	3/7/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Manganese	ND < 0.02	0.37	ND < 0.02	0.055	0.19
Sodium	4.4	32	4.9	7.9	8.2
Potassium	4.4	1.5	3.8	2.2	ND < 1.0
Iron	ND < 0.10	0.14	ND < 0.10	0.16	ND < 0.10

Total Metals [EPA 200.7] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/7/2013	3/7/2013
Dilution	1.0	1.0
Lead	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05
Manganese	0.61	ND < 0.02
Sodium	21	1.6
Potassium	5.1	ND < 1.0
Iron	0.28	ND < 0.10

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/7/2013	3/7/2013	3/11/2013	3/11/2013	3/11/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	0.26	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Manganese	0.053	0.057	ND < 0.02	0.038	0.54
Iron	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	0.021	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Manganese	ND < 0.02	0.32	ND < 0.02	0.029	0.17
Iron	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013
Dilution	1.0	1.0
Lead	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005
Manganese	0.57	ND < 0.02
Iron	ND < 0.10	ND < 0.10

Duplicate for Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	MW-25R
CET ID	AF26199
Date Analyzed	3/11/2013
Dilution	1.0
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.004
Silver	ND < 0.012
Copper	ND < 0.04
Nickel	ND < 0.05
Zinc	ND < 0.02
Beryllium	ND < 0.004
Antimony	ND < 0.006
Thallium	ND < 0.005
Manganese	0.037
Iron	ND < 0.10

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Dilution	1	1	1	1	1
4,4-DDD	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alachlor	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Heptachlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80
TCMX (Surr 1)	89	87	83	83	95
DCB (Surr 2)	111	107	95	103	111

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Dilution	1	1	1	1	1
4,4-DDD	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alachlor	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
Heptachlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80
TCMX (Surr 1)	87	73	81	81	105
DCB (Surr 2)	119	105	101	109	115

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013
Dilution	1	1
4,4-DDD	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05
Alachlor	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10
Heptachlor	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80
TCMX (Surr 1)	99	84
DCB (Surr 2)	129	111

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Dilution	1.0	1.0	1.0	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	65	73	75	71	76
DCB (Surr 2) 50-150	88	85	81	95	94

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/8/2013	3/8/2013	3/8/2013	3/8/2013	3/8/2013
Dilution	1.0	1.0	1.0	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	75	61	71	73	84
DCB (Surr 2) 50-150	119	94	94	111	103

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/8/2013	3/8/2013
Dilution	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	77	72
DCB (Surr 2) 50-150	104	90

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/12/2013	3/12/2013	3/12/2013	3/12/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
DCPAA (Surr)	77	63	70	67	61

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
DCPAA (Surr)	70	77	82	82	73

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/13/2013	3/13/2013
Dilution	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40
DCPAA (Surr)	81	73

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/9/2013	3/9/2013	3/9/2013	3/11/2013	3/11/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Aniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
bis(2-chloroisopropyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobutadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloro-3-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
n-Nitrosodiphenylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluoranthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Pyrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
Butylbenzylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3,3-Dichlorobenzidine	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Benzo[a]anthracene	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Benzo[a]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	32	30	29	33	34
Phenol-d6(Surr) -	21	21	20	22	22
Nitrobenzene-d5(Surr) 30-130	62	62	54	71	67
2-Fluorobiphenyl (Surr) 30-130	65	64	54	75	69
2,4,6-Tribromophenol (Surr) 15-110	95	91	81	100	110
Terphenyl-d14 (Surr) 30-130	75	77	70	86	83

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Aniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
bis(2-chloroisopropyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
Hexachlorobutadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloro-3-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
n-Nitrosodiphenylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluoranthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Pyrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Butylbenzylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3,3-Dichlorobenzidine	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Benzo[a]anthracene	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Benzo[a]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	31	30	29	31	27
Phenol-d6(Surr) -	20	19	20	20	18
Nitrobenzene-d5(Surr) 30-130	71	66	67	64	64
2-Fluorobiphenyl (Surr) 30-130	73	68	70	65	66
2,4,6-Tribromophenol (Surr) 15-110	100	98	100	98	98
Terphenyl-d14 (Surr) 30-130	91	82	87	84	88

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/12/2013
Dilution	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10
Phenol	ND < 20	ND < 20
Aniline	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0
bis(2-chloroisopropyl)ether	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20
Hexachlorobutadiene	ND < 20	ND < 20
4-Chloro-3-methylphenol	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	MW-27R	FB030413
n-Nitrosodiphenylamine	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077
Anthracene	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20
Fluoranthene	ND < 1.0	ND < 1.0
Pyrene	ND < 1.0	ND < 1.0
Butylbenzylphthalate	ND < 20	ND < 20
3,3-Dichlorobenzidine	ND < 75	ND < 75
Benzo[a]anthracene	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30
Benzo[a]pyrene	ND < 0.20	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	32	31
Phenol-d6(Surr) -	20	21
Nitrobenzene-d5(Surr) 30-130	65	72
2-Fluorobiphenyl (Surr) 30-130	68	74
2,4,6-Tribromophenol (Surr) 15-110	100	100
Terphenyl-d14 (Surr) 30-130	89	99

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/9/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Dilution	1.0	1.0	1.0	1.0	1.0
ETPH	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Octacosane (surr) 50-150	100	79	75	78	74

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/11/2013	3/11/2013	3/11/2013	3/11/2013	3/11/2013
Dilution	1.0	1.0	1.0	1.0	1.0
ETPH	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Octacosane (surr) 50-150	72	74	78	75	76

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	MW-27R	FB030413
CET ID	AF26206	AF26207
Date Analyzed	3/11/2013	3/11/2013
Dilution	1.0	1.0
ETPH	ND < 0.10	ND < 0.10
Octacosane (surr) 50-150	77	76

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
CET ID	AF26196	AF26197	AF26198	AF26199	AF26200
Date Analyzed	3/5/2013	3/6/2013	3/6/2013	3/5/2013	3/6/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichloroethene	1.5	1.6	ND < 1.0	1.9	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	MW-25OB	MW-25AOB	MW-13OB	MW-25R	MW-13R
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	94.2	94.9	93	95.7	93.8
toluene-d8 (SURR) 70-130	97.7	97.2	96.2	96.8	97.5
4-bromofluorobenzene (SURR) 70-130	109	110	114	110	113

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
CET ID	AF26201	AF26202	AF26203	AF26204	AF26205
Date Analyzed	3/6/2013	3/6/2013	3/6/2013	3/6/2013	3/6/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	MW-23OB	MW-23R	MW-22OB	MW-22R	MW-27OB
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	93.9	94.3	94.4	91.9	95
toluene-d8 (SURR) 70-130	95.5	98.2	95.7	97.4	97.2
4-bromofluorobenzene (SURR) 70-130	112	112	114	112	113

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	MW-27R	FB030413	TB030413
CET ID	AF26206	AF26207	AF26208
Date Analyzed	3/5/2013	3/5/2013	3/5/2013
Dilution	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	MW-27R	FB030413	TB030413
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	101	95.8	93.2
toluene-d8 (SURR) 70-130	96.2	96.8	97.1
4-bromofluorobenzene (SURR) 70-130	112	110	111

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	MW-25OB
CET ID	AF26196
Date Analyzed	3/6/2013
Dilution	1.0
Dichlorodifluoromethane	ND < 10
Chloromethane	ND < 2.7
Vinyl Chloride	ND < 1.6
Bromomethane	ND < 5.0
Chloroethane	ND < 5.0
Acetone	ND < 50
Acrylonitrile	ND < 20
Trichlorofluoromethane	ND < 25
Trichlorotrifluoroethane	ND < 25

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	MW-25OB
1,1-Dichloroethene	ND < 1.0
Methylene Chloride	ND < 5.0
Carbon Disulfide	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0
1,1-Dichloroethane	ND < 1.0
2-Butanone (MEK)	ND < 25
2,2-Dichloropropane	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0
Chloroform	ND < 1.0
Tetrahydrofuran	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0
Carbon Tetrachloride	ND < 1.0
1,1-Dichloropropene	ND < 1.0
Benzene	ND < 1.0
1,2-Dichloroethane	ND < 1.0
Methyl Isobutyl Ketone	ND < 25
Trichloroethene	1.5
1,2-Dichloropropane	ND < 1.0
Dibromomethane	ND < 1.0
Bromodichloromethane	ND < 0.5
2-Hexanone	ND < 25
cis-1,3-Dichloropropene	ND < 0.5
Toluene	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.5
1,1,2-Trichloroethane	ND < 1.0
Tetrachloroethene	ND < 1.0
1,3-Dichloropropane	ND < 1.0
Dibromochloromethane	ND < 0.5
1,2-Dibromoethane	ND < 0.5
trans-1,4-Dichloro-2-Butene	ND < 10
Chlorobenzene	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0
Ethylbenzene	ND < 1.0
m+p Xylenes	ND < 1.0
o-Xylene	ND < 1.0
Styrene	ND < 1.0
Bromoform	ND < 1.0
Isopropylbenzene	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.5
Bromobenzene	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0
n-Propylbenzene	ND < 1.0
2-Chlorotoluene	ND < 1.0
4-Chlorotoluene	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0
tert-Butylbenzene	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0
sec-Butylbenzene	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0
4-Isopropyltoluene	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	MW-25OB
n-Butylbenzene	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0
Hexachlorobutadiene	ND < 0.45
Naphthalene	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	96
toluene-d8 (SURR) 70-130	97
4-bromofluorobenzene (SURR) 70-130	110

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. Sample Result Flags:
   E - The result is estimated, above the calibration range.
   H - The surrogate recovery is above the control limits.
   L - The surrogate recovery is below the control limits.
   B - The compound was detected in the laboratory blank.
   P - The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
   D - The RPD between the sample and the sample duplicate is high. Sample homogeneity may be a problem.
5. All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Volatile Soils Only: 13030053

Date and Time in Freezer

Client: [redacted]

CHAIN OF CUSTODY RECORD

CET
COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette, Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day, 24 Hours, 2-3 Days, Standard

Organics: 8260 CT List VOCs; 8260 Aromatics; 8260 Halogens; SPLP 8260; TCLP 8260; TPH (418.1); CT ETPH; 8270 CT List SVOCs; 8270 PNAs; PCBs; Pesticides

Metals (check all that apply): 13 Priority Poll Total; 8 RCRA; TOTAL; TCLP; SPLP; Field Filtered; Lab To Filter

Additional Analysis: Total K & Na; Herbicides; Ammonia (as Nitrogen); TKD Fe & Mn; TDS, TSS, ALKALINITY; Hardness, NO3; Chlorides, Sulfates; BOD

Sample ID	Date/Time	Matrix	Same Day	24 Hours	2-3 Days	Standard	8260 CT List VOCs	8260 Aromatics	8260 Halogens	SPLP 8260	TCLP 8260	TPH (418.1)	CT ETPH	8270 CT List SVOCs	8270 PNAs	PCBs	Pesticides	13 Priority Poll Total	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	Total K & Na	Herbicides	Ammonia (as Nitrogen)	TKD Fe & Mn	TDS, TSS, ALKALINITY	Hardness, NO3	Chlorides, Sulfates	BOD	TOTAL # OF CONT.	NOTE #
MW-25 OB	3-4-13/0925	W				X	X						X	X		X	X	X					X	X	X	X	X	X	X	X	X	X	11	
MW-25A OB	/0930																																11	
MW-13 OB	/1000																																11	
MW-25 R	/1035																																11	
MW-13 R	/1120																																11	
MW-23 OB	/1220																																11	
MW-23 R	/1305																																11	
MW-22 OB	/1340																																11	
MW-22 R	/1450																																11	
MW-27 OB	/1500																																11	
																																	110	

PRESERVATIVE (Cl-HCl, N-HNO_3, S-H_2SO_4, Na-NaOH, C=Cool, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M=MeOH B= Sodium Bisulfate W=Water F= Empty Vial E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	3/4/13 1745	[signature]
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES:

Client / Reporting Information

Company Name: TRC
Address: 21 Griffin Road North
City: Windsor State: CT Zip: 06095
Report To: Chris Carlson E-mail: ccarlson@trcsolutions.com
Phone #: 860-989-5416 Fax #: 860-298-6399

Project Information

Project Contact: Chris Carlson PO # 54707
Project: Scofieldtown Landfill Closure Project #: 191277.000000.000000
Location: Stamford, CT Collector(s): C. Carlson

QA/QC: ☐ Std ☐ Site Specific (MS/MSD) * ☒ RCP Pkg *
Data Report: ☒ Email ☒ PDF ☒ Excel ☐ Other
RSR Reporting Limits (check one): ☒ GA ☐ GB ☐ SWP ☐ Other (Specify)

[redacted]

SHEET 1 OF 2

REV. 5/9/06

* Additional charge may apply. ** TAT begins when the samples are received at the Lab. TAT for samples received after 3 p.m. will start on the next business day.

CHAIN OF CUSTODY RECORD

CET
COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

Volatile Soils Only: 13030053

Date and Time in Freezer

Client: [redacted]

Sample ID	Date/Time	Matrix (A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette, Solid, Wipe, Other (Specify))	Turnaround Time ** (check one): Same Day	24 Hours	2-3 Days	Standard	Organics: 8260 CT List VOCs	8260 Aromatics	8260 Halogens	SPLP 8260	TCLP 8260	TPH (418.1)	CT ETPH	8270 CT List SVOCs	8270 PNAs	PCBs	Pesticides	Metals (check all that apply): 13 Priority Poll TAL	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter**	Additional Analysis: Total K & Na	Herbicides	Ammonia (as Nitrogen)	T&D Fe & Mn	TDS, TSS, ALKALINITY	Hardness, NO3	Chlorides, Sulfates	BOD	TOTAL # OF CONT.	NOTE #
MW-27 R	3-4-13 / 1600	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X	11	
FB030413	↓ / 1610	↓				↓	↓						X	X		X	X	X						X	X	X	X	X	X	X	X	X	11	
TB030413	↓ / 1620	↓				↓	↓																										2	

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)

Soil VOCs Only (M=MeOH B= Sodium Bisulfate W=Water F= Empty Vial E=Encore)

24

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[illegible]	3/4/13 1745	[illegible]

NOTES:

Client / Reporting Information

Company Name: TRC
Address: 21 Griffin Road North
City: Windsor State: CT Zip: 06095
Report To: Chris Carlson E-mail: ccarlson@trcsolutions.com
Phone #: 860-989-5416 Fax #: 860-298-6399

Project Information

Project Contact: Chris Carlson PO #: 54707
Project: Scofieldtown Landfill Closure Project #: 191277.000000.000000
Location: Stamford, CT Collector(s): C. Carlson

QA/QC: ☐ Std ☐ Site Specific (MS/MSD) * ☒ RCP Pkg *
Data Report: ☒ Email ☒ PDF ☒ Excel ☐ Other
RSR Reporting Limits (check one): ☒ GA ☐ GB ☐ SWP ☐ Other (Specify)

[redacted]

SHEET 2 OF 2

* Additional charge may apply. ** TAT begins when the samples are received at the Lab. TAT for samples received after 3 p.m. will start on the next business day.

REV. 5/9/06

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc.

Client: TRC Environmental Consultants

Project Location: Scofieldtown Landfill Closure, Stamford

Project Number: 191277.000000.000000

Laboratory Sample ID(s): AF26196 – AF26208

Sampling Date(s): 3/4/13

List RCP Methods Used (e.g., 8260, 8270, et cetera):

CET#: 13030053

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☒Yes ☐No
1A	Were the method specified preservation and holding time requirements met?	☒Yes ☐No
1B	**VPH and EPH Methods only:** Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒Yes ☐No
3	Were samples received at an appropriate temperature (<6°C)?	☒Yes ☐ No ☐N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐Yes ☒No
5	a) Were reporting limits specified or referenced on the chain-of custody? b) Were these reporting limits met?	☒Yes ☐No ☒Yes ☐No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐Yes ☒No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒Yes ☐No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____ **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 3/21/13

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

COMPLETE ENVIRONMENTAL TESTING, INC.

80Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

QA Report

Project: Scofieldtown Landfill Closure, Stamford
CET#: 13030053

Blank/LCS Report

QA Type: Volatile Organics Date Analyzed: 3/5/2013 Batch ID: 84600

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	144 H	70-130
Chloromethane	ND<2.7	116	70-130
Vinyl Chloride	ND<1.6	108	70-130
Bromomethane	ND<5.0	104	70-130
Chloroethane	ND<5.0	97	70-130
Acetone	ND<50	85	70-130
Acrylonitrile	ND<20	88	70-130
Trichlorofluoromethane	ND<25	102	70-130
Trichlorotrifluoroethane	ND<25	78	70-130
1,1-Dichloroethene	ND<1.0	82	70-130
Methylene Chloride	ND<5.0	76	70-130
Carbon Disulfide	ND<5.0	72	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	92	70-130
trans-1,2-Dichloroethene	ND<1.0	85	70-130
1,1-Dichloroethane	ND<1.0	83	70-130
2-Butanone (MEK)	ND<25	86	70-130
2,2-Dichloropropane	ND<1.0	88	70-130
cis-1,2-Dichloroethene	ND<1.0	88	70-130
Chloroform	ND<1.0	83	70-130
Tetrahydrofuran	ND<5.0	92	70-130
1,1,1-Trichloroethane	ND<1.0	91	70-130
Carbon Tetrachloride	ND<1.0	85	70-130
1,1-Dichloropropene	ND<1.0	94	70-130
Benzene	ND<1.0	94	70-130
1,2-Dichloroethane	ND<1.0	87	70-130
Methyl Isobutyl Ketone	ND<25	97	70-130
Trichloroethene	ND<1.0	96	70-130
1,2-Dichloropropane	ND<1.0	93	70-130
Dibromomethane	ND<1.0	98	70-130
Bromodichloromethane	ND<0.5	92	70-130
2-Hexanone	ND<25	88	70-130
cis-1,3-Dichloropropene	ND<0.5	95	70-130
Toluene	ND<1.0	96	70-130

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Volatile Organics Date Analyzed: 3/5/2013 Batch ID: 84600

Analyte	Blank	LCS%Rec	LCS CL
trans-1,3-Dichloropropene	ND<0.5	90	70-130
1,1,2-Trichloroethane	ND<1.0	95	70-130
Tetrachloroethene	ND<1.0	96	70-130
1,3-Dichloropropane	ND<1.0	89	70-130
Dibromochloromethane	ND<0.5	78	70-130
1,2-Dibromoethane	ND<0.5	85	70-130
Chlorobenzene	ND<1.0	79	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	79	70-130
Ethylbenzene	ND<1.0	81	70-130
m+p Xylenes	ND<1.0	86	70-130
o-Xylene	ND<1.0	86	70-130
Styrene	ND<1.0	86	70-130
Bromoform	ND<1.0	82	70-130
Isopropylbenzene	ND<1.0	86	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	83	70-130
Bromobenzene	ND<1.0	103	70-130
1,2,3-Trichloropropane	ND<1.0	98	70-130
n-Propylbenzene	ND<1.0	100	70-130
2-Chlorotoluene	ND<1.0	115	70-130
4-Chlorotoluene	ND<1.0	95	70-130
1,3,5-Trimethylbenzene	ND<1.0	111	70-130
tert-Butylbenzene	ND<1.0	108	70-130
1,2,4-Trimethylbenzene	ND<1.0	108	70-130
sec-Butylbenzene	ND<1.0	111	70-130
1,3-Dichlorobenzene	ND<1.0	103	70-130
4-Isopropyltoluene	ND<1.0	114	70-130
1,4-Dichlorobenzene	ND<1.0	98	70-130
1,2-Dichlorobenzene	ND<1.0	105	70-130
n-Butylbenzene	ND<1.0	110	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	110	70-130
1,2,4-Trichlorobenzene	ND<1.0	117	70-130
Hexachlorobutadiene	ND<0.45	105	70-130
Naphthalene	ND<1.0	126	70-130
1,2,3-Trichlorobenzene	ND<1.0	122	70-130

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207 AF26208

QA Type: Chloride Date Analyzed: 3/6/2013 Batch ID: 84603

Analyte	Blank	LCS%Rec	LCS CL
Chloride	ND<5.0	95	90-110

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Nitrate as N Date Analyzed: 3/5/2013 Batch ID: 84604

Analyte	Blank	LCS%Rec	LCS CL
Nitrate as N	ND<0.10	102	90-110

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Sulfate Date Analyzed: 3/6/2013 Batch ID: 84605

Analyte	Blank	LCS%Rec	LCS CL
Sulfate	ND<0.10	109	90-110

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Total Metals Date Analyzed: 3/7/2013 Batch ID: 84634

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	90	85-115
Selenium	ND<0.01	90	85-115
Cadmium	ND<0.005	98	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	94	85-115
Silver	ND<0.012	94	85-115
Copper	ND<0.04	90	85-115
Nickel	ND<0.05	94	85-115
Zinc	ND<0.02	97	85-115
Beryllium	ND<0.004	96	85-115
Antimony	ND<0.05	94	85-115
Thallium	ND<0.05	92	85-115
Manganese	ND<0.02	100	85-115
Sodium	ND<1.0	97	85-115
Potassium	ND<1.0	96	85-115
Iron	ND<0.10	103	85-115

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Total Metals Date Analyzed: 3/7/2013 Batch ID: 84635

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	90	85-115
Selenium	ND<0.01	90	85-115
Cadmium	ND<0.005	98	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	94	85-115
Silver	ND<0.012	94	85-115
Copper	ND<0.04	90	85-115
Nickel	ND<0.05	94	85-115
Zinc	ND<0.02	97	85-115
Beryllium	ND<0.004	96	85-115
Antimony	ND<0.05	94	85-115
Thallium	ND<0.05	92	85-115
Manganese	ND<0.02	100	85-115
Sodium	ND<1.0	97	85-115
Potassium	ND<1.0	96	85-115
Iron	ND<0.10	103	85-115

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Dissolved Metals Date Analyzed: 3/7/2013 Batch ID: 84647

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	96	80-120
Selenium	ND<0.002	100	80-120
Cadmium	ND<0.001	96	80-120
Chromium	ND<0.001	96	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	96	80-120
Copper	ND<0.001	96	80-120
Nickel	ND<0.001	98	80-120
Zinc	ND<0.002	98	80-120
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	97	80-120
Thallium	ND<0.001	94	80-120

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Dissolved Metals Date Analyzed: 3/7/2013 Batch ID: 84647

Analyte	Blank	LCS%Rec	LCS CL
Manganese	ND<0.001	94	80-120
Sodium	ND<0.1	94	80-120
Potassium	ND<0.1	94	80-120
Iron	ND<0.01	99	80-120
Mercury	ND<0.0002	99	80-120

All associated samples: AF26196 AF26197

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/12/2013 Batch ID: 84652

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-T	ND<0.40	116	40-140
2,4-D	ND<2.0	108	40-140
2,4-DB	ND<4.0	115	40-140
3,5-Dichlorobenzoic acid	ND<0.40	101	40-140
4-Nitrophenol	ND<2.0	108	40-140
Dalapon	ND<4.0	48	40-140
Dicamba	ND<0.40	112	40-140
Dichloroprop	ND<2.0	118	40-140
Dinoseb	ND<0.40	102	40-140
PCP	ND<0.10	110	40-140
Picloram	ND<0.40	66	40-140
Silvex	ND<0.40	125	40-140

All associated samples: AF26196 AF26197 AF26198 AF26199

QA Type: Total Mercury Date Analyzed: 3/8/2013 Batch ID: 84665

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.0004	94	90-110

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204

QA Type: Ammonia as N Date Analyzed: 3/8/2013 Batch ID: 84676

Analyte	Blank	LCS%Rec	LCS CL
Ammonia as N	ND<0.10	85	67-111

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200

QA Type: Semi-Volatile Organics Date Analyzed: 3/9/2013 Batch ID: 84689

Analyte	Blank	LCS%Rec	LCS CL
Pyridine	ND<4.0	43	30-130
n-Nitroso-dimethylamine	ND<20	47	40-140
bis(2-Chloroethyl)ether	ND<10	73	40-140
Phenol	ND<20	33	30-130
Aniline	ND<20	100	30-130
2-Chlorophenol	ND<20	73	30-130
1,3-Dichlorobenzene	ND<5.0	73	40-140
1,4-Dichlorobenzene	ND<5.0	77	40-140
Benzyl Alcohol	ND<20	67	30-130
1,2-Dichlorobenzene	ND<5.0	73	40-140
bis(2-chloroisopropyl)ether	ND<10	63	40-140
Hexachloroethane	ND<3.0	73	40-140
N-Nitroso-di-n-propylamine	ND<10	83	40-140
2-Methyl Phenol	ND<20	63	30-130
3+4 Methyl Phenol	ND<20	60	30-130
Nitrobenzene	ND<20	73	40-140
Isophorone	ND<20	83	40-140
2-Nitrophenol	ND<20	77	30-130
2,4-Dimethylphenol	ND<20	63	30-130

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Semi-Volatile Organics Date Analyzed: 3/9/2013 Batch ID: 84689

Analyte	Blank	LCS%Rec	LCS CL
bis(2-Chloroethoxy)methane	ND<20	80	40-140
Benzoic Acid	ND<20	27 L	40-140
2,4-Dichlorophenol	ND<20	83	30-130
1,2,4-Trichlorobenzene	ND<5.0	77	40-140
Naphthalene	ND<1.0	77	40-140
2,6-Dichlorophenol	ND<20	77	30-130
4-Chloroaniline	ND<20	177 H	30-130
1,2,4,5 Tetrachlorobenzene	ND<20	83	40-140
Hexachlorobutadiene	ND<20	77	40-140
4-Chloro-3-methylphenol	ND<20	87	30-130
2-Methyl Naphthalene	ND<1.0	83	40-140
Hexachlorocyclopentadiene	ND<20	100	40-140
2,4,6-Trichlorophenol	ND<20	90	30-130
2,4,5-Trichlorophenol	ND<20	93	30-130
2-Chloronaphthalene	ND<20	83	40-140
2-Nitroaniline	ND<20	93	30-130
Acenaphthylene	ND<0.30	87	40-140
Dimethylphthalate	ND<20	93	40-140
2,6-Dinitrotoluene	ND<75	97	40-140
4-Nitroaniline	ND<20	117	30-130
Acenaphthene	ND<1.0	87	40-140
2,4-Dinitrophenol	ND<20	50	30-130
2,4-Dinitrotoluene	ND<75	97	40-140
4-Nitrophenol	ND<75	37	30-130
Dibenzofuran	ND<1.0	90	40-140
2,3,4,6-Tetrachlorophenol	ND<20	97	30-130
Fluorene	ND<1.0	93	40-140
4-Chlorophenyl-phenylether	ND<20	90	40-140
Diethylphthalate	ND<20	93	40-140
3-Nitroaniline	ND<20	157 H	30-130
4,6-Dinitro-2-methylphenol	ND<20	67	30-130
n-Nitrosodiphenylamine	ND<20	110	40-140
1,2-Diphenylhydrazine	ND<20	87	40-140
4-Bromophenyl-phenylether	ND<20	93	40-140
Hexachlorobenzene	ND<0.077	93	40-140
Pentachlorophenol	ND<1.0	83	30-130
Phenanthrene	ND<0.077	90	40-140
Anthracene	ND<1.0	90	40-140
Carbazole	ND<1.0	120	40-140
Di-n-butylphthalate	ND<20	93	40-140
Pentachloronitrobenzene	ND<20	127	40-140
Fluoranthene	ND<1.0	93	40-140
Pyrene	ND<1.0	93	40-140
Butylbenzylphthalate	ND<20	93	40-140
3,3-Dichlorobenzidine	ND<75	80	40-140
Benzo[a]anthracene	ND<0.06	97	40-140
Chrysene	ND<1.0	97	40-140
bis(2-Ethylhexyl)phthalate	ND<2.0	93	40-140
Di-n-octylphthalate	ND<20	97	30-130

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Semi-Volatile Organics Date Analyzed: 3/9/2013 Batch ID: 84689

Analyte	Blank	LCS%Rec	LCS CL
Benzo[b]fluoranthene	ND<0.08	90	40-140
Benzo[k]fluoranthene	ND<0.30	93	40-140
Benzo[a]pyrene	ND<0.20	97	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	117	40-140
Dibenz[a,h]anthracene	ND<0.20	117	40-140
Benzo[g,h,i]perylene	ND<1.0	117	40-140

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202

QA Type: Conn. Extractable TPH Date Analyzed: 3/9/2013 Batch ID: 84690

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<0.10	83	60-120

All associated samples: AF26196

QA Type: Conn. Extractable TPH Date Analyzed: 3/11/2013 Batch ID: 84702

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<0.10	74	60-120

All associated samples: AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Ammonia as N Date Analyzed: 3/11/2013 Batch ID: 84703

Analyte	Blank	LCS%Rec	LCS CL
Ammonia as N	ND<0.10	94	67-111

All associated samples: AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Dissolved Metals Date Analyzed: 3/11/2013 Batch ID: 84704

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	97	80-120
Selenium	ND<0.002	101	80-120
Cadmium	ND<0.001	98	80-120
Chromium	ND<0.001	96	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	102	80-120
Copper	ND<0.001	97	80-120
Nickel	ND<0.001	98	80-120
Zinc	ND<0.002	102	80-120
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	100	80-120
Thallium	0.001	94	80-120
Manganese	ND<0.001	94	80-120
Iron	ND<0.01	94	80-120
Mercury	ND<0.0002	101	80-120

All associated samples: AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Dissolved Metals Date Analyzed: 3/11/2013 Batch ID: 84705

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	97	80-120
Selenium	ND<0.002	101	80-120
Cadmium	ND<0.001	98	80-120
Chromium	ND<0.001	96	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	102	80-120
Copper	ND<0.001	97	80-120
Nickel	ND<0.001	98	80-120
Zinc	ND<0.002	102	80-120

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Dissolved Metals Date Analyzed: 3/11/2013 Batch ID: 84705

Analyte	Blank	LCS%Rec	LCS CL
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	100	80-120
Thallium	0.001	94	80-120
Manganese	ND<0.001	94	80-120
Iron	ND<0.01	94	80-120
Mercury	ND<0.0002	101	80-120

All associated samples: AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: EPA 8082 PCBs Date Analyzed: 3/9/2013 Batch ID: 84708

Analyte	Blank	LCS%Rec	LCS CL
PCB-1016	ND<0.50	83	40-140
PCB-1260	ND<0.50	96	40-140

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Semi-Volatile Organics Date Analyzed: 3/9/2013 Batch ID: 84711

Analyte	Blank	LCS%Rec	LCS CL
Pyridine	ND<4.0	43	30-130
n-Nitroso-dimethylamine	ND<20	47	40-140
bis(2-Chloroethyl)ether	ND<10	73	40-140
Phenol	ND<20	33	30-130
Aniline	ND<20	100	30-130
2-Chlorophenol	ND<20	73	30-130
1,3-Dichlorobenzene	ND<5.0	73	40-140
1,4-Dichlorobenzene	ND<5.0	77	40-140
Benzyl Alcohol	ND<20	67	30-130
1,2-Dichlorobenzene	ND<5.0	73	40-140
bis(2-chloroisopropyl)ether	ND<10	63	40-140
Hexachloroethane	ND<3.0	73	40-140
N-Nitroso-di-n-propylamine	ND<10	83	40-140
2-Methyl Phenol	ND<20	63	30-130
3+4 Methyl Phenol	ND<20	60	30-130
Nitrobenzene	ND<20	73	40-140
Isophorone	ND<20	83	40-140
2-Nitrophenol	ND<20	77	30-130
2,4-Dimethylphenol	ND<20	63	30-130
bis(2-Chloroethoxy)methane	ND<20	80	40-140
Benzoic Acid	ND<20	27 L	40-140
2,4-Dichlorophenol	ND<20	83	30-130
1,2,4-Trichlorobenzene	ND<5.0	77	40-140
Naphthalene	ND<1.0	77	40-140
2,6-Dichlorophenol	ND<20	77	30-130
4-Chloroaniline	ND<20	177 H	30-130
1,2,4,5 Tetrachlorobenzene	ND<20	83	40-140
Hexachlorobutadiene	ND<20	77	40-140
4-Chloro-3-methylphenol	ND<20	87	30-130
2-Methyl Naphthalene	ND<1.0	83	40-140
Hexachlorocyclopentadiene	ND<20	100	40-140
2,4,6-Trichlorophenol	ND<20	90	30-130
2,4,5-Trichlorophenol	ND<20	93	30-130
2-Chloronaphthalene	ND<20	83	40-140
2-Nitroaniline	ND<20	93	30-130
Acenaphthylene	ND<0.30	87	40-140
Dimethylphthalate	ND<20	93	40-140

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Semi-Volatile Organics Date Analyzed: 3/9/2013 Batch ID: 84711

Analyte	Blank	LCS%Rec	LCS CL
2,6-Dinitrotoluene	ND<75	97	40-140
4-Nitroaniline	ND<20	117	30-130
Acenaphthene	ND<1.0	87	40-140
2,4-Dinitrophenol	ND<20	50	30-130
2,4-Dinitrotoluene	ND<75	97	40-140
4-Nitrophenol	ND<75	37	30-130
Dibenzofuran	ND<1.0	90	40-140
2,3,4,6-Tetrachlorophenol	ND<20	97	30-130
Fluorene	ND<1.0	93	40-140
4-Chlorophenyl-phenylether	ND<20	90	40-140
Diethylphthalate	ND<20	93	40-140
3-Nitroaniline	ND<20	157 H	30-130
4,6-Dinitro-2-methylphenol	ND<20	67	30-130
n-Nitrosodiphenylamine	ND<20	110	40-140
1,2-Diphenylhydrazine	ND<20	87	40-140
4-Bromophenyl-phenylether	ND<20	93	40-140
Hexachlorobenzene	ND<0.077	93	40-140
Pentachlorophenol	ND<1.0	83	30-130
Phenanthrene	ND<0.077	90	40-140
Anthracene	ND<1.0	90	40-140
Carbazole	ND<1.0	120	40-140
Di-n-butylphthalate	ND<20	93	40-140
Pentachloronitrobenzene	ND<20	127	40-140
Fluoranthene	ND<1.0	93	40-140
Pyrene	ND<1.0	93	40-140
Butylbenzylphthalate	ND<20	93	40-140
3,3-Dichlorobenzidine	ND<75	80	40-140
Benzo[a]anthracene	ND<0.06	97	40-140
Chrysene	ND<1.0	97	40-140
bis(2-Ethylhexyl)phthalate	ND<2.0	93	40-140
Di-n-octylphthalate	ND<20	97	30-130
Benzo[b]fluoranthene	ND<0.08	90	40-140
Benzo[k]fluoranthene	ND<0.30	93	40-140
Benzo[a]pyrene	ND<0.20	97	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	117	40-140
Dibenz[a,h]anthracene	ND<0.20	117	40-140
Benzo[g,h,i]perylene	ND<1.0	117	40-140

All associated samples: AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: Total Mercury Date Analyzed: 3/12/2013 Batch ID: 84716

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.0004	104	90-110

All associated samples: AF26205 AF26206 AF26207

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/11/2013 Batch ID: 84720

Analyte	Blank	LCS%Rec	LCS CL
4,4-DDD	ND<0.10	94	40-140
4,4-DDE	ND<0.10	90	40-140
4,4-DDT	ND<0.10	101	40-140
4,4-Methoxychlor	ND<0.10	113	40-140
Alachlor	ND<0.10	87	40-140
Aldrin	ND<0.10	81	40-140
Alpha-BHC	ND<0.10	84	40-140
Beta-BHC	ND<0.10	86	40-140

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/11/2013 Batch ID: 84720

Analyte	Blank	LCS%Rec	LCS CL
Delta-BHC	ND<0.10	97	40-140
Dieldrin	ND<0.002	95	40-140
Endosulfan I	ND<0.10	88	40-140
Endosulfan II	ND<0.10	87	40-140
Endosulfan Sulfate	ND<0.10	103	40-140
Endrin	ND<0.10	83	40-140
Endrin Aldehyde	ND<0.10	140	40-140
Endrin Ketone	ND<0.10	108	40-140
Gamma-BHC	ND<0.10	86	40-140
Heptachlor	ND<0.10	83	40-140
Heptachlor Epoxide	ND<0.10	92	40-140

All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/13/2013 Batch ID: 84741

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-T	ND<0.40	138	40-140
2,4-D	ND<2.0	118	40-140
2,4-DB	ND<4.0	138	40-140
3,5-Dichlorobenzoic acid	ND<0.40	121	40-140
4-Nitrophenol	ND<2.0	134	40-140
Dalapon	ND<4.0	42	40-140
Dicamba	ND<0.40	114	40-140
Dichloroprop	ND<2.0	125	40-140
Dinoseb	ND<0.40	106	40-140
PCP	ND<0.10	130	40-140
Picloram	ND<0.40	79	40-140
Silvex	ND<0.40	138	40-140

All associated samples: AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

Matrix Spike Report

QA Type: Conn. Extractable TPH Date Analyzed: 3/11/2013 Sample ID: AF26197 Client ID: MW-25AOB

Analyte	SampRes	Amt	MS%R	MS CL
ETPH	ND<0.10	5	74	50-150

QA Type: Volatile Organics Date Analyzed: 3/5/2013 Sample ID: AF26199 Client ID: MW-25R

Analyte	SampRes	Amt	MS%R	MS CL
Dichlorodifluoromethane	ND<10	50	82	70-130
Chloromethane	ND<2.7	50.0	79	70-130
Vinyl Chloride	ND<1.6	50.0	80	70-130
Bromomethane	ND<5.0	50.0	81	70-130
Chloroethane	ND<5.0	50.0	80	70-130
Acetone	ND<50	100	77	70-130
Acrylonitrile	ND<0.50	50	82	70-130
Trichlorofluoromethane	ND<25	50	84	70-130
Trichlorotrifluoroethane	ND<25	50	66 L	70-130
1,1-Dichloroethene	ND<1.0	50.0	73	70-130
Methylene Chloride	ND<5.0	50.0	137 H	70-130
Carbon Disulfide	ND<5.0	50.0	62 L	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	50.0	87	70-130
trans-1,2-Dichloroethene	ND<1.0	50.0	78	70-130
1,1-Dichloroethane	ND<1.0	50.0	79	70-130
2-Butanone (MEK)	ND<25	100	75	70-130
2,2-Dichloropropane	ND<1.0	50.0	73	70-130
cis-1,2-Dichloroethene	ND<1.0	50.0	81	70-130
Chloroform	ND<1.0	50.0	80	70-130
Tetrahydrofuran	ND<5.0	50.0	84	70-130
1,1,1-Trichloroethane	ND<1.0	50.0	86	70-130
Carbon Tetrachloride	ND<1.0	50.0	81	70-130
1,1-Dichloropropene	ND<1.0	50.0	88	70-130
Benzene	ND<1.0	50.0	89	70-130
1,2-Dichloroethane	ND<1.0	50.0	84	70-130
Methyl Isobutyl Ketone	ND<25	100	92	70-130
Trichloroethene	1.9	50.0	91	70-130
1,2-Dichloropropane	ND<1.0	50.0	90	70-130
Dibromomethane	ND<1.0	50.0	94	70-130
Bromodichloromethane	ND<0.50	50.0	88	70-130
2-Hexanone	ND<25	100	84	70-130
cis-1,3-Dichloropropene	ND<0.50	50.0	89	70-130
Toluene	ND<1.0	50.0	91	70-130
trans-1,3-Dichloropropene	ND<0.50	50.0	86	70-130
1,1,2-Trichloroethane	ND<1.0	50.0	91	70-130
Tetrachloroethene	ND<1.0	50.0	92	70-130
1,3-Dichloropropane	ND<0.50	50.0	86	70-130
Dibromochloromethane	ND<0.50	50.0	77	70-130
1,2-Dibromoethane	ND<0.50	50.0	82	70-130
Chlorobenzene	ND<1.0	50.0	77	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	50.0	78	70-130
Ethylbenzene	ND<1.0	50.0	82	70-130
m+p Xylenes	ND<1.0	100.0	80	70-130
o-Xylene	ND<1.0	50.0	83	70-130
Styrene	ND<1.0	50.0	82	70-130

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

QA Type: Volatile Organics Date Analyzed: 3/5/2013 Sample ID: AF26199 Client ID: MW-25R

Analyte	SampRes	Amt	MS%R	MS CL
Bromoform	ND<1.0	50.0	83	70-130
Isopropylbenzene	ND<1.0	50.0	83	70-130
1,1,2,2-Tetrachloroethane	ND<0.50	50.0	82	70-130
Bromobenzene	ND<1.0	50.0	99	70-130
1,2,3-Trichloropropane	ND<1.0	50.0	95	70-130
n-Propylbenzene	ND<1.0	50.0	95	70-130
2-Chlorotoluene	ND<1.0	50.0	91	70-130
4-Chlorotoluene	ND<1.0	50.0	75	70-130
1,3,5-Trimethylbenzene	ND<1.0	50.0	108	70-130
tert-Butylbenzene	ND<1.0	50.0	105	70-130
1,2,4-Trimethylbenzene	ND<1.0	50.0	105	70-130
sec-Butylbenzene	ND<1.0	50.0	104	70-130
1,3-Dichlorobenzene	ND<1.0	50.0	100	70-130
4-Isopropyltoluene	ND<1.0	50.0	109	70-130
1,4-Dichlorobenzene	ND<1.0	50.0	97	70-130
1,2-Dichlorobenzene	ND<1.0	50.0	101	70-130
n-Butylbenzene	ND<1.0	50.0	104	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	50.0	105	70-130
1,2,4-Trichlorobenzene	ND<1.0	50.0	102	70-130
Hexachlorobutadiene	ND<0.45	50.00	92	70-130
Naphthalene	ND<1.0	50.0	97	70-130
1,2,3-Trichlorobenzene	ND<1.0	50.0	98	70-130

QA Type: Total Mercury Date Analyzed: 3/12/2013 Sample ID: AF26205 Client ID: MW-27OB

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Total Mercury	ND<0.0004	0.0050	100	100	75-125	0.00	20

QA Type: Ammonia as N Date Analyzed: 3/11/2013 Sample ID: AF26207 Client ID: FB030413

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Ammonia as N	ND<0.10	5.0	100	99	76-100	0.80	20

ND is not detected

Initial Cal. Report

Compound	Batch#	%RSD	Limits
Initial Calibration VOC			
Naphthalene	84600	26 H	20
All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207 AF26208			
Initial Calibration SVOC			
Aniline	84689	21 H	20
4-Chloroaniline	84689	43 H	20
Hexachlorocyclopentadiene	84689	29 H	20
2,4-Dinitrophenol	84689	28 H	20
3-Nitroaniline	84689	32 H	20
All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202			
Initial Calibration SVOC			
Aniline	84711	21 H	20
4-Chloroaniline	84711	43 H	20
Hexachlorocyclopentadiene	84711	29 H	20
2,4-Dinitrophenol	84711	28 H	20
3-Nitroaniline	84711	32 H	20
All associated samples: AF26203 AF26204 AF26205 AF26206 AF26207			

Cont. Cal. Report

Compound	Batch#	Result	Limits	Analysis Date
Volatile Organics Cont Cal				
Dichlorodifluoromethane	84600	70 H	35-65	3/5/2013
All associated samples: AF26196 AF26197 AF26198 AF26199 AF26200 AF26201 AF26202 AF26203 AF26204 AF26205 AF26206 AF26207 AF26208				

QC Batch Report

Volatile Organics Batch 84600

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013
AF26208	TB030413	Water	3/4/2013

Chloride Batch 84603

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Nitrate as N Batch 84604

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Sulfate Batch 84605

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Total Metals Batch 84634

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Total Metals Batch 84635

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Dissolved Metals Batch 84647

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013

EPA 8151A Chlorinated Herbicides Batch 84652

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013

Total Mercury Batch 84665

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013

Ammonia as N Batch 84676

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013

Semi-Volatile Organics Batch 84689

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013

Conn. Extractable TPH Batch 84690

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013

Conn. Extractable TPH Batch 84702

CET ID	Client Sample ID	Matrix	Collection Date
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Ammonia as N Batch 84703

CET ID	Client Sample ID	Matrix	Collection Date
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Dissolved Metals Batch 84704

CET ID	Client Sample ID	Matrix	Collection Date
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Dissolved Metals Batch 84705

CET ID	Client Sample ID	Matrix	Collection Date
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

EPA 8082 PCBs Batch 84708

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Semi-Volatile Organics Batch 84711

CET ID	Client Sample ID	Matrix	Collection Date
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Total Mercury Batch 84716

CET ID	Client Sample ID	Matrix	Collection Date
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

EPA 8081B Chlorinated Pesticides Batch 84720

CET ID	Client Sample ID	Matrix	Collection Date
AF26196	MW-25OB	Water	3/4/2013
AF26197	MW-25AOB	Water	3/4/2013
AF26198	MW-13OB	Water	3/4/2013
AF26199	MW-25R	Water	3/4/2013
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030053

EPA 8151A Chlorinated Herbicides Batch 84741

CET ID	Client Sample ID	Matrix	Collection Date
AF26200	MW-13R	Water	3/4/2013
AF26201	MW-23OB	Water	3/4/2013
AF26202	MW-23R	Water	3/4/2013
AF26203	MW-22OB	Water	3/4/2013
AF26204	MW-22R	Water	3/4/2013
AF26205	MW-27OB	Water	3/4/2013
AF26206	MW-27R	Water	3/4/2013
AF26207	FB030413	Water	3/4/2013

Narrative

4. Dichlorodifluoromethane LCS recovery high (144%) for batch 84600.
   Benzoic Acid LCS recovery low (27%) for batch 84689.
   4-Chloroaniline LCS recovery high (177%) for batch 84689.
   3-Nitroaniline LCS recovery high (157%) for batch 84689.
   Dissolved ThalliumLCS blank detected as 0.001 for batch 84704.
   Dissolved ThalliumLCS blank detected as 0.001 for batch 84705.
   Benzoic Acid LCS recovery low (27%) for batch 84711.
   4-Chloroaniline LCS recovery high (177%) for batch 84711.
   3-Nitroaniline LCS recovery high (157%) for batch 84711.
   Trichlorotrifluoroethane matrix spike recovery low (66%) for sample AF26199.
   Methylene Chloride matrix spike recovery high (137%) for sample AF26199.
   Carbon Disulfide matrix spike recovery low (62%) for sample AF26199.
   Naphthalene Initial Cal % RSD high(26%) for batch 84600.
   Aniline Initial Cal % RSD high(21%) for batch 84689.
   4-Chloroaniline Initial Cal % RSD high(43%) for batch 84689.
   Hexachlorocyclopentadiene Initial Cal % RSD high(29%) for batch 84689.
   2,4-Dinitrophenol Initial Cal % RSD high(28%) for batch 84689.
   3-Nitroaniline Initial Cal % RSD high(32%) for batch 84689.
   Aniline Initial Cal % RSD high(21%) for batch 84711.
   4-Chloroaniline Initial Cal % RSD high(43%) for batch 84711.
   Hexachlorocyclopentadiene Initial Cal % RSD high(29%) for batch 84711.
   2,4-Dinitrophenol Initial Cal % RSD high(28%) for batch 84711.
   3-Nitroaniline Initial Cal % RSD high(32%) for batch 84711.
   Dichlorodifluoromethane CC high for batch 84600.

6. The client has requested a subset of the RCP Metals list.

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
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Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Std. (IS)	An analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Rec.(Surr Rec)	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period. Samples are of the same matrix.
ND	Not detected.
Dilution	Multiplier applied to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Samp. Res.	Amount of analyte found in a sample.
Spk. Amt. (Amt)	Amount of analyte added to a sample.
Spk. Res.	Amount of analyte found including amount that was spiked.
Spk. Dup. Res.	Amount of analyte found in duplicate spikes including amount that was spiked.
MS%R	% recovery of spiked amount in sample.
MSD%R	% recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between MS and MSD
Blank	Method blank that has been taken through all steps of the analysis.
LCS % Rec.	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Control Limits	A range within which specified measurement results must fall to be compliant.
LCS CL	Control limits for Laboratory Control Sample.
MS CL	Control limits for matrix spike and matrix spike dup.
RPD CL	Control limits for RPD.
Cont. Cal. (CC)	Continuing Calibration

Flags:

H-	Recovery is above control limits
L-	Recovery is below control limits
B-	Compound detected in the Blank
P-	RPD of dual column results exceeds 40%
#-	Sample result too high for accurate spike recovery

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
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Tel: (203) 377-9984
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Client: Mr. Chris Carlson
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET # 13030171

Report Date: March 22, 2013
Client Project: Scofieldtown Landfill Closure, Stamford
Client Project #: 191277.000000.000000
Client P.O. #: 55015

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date	Collection Time	Receipt Date
AF26607	SW-09	Water	3/11/2013	8:45	03/11/2013
AF26608	SW-08	Water	3/11/2013	9:15	03/11/2013
AF26609	SW-07	Water	3/11/2013	9:50	03/11/2013
AF26610	SW-06	Water	3/11/2013	10:30	03/11/2013
AF26611	SW-10	Water	3/11/2013	10:45	03/11/2013
AF26612	SW-05	Water	3/11/2013	11:45	03/11/2013
AF26613	SW-04	Water	3/11/2013	12:45	03/11/2013
AF26614	SW-03	Water	3/11/2013	14:30	03/11/2013
AF26615	SW-02	Water	3/11/2013	15:00	03/11/2013
AF26616	SW-01	Water	3/11/2013	15:25	03/11/2013

Sample temperature upon receipt was 3.6 degrees C

PREP ANALYSIS:

Acid Digestion of Waters [EPA 3005A]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013

Acid Digestion of Waters [EPA 3005A]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/18/2013	3/18/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013	3/12/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013	3/12/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013

ANALYSIS:

Chloride Dup Result [EPA 300.0] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/21/2013
Chloride Dup Result	93

Ammonia as N Dup Result [SM4500-NH3 H] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/18/2013
Ammonia as N Dup Result	0.21

Nitrate as N Dup Res [EPA 300.0] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/12/2013-15:52
Nitrate as N Dup Res	0.83

Sulfate Dup Result [EPA 300.0] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/13/2013
Sulfate Dup Result	15

Mercury Dup Result [EPA 7470A] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/13/2013
Mercury Dup Result	ND < 0.0004

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Alkalinity, Tot(CaCO3)	25	30	98	43	40

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Alkalinity, Tot(CaCO3)	65	35	90	45	15

Chloride [EPA 300.0] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/21/2013	3/13/2013	3/21/2013	3/21/2013	3/21/2013
Chloride	57	50	94	94	94

Chloride [EPA 300.0] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/21/2013	3/21/2013	3/21/2013	3/21/2013	3/21/2013
Chloride	100	95	440	380	190

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013
Ammonia as N	0.11	0.12	0.21	0.21	0.21

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013
Ammonia as N	0.62	0.15	0.12	0.13	0.13

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013-14:46	3/12/2013-15:02	3/12/2013-15:19	3/12/2013-15:35	3/12/2013-16:41
Nitrate as N	1.9	1.9	0.85	0.81	0.83

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/12/2013-16:58	3/12/2013-17:14	3/12/2013-17:47	3/12/2013-18:04	3/12/2013-18:20
Nitrate as N	0.93	0.80	0.64	0.47	0.28

Sulfate [EPA 300.0] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Sulfate	16	15	15	15	15

Sulfate [EPA 300.0] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Sulfate	13	15	22	22	18

Hardness [2340B] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Hardness	52	52	65	65	65

Hardness [2340B] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Hardness	83	73	91	83	66

Total Mercury [EPA 7470A] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Total Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Total Mercury [EPA 7470A] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Total Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23
Biochemical Oxygen Demand, 5 Day	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23
Biochemical Oxygen Demand, 5 Day	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Dissolved Solids	130	140	210	150	210

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Dissolved Solids	240	210	740	710	330

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Suspended Solids	17	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Suspended Solids	ND < 5.0	ND < 5.0	12	ND < 5.0	ND < 5.0

Total Metals [EPA 200.7] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Manganese	ND < 0.02	ND < 0.02	0.05	0.05	0.052
Sodium	36	29	56	56	56
Potassium	2.6	2.5	3.0	3.0	3.0
Iron	0.14	0.14	1.0	1.0	1.0

Total Metals [EPA 200.7] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	0.039	0.061	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Manganese	0.14	0.046	0.022	0.081	0.37
Sodium	62	64	270	240	110
Potassium	4.1	4.0	5.8	3.3	2.6
Iron	5.7	0.34	0.74	0.38	0.64

Total Metals by ICAP Dup Result [EPA 200.7] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/13/2013
Dilution	1.0
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.004
Silver	ND < 0.012
Copper	ND < 0.04
Nickel	ND < 0.05
Zinc	ND < 0.02
Beryllium	ND < 0.004
Antimony	ND < 0.05
Thallium	ND < 0.05
Manganese	0.05
Sodium	55
Potassium	3.0
Iron	1.0

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Manganese	0.028	0.021	0.042	0.039	0.037
Iron	ND < 0.10	ND < 0.10	0.54	0.59	0.61

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	0.037	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Manganese	0.13	ND < 0.02	ND < 0.02	0.081	0.36
Iron	5.0	ND < 0.10	ND < 0.10	0.45	0.27

Duplicate for Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/19/2013
Dilution	1.0
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.004
Silver	ND < 0.012
Copper	ND < 0.04
Nickel	ND < 0.05
Zinc	ND < 0.02
Beryllium	ND < 0.004
Antimony	ND < 0.006
Thallium	ND < 0.005
Manganese	0.036
Iron	0.74

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1	1	1	1	1
4,4-DDD	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
Alachlor	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Heptachlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80
TCMX (Surr 1)	143	129	88	84	84
DCB (Surr 2)	146	129	58	73	53

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1	1	1	1	1
4,4-DDD	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alachlor	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Heptachlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80
TCMX (Surr 1)	87	97	95	89	95
DCB (Surr 2)	61	53	74	67	79

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/15/2013	3/15/2013	3/15/2013
Dilution	1.0	1.0	1.0	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	84	91	83	75	79
DCB (Surr 2) 50-150	109	109	59	67	50

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Dilution	1.0	1.0	1.0	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	85	83	82	83	86
DCB (Surr 2) 50-150	50	50	54	55	62

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/20/2013	3/20/2013	3/20/2013	3/20/2013	3/20/2013
Dilution	1.0	1.0	1.0	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
DCPAA (Surr)	67	68	64	65	56

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/20/2013	3/20/2013	3/20/2013	3/20/2013	3/20/2013
Dilution	1.0	1.0	1.0	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
DCPAA (Surr)	70	68	65	70	75

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Aniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
bis(2-chloroisopropyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobutadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
4-Chloro-3-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
n-Nitrosodiphenylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluoranthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Pyrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Butylbenzylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3,3-Dichlorobenzidine	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Benzo[a]anthracene	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Benzo[a]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	29	23	30	29	30
Phenol-d6(Surr) -	19	17	20	20	21
Nitrobenzene-d5(Surr) 30-130	48	51	55	67	68
2-Fluorobiphenyl (Surr) 30-130	52	56	60	67	71
2,4,6-Tribromophenol (Surr) 15-110	74	74	90	98	94
Terphenyl-d14 (Surr) 30-130	60	70	70	71	69

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Aniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
bis(2-chloroisopropyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobutadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloro-3-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
n-Nitrosodiphenylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluoranthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Pyrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Butylbenzylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3,3-Dichlorobenzidine	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Benzo[a]anthracene	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Benzo[a]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	27	27	29	28	27
Phenol-d6(Surr) -	18	17	20	18	18
Nitrobenzene-d5(Surr) 30-130	59	49	67	56	63
2-Fluorobiphenyl (Surr) 30-130	60	50	70	58	65
2,4,6-Tribromophenol (Surr) 15-110	78	67	100	82	90
Terphenyl-d14 (Surr) 30-130	70	67	92	84	89

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Dilution	1.0	1.0	1.0	1.0	1.0
ETPH	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Octacosane (surr) 50-150	77	64	71	78	74

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/16/2013	3/16/2013
Dilution	1.0	1.0	1.0	1.0	1.0
ETPH	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Octacosane (surr) 50-150	76	68	67	63	62

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/14/2013	3/14/2013	3/14/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	103	106	109	112	110
toluene-d8 (SURR) 70-130	99.4	100	94.2	94.7	94.9
4-bromofluorobenzene (SURR) 70-130	113	112	96.5	97.1	95.8

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.8
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chlorobenzene	1.7	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	110	110	112	112	109
toluene-d8 (SURR) 70-130	95.4	94.2	95	96	95.4
4-bromofluorobenzene (SURR) 70-130	96.9	95.8	95.5	96.9	97.1

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/14/2013
Dilution	1.0
Dichlorodifluoromethane	ND < 10
Chloromethane	ND < 2.7
Vinyl Chloride	ND < 1.6
Bromomethane	ND < 5.0
Chloroethane	ND < 5.0
Acetone	ND < 50
Acrylonitrile	ND < 20
Trichlorofluoromethane	ND < 25
Trichlorotrifluoroethane	ND < 25
1,1-Dichloroethene	ND < 1.0
Methylene Chloride	ND < 5.0
Carbon Disulfide	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0
1,1-Dichloroethane	ND < 1.0
2-Butanone (MEK)	ND < 25
2,2-Dichloropropane	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0
Chloroform	ND < 1.0
Tetrahydrofuran	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0
Carbon Tetrachloride	ND < 1.0
1,1-Dichloropropene	ND < 1.0
Benzene	ND < 1.0
1,2-Dichloroethane	ND < 1.0
Methyl Isobutyl Ketone	ND < 25
Trichloroethene	ND < 1.0
1,2-Dichloropropane	ND < 1.0
Dibromomethane	ND < 1.0
Bromodichloromethane	ND < 0.5
2-Hexanone	ND < 25
cis-1,3-Dichloropropene	ND < 0.5
Toluene	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.5
1,1,2-Trichloroethane	ND < 1.0
Tetrachloroethene	ND < 1.0
1,3-Dichloropropane	ND < 1.0
Dibromochloromethane	ND < 0.5
1,2-Dibromoethane	ND < 0.5
trans-1,4-Dichloro-2-Butene	ND < 10
Chlorobenzene	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0
Ethylbenzene	ND < 1.0
m+p Xylenes	ND < 1.0
o-Xylene	ND < 1.0
Styrene	ND < 1.0
Bromoform	ND < 1.0
Isopropylbenzene	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.5
Bromobenzene	ND < 1.0

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	SW-06
1,2,3-Trichloropropane	ND < 1.0
n-Propylbenzene	ND < 1.0
2-Chlorotoluene	ND < 1.0
4-Chlorotoluene	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0
tert-Butylbenzene	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0
sec-Butylbenzene	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0
4-Isopropyltoluene	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0
n-Butylbenzene	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0
Hexachlorobutadiene	ND < 0.45
Naphthalene	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	110
toluene-d8 (SURR) 70-130	95
4-bromofluorobenzene (SURR) 70-130	98

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. Sample Result Flags:
   E - The result is estimated, above the calibration range.
   H - The surrogate recovery is above the control limits.
   L - The surrogate recovery is below the control limits.
   B - The compound was detected in the laboratory blank.
   P - The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
   D - The RPD between the sample and the sample duplicate is high. Sample homogeneity may be a problem.
5. All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

CET
COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

Volatile Soils Only: 13030171

Date and Time in Freezer

Client: [redacted]

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

Sample ID	Date/Time	Matrix (A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette, Solid, Wipe, Other (Specify))	Same Day	24 Hours	2-3 Days	Standard	8260 CT List	8260 Aromatics	8260 Halogens	SPLP 8260	TCLP 8260	TPH (418.1)	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter ***	Total K & Na	Herbicides	Ammonia (as Nitrogen)	TKD Fe & Mn	TDS, TSS, ALKALINITY	Hardness, NO3	Chlorides, Sulfates	BOD		TOTAL # OF CONT.	NOTE #
SW-09	3/11/13 0845	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-08	0915	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-07	0950	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-06	1030	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		33 ①	
SW-10	1045	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-05	1145	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-04	1245	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-03	1430	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-02	1500	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-01	1525	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)																																			
CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)																																			
Soil VOCs Only (M=MeOH B= Sodium Bisulfate W=Water F= Empty Vial E=Encore)																																			

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	3/11/13 1725	[signature]
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES:
① MS/MSD volume included.

Client / Reporting Information

Company Name: TRC
Address: 21 Griffin Road North
City: Windsor State: CT Zip: 06095
Report To: Chris Carlson E-mail: ccarlson@trcsolutions.com
Phone #: 860-989-5416 Fax #: 860-298-6399

Project Information

Project Contact: Chris Carlson PO #:
Project: Scofieldtown Landfill Closure Project #: 191277.000000.000000
Location: Stamford, CT Collector(s): C. Carlson

QA/QC: ☐ Std ☐ Site Specific (MS/MSD) * ☐ RCP Pkg *
Data Report: ☒ Email ☒ PDF ☒ Excel ☐ Other
RSR Reporting Limits (check one): ☒ GA ☐ GB ☐ SWP ☐ Other (Specify)

[redacted]

SHEET 1 OF 1

* Additional charge may apply. ** TAT begins when the samples are received at the Lab. TAT for samples received after 3 p.m. will start on the next business day.

REV. 5/9/06

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc.

Client: TRC Environmental Consultants

Project Location: Scofieldtown Landfill Closure, Stamford

Project Number: 191277.000000.000000

Laboratory Sample ID(s): AF26607 – AF26616

Sampling Date(s): 3/11/13

List RCP Methods Used (e.g., 8260, 8270, et cetera):

CET#: 13030171

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☐Yes ☒No
1A	Were the method specified preservation and holding time requirements met?	☒Yes ☐No
1B	**VPH and EPH Methods only:** Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒Yes ☐No
3	Were samples received at an appropriate temperature (<6°C)?	☒Yes ☐ No ☐N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐Yes ☒No
5	a) Were reporting limits specified or referenced on the chain-of custody? b) Were these reporting limits met?	☒Yes ☐No ☒Yes ☐No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐Yes ☒No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒Yes ☐No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____ **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 3/27/13

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

COMPLETE ENVIRONMENTAL TESTING, INC.

80Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

QA Report

Project: Scofieldtown Landfill Closure, Stamford
CET#: 13030171

Blank/LCS Report

QA Type: Total Mercury Date Analyzed: 3/13/2013 Batch ID: 84739

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.0004	94	90-110

All associated samples: AF26607 AF26608

QA Type: Total Mercury Date Analyzed: 3/13/2013 Batch ID: 84740

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.0004	94	90-110

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Chloride Date Analyzed: 3/21/2013 Batch ID: 84746

Analyte	Blank	LCS%Rec	LCS CL
Chloride	ND<5.0	95	90-110

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Chloride Date Analyzed: 3/21/2013 Batch ID: 84747

Analyte	Blank	LCS%Rec	LCS CL
Chloride	ND<5.0	95	90-110

All associated samples: AF26610

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Batch ID: 84748

Analyte	Blank	LCS%Rec	LCS CL
Nitrate as N	ND<0.10	100	90-110

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Batch ID: 84749

Analyte	Blank	LCS%Rec	LCS CL
Nitrate as N	ND<0.10	100	90-110

All associated samples: AF26610

QA Type: Sulfate Date Analyzed: 3/13/2013 Batch ID: 84750

Analyte	Blank	LCS%Rec	LCS CL
Sulfate	ND<0.10	101	90-110

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Sulfate Date Analyzed: 3/13/2013 Batch ID: 84751

Analyte	Blank	LCS%Rec	LCS CL
Sulfate	ND<0.10	101	90-110

All associated samples: AF26610

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84758

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	92	85-115
Selenium	ND<0.01	94	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	96	85-115
Silver	ND<0.012	93	85-115
Copper	ND<0.04	97	85-115
Nickel	ND<0.05	93	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	94	85-115
Antimony	ND<0.05	98	85-115
Thallium	ND<0.05	96	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	99	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	101	85-115

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84759

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	92	85-115
Selenium	ND<0.01	94	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	96	85-115
Silver	ND<0.012	93	85-115
Copper	ND<0.04	97	85-115
Nickel	ND<0.05	93	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	94	85-115
Antimony	ND<0.05	98	85-115
Thallium	ND<0.05	96	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	99	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	101	85-115

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84760

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	91	85-115
Selenium	ND<0.01	93	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	94	85-115
Silver	ND<0.012	100	85-115
Copper	ND<0.04	96	85-115
Nickel	ND<0.05	92	85-115
Zinc	ND<0.02	98	85-115

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84760

Analyte	Blank	LCS%Rec	LCS CL
Beryllium	ND<0.004	97	85-115
Antimony	ND<0.05	100	85-115
Thallium	ND<0.05	94	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	101	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	102	85-115

All associated samples: AF26610

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84761

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	91	85-115
Selenium	ND<0.01	93	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	94	85-115
Silver	ND<0.012	100	85-115
Copper	ND<0.04	96	85-115
Nickel	ND<0.05	92	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	96	85-115
Antimony	ND<0.05	100	85-115
Thallium	ND<0.05	94	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	101	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	102	85-115

All associated samples: AF26610

QA Type: Volatile Organics Date Analyzed: 3/13/2013 Batch ID: 84762

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	238 H	70-130
Chloromethane	ND<2.7	205 H	70-130
Vinyl Chloride	ND<1.6	192 H	70-130
Bromomethane	ND<5.0	166 H	70-130
Chloroethane	ND<5.0	144 H	70-130
Acetone	ND<50	113	70-130
Acrylonitrile	ND<20	102	70-130
Trichlorofluoromethane	ND<25	128	70-130
Trichlorotrifluoroethane	ND<25	96	70-130
1,1-Dichloroethene	ND<1.0	104	70-130
Methylene Chloride	ND<5.0	95	70-130
Carbon Disulfide	ND<5.0	118	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	101	70-130
trans-1,2-Dichloroethene	ND<1.0	106	70-130
1,1-Dichloroethane	ND<1.0	105	70-130
2-Butanone (MEK)	ND<25	80	70-130
2,2-Dichloropropane	ND<1.0	107	70-130
cis-1,2-Dichloroethene	ND<1.0	106	70-130
Chloroform	ND<1.0	101	70-130
Tetrahydrofuran	ND<5.0	101	70-130
1,1,1-Trichloroethane	ND<1.0	101	70-130
Carbon Tetrachloride	ND<1.0	107	70-130
1,1-Dichloropropene	ND<1.0	112	70-130

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Volatile Organics Date Analyzed: 3/13/2013 Batch ID: 84762

Analyte	Blank	LCS%Rec	LCS CL
Benzene	ND<1.0	110	70-130
1,2-Dichloroethane	ND<1.0	101	70-130
Methyl Isobutyl Ketone	ND<25	96	70-130
Trichloroethene	ND<1.0	102	70-130
1,2-Dichloropropane	ND<1.0	106	70-130
Dibromomethane	ND<1.0	103	70-130
Bromodichloromethane	ND<0.5	100	70-130
2-Hexanone	ND<25	95	70-130
cis-1,3-Dichloropropene	ND<0.5	108	70-130
Toluene	ND<1.0	110	70-130
trans-1,3-Dichloropropene	ND<0.5	103	70-130
1,1,2-Trichloroethane	ND<1.0	99	70-130
Tetrachloroethene	ND<1.0	114	70-130
1,3-Dichloropropane	ND<1.0	102	70-130
Dibromochloromethane	ND<0.5	84	70-130
1,2-Dibromoethane	ND<0.5	87	70-130
Chlorobenzene	ND<1.0	88	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	83	70-130
Ethylbenzene	ND<1.0	91	70-130
m+p Xylenes	ND<1.0	90	70-130
o-Xylene	ND<1.0	89	70-130
Styrene	ND<1.0	90	70-130
Bromoform	ND<1.0	80	70-130
Isopropylbenzene	ND<1.0	88	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	85	70-130
Bromobenzene	ND<1.0	92	70-130
1,2,3-Trichloropropane	ND<1.0	83	70-130
n-Propylbenzene	ND<1.0	96	70-130
2-Chlorotoluene	ND<1.0	81	70-130
4-Chlorotoluene	ND<1.0	117	70-130
1,3,5-Trimethylbenzene	ND<1.0	94	70-130
tert-Butylbenzene	ND<1.0	92	70-130
1,2,4-Trimethylbenzene	ND<1.0	96	70-130
sec-Butylbenzene	ND<1.0	95	70-130
1,3-Dichlorobenzene	ND<1.0	93	70-130
4-Isopropyltoluene	ND<1.0	97	70-130
1,4-Dichlorobenzene	ND<1.0	90	70-130
1,2-Dichlorobenzene	ND<1.0	91	70-130
n-Butylbenzene	ND<1.0	101	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	86	70-130
1,2,4-Trichlorobenzene	ND<1.0	111	70-130
Hexachlorobutadiene	ND<0.45	84	70-130
Naphthalene	ND<1.0	121	70-130
1,2,3-Trichlorobenzene	ND<1.0	121	70-130

All associated samples: AF26607 AF26608

QA Type: EPA 8082 PCBs Date Analyzed: 3/13/2013 Batch ID: 84764

Analyte	Blank	LCS%Rec	LCS CL
PCB-1016	ND<0.50	74	40-140
PCB-1260	ND<0.50	79	40-140

All associated samples: AF26607 AF26608 AF26609

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Batch ID: 84787

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	106	70-130
Chloromethane	ND<2.7	88	70-130
Vinyl Chloride	ND<1.6	80	70-130
Bromomethane	ND<5.0	87	70-130
Chloroethane	ND<5.0	85	70-130
Acetone	ND<50	102	70-130
Acrylonitrile	ND<20	100	70-130
Trichlorofluoromethane	ND<25	86	70-130
Trichlorotrifluoroethane	ND<25	102	70-130
1,1-Dichloroethene	ND<1.0	112	70-130
Methylene Chloride	ND<5.0	104	70-130
Carbon Disulfide	ND<5.0	111	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	75	70-130
trans-1,2-Dichloroethene	ND<1.0	100	70-130
1,1-Dichloroethane	ND<1.0	97	70-130
2-Butanone (MEK)	ND<25	94	70-130
2,2-Dichloropropane	ND<1.0	98	70-130
cis-1,2-Dichloroethene	ND<1.0	98	70-130
Chloroform	ND<1.0	96	70-130
Tetrahydrofuran	ND<5.0	85	70-130
1,1,1-Trichloroethane	ND<1.0	96	70-130
Carbon Tetrachloride	ND<1.0	104	70-130
1,1-Dichloropropene	ND<1.0	99	70-130
Benzene	ND<1.0	100	70-130
1,2-Dichloroethane	ND<1.0	96	70-130
Methyl Isobutyl Ketone	ND<25	90	70-130
Trichloroethene	ND<1.0	96	70-130
1,2-Dichloropropane	ND<1.0	99	70-130
Dibromomethane	ND<1.0	112	70-130
Bromodichloromethane	ND<0.5	97	70-130
2-Hexanone	ND<25	91	70-130
cis-1,3-Dichloropropene	ND<0.5	92	70-130
Toluene	ND<1.0	99	70-130
trans-1,3-Dichloropropene	ND<0.5	93	70-130
1,1,2-Trichloroethane	ND<1.0	103	70-130
Tetrachloroethene	ND<1.0	108	70-130
1,3-Dichloropropane	ND<1.0	99	70-130
Dibromochloromethane	ND<0.5	104	70-130
1,2-Dibromoethane	ND<0.5	109	70-130
Chlorobenzene	ND<1.0	96	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	98	70-130
Ethylbenzene	ND<1.0	98	70-130
m+p Xylenes	ND<1.0	96	70-130
o-Xylene	ND<1.0	95	70-130
Styrene	ND<1.0	103	70-130
Bromoform	ND<1.0	110	70-130
Isopropylbenzene	ND<1.0	100	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	115	70-130
Bromobenzene	ND<1.0	96	70-130
1,2,3-Trichloropropane	ND<1.0	106	70-130
n-Propylbenzene	ND<1.0	90	70-130
2-Chlorotoluene	ND<1.0	100	70-130
4-Chlorotoluene	ND<1.0	87	70-130
1,3,5-Trimethylbenzene	ND<1.0	95	70-130

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QA Type: Volatile Organics Date Analyzed: 3/14/2013 Batch ID: 84787

Analyte	Blank	LCS%Rec	LCS CL
tert-Butylbenzene	ND<1.0	95	70-130
1,2,4-Trimethylbenzene	ND<1.0	94	70-130
sec-Butylbenzene	ND<1.0	93	70-130
1,3-Dichlorobenzene	ND<1.0	104	70-130
4-Isopropyltoluene	ND<1.0	97	70-130
1,4-Dichlorobenzene	ND<1.0	103	70-130
1,2-Dichlorobenzene	ND<1.0	103	70-130
n-Butylbenzene	ND<1.0	88	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	111	70-130
1,2,4-Trichlorobenzene	ND<1.0	68 L	70-130
Hexachlorobutadiene	ND<0.45	94	70-130
Naphthalene	ND<1.0	81	70-130
1,2,3-Trichlorobenzene	ND<1.0	92	70-130

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Conn. Extractable TPH Date Analyzed: 3/15/2013 Batch ID: 84804

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<0.10	81	60-120

All associated samples: AF26607 AF26608 AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84813

Analyte	Blank	LCS%Rec	LCS CL
Pyridine	ND<4.0	33	30-130
n-Nitroso-dimethylamine	ND<20	40	40-140
bis(2-Chloroethyl)ether	ND<10	63	40-140
Phenol	ND<20	30	30-130
Aniline	ND<20	77	30-130
2-Chlorophenol	ND<20	60	30-130
1,3-Dichlorobenzene	ND<5.0	63	40-140
1,4-Dichlorobenzene	ND<5.0	63	40-140
Benzyl Alcohol	ND<20	57	30-130
1,2-Dichlorobenzene	ND<5.0	63	40-140
bis(2-chloroisopropyl)ether	ND<10	60	40-140
Hexachloroethane	ND<3.0	53	40-140
N-Nitroso-di-n-propylamine	ND<10	77	40-140
2-Methyl Phenol	ND<20	53	30-130
3+4 Methyl Phenol	ND<20	47	30-130
Nitrobenzene	ND<20	67	40-140
Isophorone	ND<20	80	40-140
2-Nitrophenol	ND<20	67	30-130
2,4-Dimethylphenol	ND<20	40	30-130
bis(2-Chloroethoxy)methane	ND<20	73	40-140
Benzoic Acid	ND<20	27 L	40-140
2,4-Dichlorophenol	ND<20	73	30-130
1,2,4-Trichlorobenzene	ND<5.0	70	40-140
Naphthalene	ND<1.0	70	40-140
2,6-Dichlorophenol	ND<20	70	30-130
4-Chloroaniline	ND<20	133 H	30-130
1,2,4,5 Tetrachlorobenzene	ND<20	77	40-140
Hexachlorobutadiene	ND<20	67	40-140
4-Chloro-3-methylphenol	ND<20	77	30-130
2-Methyl Naphthalene	ND<1.0	77	40-140
Hexachlorocyclopentadiene	ND<20	40	40-140
2,4,6-Trichlorophenol	ND<20	83	30-130

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QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84813

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-Trichlorophenol	ND<20	83	30-130
2-Chloronaphthalene	ND<20	77	40-140
2-Nitroaniline	ND<20	83	30-130
Acenaphthylene	ND<0.30	77	40-140
Dimethylphthalate	ND<20	90	40-140
2,6-Dinitrotoluene	ND<75	87	40-140
4-Nitroaniline	ND<20	80	30-130
Acenaphthene	ND<1.0	80	40-140
2,4-Dinitrophenol	ND<20	23 L	30-130
2,4-Dinitrotoluene	ND<75	87	40-140
4-Nitrophenol	ND<75	33	30-130
Dibenzofuran	ND<1.0	83	40-140
2,3,4,6-Tetrachlorophenol	ND<20	90	30-130
Fluorene	ND<1.0	87	40-140
4-Chlorophenyl-phenylether	ND<20	83	40-140
Diethylphthalate	ND<20	90	40-140
3-Nitroaniline	ND<20	133 H	30-130
4,6-Dinitro-2-methylphenol	ND<20	40	30-130
n-Nitrosodiphenylamine	ND<20	100	40-140
1,2-Diphenylhydrazine	ND<20	83	40-140
4-Bromophenyl-phenylether	ND<20	90	40-140
Hexachlorobenzene	ND<0.077	90	40-140
Pentachlorophenol	ND<1.0	70	30-130
Phenanthrene	ND<0.077	87	40-140
Anthracene	ND<1.0	87	40-140
Carbazole	ND<1.0	107	40-140
Di-n-butylphthalate	ND<20	93	40-140
Pentachloronitrobenzene	ND<20	97	40-140
Fluoranthene	ND<1.0	90	40-140
Pyrene	ND<1.0	90	40-140
Butylbenzylphthalate	ND<20	97	40-140
3,3-Dichlorobenzidine	ND<75	73	40-140
Benzo[a]anthracene	ND<0.06	97	40-140
Chrysene	ND<1.0	93	40-140
bis(2-Ethylhexyl)phthalate	ND<2.0	97	40-140
Di-n-octylphthalate	ND<20	100	30-130
Benzo[b]fluoranthene	ND<0.08	93	40-140
Benzo[k]fluoranthene	ND<0.30	93	40-140
Benzo[a]pyrene	ND<0.20	93	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	97	40-140
Dibenz[a,h]anthracene	ND<0.20	90	40-140
Benzo[g,h,i]perylene	ND<1.0	97	40-140

All associated samples: AF26607 AF26608 AF26609

QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84814

Analyte	Blank	LCS%Rec	LCS CL
Pyridine	ND<4.0	33	30-130
n-Nitroso-dimethylamine	ND<20	40	40-140
bis(2-Chloroethyl)ether	ND<10	63	40-140
Phenol	ND<20	30	30-130
Aniline	ND<20	77	30-130
2-Chlorophenol	ND<20	60	30-130
1,3-Dichlorobenzene	ND<5.0	63	40-140
1,4-Dichlorobenzene	ND<5.0	63	40-140

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QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84814

Analyte	Blank	LCS%Rec	LCS CL
Benzyl Alcohol	ND<20	57	30-130
1,2-Dichlorobenzene	ND<5.0	63	40-140
bis(2-chloroisopropyl)ether	ND<10	60	40-140
Hexachloroethane	ND<3.0	53	40-140
N-Nitroso-di-n-propylamine	ND<10	77	40-140
2-Methyl Phenol	ND<20	53	30-130
3+4 Methyl Phenol	ND<20	47	30-130
Nitrobenzene	ND<20	67	40-140
Isophorone	ND<20	80	40-140
2-Nitrophenol	ND<20	67	30-130
2,4-Dimethylphenol	ND<20	40	30-130
bis(2-Chloroethoxy)methane	ND<20	73	40-140
Benzoic Acid	ND<20	27 L	40-140
2,4-Dichlorophenol	ND<20	73	30-130
1,2,4-Trichlorobenzene	ND<5.0	70	40-140
Naphthalene	ND<1.0	70	40-140
2,6-Dichlorophenol	ND<20	70	30-130
4-Chloroaniline	ND<20	130	30-130
1,2,4,5 Tetrachlorobenzene	ND<20	77	40-140
Hexachlorobutadiene	ND<20	67	40-140
4-Chloro-3-methylphenol	ND<20	77	30-130
2-Methyl Naphthalene	ND<1.0	77	40-140
Hexachlorocyclopentadiene	ND<20	40	40-140
2,4,6-Trichlorophenol	ND<20	83	30-130
2,4,5-Trichlorophenol	ND<20	83	30-130
2-Chloronaphthalene	ND<20	77	40-140
2-Nitroaniline	ND<20	83	30-130
Acenaphthylene	ND<0.30	77	40-140
Dimethylphthalate	ND<20	90	40-140
2,6-Dinitrotoluene	ND<75	87	40-140
4-Nitroaniline	ND<20	80	30-130
Acenaphthene	ND<1.0	80	40-140
2,4-Dinitrophenol	ND<20	27 L	30-130
2,4-Dinitrotoluene	ND<75	87	40-140
4-Nitrophenol	ND<75	33	30-130
Dibenzofuran	ND<1.0	83	40-140
2,3,4,6-Tetrachlorophenol	ND<20	90	30-130
Fluorene	ND<1.0	87	40-140
4-Chlorophenyl-phenylether	ND<20	83	40-140
Diethylphthalate	ND<20	90	40-140
3-Nitroaniline	ND<20	120	30-130
4,6-Dinitro-2-methylphenol	ND<20	40	30-130
n-Nitrosodiphenylamine	ND<20	100	40-140
1,2-Diphenylhydrazine	ND<20	83	40-140
4-Bromophenyl-phenylether	ND<20	90	40-140
Hexachlorobenzene	ND<0.077	90	40-140
Pentachlorophenol	ND<1.0	70	30-130
Phenanthrene	ND<0.077	87	40-140
Anthracene	ND<1.0	87	40-140
Carbazole	ND<1.0	107	40-140
Di-n-butylphthalate	ND<20	93	40-140
Pentachloronitrobenzene	ND<20	97	40-140
Fluoranthene	ND<1.0	90	40-140
Pyrene	ND<1.0	90	40-140

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QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84814

Analyte	Blank	LCS%Rec	LCS CL
Butylbenzylphthalate	ND<20	97	40-140
3,3-Dichlorobenzidine	ND<75	73	40-140
Benzo[a]anthracene	ND<0.06	97	40-140
Chrysene	ND<1.0	93	40-140
bis(2-Ethylhexyl)phthalate	ND<2.0	97	40-140
Di-n-octylphthalate	ND<20	100	30-130
Benzo[b]fluoranthene	ND<0.08	93	40-140
Benzo[k]fluoranthene	ND<0.30	93	40-140
Benzo[a]pyrene	ND<0.20	93	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	97	40-140
Dibenz[a,h]anthracene	ND<0.20	90	40-140
Benzo[g,h,i]perylene	ND<1.0	97	40-140

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: EPA 8082 PCBs Date Analyzed: 3/15/2013 Batch ID: 84821

Analyte	Blank	LCS%Rec	LCS CL
PCB-1016	ND<0.50	82	40-140
PCB-1260	ND<0.50	85	40-140

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Batch ID: 84829

Analyte	Blank	LCS%Rec	LCS CL
Ammonia as N	ND<0.10	86	67-111

All associated samples: AF26607 AF26608 AF26609

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Batch ID: 84830

Analyte	Blank	LCS%Rec	LCS CL
Ammonia as N	ND<0.10	86	67-111

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Biochemical Oxygen Demand, 5 Day Date Analyzed: 3/12/2013 Batch ID: 84833

Analyte	Blank	LCS%Rec	LCS CL
Biochemical Oxygen Demand, 5 Day	ND<1	105	62-111

All associated samples: AF26607 AF26608 AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Batch ID: 84862

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	96	80-120
Selenium	ND<0.002	102	80-120
Cadmium	ND<0.001	100	80-120
Chromium	ND<0.001	98	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	96	80-120
Copper	ND<0.001	96	80-120
Nickel	ND<0.001	97	80-120
Zinc	ND<0.002	97	80-120
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	99	80-120
Thallium	ND<0.001	94	80-120
Manganese	ND<0.001	96	80-120
Iron	ND<0.01	105	80-120
Mercury	ND<0.0002	101	80-120

All associated samples: AF26607 AF26608 AF26609

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QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Batch ID: 84863

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	96	80-120
Selenium	ND<0.002	102	80-120
Cadmium	ND<0.001	100	80-120
Chromium	ND<0.001	98	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	96	80-120
Copper	ND<0.001	96	80-120
Nickel	ND<0.001	97	80-120
Zinc	ND<0.002	97	80-120
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	99	80-120
Thallium	ND<0.001	94	80-120
Manganese	ND<0.001	96	80-120
Iron	ND<0.01	105	80-120
Mercury	ND<0.0002	101	80-120

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Batch ID: 84869

Analyte	Blank	LCS%Rec	LCS CL
4,4-DDD	ND<0.10	115	40-140
4,4-DDE	ND<0.10	111	40-140
4,4-DDT	ND<0.10	122	40-140
4,4-Methoxychlor	ND<0.10	114	40-140
Aldrin	ND<0.10	111	40-140
Alpha-BHC	ND<0.10	111	40-140
Beta-BHC	ND<0.10	127	40-140
Delta-BHC	ND<0.10	125	40-140
Dieldrin	ND<0.002	118	40-140
Endosulfan I	ND<0.10	108	40-140
Endosulfan II	ND<0.10	106	40-140
Endosulfan Sulfate	ND<0.10	121	40-140
Endrin	ND<0.10	100	40-140
Endrin Aldehyde	ND<0.10	130	40-140
Endrin Ketone	ND<0.10	127	40-140
Gamma-BHC	ND<0.10	114	40-140
Heptachlor	ND<0.10	110	40-140
Heptachlor Epoxide	ND<0.10	113	40-140

All associated samples: AF26607 AF26608

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Batch ID: 84870

Analyte	Blank	LCS%Rec	LCS CL
4,4-DDD	ND<0.10	120	40-140
4,4-DDE	ND<0.10	111	40-140
4,4-DDT	ND<0.10	103	40-140
4,4-Methoxychlor	ND<0.10	104	40-140
Alachlor	ND<0.10	107	40-140
Aldrin	ND<0.10	104	40-140
Alpha-BHC	ND<0.10	110	40-140
Beta-BHC	ND<0.10	121	40-140
Delta-BHC	ND<0.10	123	40-140
Dieldrin	ND<0.002	117	40-140
Endosulfan I	ND<0.10	108	40-140
Endosulfan II	ND<0.10	105	40-140
Endosulfan Sulfate	ND<0.10	120	40-140

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QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Batch ID: 84870

Analyte	Blank	LCS%Rec	LCS CL
Endrin	ND<0.10	97	40-140
Endrin Aldehyde	ND<0.10	159 H	40-140
Endrin Ketone	ND<0.10	125	40-140
Gamma-BHC	ND<0.10	110	40-140
Heptachlor	ND<0.10	104	40-140
Heptachlor Epoxide	ND<0.10	111	40-140

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/20/2013 Batch ID: 84879

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-T	ND<0.40	118	40-140
2,4-D	ND<2.0	122	40-140
2,4-DB	ND<4.0	119	40-140
3,5-Dichlorobenzoic acid	ND<0.40	106	40-140
4-Nitrophenol	ND<2.0	112	40-140
Dalapon	ND<4.0	50	40-140
Dicamba	ND<0.40	138	40-140
Dichloroprop	ND<2.0	122	40-140
Dinoseb	ND<0.40	111	40-140
PCP	ND<0.10	130	40-140
Picloram	ND<0.40	70	40-140
Silvex	ND<0.40	125	40-140

All associated samples: AF26607 AF26608 AF26609

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/22/2013 Batch ID: 84880

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-T	ND<0.40	120	40-140
2,4-D	ND<2.0	118	40-140
2,4-DB	ND<4.0	121	40-140
3,5-Dichlorobenzoic acid	ND<0.40	111	40-140
4-Nitrophenol	ND<2.0	102	40-140
Dalapon	ND<4.0	45	40-140
Dicamba	ND<0.40	122	40-140
Dichloroprop	ND<2.0	122	40-140
Dinoseb	ND<0.40	90	40-140
PCP	ND<0.10	130	40-140
Picloram	ND<0.40	72	40-140
Silvex	ND<0.40	125	40-140

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

Matrix Spike Report

QA Type: Total Mercury Date Analyzed: 3/13/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Total Mercury	ND<0.0004	0.010	90	100	75-125	11.00	20

QA Type: Chloride Date Analyzed: 3/21/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Chloride	94	50.0	90	96	80-123	6.50	20

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Nitrate as N	0.81	5.0	101	99	89-118	2.40	20

QA Type: Sulfate Date Analyzed: 3/13/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Sulfate	15	5.0	#	#	82-123	#	20

QA Type: Total Metals Date Analyzed: 3/13/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Lead	ND<0.013	0.200	93	92	75-125	1.60	20
Selenium	ND<0.01	0.400	94	94	75-125	0.53	20
Cadmium	ND<0.005	0.200	96	93	75-125	2.70	20
Chromium	ND<0.05	0.200	94	94	75-125	0.53	20
Arsenic	ND<0.004	0.200	96	96	75-125	0.52	20
Silver	ND<0.012	0.100	100	100	75-125	0.00	20
Copper	ND<0.04	0.200	97	99	75-125	2.00	20
Nickel	ND<0.05	0.200	94	92	75-125	2.10	20
Zinc	ND<0.02	0.200	100	101	75-125	1.00	20
Beryllium	ND<0.004	0.200	96	95	75-125	1.60	20
Antimony	ND<0.05	0.100	100	100	75-125	0.50	20
Thallium	ND<0.05	0.200	96	92	75-125	3.20	20
Manganese	0.05	0.200	97	96	75-125	0.52	20
Sodium	56	5.00	#	#	75-125	#	20
Potassium	3.0	5.00	96	101	75-125	4.90	20
Iron	1.0	5.00	101	98	75-125	3.00	20

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Dichlorodifluoromethane	ND<10	50	82	92	70-130	11.00	30
Chloromethane	ND<2.7	50.0	78	82	70-130	4.20	30
Vinyl Chloride	ND<1.6	50.0	68 L	76	70-130	12.00	30
Bromomethane	ND<5.0	50.0	75	87	70-130	14.00	30
Chloroethane	ND<5.0	50.0	74	84	70-130	13.00	30
Acetone	ND<50	100	85	89	70-130	4.60	30
Acrylonitrile	ND<0.50	50	104	102	70-130	1.90	30
Trichlorofluoromethane	ND<25	50	78	86	70-130	9.80	30
Trichlorotrifluoroethane	ND<25	50	98	102	70-130	4.00	30

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
1,1-Dichloroethene	ND<1.0	50.0	108	108	70-130	0.00	30
Methylene Chloride	ND<5.0	50.0	93	94	70-130	1.10	30
Carbon Disulfide	ND<5.0	50.0	104	104	70-130	0.00	30
Methyl-t-Butyl Ether (MTBE)	ND<5.0	50.0	75	75	70-130	0.27	30
trans-1,2-Dichloroethene	ND<1.0	50.0	97	99	70-130	2.30	30
1,1-Dichloroethane	ND<1.0	50.0	91	94	70-130	2.40	30
2-Butanone (MEK)	ND<25	100	78	80	70-130	2.50	30
2,2-Dichloropropane	ND<1.0	50.0	104	100	70-130	3.90	30
cis-1,2-Dichloroethene	ND<1.0	50.0	95	95	70-130	0.21	30
Chloroform	ND<1.0	50.0	95	95	70-130	0.21	30
Tetrahydrofuran	ND<5.0	50.0	87	88	70-130	1.40	30
1,1,1-Trichloroethane	ND<1.0	50.0	94	95	70-130	1.30	30
Carbon Tetrachloride	ND<1.0	50.0	103	102	70-130	0.98	30
1,1-Dichloropropene	ND<1.0	50.0	98	99	70-130	1.00	30
Benzene	ND<1.0	50.0	101	102	70-130	0.99	30
1,2-Dichloroethane	ND<1.0	50.0	96	97	70-130	0.41	30
Methyl Isobutyl Ketone	ND<25	100	93	95	70-130	2.10	30
Trichloroethene	ND<1.0	50.0	93	93	70-130	0.43	30
1,2-Dichloropropane	ND<1.0	50.0	100	100	70-130	0.20	30
Dibromomethane	ND<1.0	50.0	114	114	70-130	0.00	30
Bromodichloromethane	ND<0.50	50.0	98	99	70-130	0.61	30
2-Hexanone	ND<25	100	87	89	70-130	2.30	30
cis-1,3-Dichloropropene	ND<0.50	50.0	94	93	70-130	0.86	30
Toluene	ND<1.0	50.0	101	101	70-130	0.00	30
trans-1,3-Dichloropropene	ND<0.50	50.0	94	94	70-130	0.21	30
1,1,2-Trichloroethane	ND<1.0	50.0	106	105	70-130	0.95	30
Tetrachloroethene	ND<1.0	50.0	107	106	70-130	0.94	30
1,3-Dichloropropane	ND<0.50	50.0	102	102	70-130	0.00	30
Dibromochloromethane	ND<0.50	50.0	104	103	70-130	0.97	30
1,2-Dibromoethane	ND<0.50	50.0	110	108	70-130	1.80	30
Chlorobenzene	ND<1.0	50.0	97	96	70-130	0.83	30
1,1,1,2-Tetrachloroethane	ND<1.0	50.0	98	96	70-130	1.40	30
Ethylbenzene	ND<1.0	50.0	99	98	70-130	1.00	30
m+p Xylenes	ND<1.0	100.0	98	97	70-130	1.10	30
o-Xylene	ND<1.0	50.0	96	95	70-130	0.84	30
Styrene	ND<1.0	50.0	104	103	70-130	0.97	30
Bromoform	ND<1.0	50.0	109	109	70-130	0.00	30
Isopropylbenzene	ND<1.0	50.0	101	101	70-130	0.00	30
1,1,2,2-Tetrachloroethane	ND<0.50	50.0	120	122	70-130	1.70	30
Bromobenzene	ND<1.0	50.0	94	92	70-130	2.20	30
1,2,3-Trichloropropane	ND<1.0	50.0	105	104	70-130	0.96	30
n-Propylbenzene	ND<1.0	50.0	88	86	70-130	2.50	30
2-Chlorotoluene	ND<1.0	50.0	100	99	70-130	1.20	30
4-Chlorotoluene	ND<1.0	50.0	84	98	70-130	15.00	30
1,3,5-Trimethylbenzene	ND<1.0	50.0	93	92	70-130	1.70	30
tert-Butylbenzene	ND<1.0	50.0	94	93	70-130	1.90	30
1,2,4-Trimethylbenzene	ND<1.0	50.0	93	92	70-130	1.10	30
sec-Butylbenzene	ND<1.0	50.0	92	91	70-130	1.10	30
1,3-Dichlorobenzene	ND<1.0	50.0	103	103	70-130	0.00	30
4-Isopropyltoluene	ND<1.0	50.0	96	95	70-130	0.63	30
1,4-Dichlorobenzene	ND<1.0	50.0	101	101	70-130	0.00	30

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
1,2-Dichlorobenzene	ND<1.0	50.0	101	103	70-130	2.00	30
n-Butylbenzene	ND<1.0	50.0	88	89	70-130	1.10	30
1,2-Dibromo-3-Chloropropane	ND<1.0	50.0	81	109	70-130	29.00	30
1,2,4-Trichlorobenzene	ND<1.0	50.0	53 L	74	70-130	34.00 H	30
Hexachlorobutadiene	ND<0.45	50.00	91	99	70-130	8.80	30
Naphthalene	ND<1.0	50.0	32 L	84	70-130	88.00 H	30
1,2,3-Trichlorobenzene	ND<1.0	50.0	50 L	97	70-130	63.00 H	30

QA Type: Conn. Extractable TPH Date Analyzed: 3/15/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
ETPH	ND<0.10	5	77	77	50-150	0.52	30

QA Type: Semi-Volatile Organics Date Analyzed: 3/18/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Pyridine	ND<4.0	30	37	30	30-130	20.00	20
n-Nitroso-dimethylamine	ND<20	30	43	37 L	40-140	16.00	20
bis(2-Chloroethyl)ether	ND<10	30	67	60	40-140	11.00	20
Phenol	ND<20	30	30	23 L	30-130	25.00 H	20
Aniline	ND<20	30	83	67	30-130	22.00 H	20
2-Chlorophenol	ND<20	30	63	53	30-130	17.00	20
1,3-Dichlorobenzene	ND<5.0	30	70	63	40-140	10.00	20
1,4-Dichlorobenzene	ND<5.0	30	70	67	40-140	4.80	20
Benzyl Alcohol	ND<20	30	57	47	30-130	19.00	20
1,2-Dichlorobenzene	ND<5.0	30	70	63	40-140	10.00	20
bis(2-chloroisopropyl)ether	ND<10	30	60	57	40-140	5.70	20
Hexachloroethane	ND<3.0	30	50	47	40-140	6.80	20
N-Nitroso-di-n-propylamine	ND<10	30	77	70	40-140	9.10	20
2-Methyl Phenol	ND<20	30	53	40	30-130	29.00 H	20
3+4 Methyl Phenol	ND<20	30	50	37	30-130	31.00 H	20
Nitrobenzene	ND<20	30	67	63	40-140	5.20	20
Isophorone	ND<20	30	77	70	40-140	9.10	20
2-Nitrophenol	ND<20	30	70	63	30-130	10.00	20
2,4-Dimethylphenol	ND<20	30	60	50	30-130	18.00	20
bis(2-Chloroethoxy)methane	ND<20	30	73	67	40-140	9.40	20
Benzoic Acid	ND<20	30	20 L	20 L	40-140	0.00	20
2,4-Dichlorophenol	ND<20	30	73	63	30-130	15.00	20
1,2,4-Trichlorobenzene	ND<5.0	30	73	67	40-140	9.40	20
Naphthalene	ND<1.0	30	70	67	40-140	4.80	20
2,6-Dichlorophenol	ND<20	30	73	63	30-130	15.00	20
4-Chloroaniline	ND<20	30	127	117	30-130	8.20	20
1,2,4,5 Tetrachlorobenzene	ND<20	30	77	73	40-140	4.50	20
Hexachlorobutadiene	ND<20	30	70	67	40-140	4.80	20
4-Chloro-3-methylphenol	ND<20	30	73	60	30-130	20.00	20
2-Methyl Naphthalene	ND<1.0	30	77	73	40-140	4.50	20
Hexachlorocyclopentadiene	ND<20	30	40	37 L	40-140	8.60	20
2,4,6-Trichlorophenol	ND<20	30	80	73	30-130	8.70	20
2,4,5-Trichlorophenol	ND<20	30	83	73	30-130	13.00	20
2-Chloronaphthalene	ND<20	30	80	70	40-140	13.00	20
2-Nitroaniline	ND<20	30	83	77	30-130	8.20	20
Acenaphthylene	ND<0.30	30	73	70	40-140	4.60	20
Dimethylphthalate	ND<20	30	83	77	40-140	8.20	20
2,6-Dinitrotoluene	ND<75	30	83	77	40-140	8.20	20

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Semi-Volatile Organics Date Analyzed: 3/18/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
4-Nitroaniline	ND<20	30	93	70	30-130	29.00 H	20
Acenaphthene	ND<1.0	30	77	70	40-140	9.10	20
2,4-Dinitrophenol	ND<20	30	30	27 L	30-130	12.00	20
2,4-Dinitrotoluene	ND<75	30	83	77	40-140	8.20	20
4-Nitrophenol	ND<75	30	37	27 L	30-130	32.00 H	20
Dibenzofuran	ND<4.0	30	80	73	40-140	8.70	20
2,3,4,6-Tetrachlorophenol	ND<20	30	87	80	30-130	8.00	20
Fluorene	ND<1.0	30	80	73	40-140	8.70	20
4-Chlorophenyl-phenylether	ND<20	30	80	73	40-140	8.70	20
Diethylphthalate	ND<20	30	83	80	40-140	4.00	20
3-Nitroaniline	ND<20	30	117	107	30-130	8.90	20
4,6-Dinitro-2-methylphenol	ND<20	30	40	37	30-130	8.60	20
n-Nitrosodiphenylamine	ND<20	30	90	87	40-140	3.70	20
1,2-Diphenylhydrazine	ND<20	30	73	70	40-140	4.60	20
4-Bromophenyl-phenylether	ND<20	30	83	77	40-140	8.20	20
Hexachlorobenzene	ND<0.077	30	83	77	40-140	8.20	20
Pentachlorophenol	ND<1.0	30	70	63	30-130	10.00	20
Phenanthrene	ND<0.077	30	83	77	40-140	8.20	20
Anthracene	ND<1.0	30	80	77	40-140	4.20	20
Carbazole	ND<1.0	30	130	117	40-140	11.00	20
Di-n-butylphthalate	ND<20	30	83	77	40-140	8.20	20
Pentachloronitrobenzene	ND<20	30	83	87	40-140	4.00	20
Fluoranthene	ND<1.0	30	83	80	40-140	4.00	20
Pyrene	ND<1.0	30	83	80	40-140	4.00	20
Butylbenzylphthalate	ND<20	30	87	83	40-140	4.00	20
3,3-Dichlorobenzidine	ND<75	30	70	60	40-140	15.00	20
Benzo[a]anthracene	ND<0.06	30	87	83	40-140	4.00	20
Chrysene	ND<1.0	30	83	83	40-140	0.00	20
bis(2-Ethylhexyl)phthalate	ND<2.0	30	87	83	40-140	4.00	20
Di-n-octylphthalate	ND<20	30	87	87	40-140	0.00	20
Benzo[b]fluoranthene	ND<0.08	30	83	80	40-140	4.00	20
Benzo[k]fluoranthene	ND<0.30	30	80	80	40-140	0.00	20
Benzo[a]pyrene	ND<0.20	30	87	83	40-140	4.00	20
Indeno[1,2,3-cd]pyrene	ND<0.20	30	90	87	40-140	3.70	20
Dibenz[a,h]anthracene	ND<0.20	30	87	80	40-140	8.00	20
Benzo[g,h,i]perylene	ND<1.0	30	93	87	40-140	7.30	20

QA Type: EPA 8082 PCBs Date Analyzed: 3/15/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
PCB-1016	ND<0.50	1.0	81	82	40-140	1.20	50
PCB-1260	ND<0.50	1.0	81	82	40-140	1.20	50

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Ammonia as N	0.21	5.0	91	93	76-100	2.00	20

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Lead	ND<0.013	0.200	91	92	75-125	0.55	20
Selenium	ND<0.01	0.40	103	104	75-125	0.97	20
Cadmium	ND<0.005	0.200	96	98	75-125	1.50	20
Chromium	ND<0.05	0.20	91	92	75-125	1.60	20
Arsenic	ND<0.004	0.200	99	98	75-125	1.50	20
Silver	ND<0.012	0.100	71 L	71 L	75-125	0.28	20
Copper	ND<0.04	0.20	91	91	75-125	0.00	20
Nickel	ND<0.05	0.20	92	92	75-125	0.54	20
Zinc	ND<0.02	0.20	100	100	75-125	0.50	20
Beryllium	ND<0.004	0.200	96	100	75-125	3.60	20
Antimony	ND<0.006	0.100	74 L	74 L	75-125	0.94	20
Thallium	ND<0.005	0.200	91	92	75-125	0.55	20
Manganese	0.039	0.20	90	90	75-125	1.10	20
Iron	0.59	5.0	97	96	75-125	0.21	20
Mercury	ND<0.0004	0.0050	98	99	75-125	0.41	20

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
4,4-DDD	ND<0.05	0.08	106	96	50-150	9.70	30
4,4-DDE	ND<0.05	0.08	91	92	50-150	1.40	30
4,4-DDT	ND<0.05	0.08	91	91	50-150	0.00	30
4,4-Methoxychlor	ND<0.05	0.08	89	92	50-150	4.10	30
Alachlor	ND<0.20	.75	84	84	50-150	0.00	30
Aldrin	ND<0.05	0.08	80	79	50-150	1.50	30
Alpha-BHC	ND<0.10	0.08	80	79	50-150	1.50	30
Beta-BHC	ND<0.05	0.08	96	101	50-150	4.90	30
Delta-BHC	ND<0.05	0.08	98	99	50-150	1.30	30
Dieldrin	ND<0.002	0.08	89	90	50-150	1.30	30
Endosulfan I	ND<0.05	0.08	86	88	50-150	1.50	30
Endosulfan II	ND<0.05	0.08	82	88	50-150	5.90	30
Endosulfan Sulfate	ND<0.05	0.08	100	100	50-150	0.00	30
Endrin	ND<0.05	0.08	81	81	50-150	0.00	30
Endrin Aldehyde	ND<0.05	0.08	125	125	50-150	0.00	30
Endrin Ketone	ND<0.05	0.08	96	96	50-150	0.00	30
Gamma-BHC	ND<0.10	0.08	86	86	50-150	0.00	30
Heptachlor	ND<0.05	0.08	76	74	50-150	3.20	30
Heptachlor Epoxide	ND<0.05	0.08	85	84	50-150	1.40	30

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/20/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
2,4,5-T	ND<0.40	0.8	79	65	50-150	19.00	30
2,4-D	ND<2.0	4.0	95	65	50-150	38.00 H	30
2,4-DB	ND<4.0	8.0	72	61	50-150	16.00	30
3,5-Dichlorobenzoic acid	ND<0.40	0.8	74	62	50-150	17.00	30
4-Nitrophenol	ND<2.0	4.0	68	58	50-150	16.00	30
Dalapon	ND<4.0	4.0	35 L	28 L	50-150	24.00	30
Dicamba	ND<0.40	0.8	76	64	50-150	18.00	30
Dichloroprop	ND<2.0	4.0	90	80	50-150	12.00	30
Dinoseb	ND<0.40	0.8	60	50	50-150	18.00	30
PCP	ND<0.10	0.2	125	105	50-150	17.00	30
Picloram	ND<0.40	0.8	60	49 L	50-150	21.00	30
Silvex	ND<0.40	0.8	82	69	50-150	18.00	30

ND is not detected

Initial Cal. Report

Compound	Batch#	%RSD	Limits
Initial Calibration VOC			
2-Butanone (MEK)	84762	37 H	20
1,2-Dibromo-3-Chloropropane	84762	21 H	20
1,2,4-Trichlorobenzene	84762	32 H	20
Hexachlorobutadiene	84762	32 H	20
Naphthalene	84762	30 H	20
1,2,3-Trichlorobenzene	84762	24 H	20
All associated samples: AF26607 AF26608			
Initial Calibration SVOC			
Aniline	84813	21 H	20
4-Chloroaniline	84813	43 H	20
Hexachlorocyclopentadiene	84813	29 H	20
2,4-Dinitrophenol	84813	28 H	20
3-Nitroaniline	84813	32 H	20
All associated samples: AF26607 AF26608 AF26609			
Initial Calibration SVOC			
Aniline	84814	21 H	20
4-Chloroaniline	84814	43 H	20
Hexachlorocyclopentadiene	84814	29 H	20
2,4-Dinitrophenol	84814	28 H	20
3-Nitroaniline	84814	32 H	20
All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616			

Cont. Cal. Report

Compound	Batch#	Result	Limits	Analysis Date
Volatile Organics Cont Cal				
Dichlorodifluoromethane	84762	120 H	35-65	3/13/2013
Chloromethane	84762	100 H	35-65	3/13/2013
Vinyl Chloride	84762	96 H	35-65	3/13/2013
Bromomethane	84762	83 H	35-65	3/13/2013
Chloroethane	84762	72 H	35-65	3/13/2013
All associated samples: AF26607 AF26608				
Volatile Organics Cont Cal				
1,2,4-Trichlorobenzene	84787	25 L	35-65	3/14/2013
Naphthalene	84787	16 L	35-65	3/14/2013
1,2,3-Trichlorobenzene	84787	26 L	35-65	3/14/2013
All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616				
PCB Confirmation Cont Cal				
PCB-1016	84821	1156 H	850-1150	3/15/2013
PCB-1260	84821	1188 H	850-1150	3/15/2013
All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616				

QC Batch Report

Total Mercury Batch 84739

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013

Total Mercury Batch 84740

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Chloride Batch 84746

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Chloride Batch 84747

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Nitrate as N Batch 84748

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Nitrate as N Batch 84749

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Sulfate Batch 84750

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Sulfate Batch 84751

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Total Metals Batch 84758

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Total Metals Batch 84759

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Total Metals Batch 84760

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Total Metals Batch 84761

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Volatile Organics Batch 84762

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013

EPA 8082 PCBs Batch 84764

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Volatile Organics Batch 84787

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Conn. Extractable TPH Batch 84804

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Semi-Volatile Organics Batch 84813

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Semi-Volatile Organics Batch 84814

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

EPA 8082 PCBs Batch 84821

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Ammonia as N Batch 84829

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Ammonia as N Batch 84830

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Biochemical Oxygen Demand, 5 Day Batch 84833

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Dissolved Metals Batch 84862

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Dissolved Metals Batch 84863

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

EPA 8081B Chlorinated Pesticides Batch 84869

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013

EPA 8081B Chlorinated Pesticides Batch 84870

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

EPA 8151A Chlorinated Herbicides Batch 84879

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

EPA 8151A Chlorinated Herbicides Batch 84880

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Narrative

1. The number of compounds allowed out for the LCS was exceeded for Pesticides for batch #84870.

4. Dichlorodifluoromethane LCS recovery high (238%) for batch 84762.
Chloromethane LCS recovery high (205%) for batch 84762.
Vinyl Chloride LCS recovery high (192%) for batch 84762.
Bromomethane LCS recovery high (166%) for batch 84762.
Chloroethane LCS recovery high (144%) for batch 84762.
1,2,4-Trichlorobenzene LCS recovery low (68%) for batch 84787.
Benzoic Acid LCS recovery low (27%) for batch 84813.
4-Chloroaniline LCS recovery high (133%) for batch 84813.
2,4-Dinitrophenol LCS recovery low (23%) for batch 84813.
3-Nitroaniline LCS recovery high (133%) for batch 84813.
Benzoic Acid LCS recovery low (27%) for batch 84814.
2,4-Dinitrophenol LCS recovery low (27%) for batch 84814.
Dissolved Silver LCS recovery low (48%) for batch 84863.
Endrin Aldehyde LCS recovery high (159%) for batch 84870.
Vinyl Chloride matrix spike recovery low (68%) for sample AF26610.
1,2,4-Trichlorobenzene matrix spike recovery low (53%) for sample AF26610.
1,2,4-Trichlorobenzene matrix spike RPD high (34.00%) for sample AF26610.
Naphthalene matrix spike recovery low (32%) for sample AF26610.
Naphthalene matrix spike RPD high (88.00%) for sample AF26610.
1,2,3-Trichlorobenzene matrix spike recovery low (50%) for sample AF26610.
1,2,3-Trichlorobenzene matrix spike RPD high (63.00%) for sample AF26610.
n-Nitroso-dimethylamine matrix spike dup recovery low (37%) for sample AF26610.
Phenol matrix spike RPD high (25.00%) for sample AF26610.
Phenol matrix spike dup recovery low (23%) for sample AF26610.
Aniline matrix spike RPD high (22.00%) for sample AF26610.
2-Methyl Phenol matrix spike RPD high (29.00%) for sample AF26610.
3+4 Methyl Phenol matrix spike RPD high (31.00%) for sample AF26610.
Benzoic Acid matrix spike recovery low (20%) for sample AF26610.
Benzoic Acid matrix spike dup recovery low (20%) for sample AF26610.
Hexachlorocyclopentadiene matrix spike dup recovery low (37%) for sample AF26610.
4-Nitroaniline matrix spike RPD high (29.00%) for sample AF26610.
2,4-Dinitrophenol matrix spike dup recovery low (27%) for sample AF26610.
4-Nitrophenol matrix spike RPD high (32.00%) for sample AF26610.
4-Nitrophenol matrix spike dup recovery low (27%) for sample AF26610.
Dissolved Silver matrix spike recovery low (71%) for sample AF26610.
Dissolved Silver matrix spike dup recovery low (71%) for sample AF26610.
Dissolved Antimony matrix spike recovery low (74%) for sample AF26610.
Dissolved Antimony matrix spike dup recovery low (74%) for sample AF26610.
2,4-D matrix spike RPD high (38.00%) for sample AF26610.
Dalapon matrix spike recovery low (35%) for sample AF26610.
Dalapon matrix spike dup recovery low (28%) for sample AF26610.

Picloram matrix spike dup recovery low (49%) for sample AF26610.
2-Butanone (MEK) Initial Cal % RSD high(37%) for batch 84762.
1,2-Dibromo-3-Chloropropane Initial Cal % RSD high(21%) for batch 84762.
1,2,4-Trichlorobenzene Initial Cal % RSD high(32%) for batch 84762.
Hexachlorobutadiene Initial Cal % RSD high(32%) for batch 84762.
Naphthalene Initial Cal % RSD high(30%) for batch 84762.
1,2,3-Trichlorobenzene Initial Cal % RSD high(24%) for batch 84762.
Aniline Initial Cal % RSD high(21%) for batch 84813.
4-Chloroaniline Initial Cal % RSD high(43%) for batch 84813.
Hexachlorocyclopentadiene Initial Cal % RSD high(29%) for batch 84813.
2,4-Dinitrophenol Initial Cal % RSD high(28%) for batch 84813.
3-Nitroaniline Initial Cal % RSD high(32%) for batch 84813.
Aniline Initial Cal % RSD high(21%) for batch 84814.
4-Chloroaniline Initial Cal % RSD high(43%) for batch 84814.
Hexachlorocyclopentadiene Initial Cal % RSD high(29%) for batch 84814.
2,4-Dinitrophenol Initial Cal % RSD high(28%) for batch 84814.
3-Nitroaniline Initial Cal % RSD high(32%) for batch 84814.
Dichlorodifluoromethane CC high for batch 84762.
Chloromethane CC high for batch 84762.
Vinyl Chloride CC high for batch 84762.
Bromomethane CC high for batch 84762.
Chloroethane CC high for batch 84762.
1,2,4-Trichlorobenzene CC low for batch 84787.
Naphthalene CC low for batch 84787.
1,2,3-Trichlorobenzene CC low for batch 84787.
PCB-1016 CC high for confirmation column for batch 84821.
PCB-1260 CC high for confirmation column for batch 84821.

6. The client has requested a subset of the RCP Metals list.

COMPLETE ENVIRONMENTAL TESTING, INC.

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Quality Control Definitions and Abbreviations

Internal Std. (IS)	An analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Rec.(Surr Rec)	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period. Samples are of the same matrix.
ND	Not detected.
Dilution	Multiplier applied to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Samp. Res.	Amount of analyte found in a sample.
Spk. Amt. (Amt)	Amount of analyte added to a sample.
Spk. Res.	Amount of analyte found including amount that was spiked.
Spk. Dup. Res.	Amount of analyte found in duplicate spikes including amount that was spiked.
MS%R	% recovery of spiked amount in sample.
MSD%R	% recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between MS and MSD
Blank	Method blank that has been taken through all steps of the analysis.
LCS % Rec.	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Control Limits	A range within which specified measurement results must fall to be compliant.
LCS CL	Control limits for Laboratory Control Sample.
MS CL	Control limits for matrix spike and matrix spike dup.
RPD CL	Control limits for RPD.
Cont. Cal. (CC)	Continuing Calibration

Flags:

H-	Recovery is above control limits
L-	Recovery is below control limits
B-	Compound detected in the Blank
P-	RPD of dual column results exceeds 40%
#-	Sample result too high for accurate spike recovery

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
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Client: Mr. Chris Carlson
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET # 13030170

Report Date: March 21, 2013
Client Project: Scofieldtown Landfill Closure, Stamford
Client Project #: 191277.000000.000000
Client P.O. #: 55016

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date	Collection Time	Receipt Date
AF26601	TB031113	Water	3/11/2013	8:00	03/11/2013
AF26602	UNB-SP1	Water	3/11/2013	10:20	03/11/2013
AF26603	UNB-SP2	Water	3/11/2013	12:00	03/11/2013
AF26604	UNB-SP3	Water	3/11/2013	13:00	03/11/2013
AF26605	UNB-SP6	Water	3/11/2013	12:30	03/11/2013
AF26606	UNB-SP5	Water	3/11/2013	14:15	03/11/2013

Sample temperature upon receipt was 3.6 degrees C

PREP ANALYSIS:

Acid Digestion of Waters [EPA 3005A]

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/12/2013	3/12/2013	3/12/2013	3/12/2013	3/12/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/12/2013	3/12/2013	3/12/2013	3/12/2013	3/12/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/12/2013	3/12/2013	3/12/2013	3/12/2013	3/12/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013

ANALYSIS:

Chloride Dup Result [EPA 300.0] Units: mg/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/21/2013
Chloride Dup Result	61

Ammonia as N Dup Result [SM4500-NH3 H] Units: mg/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/18/2013
Ammonia as N Dup Result	1.8

Nitrate as N Dup Res [EPA 300.0] Units: mg/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/12/2013-12:50
Nitrate as N Dup Res	0.36

Sulfate Dup Result [EPA 300.0] Units: mg/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/13/2013
Sulfate Dup Result	18

Mercury Dup Result [EPA 7470A] Units: mg/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/13/2013
Mercury Dup Result	ND < 0.0004

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Alkalinity, Tot(CaCO3)	190	310	830	420	450

Chloride [EPA 300.0] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/21/2013	3/21/2013	3/21/2013	3/21/2013	3/21/2013
Chloride	71	64	100	63	970

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013
Ammonia as N	0.13	1.8	17	1.7	0.48

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/12/2013-12:17	3/12/2013-12:34	3/12/2013-13:40	3/12/2013-13:56	3/12/2013-14:13
Nitrate as N	2.7	0.33	ND < 0.10	1.6	4.0

Sulfate [EPA 300.0] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/21/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Sulfate	71	18	18	18	43

Hardness [2340B] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Hardness	210	300	660	310	520

Total Mercury [EPA 7470A] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Total Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23
Biochemical Oxygen Demand, 5 Day	6	12	59	7.1	ND < 42

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Dissolved Solids	340	380	600	440	1700

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Suspended Solids	100	470	590	410	4000

Total Metals [EPA 200.7] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	0.018	0.092	0.017	2.2
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	0.026
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	0.01	ND < 0.004	0.0058	0.0055
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	2.6
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	0.14
Zinc	0.04	0.082	0.13	0.069	2.7
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Manganese	0.051	1.1	1.0	1.2	0.53
Sodium	52	40	79	40	630
Potassium	6.7	17	110	16	30
Iron	0.11	110	38	100	38

Total Metals by ICAP Dup Result [EPA 200.7] Units: mg/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/13/2013
Dilution	1.0
Lead	0.019
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	0.011
Silver	ND < 0.012
Copper	ND < 0.04
Nickel	ND < 0.05
Zinc	0.081
Beryllium	ND < 0.004
Antimony	ND < 0.05
Thallium	ND < 0.05
Manganese	1.1
Sodium	40
Potassium	17
Iron	110

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	0.057
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Manganese	0.028	0.81	0.76	0.84	0.14
Iron	ND < 0.10	0.51	1.9	1.1	0.76

Duplicate for Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/19/2013
Dilution	1.0
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.004
Silver	ND < 0.012
Copper	ND < 0.04
Nickel	ND < 0.05
Zinc	ND < 0.02
Beryllium	ND < 0.004
Antimony	ND < 0.006
Thallium	ND < 0.005
Manganese	0.81
Iron	0.40

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1	1	1	1	1
4,4-DDD	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alachlor	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Heptachlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80
TCMX (Surr 1)	98	110	112	149	125
DCB (Surr 2)	97	62	102	147	122

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	67	68	80	78	86
DCB (Surr 2) 50-150	88	51	70	81	86

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/20/2013	3/20/2013	3/20/2013	3/20/2013	3/20/2013
Dilution	1.0	1.0	1.0	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
DCPAA (Surr)	66	57	68	71	53

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Aniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
bis(2-chloroisopropyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobutadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloro-3-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
n-Nitrosodiphenylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	0.54	ND < 0.077	ND < 0.077	ND < 0.077	0.27
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluoranthene	1.3	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Pyrene	1.1	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Butylbenzylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
3,3-Dichlorobenzidine	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Benzo[a]anthracene	0.72	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzo[b]fluoranthene	0.61	ND < 0.08	ND < 0.08	ND < 0.08	0.61
Benzo[k]fluoranthene	0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Benzo[a]pyrene	0.63	ND < 0.20	ND < 0.20	ND < 0.20	0.56
Indeno[1,2,3-cd]pyrene	0.48	ND < 0.20	ND < 0.20	ND < 0.20	0.59
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	24	24	30	20	37
Phenol-d6(Surr) -	16	17	23	14	27
Nitrobenzene-d5(Surr) 30-130	57	47	62	47	60
2-Fluorobiphenyl (Surr) 30-130	59	52	68	54	66
2,4,6-Tribromophenol (Surr) 15-110	92	75	98	84	92
Terphenyl-d14 (Surr) 30-130	73	60	74	65	66

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6	UNB-SP5
CET ID	AF26602	AF26603	AF26604	AF26605	AF26606
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Dilution	1.0	1.0	1.0	1.0	1.0
ETPH	ND < 0.10	ND < 0.10	1.2*	ND < 0.10	0.77*
Octacosane (surr) 50-150	75	73	130	63	86

*C_9 – C_{36} Unknown

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	TB031113	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6
CET ID	AF26601	AF26602	AF26603	AF26604	AF26605
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	TB031113	UNB-SP1	UNB-SP2	UNB-SP3	UNB-SP6
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	3.9	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	2.2	ND < 1.0	2.1
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichloroethene	ND < 1.0	18	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chlorobenzene	ND < 1.0	ND < 1.0	30	2.3	30
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	1.6	ND < 1.0	1.5
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	103	102	104	106	105
toluene-d8 (SURR) 70-130	100	99.6	100	101	99.6
4-bromofluorobenzene (SURR) 70-130	113	115	115	113	112

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	UNB-SP5
CET ID	AF26606
Date Analyzed	3/13/2013
Dilution	1.0
Dichlorodifluoromethane	ND < 10
Chloromethane	ND < 2.7
Vinyl Chloride	ND < 1.6
Bromomethane	ND < 5.0
Chloroethane	ND < 5.0
Acetone	ND < 50
Acrylonitrile	ND < 0.50
Trichlorofluoromethane	ND < 25
Trichlorotrifluoroethane	ND < 25
1,1-Dichloroethene	ND < 1.0
Methylene Chloride	ND < 5.0
Carbon Disulfide	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0
1,1-Dichloroethane	ND < 1.0
2-Butanone (MEK)	ND < 25
2,2-Dichloropropane	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0
Chloroform	ND < 1.0
Tetrahydrofuran	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0
Carbon Tetrachloride	ND < 1.0
1,1-Dichloropropene	ND < 1.0
Benzene	ND < 1.0
1,2-Dichloroethane	ND < 1.0
Methyl Isobutyl Ketone	ND < 25
Trichloroethene	ND < 1.0
1,2-Dichloropropane	ND < 1.0
Dibromomethane	ND < 1.0
Bromodichloromethane	ND < 0.50
2-Hexanone	ND < 25
cis-1,3-Dichloropropene	ND < 0.50
Toluene	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0
Tetrachloroethene	ND < 1.0
1,3-Dichloropropane	ND < 0.50
Dibromochloromethane	ND < 0.50
1,2-Dibromoethane	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10
Chlorobenzene	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0
Ethylbenzene	ND < 1.0
m+p Xylenes	ND < 1.0
o-Xylene	ND < 1.0
Styrene	ND < 1.0
Bromoform	ND < 1.0
Isopropylbenzene	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50
Bromobenzene	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	UNB-SP5
1,2,3-Trichloropropane	ND < 1.0
n-Propylbenzene	ND < 1.0
2-Chlorotoluene	ND < 1.0
4-Chlorotoluene	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0
tert-Butylbenzene	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0
sec-Butylbenzene	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0
4-Isopropyltoluene	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0
n-Butylbenzene	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0
Hexachlorobutadiene	ND < 0.45
Naphthalene	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	106
toluene-d8 (SURR) 70-130	101
4-bromofluorobenzene (SURR) 70-130	113

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	UNB-SP2
CET ID	AF26603
Date Analyzed	3/14/2013
Dilution	1.0
Dichlorodifluoromethane	ND < 10
Chloromethane	ND < 2.7
Vinyl Chloride	ND < 1.6
Bromomethane	ND < 5.0
Chloroethane	ND < 5.0
Acetone	ND < 50
Acrylonitrile	ND < 20
Trichlorofluoromethane	ND < 25
Trichlorotrifluoroethane	ND < 25
1,1-Dichloroethene	ND < 1.0
Methylene Chloride	ND < 5.0
Carbon Disulfide	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0
1,1-Dichloroethane	ND < 1.0
2-Butanone (MEK)	ND < 25
2,2-Dichloropropane	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0
Chloroform	ND < 1.0
Tetrahydrofuran	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0
Carbon Tetrachloride	ND < 1.0
1,1-Dichloropropene	ND < 1.0

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	UNB-SP2
Benzene	2.1
1,2-Dichloroethane	ND < 1.0
Methyl Isobutyl Ketone	ND < 25
Trichloroethene	ND < 1.0
1,2-Dichloropropane	ND < 1.0
Dibromomethane	ND < 1.0
Bromodichloromethane	ND < 0.5
2-Hexanone	ND < 25
cis-1,3-Dichloropropene	ND < 0.5
Toluene	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.5
1,1,2-Trichloroethane	ND < 1.0
Tetrachloroethene	ND < 1.0
1,3-Dichloropropane	ND < 1.0
Dibromochloromethane	ND < 0.5
1,2-Dibromoethane	ND < 0.5
trans-1,4-Dichloro-2-Butene	ND < 10
Chlorobenzene	29
1,1,1,2-Tetrachloroethane	ND < 1.0
Ethylbenzene	ND < 1.0
m+p Xylenes	ND < 1.0
o-Xylene	ND < 1.0
Styrene	ND < 1.0
Bromoform	ND < 1.0
Isopropylbenzene	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.5
Bromobenzene	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0
n-Propylbenzene	ND < 1.0
2-Chlorotoluene	ND < 1.0
4-Chlorotoluene	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0
tert-Butylbenzene	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0
sec-Butylbenzene	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0
4-Isopropyltoluene	ND < 1.0
1,4-Dichlorobenzene	1.5
1,2-Dichlorobenzene	ND < 1.0
n-Butylbenzene	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0
Hexachlorobutadiene	ND < 0.45
Naphthalene	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	100
toluene-d8 (SURR) 70-130	100
4-bromofluorobenzene (SURR) 70-130	110

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. Sample Result Flags:
   E - The result is estimated, above the calibration range.
   H - The surrogate recovery is above the control limits.
   L - The surrogate recovery is below the control limits.
   B - The compound was detected in the laboratory blank.
   P - The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
   D - The RPD between the sample and the sample duplicate is high. Sample homogeneity may be a problem.
5. All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

CET
COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

Volatile Soils Only: 13030170
Date and Time in Freezer
Client:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette, Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day, 24 Hours, 2-3 Days, Standard

Organics: 8260 CT List, 8260 Aromatics, 8260 Halogens, SPLP 8260, TCLP 8260, TPH (418.1), CT ETPH, 8270 CT List, 8270 PNAs, PCBs, Pesticides

Metals (check all that apply): 13 Priority Poll, 8 RCRA, TOTAL, TCLP, SPLP, Field Filtered, Lab To Filter

Additional Analysis: Total K & Na, Herbicides, Ammonia (as Nitrogen), T&D Fe & Mn, TDS, TSS, ALKALINITY, Hardness, NO3, Chlorides, Sulfates, BOD

Sample ID	Date/Time	Matrix	Same Day	24 Hours	2-3 Days	Standard	8260 CT List	8260 Aromatics	8260 Halogens	SPLP 8260	TCLP 8260	TPH (418.1)	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	Total K & Na	Herbicides	Ammonia (as Nitrogen)	T&D Fe & Mn	TDS, TSS, ALKALINITY	Hardness, NO3	Chlorides, Sulfates	BOD	TOTAL # OF CONT.	NOTE #
TB031113	3/11/13 0900	W				X	X			(CET)			X	X		X	X	X						X	X	X	X	X	X	X	X	X	12	
UNB-SP1	1020	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X	11	
UNB-SP2	1200	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X	13	1
UNB-SP3	1300	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X	11	
UNB-SP6	1230	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X	11	
~~UNB-SP4~~		W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		
UNB-SP5	1415	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X	11	
																																	7	

PRESERVATIVE (Cl-HCl, N-HNO_3, S-H_2SO_4, Na-NaOH, C=Cool, O-Other)
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)
Soil VOCs Only (M=MeOH B= Sodium Bisulfate W=Water F= Empty Vial E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	3/11/13 1725	[signature]
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES: (1) MS/MSD volume included.

Client / Reporting Information

Company Name: TRC
Address: 21 Griffin Road North
City: Windsor State: CT Zip: 06095
Report To: Chris Carlson E-mail: ccarlson@trcsolutions.com
Phone #: 860-989-5416 Fax #: 860-298-6399

Project Information

Project Contact: Chris Carlson PO #:
Project: Scofieldtown Landfill Closure Project #: 191277.000000.000000
Location: Stamford, CT Collector(s): C. Carlson

QA/QC: ☐ Std ☐ Site Specific (MS/MSD) * ☒ RCP Pkg *
Data Report: ☒ Email ☒ PDF ☒ Excel ☐ Other
RSR Reporting Limits (check one): ☐ GA ☐ GB ☐ SWP ☐ Other (Specify)

Date Collected: [illegible] Time Collected: [illegible] Temp Upon Receipt: [illegible]

SHEET 1 OF 1

* Additional charge may apply. ** TAT begins when the samples are received at the Lab. TAT for samples received after 3 p.m. will start on the next business day.

REV. 5/9/06

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc.

Client: TRC Environmental Consultants

Project Location: Scofiledtown Landfill Closure, Stamford

Project Number: 191277.000000.000000

Laboratory Sample ID(s): AF26601 – AF26606

Sampling Date(s): 3/11/13

List RCP Methods Used (e.g., 8260, 8270, et cetera):

CET#: 13030170

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☒Yes ☐No
1A	Were the method specified preservation and holding time requirements met?	☒Yes ☐No
1B	**VPH and EPH Methods only:** Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒Yes ☐No
3	Were samples received at an appropriate temperature (<6°C)?	☒Yes ☐ No ☐N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐Yes ☒No
5	a) Were reporting limits specified or referenced on the chain-of custody? b) Were these reporting limits met?	☒Yes ☐No ☒Yes ☐No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐Yes ☒No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒Yes ☐No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____ **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 3/22/13

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

COMPLETE ENVIRONMENTAL TESTING, INC.

80Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

QA Report

Project: Scofieldtown Landfill Closure, Stamford
CET#: 13030170

Blank/LCS Report

QA Type: Conn. Extractable TPH Date Analyzed: 3/13/2013 Batch ID: 84732

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<0.10	75	60-120

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Total Mercury Date Analyzed: 3/13/2013 Batch ID: 84739

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.0004	94	90-110

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Chloride Date Analyzed: 3/21/2013 Batch ID: 84746

Analyte	Blank	LCS%Rec	LCS CL
Chloride	ND<5.0	95	90-110

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Batch ID: 84748

Analyte	Blank	LCS%Rec	LCS CL
Nitrate as N	ND<0.10	100	90-110

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Sulfate Date Analyzed: 3/13/2013 Batch ID: 84750

Analyte	Blank	LCS%Rec	LCS CL
Sulfate	ND<0.10	101	90-110

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84758

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	92	85-115
Selenium	ND<0.01	94	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	96	85-115
Silver	ND<0.012	93	85-115
Copper	ND<0.04	97	85-115

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84758

Analyte	Blank	LCS%Rec	LCS CL
Nickel	ND<0.05	93	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	94	85-115
Antimony	ND<0.05	98	85-115
Thallium	ND<0.05	96	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	99	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	101	85-115

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84759

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	92	85-115
Selenium	ND<0.01	94	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	96	85-115
Silver	ND<0.012	93	85-115
Copper	ND<0.04	97	85-115
Nickel	ND<0.05	93	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	94	85-115
Antimony	ND<0.05	98	85-115
Thallium	ND<0.05	96	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	99	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	101	85-115

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Volatile Organics Date Analyzed: 3/13/2013 Batch ID: 84762

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	238 H	70-130
Chloromethane	ND<2.7	205 H	70-130
Vinyl Chloride	ND<1.6	192 H	70-130
Bromomethane	ND<5.0	166 H	70-130
Chloroethane	ND<5.0	144 H	70-130
Acetone	ND<50	113	70-130
Acrylonitrile	ND<20	102	70-130
Trichlorofluoromethane	ND<25	128	70-130
Trichlorotrifluoroethane	ND<25	96	70-130
1,1-Dichloroethene	ND<1.0	104	70-130
Methylene Chloride	ND<5.0	95	70-130
Carbon Disulfide	ND<5.0	118	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	101	70-130
trans-1,2-Dichloroethene	ND<1.0	106	70-130
1,1-Dichloroethane	ND<1.0	105	70-130
2-Butanone (MEK)	ND<25	80	70-130
2,2-Dichloropropane	ND<1.0	107	70-130
cis-1,2-Dichloroethene	ND<1.0	106	70-130
Chloroform	ND<1.0	101	70-130
Tetrahydrofuran	ND<5.0	101	70-130
1,1,1-Trichloroethane	ND<1.0	101	70-130

Project: Scofieldtown Landfill Closure, Stamford
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QA Type: Volatile Organics Date Analyzed: 3/13/2013 Batch ID: 84762

Analyte	Blank	LCS%Rec	LCS CL
Carbon Tetrachloride	ND<1.0	107	70-130
1,1-Dichloropropene	ND<1.0	112	70-130
Benzene	ND<1.0	110	70-130
1,2-Dichloroethane	ND<1.0	101	70-130
Methyl Isobutyl Ketone	ND<25	96	70-130
Trichloroethene	ND<1.0	102	70-130
1,2-Dichloropropane	ND<1.0	106	70-130
Dibromomethane	ND<1.0	103	70-130
Bromodichloromethane	ND<0.5	100	70-130
2-Hexanone	ND<25	95	70-130
cis-1,3-Dichloropropene	ND<0.5	108	70-130
Toluene	ND<1.0	110	70-130
trans-1,3-Dichloropropene	ND<0.5	103	70-130
1,1,2-Trichloroethane	ND<1.0	99	70-130
Tetrachloroethene	ND<1.0	114	70-130
1,3-Dichloropropane	ND<1.0	102	70-130
Dibromochloromethane	ND<0.5	84	70-130
1,2-Dibromoethane	ND<0.5	87	70-130
Chlorobenzene	ND<1.0	88	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	83	70-130
Ethylbenzene	ND<1.0	91	70-130
m+p Xylenes	ND<1.0	90	70-130
o-Xylene	ND<1.0	89	70-130
Styrene	ND<1.0	90	70-130
Bromoform	ND<1.0	80	70-130
Isopropylbenzene	ND<1.0	88	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	85	70-130
Bromobenzene	ND<1.0	92	70-130
1,2,3-Trichloropropane	ND<1.0	83	70-130
n-Propylbenzene	ND<1.0	96	70-130
2-Chlorotoluene	ND<1.0	81	70-130
4-Chlorotoluene	ND<1.0	117	70-130
1,3,5-Trimethylbenzene	ND<1.0	94	70-130
tert-Butylbenzene	ND<1.0	92	70-130
1,2,4-Trimethylbenzene	ND<1.0	96	70-130
sec-Butylbenzene	ND<1.0	95	70-130
1,3-Dichlorobenzene	ND<1.0	93	70-130
4-Isopropyltoluene	ND<1.0	97	70-130
1,4-Dichlorobenzene	ND<1.0	90	70-130
1,2-Dichlorobenzene	ND<1.0	91	70-130
n-Butylbenzene	ND<1.0	101	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	86	70-130
1,2,4-Trichlorobenzene	ND<1.0	111	70-130
Hexachlorobutadiene	ND<0.45	84	70-130
Naphthalene	ND<1.0	121	70-130
1,2,3-Trichlorobenzene	ND<1.0	121	70-130

All associated samples: AF26601 AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: EPA 8082 PCBs Date Analyzed: 3/13/2013 Batch ID: 84764

Analyte	Blank	LCS%Rec	LCS CL
PCB-1016	ND<0.50	74	40-140
PCB-1260	ND<0.50	79	40-140

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84813

Analyte	Blank	LCS%Rec	LCS CL
Pyridine	ND<4.0	33	30-130
n-Nitroso-dimethylamine	ND<20	40	40-140
bis(2-Chloroethyl)ether	ND<10	63	40-140
Phenol	ND<20	30	30-130
Aniline	ND<20	77	30-130
2-Chlorophenol	ND<20	60	30-130
1,3-Dichlorobenzene	ND<5.0	63	40-140
1,4-Dichlorobenzene	ND<5.0	63	40-140
Benzyl Alcohol	ND<20	57	30-130
1,2-Dichlorobenzene	ND<5.0	63	40-140
bis(2-chloroisopropyl)ether	ND<10	60	40-140
Hexachloroethane	ND<3.0	53	40-140
N-Nitroso-di-n-propylamine	ND<10	77	40-140
2-Methyl Phenol	ND<20	53	30-130
3+4 Methyl Phenol	ND<20	47	30-130
Nitrobenzene	ND<20	67	40-140
Isophorone	ND<20	80	40-140
2-Nitrophenol	ND<20	67	30-130
2,4-Dimethylphenol	ND<20	40	30-130
bis(2-Chloroethoxy)methane	ND<20	73	40-140
Benzoic Acid	ND<20	27 L	40-140
2,4-Dichlorophenol	ND<20	73	30-130
1,2,4-Trichlorobenzene	ND<5.0	70	40-140
Naphthalene	ND<1.0	70	40-140
2,6-Dichlorophenol	ND<20	70	30-130
4-Chloroaniline	ND<20	133 H	30-130
1,2,4,5 Tetrachlorobenzene	ND<20	77	40-140
Hexachlorobutadiene	ND<20	67	40-140
4-Chloro-3-methylphenol	ND<20	77	30-130
2-Methyl Naphthalene	ND<1.0	77	40-140
Hexachlorocyclopentadiene	ND<20	40	40-140
2,4,6-Trichlorophenol	ND<20	83	30-130
2,4,5-Trichlorophenol	ND<20	83	30-130
2-Chloronaphthalene	ND<20	77	40-140
2-Nitroaniline	ND<20	83	30-130
Acenaphthylene	ND<0.30	77	40-140
Dimethylphthalate	ND<20	90	40-140
2,6-Dinitrotoluene	ND<75	87	40-140
4-Nitroaniline	ND<20	80	30-130
Acenaphthene	ND<1.0	80	40-140
2,4-Dinitrophenol	ND<20	23 L	30-130
2,4-Dinitrotoluene	ND<75	87	40-140
4-Nitrophenol	ND<75	33	30-130
Dibenzofuran	ND<1.0	83	40-140
2,3,4,6-Tetrachlorophenol	ND<20	90	30-130
Fluorene	ND<1.0	87	40-140
4-Chlorophenyl-phenylether	ND<20	83	40-140
Diethylphthalate	ND<20	90	40-140
3-Nitroaniline	ND<20	133 H	30-130
4,6-Dinitro-2-methylphenol	ND<20	40	30-130
n-Nitrosodiphenylamine	ND<20	100	40-140
1,2-Diphenylhydrazine	ND<20	83	40-140
4-Bromophenyl-phenylether	ND<20	90	40-140
Hexachlorobenzene	ND<0.077	90	40-140

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84813

Analyte	Blank	LCS%Rec	LCS CL
Pentachlorophenol	ND<1.0	70	30-130
Phenanthrene	ND<0.077	87	40-140
Anthracene	ND<1.0	87	40-140
Carbazole	ND<1.0	107	40-140
Di-n-butylphthalate	ND<20	93	40-140
Pentachloronitrobenzene	ND<20	97	40-140
Fluoranthene	ND<1.0	90	40-140
Pyrene	ND<1.0	90	40-140
Butylbenzylphthalate	ND<20	97	40-140
3,3-Dichlorobenzidine	ND<75	73	40-140
Benzo[a]anthracene	ND<0.06	97	40-140
Chrysene	ND<1.0	93	40-140
bis(2-Ethylhexyl)phthalate	ND<2.0	97	40-140
Di-n-octylphthalate	ND<20	100	30-130
Benzo[b]fluoranthene	ND<0.08	93	40-140
Benzo[k]fluoranthene	ND<0.30	93	40-140
Benzo[a]pyrene	ND<0.20	93	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	97	40-140
Dibenz[a,h]anthracene	ND<0.20	90	40-140
Benzo[g,h,i]perylene	ND<1.0	97	40-140

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Batch ID: 84829

Analyte	Blank	LCS%Rec	LCS CL
Ammonia as N	ND<0.10	86	67-111

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Biochemical Oxygen Demand, 5 Day Date Analyzed: 3/12/2013 Batch ID: 84833

Analyte	Blank	LCS%Rec	LCS CL
Biochemical Oxygen Demand, 5 Day	ND<1	105	62-111

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Batch ID: 84862

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	96	80-120
Selenium	ND<0.002	102	80-120
Cadmium	ND<0.001	100	80-120
Chromium	ND<0.001	98	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	96	80-120
Copper	ND<0.001	96	80-120
Nickel	ND<0.001	97	80-120
Zinc	ND<0.002	97	80-120
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	99	80-120
Thallium	ND<0.001	94	80-120
Manganese	ND<0.001	96	80-120
Iron	ND<0.01	105	80-120
Mercury	ND<0.0002	101	80-120

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

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QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Batch ID: 84869

Analyte	Blank	LCS%Rec	LCS CL
4,4-DDD	ND<0.10	115	40-140
4,4-DDE	ND<0.10	111	40-140
4,4-DDT	ND<0.10	122	40-140
4,4-Methoxychlor	ND<0.10	114	40-140
Aldrin	ND<0.10	111	40-140
Alpha-BHC	ND<0.10	111	40-140
Beta-BHC	ND<0.10	127	40-140
Delta-BHC	ND<0.10	125	40-140
Dieldrin	ND<0.002	118	40-140
Endosulfan I	ND<0.10	108	40-140
Endosulfan II	ND<0.10	106	40-140
Endosulfan Sulfate	ND<0.10	121	40-140
Endrin	ND<0.10	100	40-140
Endrin Aldehyde	ND<0.10	130	40-140
Endrin Ketone	ND<0.10	127	40-140
Gamma-BHC	ND<0.10	114	40-140
Heptachlor	ND<0.10	110	40-140
Heptachlor Epoxide	ND<0.10	113	40-140

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/20/2013 Batch ID: 84879

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-T	ND<0.40	118	40-140
2,4-D	ND<2.0	122	40-140
2,4-DB	ND<4.0	119	40-140
3,5-Dichlorobenzoic acid	ND<0.40	106	40-140
4-Nitrophenol	ND<2.0	112	40-140
Dalapon	ND<4.0	50	40-140
Dicamba	ND<0.40	138	40-140
Dichloroprop	ND<2.0	122	40-140
Dinoseb	ND<0.40	111	40-140
PCP	ND<0.10	130	40-140
Picloram	ND<0.40	70	40-140
Silvex	ND<0.40	125	40-140

All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

Matrix Spike Report

QA Type: Conn. Extractable TPH Date Analyzed: 3/14/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
ETPH	ND<0.10	5	76	65	50-150	16.00	30

QA Type: Total Mercury Date Analyzed: 3/13/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Total Mercury	ND<0.0004	0.0050	108	108	75-125	0.00	20

QA Type: Chloride Date Analyzed: 3/21/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Chloride	64	50.0	104	102	80-123	1.90	20

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Nitrate as N	0.33	5.0	99	100	89-118	1.40	20

QA Type: Sulfate Date Analyzed: 3/13/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Sulfate	18	5.0	#	#	82-123	#	20

QA Type: Total Metals Date Analyzed: 3/13/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Lead	0.018	0.200	94	92	75-125	2.70	20
Selenium	ND<0.01	0.400	96	96	75-125	0.31	20
Cadmium	ND<0.005	0.200	92	92	75-125	0.54	20
Chromium	ND<0.05	0.200	93	93	75-125	0.00	20
Arsenic	0.01	0.200	96	96	75-125	0.52	20
Silver	ND<0.012	0.100	96	96	75-125	0.31	20
Copper	ND<0.04	0.200	108	106	75-125	1.90	20
Nickel	ND<0.05	0.200	103	102	75-125	0.98	20
Zinc	0.082	0.200	104	98	75-125	5.90	20
Beryllium	ND<0.004	0.200	93	92	75-125	0.54	20
Antimony	ND<0.05	0.100	93	93	75-125	0.43	20
Thallium	ND<0.05	0.200	93	93	75-125	0.00	20
Manganese	1.1	0.200	115	100	75-125	14.00	20
Sodium	40	5.00	#	#	75-125	#	20
Potassium	17	5.00	#	#	75-125	#	20
Iron	110	5.00	#	#	75-125	#	20

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Dichlorodifluoromethane	ND<10	50	178 H	180 H	70-130	1.10	30
Chloromethane	ND<2.7	50.0	169 H	166 H	70-130	1.80	30
Vinyl Chloride	ND<1.6	50.0	164 H	159 H	70-130	3.10	30
Bromomethane	ND<5.0	50.0	140 H	136 H	70-130	2.90	30
Chloroethane	ND<5.0	50.0	141 H	138 H	70-130	2.20	30
Acetone	ND<50	100	88	88	70-130	0.00	30
Acrylonitrile	ND<0.50	50	108	110	70-130	1.80	30
Trichlorofluoromethane	ND<25	50	124	118	70-130	5.00	30
Trichlorotrifluoroethane	ND<25	50	88	88	70-130	0.00	30
1,1-Dichloroethene	ND<1.0	50.0	104	104	70-130	0.00	30
Methylene Chloride	ND<5.0	50.0	96	97	70-130	0.41	30
Carbon Disulfide	ND<5.0	50.0	116	115	70-130	0.87	30
Methyl-t-Butyl Ether (MTBE)	ND<5.0	50.0	103	103	70-130	0.00	30
trans-1,2-Dichloroethene	ND<1.0	50.0	109	109	70-130	0.00	30
1,1-Dichloroethane	ND<1.0	50.0	108	109	70-130	0.92	30
2-Butanone (MEK)	ND<25	100	79	80	70-130	1.30	30
2,2-Dichloropropane	ND<1.0	50.0	54 L	54 L	70-130	0.74	30
cis-1,2-Dichloroethene	ND<1.0	50.0	104	106	70-130	1.90	30
Chloroform	ND<1.0	50.0	103	105	70-130	1.90	30
Tetrahydrofuran	ND<5.0	50.0	104	105	70-130	0.96	30
1,1,1-Trichloroethane	ND<1.0	50.0	97	100	70-130	3.50	30
Carbon Tetrachloride	ND<1.0	50.0	101	105	70-130	3.90	30
1,1-Dichloropropene	ND<1.0	50.0	107	110	70-130	2.80	30
Benzene	2.2	50.0	109	113	70-130	3.60	30
1,2-Dichloroethane	ND<1.0	50.0	101	103	70-130	2.00	30
Methyl Isobutyl Ketone	ND<25	100	95	98	70-130	3.10	30
Trichloroethene	ND<1.0	50.0	99	103	70-130	3.60	30
1,2-Dichloropropane	ND<1.0	50.0	106	108	70-130	1.90	30
Dibromomethane	ND<1.0	50.0	102	106	70-130	3.80	30
Bromodichloromethane	ND<0.50	50.0	99	102	70-130	3.00	30
2-Hexanone	ND<25	100	90	93	70-130	3.30	30
cis-1,3-Dichloropropene	ND<0.50	50.0	95	99	70-130	3.50	30
Toluene	ND<1.0	50.0	110	112	70-130	1.80	30
trans-1,3-Dichloropropene	ND<0.50	50.0	92	94	70-130	1.70	30
1,1,2-Trichloroethane	ND<1.0	50.0	100	103	70-130	3.00	30
Tetrachloroethene	ND<1.0	50.0	108	109	70-130	0.92	30
1,3-Dichloropropane	ND<0.50	50.0	103	104	70-130	0.97	30
Dibromochloromethane	ND<0.50	50.0	82	86	70-130	4.30	30
1,2-Dibromoethane	ND<0.50	50.0	86	89	70-130	3.90	30
Chlorobenzene	30	50.0	80	81	70-130	1.70	30
1,1,1,2-Tetrachloroethane	ND<1.0	50.0	82	85	70-130	3.30	30
Ethylbenzene	ND<1.0	50.0	89	92	70-130	3.30	30
m+p Xylenes	ND<1.0	100.0	86	92	70-130	6.60	30
o-Xylene	ND<1.0	50.0	86	88	70-130	2.10	30
Styrene	ND<1.0	50.0	79	82	70-130	3.70	30
Bromoform	ND<1.0	50.0	78	80	70-130	3.30	30
Isopropylbenzene	ND<1.0	50.0	84	86	70-130	2.60	30
1,1,2,2-Tetrachloroethane	ND<0.50	50.0	84	88	70-130	4.40	30
Bromobenzene	ND<1.0	50.0	90	94	70-130	4.60	30
1,2,3-Trichloropropane	ND<1.0	50.0	81	87	70-130	7.10	30
n-Propylbenzene	ND<1.0	50.0	89	93	70-130	4.00	30
2-Chlorotoluene	ND<1.0	50.0	78	83	70-130	5.70	30
4-Chlorotoluene	ND<1.0	50.0	109	112	70-130	2.70	30
1,3,5-Trimethylbenzene	ND<1.0	50.0	88	92	70-130	4.20	30

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
tert-Butylbenzene	ND<1.0	50.0	87	91	70-130	5.40	30
1,2,4-Trimethylbenzene	ND<1.0	50.0	90	95	70-130	5.60	30
sec-Butylbenzene	ND<1.0	50.0	86	91	70-130	5.40	30
1,3-Dichlorobenzene	ND<1.0	50.0	87	92	70-130	5.80	30
4-Isopropyltoluene	ND<1.0	50.0	87	92	70-130	5.40	30
1,4-Dichlorobenzene	1.6	50.0	85	88	70-130	3.70	30
1,2-Dichlorobenzene	ND<1.0	50.0	86	92	70-130	6.50	30
n-Butylbenzene	ND<1.0	50.0	83	89	70-130	6.30	30
1,2-Dibromo-3-Chloropropane	ND<1.0	50.0	68 L	82	70-130	18.00	30
1,2,4-Trichlorobenzene	ND<1.0	50.0	78	92	70-130	16.00	30
Hexachlorobutadiene	ND<0.45	50.00	55 L	62 L	70-130	11.00	30
Naphthalene	ND<1.0	50.0	71	101	70-130	34.00 H	30
1,2,3-Trichlorobenzene	ND<1.0	50.0	75	98	70-130	27.00	30

QA Type: EPA 8082 PCBs Date Analyzed: 3/13/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
PCB-1016	ND<0.50	1.0	92	82	40-140	11.00	50
PCB-1260	ND<0.50	1.0	290 H	86	40-140	110.00 H	50

QA Type: Semi-Volatile Organics Date Analyzed: 3/18/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Pyridine	ND<4.0	30	30	30	30-130	0.00	20
n-Nitroso-dimethylamine	ND<20	30	33 L	37 L	40-140	9.70	20
bis(2-Chloroethyl)ether	ND<10	30	60	60	40-140	0.00	20
Phenol	ND<20	30	23 L	23 L	30-130	0.00	20
Aniline	ND<20	30	47	47	30-130	0.00	20
2-Chlorophenol	ND<20	30	50	53	30-130	6.40	20
1,3-Dichlorobenzene	ND<5.0	30	60	60	40-140	0.00	20
1,4-Dichlorobenzene	ND<5.0	30	63	67	40-140	5.20	20
Benzyl Alcohol	ND<20	30	47	50	30-130	6.80	20
1,2-Dichlorobenzene	ND<5.0	30	63	63	40-140	0.00	20
bis(2-chloroisopropyl)ether	ND<10	30	53	57	40-140	6.20	20
Hexachloroethane	ND<3.0	30	37 L	40	40-140	8.60	20
N-Nitroso-di-n-propylamine	ND<10	30	70	70	40-140	0.00	20
2-Methyl Phenol	ND<20	30	40	43	30-130	7.90	20
3+4 Methyl Phenol	ND<20	30	37	40	30-130	8.60	20
Nitrobenzene	ND<20	30	63	63	40-140	0.00	20
Isophorone	ND<20	30	70	70	40-140	0.00	20
2-Nitrophenol	ND<20	30	57	60	30-130	5.70	20
2,4-Dimethylphenol	ND<20	30	40	40	30-130	0.00	20
bis(2-Chloroethoxy)methane	ND<20	30	67	67	40-140	0.00	20
Benzoic Acid	ND<20	30	23 L	23 L	40-140	0.00	20
2,4-Dichlorophenol	ND<20	30	63	63	30-130	0.00	20
1,2,4-Trichlorobenzene	ND<5.0	30	67	67	40-140	0.00	20
Naphthalene	ND<1.0	30	67	67	40-140	0.00	20
2,6-Dichlorophenol	ND<20	30	63	63	30-130	0.00	20
4-Chloroaniline	ND<20	30	80	77	30-130	4.20	20
1,2,4,5 Tetrachlorobenzene	ND<20	30	73	73	40-140	0.00	20
Hexachlorobutadiene	ND<20	30	63	63	40-140	0.00	20
4-Chloro-3-methylphenol	ND<20	30	63	63	30-130	0.00	20
2-Methyl Naphthalene	ND<1.0	30	73	73	40-140	0.00	20
Hexachlorocyclopentadiene	ND<20	30	33 L	27 L	40-140	22.00 H	20

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

QA Type: Semi-Volatile Organics Date Analyzed: 3/18/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
2,4,6-Trichlorophenol	ND<20	30	73	73	30-130	0.00	20
2,4,5-Trichlorophenol	ND<20	30	73	73	30-130	0.00	20
2-Chloronaphthalene	ND<20	30	73	73	40-140	0.00	20
2-Nitroaniline	ND<20	30	77	77	30-130	0.00	20
Acenaphthylene	ND<0.30	30	73	70	40-140	4.60	20
Dimethylphthalate	ND<20	30	80	77	40-140	4.20	20
2,6-Dinitrotoluene	ND<75	30	80	77	40-140	4.20	20
4-Nitroaniline	ND<20	30	77	77	30-130	0.00	20
Acenaphthene	ND<1.0	30	73	73	40-140	0.00	20
2,4-Dinitrophenol	ND<20	30	43	27 L	30-130	47.00 H	20
2,4-Dinitrotoluene	ND<75	30	77	77	40-140	0.00	20
4-Nitrophenol	ND<75	30	33	33	30-130	0.00	20
Dibenzofuran	ND<4.0	30	77	77	40-140	0.00	20
2,3,4,6-Tetrachlorophenol	ND<20	30	77	77	30-130	0.00	20
Fluorene	ND<1.0	30	77	77	40-140	0.00	20
4-Chlorophenyl-phenylether	ND<20	30	77	73	40-140	4.50	20
Diethylphthalate	ND<20	30	80	80	40-140	0.00	20
3-Nitroaniline	ND<20	30	93	93	30-130	0.00	20
4,6-Dinitro-2-methylphenol	ND<20	30	40	33	30-130	18.00	20
n-Nitrosodiphenylamine	ND<20	30	90	87	40-140	3.70	20
1,2-Diphenylhydrazine	ND<20	30	77	73	40-140	4.50	20
4-Bromophenyl-phenylether	ND<20	30	83	80	40-140	4.00	20
Hexachlorobenzene	ND<0.077	30	83	80	40-140	4.00	20
Pentachlorophenol	ND<1.0	30	73	73	30-130	0.00	20
Phenanthrene	ND<0.077	30	83	80	40-140	4.00	20
Anthracene	ND<1.0	30	80	77	40-140	4.20	20
Carbazole	ND<1.0	30	157 H	150 H	40-140	4.60	20
Di-n-butylphthalate	ND<20	30	83	83	40-140	0.00	20
Pentachloronitrobenzene	ND<20	30	47	57	40-140	19.00	20
Fluoranthene	ND<1.0	30	83	80	40-140	4.00	20
Pyrene	ND<1.0	30	83	80	40-140	4.00	20
Butylbenzylphthalate	ND<20	30	90	90	40-140	0.00	20
3,3-Dichlorobenzidine	ND<75	30	30 L	27 L	40-140	12.00	20
Benzo[a]anthracene	ND<0.06	30	83	87	40-140	4.00	20
Chrysene	ND<1.0	30	87	87	40-140	0.00	20
bis(2-Ethylhexyl)phthalate	ND<2.0	30	90	90	40-140	0.00	20
Di-n-octylphthalate	ND<20	30	90	93	40-140	3.60	20
Benzo[b]fluoranthene	ND<0.08	30	80	80	40-140	0.00	20
Benzo[k]fluoranthene	ND<0.30	30	83	80	40-140	4.00	20
Benzo[a]pyrene	ND<0.20	30	83	83	40-140	0.00	20
Indeno[1,2,3-cd]pyrene	ND<0.20	30	90	93	40-140	3.60	20
Dibenz[a,h]anthracene	ND<0.20	30	87	87	40-140	0.00	20
Benzo[g,h,i]perylene	ND<1.0	30	93	93	40-140	0.00	20

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Ammonia as N	1.8	5.0	88	88	76-100	0.00	20

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030170

QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Lead	ND<0.013	0.200	92	91	75-125	0.55	20
Selenium	ND<0.01	0.40	97	96	75-125	1.00	20
Cadmium	ND<0.005	0.200	96	98	75-125	1.50	20
Chromium	ND<0.05	0.20	92	90	75-125	1.10	20
Arsenic	ND<0.004	0.200	96	95	75-125	1.00	20
Silver	ND<0.012	0.100	65 L	65 L	75-125	1.10	20
Copper	ND<0.04	0.20	90	90	75-125	0.55	20
Nickel	ND<0.05	0.20	96	96	75-125	0.52	20
Zinc	ND<0.02	0.20	102	100	75-125	2.00	20
Beryllium	ND<0.004	0.200	96	99	75-125	2.60	20
Antimony	ND<0.006	0.100	71 L	68 L	75-125	4.60	20
Thallium	ND<0.005	0.200	92	92	75-125	0.00	20
Manganese	0.81	0.20	#	#	75-125	#	20
Iron	0.51	5.0	117	116	75-125	0.86	20
Mercury	ND<0.0004	0.0050	79	80	75-125	1.00	20

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
4,4-DDD	ND<0.05	0.1	110	120	50-150	8.30	30
4,4-DDE	ND<0.05	0.1	110	110	50-150	0.00	30
4,4-DDT	ND<0.05	0.1	110	130	50-150	16.00	30
4,4-Methoxychlor	ND<0.05	0.1	110	120	50-150	8.30	30
Aldrin	ND<0.05	0.1	110	100	50-150	9.90	30
Alpha-BHC	ND<0.10	0.1	99	98	50-150	1.60	30
Beta-BHC	ND<0.05	0.1	100	98	50-150	2.40	30
Delta-BHC	ND<0.05	0.1	94	96	50-150	1.70	30
Dieldrin	ND<0.002	0.1	110	110	50-150	0.00	30
Endosulfan I	ND<0.05	0.1	100	100	50-150	0.00	30
Endosulfan II	ND<0.05	0.1	97	100	50-150	3.30	30
Endosulfan Sulfate	ND<0.05	0.1	120	120	50-150	0.00	30
Endrin	ND<0.05	0.1	97	100	50-150	3.30	30
Endrin Aldehyde	ND<0.05	0.1	110	100	50-150	9.90	30
Endrin Ketone	ND<0.05	0.1	120	120	50-150	0.00	30
Gamma-BHC	ND<0.10	0.1	110	100	50-150	9.90	30
Heptachlor	ND<0.05	0.1	130	100	50-150	26.00	30
Heptachlor Epoxide	ND<0.05	0.1	100	110	50-150	9.90	30

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/20/2013 Sample ID: AF26603 Client ID: UNB-SP2

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
2,4,5-T	ND<0.40	0.8	76	66	50-150	14.00	30
2,4-D	ND<2.0	4.0	88	68	50-150	26.00	30
2,4-DB	ND<4.0	8.0	79	66	50-150	17.00	30
3,5-Dichlorobenzoic acid	ND<0.40	0.8	84	68	50-150	22.00	30
4-Nitrophenol	ND<2.0	4.0	95	82	50-150	14.00	30
Dalapon	ND<4.0	4.0	35 L	24 L	50-150	39.00 H	30
Dicamba	ND<0.40	0.8	74	66	50-150	11.00	30
Dichloroprop	ND<2.0	4.0	94	80	50-150	17.00	30
Dinoseb	ND<0.40	0.8	56	59	50-150	4.50	30
PCP	ND<0.10	0.2	140	120	50-150	15.00	30
Picloram	ND<0.40	0.8	79	99	50-150	23.00	30
Silvex	ND<0.40	0.8	88	74	50-150	17.00	30

ND is not detected

Initial Cal. Report

Compound	Batch#	%RSD	Limits
Initial Calibration VOC			
2-Butanone (MEK)	84762	37 H	20
1,2-Dibromo-3-Chloropropane	84762	21 H	20
1,2,4-Trichlorobenzene	84762	32 H	20
Hexachlorobutadiene	84762	32 H	20
Naphthalene	84762	30 H	20
1,2,3-Trichlorobenzene	84762	24 H	20
All associated samples: AF26601 AF26602 AF26603 AF26604 AF26605 AF26606			
Initial Calibration SVOC			
Aniline	84813	21 H	20
4-Chloroaniline	84813	43 H	20
Hexachlorocyclopentadiene	84813	29 H	20
2,4-Dinitrophenol	84813	28 H	20
3-Nitroaniline	84813	32 H	20
All associated samples: AF26602 AF26603 AF26604 AF26605 AF26606			

Cont. Cal. Report

Compound	Batch#	Result	Limits	Analysis Date
Volatile Organics Cont Cal				
Dichlorodifluoromethane	84762	120 H	35-65	3/13/2013
Chloromethane	84762	100 H	35-65	3/13/2013
Vinyl Chloride	84762	96 H	35-65	3/13/2013
Bromomethane	84762	83 H	35-65	3/13/2013
Chloroethane	84762	72 H	35-65	3/13/2013
All associated samples: AF26601 AF26602 AF26603 AF26604 AF26605 AF26606				

QC Batch Report

Conn. Extractable TPH Batch 84732

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Total Mercury Batch 84739

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Chloride Batch 84746

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Nitrate as N Batch 84748

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Sulfate Batch 84750

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Total Metals Batch 84758

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Total Metals Batch 84759

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Volatile Organics Batch 84762

CET ID	Client Sample ID	Matrix	Collection Date
AF26601	TB031113	Water	3/11/2013
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

EPA 8082 PCBs Batch 84764

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Semi-Volatile Organics Batch 84813

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Ammonia as N Batch 84829

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Biochemical Oxygen Demand, 5 Day Batch 84833

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Dissolved Metals Batch 84862

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

EPA 8081B Chlorinated Pesticides Batch 84869

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

EPA 8151A Chlorinated Herbicides Batch 84879

CET ID	Client Sample ID	Matrix	Collection Date
AF26602	UNB-SP1	Water	3/11/2013
AF26603	UNB-SP2	Water	3/11/2013
AF26604	UNB-SP3	Water	3/11/2013
AF26605	UNB-SP6	Water	3/11/2013
AF26606	UNB-SP5	Water	3/11/2013

Narrative

4. Dichlorodifluoromethane LCS recovery high (238%) for batch 84762.
   Chloromethane LCS recovery high (205%) for batch 84762.
   Vinyl Chloride LCS recovery high (192%) for batch 84762.
   Bromomethane LCS recovery high (166%) for batch 84762.
   Chloroethane LCS recovery high (144%) for batch 84762.
   Benzoic Acid LCS recovery low (27%) for batch 84813.
   4-Chloroaniline LCS recovery high (133%) for batch 84813.
   2,4-Dinitrophenol LCS recovery low (23%) for batch 84813.
   3-Nitroaniline LCS recovery high (133%) for batch 84813.
   Dichlorodifluoromethane matrix spike recovery high (178%) for sample AF26603.
   Dichlorodifluoromethane matrix spike dup recovery high (180%) for sample AF26603.
   Chloromethane matrix spike recovery high (169%) for sample AF26603.
   Chloromethane matrix spike dup recovery high (166%) for sample AF26603.
   Vinyl Chloride matrix spike recovery high (164%) for sample AF26603.
   Vinyl Chloride matrix spike dup recovery high (159%) for sample AF26603.
   Bromomethane matrix spike recovery high (140%) for sample AF26603.
   Bromomethane matrix spike dup recovery high (136%) for sample AF26603.
   Chloroethane matrix spike recovery high (141%) for sample AF26603.
   Chloroethane matrix spike dup recovery high (138%) for sample AF26603.
   2,2-Dichloropropane matrix spike recovery low (54%) for sample AF26603.
   2,2-Dichloropropane matrix spike dup recovery low (54%) for sample AF26603.
   1,2-Dibromo-3-Chloropropane matrix spike recovery low (68%) for sample AF26603.
   Hexachlorobutadiene matrix spike recovery low (55%) for sample AF26603.
   Hexachlorobutadiene matrix spike dup recovery low (62%) for sample AF26603.
   Naphthalene matrix spike RPD high (34.00%) for sample AF26603.
   PCB-1260 matrix spike recovery high (290%) for sample AF26603.
   PCB-1260 matrix spike RPD high (110.00%) for sample AF26603.
   n-Nitroso-dimethylamine matrix spike recovery low (33%) for sample AF26603.
   n-Nitroso-dimethylamine matrix spike dup recovery low (37%) for sample AF26603.
   Phenol matrix spike recovery low (23%) for sample AF26603.
   Phenol matrix spike dup recovery low (23%) for sample AF26603.
   Hexachloroethane matrix spike recovery low (37%) for sample AF26603.
   Benzoic Acid matrix spike recovery low (23%) for sample AF26603.
   Benzoic Acid matrix spike dup recovery low (23%) for sample AF26603.
   Hexachlorocyclopentadiene matrix spike recovery low (33%) for sample AF26603.
   Hexachlorocyclopentadiene matrix spike RPD high (22.00%) for sample AF26603.
   Hexachlorocyclopentadiene matrix spike dup recovery low (27%) for sample AF26603.
   2,4-Dinitrophenol matrix spike RPD high (47.00%) for sample AF26603.
   2,4-Dinitrophenol matrix spike dup recovery low (27%) for sample AF26603.
   Carbazole matrix spike recovery high (157%) for sample AF26603.
   Carbazole matrix spike dup recovery high (150%) for sample AF26603.
   3,3-Dichlorobenzidine matrix spike recovery low (30%) for sample AF26603.
   3,3-Dichlorobenzidine matrix spike dup recovery low (27%) for sample AF26603.
   Dissolved Silver matrix spike recovery low (65%) for sample AF26603.

Dissolved Silver matrix spike dup recovery low (65%) for sample AF26603.
Dissolved Antimony matrix spike recovery low (71%) for sample AF26603.
Dissolved Antimony matrix spike dup recovery low (68%) for sample AF26603.
Dalapon matrix spike recovery low (35%) for sample AF26603.
Dalapon matrix spike RPD high (39.00%) for sample AF26603.
Dalapon matrix spike dup recovery low (24%) for sample AF26603.
2-Butanone (MEK) Initial Cal % RSD high(37%) for batch 84762.
1,2-Dibromo-3-Chloropropane Initial Cal % RSD high(21%) for batch 84762.
1,2,4-Trichlorobenzene Initial Cal % RSD high(32%) for batch 84762.
Hexachlorobutadiene Initial Cal % RSD high(32%) for batch 84762.
Naphthalene Initial Cal % RSD high(30%) for batch 84762.
1,2,3-Trichlorobenzene Initial Cal % RSD high(24%) for batch 84762.
Aniline Initial Cal % RSD high(21%) for batch 84813.
4-Chloroaniline Initial Cal % RSD high(43%) for batch 84813.
Hexachlorocyclopentadiene Initial Cal % RSD high(29%) for batch 84813.
2,4-Dinitrophenol Initial Cal % RSD high(28%) for batch 84813.
3-Nitroaniline Initial Cal % RSD high(32%) for batch 84813.
Dichlorodifluoromethane CC high for batch 84762.
Chloromethane CC high for batch 84762.
Vinyl Chloride CC high for batch 84762.
Bromomethane CC high for batch 84762.
Chloroethane CC high for batch 84762.

6. The client has requested a subset of the RCP Metals list.

COMPLETE ENVIRONMENTAL TESTING, INC.

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Quality Control Definitions and Abbreviations

Internal Std. (IS)	An analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Rec.(Surr Rec)	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period. Samples are of the same matrix.
ND	Not detected.
Dilution	Multiplier applied to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Samp. Res.	Amount of analyte found in a sample.
Spk. Amt. (Amt)	Amount of analyte added to a sample.
Spk. Res.	Amount of analyte found including amount that was spiked.
Spk. Dup. Res.	Amount of analyte found in duplicate spikes including amount that was spiked.
MS%R	% recovery of spiked amount in sample.
MSD%R	% recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between MS and MSD
Blank	Method blank that has been taken through all steps of the analysis.
LCS % Rec.	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Control Limits	A range within which specified measurement results must fall to be compliant.
LCS CL	Control limits for Laboratory Control Sample.
MS CL	Control limits for matrix spike and matrix spike dup.
RPD CL	Control limits for RPD.
Cont. Cal. (CC)	Continuing Calibration

Flags:

H-	Recovery is above control limits
L-	Recovery is below control limits
B-	Compound detected in the Blank
P-	RPD of dual column results exceeds 40%
#-	Sample result too high for accurate spike recovery

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Chris Carlson
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET # 13030171

Report Date: March 22, 2013
Client Project: Scofieldtown Landfill Closure, Stamford
Client Project #: 191277.000000.000000
Client P.O. #: 55015

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

SAMPLE SUMMARY:

This report contains analytical data associated with the following samples only:

CETID	Client Sample ID	Matrix	Collection Date	Collection Time	Receipt Date
AF26607	SW-09	Water	3/11/2013	8:45	03/11/2013
AF26608	SW-08	Water	3/11/2013	9:15	03/11/2013
AF26609	SW-07	Water	3/11/2013	9:50	03/11/2013
AF26610	SW-06	Water	3/11/2013	10:30	03/11/2013
AF26611	SW-10	Water	3/11/2013	10:45	03/11/2013
AF26612	SW-05	Water	3/11/2013	11:45	03/11/2013
AF26613	SW-04	Water	3/11/2013	12:45	03/11/2013
AF26614	SW-03	Water	3/11/2013	14:30	03/11/2013
AF26615	SW-02	Water	3/11/2013	15:00	03/11/2013
AF26616	SW-01	Water	3/11/2013	15:25	03/11/2013

Sample temperature upon receipt was 3.6 degrees C

PREP ANALYSIS:

Acid Digestion of Waters [EPA 3005A]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013

Acid Digestion of Waters [EPA 3005A]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013

Liquid-Liquid Extraction EPH [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/18/2013	3/18/2013

Liquid-Liquid Extraction Herb [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013	3/12/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Ext. PCBs & Pest. [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013	3/12/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Ext Pest. [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013

Liquid-Liquid Extraction SVOCs [EPA 3510C]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013

Lab Filtration for Diss. Metals [0.45u]

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013

ANALYSIS:

Chloride Dup Result [EPA 300.0] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/21/2013
Chloride Dup Result	93

Ammonia as N Dup Result [SM4500-NH3 H] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/18/2013
Ammonia as N Dup Result	0.21

Nitrate as N Dup Res [EPA 300.0] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/12/2013-15:52
Nitrate as N Dup Res	0.83

Sulfate Dup Result [EPA 300.0] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/13/2013
Sulfate Dup Result	15

Mercury Dup Result [EPA 7470A] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/13/2013
Mercury Dup Result	ND < 0.0004

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Alkalinity, Tot(CaCO3)	25	30	98	43	40

Alkalinity, Tot(CaCO3) [SM 2320B] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Alkalinity, Tot(CaCO3)	65	35	90	45	15

Chloride [EPA 300.0] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/21/2013	3/13/2013	3/21/2013	3/21/2013	3/21/2013
Chloride	57	50	94	94	94

Chloride [EPA 300.0] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/21/2013	3/21/2013	3/21/2013	3/21/2013	3/21/2013
Chloride	100	95	440	380	190

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013
Ammonia as N	0.11	0.12	0.21	0.21	0.21

Ammonia as N [SM4500-NH3 H] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/18/2013
Ammonia as N	0.62	0.15	0.12	0.13	0.13

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013-14:46	3/12/2013-15:02	3/12/2013-15:19	3/12/2013-15:35	3/12/2013-16:41
Nitrate as N	1.9	1.9	0.85	0.81	0.83

Nitrate as N [EPA 300.0] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/12/2013-16:58	3/12/2013-17:14	3/12/2013-17:47	3/12/2013-18:04	3/12/2013-18:20
Nitrate as N	0.93	0.80	0.64	0.47	0.28

Sulfate [EPA 300.0] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Sulfate	16	15	15	15	15

Sulfate [EPA 300.0] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Sulfate	13	15	22	22	18

Hardness [2340B] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Hardness	52	52	65	65	65

Hardness [2340B] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Hardness	83	73	91	83	66

Total Mercury [EPA 7470A] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Total Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Total Mercury [EPA 7470A] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Total Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Dissolved Mercury [EPA 200.8] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dissolved Mercury	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004	ND < 0.0004

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23
Biochemical Oxygen Demand, 5 Day	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Biochemical Oxygen Demand, 5 Day [SM5210 B] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23	3/12/2013-16:23
Biochemical Oxygen Demand, 5 Day	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Dissolved Solids	130	140	210	150	210

Total Dissolved Solids [SM2540 C] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Dissolved Solids	240	210	740	710	330

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Suspended Solids	17	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0

Total Suspended Solids [SM2540 D] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Total Suspended Solids	ND < 5.0	ND < 5.0	12	ND < 5.0	ND < 5.0

Total Metals [EPA 200.7] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Manganese	ND < 0.02	ND < 0.02	0.05	0.05	0.052
Sodium	36	29	56	56	56
Potassium	2.6	2.5	3.0	3.0	3.0
Iron	0.14	0.14	1.0	1.0	1.0

Total Metals [EPA 200.7] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/13/2013	3/13/2013	3/13/2013	3/13/2013	3/13/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	0.039	0.061	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Thallium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Manganese	0.14	0.046	0.022	0.081	0.37
Sodium	62	64	270	240	110
Potassium	4.1	4.0	5.8	3.3	2.6
Iron	5.7	0.34	0.74	0.38	0.64

Total Metals by ICAP Dup Result [EPA 200.7] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/13/2013
Dilution	1.0
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.004
Silver	ND < 0.012
Copper	ND < 0.04
Nickel	ND < 0.05
Zinc	ND < 0.02
Beryllium	ND < 0.004
Antimony	ND < 0.05
Thallium	ND < 0.05
Manganese	0.05
Sodium	55
Potassium	3.0
Iron	1.0

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Manganese	0.028	0.021	0.042	0.039	0.037
Iron	ND < 0.10	ND < 0.10	0.54	0.59	0.61

Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Lead	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013	ND < 0.013
Selenium	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Cadmium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Chromium	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Arsenic	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Silver	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012	ND < 0.012
Copper	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04	ND < 0.04
Nickel	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Zinc	ND < 0.02	ND < 0.02	ND < 0.02	0.037	ND < 0.02
Beryllium	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004	ND < 0.004
Antimony	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006	ND < 0.006
Thallium	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005	ND < 0.005
Manganese	0.13	ND < 0.02	ND < 0.02	0.081	0.36
Iron	5.0	ND < 0.10	ND < 0.10	0.45	0.27

Duplicate for Dissolved Metals [EPA 200.8] Units: mg/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/19/2013
Dilution	1.0
Lead	ND < 0.013
Selenium	ND < 0.01
Cadmium	ND < 0.005
Chromium	ND < 0.05
Arsenic	ND < 0.004
Silver	ND < 0.012
Copper	ND < 0.04
Nickel	ND < 0.05
Zinc	ND < 0.02
Beryllium	ND < 0.004
Antimony	ND < 0.006
Thallium	ND < 0.005
Manganese	0.036
Iron	0.74

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1	1	1	1	1
4,4-DDD	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
Alachlor	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Heptachlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80
TCMX (Surr 1)	143	129	88	84	84
DCB (Surr 2)	146	129	58	73	53

EPA 8081B Chlorinated Pesticides [EPA 8081B] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1	1	1	1	1
4,4-DDD	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDE	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-DDT	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
4,4-Methoxychlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alachlor	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Aldrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Alpha-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Beta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Chlordane	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Delta-BHC	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Dieldrin	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002	ND < 0.002
Endosulfan I	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan II	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endosulfan Sulfate	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Aldehyde	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Endrin Ketone	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Gamma-BHC	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Heptachlor	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Heptachlor Epoxide	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05	ND < 0.05
Toxaphene	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80	ND < 0.80
TCMX (Surr 1)	87	97	95	89	95
DCB (Surr 2)	61	53	74	67	79

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/15/2013	3/15/2013	3/15/2013
Dilution	1.0	1.0	1.0	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	84	91	83	75	79
DCB (Surr 2) 50-150	109	109	59	67	50

EPA 8082 PCBs [EPA 8082A] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Dilution	1.0	1.0	1.0	1.0	1.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1268	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1) 50-150	85	83	82	83	86
DCB (Surr 2) 50-150	50	50	54	55	62

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/20/2013	3/20/2013	3/20/2013	3/20/2013	3/20/2013
Dilution	1.0	1.0	1.0	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
DCPAA (Surr)	67	68	64	65	56

EPA 8151A Chlorinated Herbicides [EPA 8151A] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/20/2013	3/20/2013	3/20/2013	3/20/2013	3/20/2013
Dilution	1.0	1.0	1.0	1.0	1.0
2,4,5-T	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
2,4-D	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
2,4-DB	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
3,5-Dichlorobenzoic acid	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
4-Nitrophenol	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dalapon	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
Dicamba	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Dichloroprop	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Dinoseb	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
PCP	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Picloram	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
Silvex	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40	ND < 0.40
DCPAA (Surr)	70	68	65	70	75

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/18/2013	3/18/2013	3/18/2013	3/18/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Aniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
bis(2-chloroisopropyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobutadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
4-Chloro-3-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
n-Nitrosodiphenylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluoranthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Pyrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Butylbenzylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3,3-Dichlorobenzidine	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Benzo[a]anthracene	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Benzo[a]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	29	23	30	29	30
Phenol-d6(Surr) -	19	17	20	20	21
Nitrobenzene-d5(Surr) 30-130	48	51	55	67	68
2-Fluorobiphenyl (Surr) 30-130	52	56	60	67	71
2,4,6-Tribromophenol (Surr) 15-110	74	74	90	98	94
Terphenyl-d14 (Surr) 30-130	60	70	70	71	69

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/19/2013	3/19/2013	3/19/2013	3/19/2013	3/19/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Pyridine	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
n-Nitroso-dimethylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Aniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,3-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,4-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Benzyl Alcohol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Dichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
bis(2-chloroisopropyl)ether	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Hexachloroethane	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0	ND < 3.0
N-Nitroso-di-n-propylamine	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
2-Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3+4 Methyl Phenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Nitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Isophorone	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dimethylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
bis(2-Chloroethoxy)methane	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzoic Acid	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4-Trichlorobenzene	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,6-Dichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2,4,5 Tetrachlorobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobutadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Chloro-3-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Methyl Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorocyclopentadiene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,6-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4,5-Trichlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Chloronaphthalene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthylene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Dimethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,6-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Acenaphthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2,4-Dinitrophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
2,4-Dinitrotoluene	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
4-Nitrophenol	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Dibenzofuran	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0	ND < 4.0
2,3,4,6-Tetrachlorophenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluorene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Diethylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3-Nitroaniline	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4,6-Dinitro-2-methylphenol	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20

Semi-Volatile Organics [EPA 8270D] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
n-Nitrosodiphenylamine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
1,2-Diphenylhydrazine	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
4-Bromophenyl-phenylether	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Hexachlorobenzene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Pentachlorophenol	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Phenanthrene	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077	ND < 0.077
Anthracene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbazole	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Di-n-butylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Pentachloronitrobenzene	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Fluoranthene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Pyrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Butylbenzylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
3,3-Dichlorobenzidine	ND < 75	ND < 75	ND < 75	ND < 75	ND < 75
Benzo[a]anthracene	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06	ND < 0.06
Chrysene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
bis(2-Ethylhexyl)phthalate	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0
Di-n-octylphthalate	ND < 20	ND < 20	ND < 20	ND < 20	ND < 20
Benzo[b]fluoranthene	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08	ND < 0.08
Benzo[k]fluoranthene	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30	ND < 0.30
Benzo[a]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Indeno[1,2,3-cd]pyrene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Dibenz[a,h]anthracene	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20	ND < 0.20
Benzo[g,h,i]perylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Fluorophenol (Surr) 15-110	27	27	29	28	27
Phenol-d6(Surr) -	18	17	20	18	18
Nitrobenzene-d5(Surr) 30-130	59	49	67	56	63
2-Fluorobiphenyl (Surr) 30-130	60	50	70	58	65
2,4,6-Tribromophenol (Surr) 15-110	78	67	100	82	90
Terphenyl-d14 (Surr) 30-130	70	67	92	84	89

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/15/2013	3/15/2013
Dilution	1.0	1.0	1.0	1.0	1.0
ETPH	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Octacosane (surr) 50-150	77	64	71	78	74

Conn. Extractable TPH [CT DEP] Units: mg/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/15/2013	3/15/2013	3/15/2013	3/16/2013	3/16/2013
Dilution	1.0	1.0	1.0	1.0	1.0
ETPH	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10	ND < 0.10
Octacosane (surr) 50-150	76	68	67	63	62

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
CET ID	AF26607	AF26608	AF26609	AF26610	AF26611
Date Analyzed	3/13/2013	3/13/2013	3/14/2013	3/14/2013	3/14/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-09	SW-08	SW-07	SW-06	SW-10
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	103	106	109	112	110
toluene-d8 (SURR) 70-130	99.4	100	94.2	94.7	94.9
4-bromofluorobenzene (SURR) 70-130	113	112	96.5	97.1	95.8

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
CET ID	AF26612	AF26613	AF26614	AF26615	AF26616
Date Analyzed	3/14/2013	3/14/2013	3/14/2013	3/14/2013	3/14/2013
Dilution	1.0	1.0	1.0	1.0	1.0
Dichlorodifluoromethane	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chloromethane	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7	ND < 2.7
Vinyl Chloride	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6	ND < 1.6
Bromomethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Chloroethane	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Acetone	ND < 50	ND < 50	ND < 50	ND < 50	ND < 50
Acrylonitrile	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Trichlorofluoromethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichlorotrifluoroethane	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
1,1-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methylene Chloride	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Carbon Disulfide	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Butanone (MEK)	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
2,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Chloroform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	1.8
Tetrahydrofuran	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Carbon Tetrachloride	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1-Dichloropropene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0

Volatile Organics [EPA 8260C] Units: ug/l

Client ID	SW-05	SW-04	SW-03	SW-02	SW-01
Benzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Methyl Isobutyl Ketone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
Trichloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Dibromomethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromodichloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
2-Hexanone	ND < 25	ND < 25	ND < 25	ND < 25	ND < 25
cis-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Toluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,1,2-Trichloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Tetrachloroethene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichloropropane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Dibromochloromethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
1,2-Dibromoethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
trans-1,4-Dichloro-2-Butene	ND < 10	ND < 10	ND < 10	ND < 10	ND < 10
Chlorobenzene	1.7	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Ethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
m+p Xylenes	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
o-Xylene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Styrene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Bromoform	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Isopropylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
Bromobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Propylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
2-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Chlorotoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
tert-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
sec-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
4-Isopropyltoluene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
n-Butylbenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
Hexachlorobutadiene	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45	ND < 0.45
Naphthalene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	110	110	112	112	109
toluene-d8 (SURR) 70-130	95.4	94.2	95	96	95.4
4-bromofluorobenzene (SURR) 70-130	96.9	95.8	95.5	96.9	97.1

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	SW-06
CET ID	AF26610
Date Analyzed	3/14/2013
Dilution	1.0
Dichlorodifluoromethane	ND < 10
Chloromethane	ND < 2.7
Vinyl Chloride	ND < 1.6
Bromomethane	ND < 5.0
Chloroethane	ND < 5.0
Acetone	ND < 50
Acrylonitrile	ND < 20
Trichlorofluoromethane	ND < 25
Trichlorotrifluoroethane	ND < 25
1,1-Dichloroethene	ND < 1.0
Methylene Chloride	ND < 5.0
Carbon Disulfide	ND < 5.0
Methyl-t-Butyl Ether (MTBE)	ND < 5.0
trans-1,2-Dichloroethene	ND < 1.0
1,1-Dichloroethane	ND < 1.0
2-Butanone (MEK)	ND < 25
2,2-Dichloropropane	ND < 1.0
cis-1,2-Dichloroethene	ND < 1.0
Chloroform	ND < 1.0
Tetrahydrofuran	ND < 5.0
1,1,1-Trichloroethane	ND < 1.0
Carbon Tetrachloride	ND < 1.0
1,1-Dichloropropene	ND < 1.0
Benzene	ND < 1.0
1,2-Dichloroethane	ND < 1.0
Methyl Isobutyl Ketone	ND < 25
Trichloroethene	ND < 1.0
1,2-Dichloropropane	ND < 1.0
Dibromomethane	ND < 1.0
Bromodichloromethane	ND < 0.5
2-Hexanone	ND < 25
cis-1,3-Dichloropropene	ND < 0.5
Toluene	ND < 1.0
trans-1,3-Dichloropropene	ND < 0.5
1,1,2-Trichloroethane	ND < 1.0
Tetrachloroethene	ND < 1.0
1,3-Dichloropropane	ND < 1.0
Dibromochloromethane	ND < 0.5
1,2-Dibromoethane	ND < 0.5
trans-1,4-Dichloro-2-Butene	ND < 10
Chlorobenzene	ND < 1.0
1,1,1,2-Tetrachloroethane	ND < 1.0
Ethylbenzene	ND < 1.0
m+p Xylenes	ND < 1.0
o-Xylene	ND < 1.0
Styrene	ND < 1.0
Bromoform	ND < 1.0
Isopropylbenzene	ND < 1.0
1,1,2,2-Tetrachloroethane	ND < 0.5
Bromobenzene	ND < 1.0

Vol. Org. Dup Result [EPA 8260C] Units: ug/l

Client ID	SW-06
1,2,3-Trichloropropane	ND < 1.0
n-Propylbenzene	ND < 1.0
2-Chlorotoluene	ND < 1.0
4-Chlorotoluene	ND < 1.0
1,3,5-Trimethylbenzene	ND < 1.0
tert-Butylbenzene	ND < 1.0
1,2,4-Trimethylbenzene	ND < 1.0
sec-Butylbenzene	ND < 1.0
1,3-Dichlorobenzene	ND < 1.0
4-Isopropyltoluene	ND < 1.0
1,4-Dichlorobenzene	ND < 1.0
1,2-Dichlorobenzene	ND < 1.0
n-Butylbenzene	ND < 1.0
1,2-Dibromo-3-Chloropropane	ND < 1.0
1,2,4-Trichlorobenzene	ND < 1.0
Hexachlorobutadiene	ND < 0.45
Naphthalene	ND < 1.0
1,2,3-Trichlorobenzene	ND < 1.0
1,2 Dichloroethane-d4 (SURR) 70-130	110
toluene-d8 (SURR) 70-130	95
4-bromofluorobenzene (SURR) 70-130	98

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

1. ND is None Detected at the specified detection limit.
2. All analyses were performed in house unless a Reference Laboratory is listed.
3. Samples will be disposed of 30 days after the report date.
4. Sample Result Flags:
   E - The result is estimated, above the calibration range.
   H - The surrogate recovery is above the control limits.
   L - The surrogate recovery is below the control limits.
   B - The compound was detected in the laboratory blank.
   P - The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
   D - The RPD between the sample and the sample duplicate is high. Sample homogeneity may be a problem.
5. All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

CET
COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

Volatile Soils Only: 13030171

Date and Time in Freezer

Client: [redacted]

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

Sample ID	Date/Time	Matrix (A=Air, S=Soil, W=Water, DW=Drinking W., C=Cassette, Solid, Wipe, Other (Specify))	Same Day	24 Hours	2-3 Days	Standard	8260 CT List	8260 Aromatics	8260 Halogens	SPLP 8260	TCLP 8260	TPH (418.1)	CT ETPH	8270 CT List	8270 PNAs	PCBs	Pesticides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter ***	Total K & Na	Herbicides	Ammonia (as Nitrogen)	TKD Fe & Mn	TDS, TSS, ALKALINITY	Hardness, NO3	Chlorides, Sulfates	BOD		TOTAL # OF CONT.	NOTE #
SW-09	3/11/13 0845	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-08	0915	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-07	0950	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-06	1030	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		33 ①	
SW-10	1045	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-05	1145	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-04	1245	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-03	1430	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-02	1500	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
SW-01	1525	W				X	X						X	X		X	X	X						X	X	X	X	X	X	X	X	X		11	
PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)																																			
CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)																																			
Soil VOCs Only (M=MeOH B= Sodium Bisulfate W=Water F= Empty Vial E=Encore)																																			

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	3/11/13 1725	[signature]
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES:
① MS/MSD volume included.

Client / Reporting Information

Company Name: TRC
Address: 21 Griffin Road North
City: Windsor State: CT Zip: 06095
Report To: Chris Carlson E-mail: ccarlson@trcsolutions.com
Phone #: 860-989-5416 Fax #: 860-298-6399

Project Information

Project Contact: Chris Carlson PO #:
Project: Scofieldtown Landfill Closure Project #: 191277.000000.000000
Location: Stamford, CT Collector(s): C. Carlson

QA/QC: ☐ Std ☐ Site Specific (MS/MSD) * ☐ RCP Pkg *
Data Report: ☒ Email ☒ PDF ☒ Excel ☐ Other
RSR Reporting Limits (check one): ☒ GA ☐ GB ☐ SWP ☐ Other (Specify)

[redacted]

SHEET 1 OF 1

* Additional charge may apply. ** TAT begins when the samples are received at the Lab. TAT for samples received after 3 p.m. will start on the next business day.

REV. 5/9/06

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc.

Client: TRC Environmental Consultants

Project Location: Scofieldtown Landfill Closure, Stamford

Project Number: 191277.000000.000000

Laboratory Sample ID(s): AF26607 – AF26616

Sampling Date(s): 3/11/13

List RCP Methods Used (e.g., 8260, 8270, et cetera):

CET#: 13030171

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	☐Yes ☒No
1A	Were the method specified preservation and holding time requirements met?	☒Yes ☐No
1B	**VPH and EPH Methods only:** Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒Yes ☐No
3	Were samples received at an appropriate temperature (<6°C)?	☒Yes ☐ No ☐N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐Yes ☒No
5	a) Were reporting limits specified or referenced on the chain-of custody? b) Were these reporting limits met?	☒Yes ☐No ☒Yes ☐No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐Yes ☒No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☒Yes ☐No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: _____ **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 3/27/13

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

COMPLETE ENVIRONMENTAL TESTING, INC.

80Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

QA Report

Project: Scofieldtown Landfill Closure, Stamford
CET#: 13030171

Blank/LCS Report

QA Type: Total Mercury Date Analyzed: 3/13/2013 Batch ID: 84739

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.0004	94	90-110

All associated samples: AF26607 AF26608

QA Type: Total Mercury Date Analyzed: 3/13/2013 Batch ID: 84740

Analyte	Blank	LCS%Rec	LCS CL
Total Mercury	ND<0.0004	94	90-110

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Chloride Date Analyzed: 3/21/2013 Batch ID: 84746

Analyte	Blank	LCS%Rec	LCS CL
Chloride	ND<5.0	95	90-110

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Chloride Date Analyzed: 3/21/2013 Batch ID: 84747

Analyte	Blank	LCS%Rec	LCS CL
Chloride	ND<5.0	95	90-110

All associated samples: AF26610

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Batch ID: 84748

Analyte	Blank	LCS%Rec	LCS CL
Nitrate as N	ND<0.10	100	90-110

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Batch ID: 84749

Analyte	Blank	LCS%Rec	LCS CL
Nitrate as N	ND<0.10	100	90-110

All associated samples: AF26610

QA Type: Sulfate Date Analyzed: 3/13/2013 Batch ID: 84750

Analyte	Blank	LCS%Rec	LCS CL
Sulfate	ND<0.10	101	90-110

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Sulfate Date Analyzed: 3/13/2013 Batch ID: 84751

Analyte	Blank	LCS%Rec	LCS CL
Sulfate	ND<0.10	101	90-110

All associated samples: AF26610

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84758

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	92	85-115
Selenium	ND<0.01	94	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	96	85-115
Silver	ND<0.012	93	85-115
Copper	ND<0.04	97	85-115
Nickel	ND<0.05	93	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	94	85-115
Antimony	ND<0.05	98	85-115
Thallium	ND<0.05	96	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	99	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	101	85-115

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84759

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	92	85-115
Selenium	ND<0.01	94	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	96	85-115
Silver	ND<0.012	93	85-115
Copper	ND<0.04	97	85-115
Nickel	ND<0.05	93	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	94	85-115
Antimony	ND<0.05	98	85-115
Thallium	ND<0.05	96	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	99	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	101	85-115

All associated samples: AF26607 AF26608 AF26609 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84760

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	91	85-115
Selenium	ND<0.01	93	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	94	85-115
Silver	ND<0.012	100	85-115
Copper	ND<0.04	96	85-115
Nickel	ND<0.05	92	85-115
Zinc	ND<0.02	98	85-115

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84760

Analyte	Blank	LCS%Rec	LCS CL
Beryllium	ND<0.004	97	85-115
Antimony	ND<0.05	100	85-115
Thallium	ND<0.05	94	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	101	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	102	85-115

All associated samples: AF26610

QA Type: Total Metals Date Analyzed: 3/13/2013 Batch ID: 84761

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.013	91	85-115
Selenium	ND<0.01	93	85-115
Cadmium	ND<0.005	96	85-115
Chromium	ND<0.05	94	85-115
Arsenic	ND<0.004	94	85-115
Silver	ND<0.012	100	85-115
Copper	ND<0.04	96	85-115
Nickel	ND<0.05	92	85-115
Zinc	ND<0.02	98	85-115
Beryllium	ND<0.004	96	85-115
Antimony	ND<0.05	100	85-115
Thallium	ND<0.05	94	85-115
Manganese	ND<0.02	98	85-115
Sodium	ND<1.0	101	85-115
Potassium	ND<1.0	97	85-115
Iron	ND<0.10	102	85-115

All associated samples: AF26610

QA Type: Volatile Organics Date Analyzed: 3/13/2013 Batch ID: 84762

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	238 H	70-130
Chloromethane	ND<2.7	205 H	70-130
Vinyl Chloride	ND<1.6	192 H	70-130
Bromomethane	ND<5.0	166 H	70-130
Chloroethane	ND<5.0	144 H	70-130
Acetone	ND<50	113	70-130
Acrylonitrile	ND<20	102	70-130
Trichlorofluoromethane	ND<25	128	70-130
Trichlorotrifluoroethane	ND<25	96	70-130
1,1-Dichloroethene	ND<1.0	104	70-130
Methylene Chloride	ND<5.0	95	70-130
Carbon Disulfide	ND<5.0	118	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	101	70-130
trans-1,2-Dichloroethene	ND<1.0	106	70-130
1,1-Dichloroethane	ND<1.0	105	70-130
2-Butanone (MEK)	ND<25	80	70-130
2,2-Dichloropropane	ND<1.0	107	70-130
cis-1,2-Dichloroethene	ND<1.0	106	70-130
Chloroform	ND<1.0	101	70-130
Tetrahydrofuran	ND<5.0	101	70-130
1,1,1-Trichloroethane	ND<1.0	101	70-130
Carbon Tetrachloride	ND<1.0	107	70-130
1,1-Dichloropropene	ND<1.0	112	70-130

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Volatile Organics Date Analyzed: 3/13/2013 Batch ID: 84762

Analyte	Blank	LCS%Rec	LCS CL
Benzene	ND<1.0	110	70-130
1,2-Dichloroethane	ND<1.0	101	70-130
Methyl Isobutyl Ketone	ND<25	96	70-130
Trichloroethene	ND<1.0	102	70-130
1,2-Dichloropropane	ND<1.0	106	70-130
Dibromomethane	ND<1.0	103	70-130
Bromodichloromethane	ND<0.5	100	70-130
2-Hexanone	ND<25	95	70-130
cis-1,3-Dichloropropene	ND<0.5	108	70-130
Toluene	ND<1.0	110	70-130
trans-1,3-Dichloropropene	ND<0.5	103	70-130
1,1,2-Trichloroethane	ND<1.0	99	70-130
Tetrachloroethene	ND<1.0	114	70-130
1,3-Dichloropropane	ND<1.0	102	70-130
Dibromochloromethane	ND<0.5	84	70-130
1,2-Dibromoethane	ND<0.5	87	70-130
Chlorobenzene	ND<1.0	88	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	83	70-130
Ethylbenzene	ND<1.0	91	70-130
m+p Xylenes	ND<1.0	90	70-130
o-Xylene	ND<1.0	89	70-130
Styrene	ND<1.0	90	70-130
Bromoform	ND<1.0	80	70-130
Isopropylbenzene	ND<1.0	88	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	85	70-130
Bromobenzene	ND<1.0	92	70-130
1,2,3-Trichloropropane	ND<1.0	83	70-130
n-Propylbenzene	ND<1.0	96	70-130
2-Chlorotoluene	ND<1.0	81	70-130
4-Chlorotoluene	ND<1.0	117	70-130
1,3,5-Trimethylbenzene	ND<1.0	94	70-130
tert-Butylbenzene	ND<1.0	92	70-130
1,2,4-Trimethylbenzene	ND<1.0	96	70-130
sec-Butylbenzene	ND<1.0	95	70-130
1,3-Dichlorobenzene	ND<1.0	93	70-130
4-Isopropyltoluene	ND<1.0	97	70-130
1,4-Dichlorobenzene	ND<1.0	90	70-130
1,2-Dichlorobenzene	ND<1.0	91	70-130
n-Butylbenzene	ND<1.0	101	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	86	70-130
1,2,4-Trichlorobenzene	ND<1.0	111	70-130
Hexachlorobutadiene	ND<0.45	84	70-130
Naphthalene	ND<1.0	121	70-130
1,2,3-Trichlorobenzene	ND<1.0	121	70-130

All associated samples: AF26607 AF26608

QA Type: EPA 8082 PCBs Date Analyzed: 3/13/2013 Batch ID: 84764

Analyte	Blank	LCS%Rec	LCS CL
PCB-1016	ND<0.50	74	40-140
PCB-1260	ND<0.50	79	40-140

All associated samples: AF26607 AF26608 AF26609

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Batch ID: 84787

Analyte	Blank	LCS%Rec	LCS CL
Dichlorodifluoromethane	ND<10	106	70-130
Chloromethane	ND<2.7	88	70-130
Vinyl Chloride	ND<1.6	80	70-130
Bromomethane	ND<5.0	87	70-130
Chloroethane	ND<5.0	85	70-130
Acetone	ND<50	102	70-130
Acrylonitrile	ND<20	100	70-130
Trichlorofluoromethane	ND<25	86	70-130
Trichlorotrifluoroethane	ND<25	102	70-130
1,1-Dichloroethene	ND<1.0	112	70-130
Methylene Chloride	ND<5.0	104	70-130
Carbon Disulfide	ND<5.0	111	70-130
Methyl-t-Butyl Ether (MTBE)	ND<5.0	75	70-130
trans-1,2-Dichloroethene	ND<1.0	100	70-130
1,1-Dichloroethane	ND<1.0	97	70-130
2-Butanone (MEK)	ND<25	94	70-130
2,2-Dichloropropane	ND<1.0	98	70-130
cis-1,2-Dichloroethene	ND<1.0	98	70-130
Chloroform	ND<1.0	96	70-130
Tetrahydrofuran	ND<5.0	85	70-130
1,1,1-Trichloroethane	ND<1.0	96	70-130
Carbon Tetrachloride	ND<1.0	104	70-130
1,1-Dichloropropene	ND<1.0	99	70-130
Benzene	ND<1.0	100	70-130
1,2-Dichloroethane	ND<1.0	96	70-130
Methyl Isobutyl Ketone	ND<25	90	70-130
Trichloroethene	ND<1.0	96	70-130
1,2-Dichloropropane	ND<1.0	99	70-130
Dibromomethane	ND<1.0	112	70-130
Bromodichloromethane	ND<0.5	97	70-130
2-Hexanone	ND<25	91	70-130
cis-1,3-Dichloropropene	ND<0.5	92	70-130
Toluene	ND<1.0	99	70-130
trans-1,3-Dichloropropene	ND<0.5	93	70-130
1,1,2-Trichloroethane	ND<1.0	103	70-130
Tetrachloroethene	ND<1.0	108	70-130
1,3-Dichloropropane	ND<1.0	99	70-130
Dibromochloromethane	ND<0.5	104	70-130
1,2-Dibromoethane	ND<0.5	109	70-130
Chlorobenzene	ND<1.0	96	70-130
1,1,1,2-Tetrachloroethane	ND<1.0	98	70-130
Ethylbenzene	ND<1.0	98	70-130
m+p Xylenes	ND<1.0	96	70-130
o-Xylene	ND<1.0	95	70-130
Styrene	ND<1.0	103	70-130
Bromoform	ND<1.0	110	70-130
Isopropylbenzene	ND<1.0	100	70-130
1,1,2,2-Tetrachloroethane	ND<0.5	115	70-130
Bromobenzene	ND<1.0	96	70-130
1,2,3-Trichloropropane	ND<1.0	106	70-130
n-Propylbenzene	ND<1.0	90	70-130
2-Chlorotoluene	ND<1.0	100	70-130
4-Chlorotoluene	ND<1.0	87	70-130
1,3,5-Trimethylbenzene	ND<1.0	95	70-130

Project: Scofieldtown Landfill Closure, Stamford
Cet#: 13030171

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Batch ID: 84787

Analyte	Blank	LCS%Rec	LCS CL
tert-Butylbenzene	ND<1.0	95	70-130
1,2,4-Trimethylbenzene	ND<1.0	94	70-130
sec-Butylbenzene	ND<1.0	93	70-130
1,3-Dichlorobenzene	ND<1.0	104	70-130
4-Isopropyltoluene	ND<1.0	97	70-130
1,4-Dichlorobenzene	ND<1.0	103	70-130
1,2-Dichlorobenzene	ND<1.0	103	70-130
n-Butylbenzene	ND<1.0	88	70-130
1,2-Dibromo-3-Chloropropane	ND<1.0	111	70-130
1,2,4-Trichlorobenzene	ND<1.0	68 L	70-130
Hexachlorobutadiene	ND<0.45	94	70-130
Naphthalene	ND<1.0	81	70-130
1,2,3-Trichlorobenzene	ND<1.0	92	70-130

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Conn. Extractable TPH Date Analyzed: 3/15/2013 Batch ID: 84804

Analyte	Blank	LCS%Rec	LCS CL
ETPH	ND<0.10	81	60-120

All associated samples: AF26607 AF26608 AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84813

Analyte	Blank	LCS%Rec	LCS CL
Pyridine	ND<4.0	33	30-130
n-Nitroso-dimethylamine	ND<20	40	40-140
bis(2-Chloroethyl)ether	ND<10	63	40-140
Phenol	ND<20	30	30-130
Aniline	ND<20	77	30-130
2-Chlorophenol	ND<20	60	30-130
1,3-Dichlorobenzene	ND<5.0	63	40-140
1,4-Dichlorobenzene	ND<5.0	63	40-140
Benzyl Alcohol	ND<20	57	30-130
1,2-Dichlorobenzene	ND<5.0	63	40-140
bis(2-chloroisopropyl)ether	ND<10	60	40-140
Hexachloroethane	ND<3.0	53	40-140
N-Nitroso-di-n-propylamine	ND<10	77	40-140
2-Methyl Phenol	ND<20	53	30-130
3+4 Methyl Phenol	ND<20	47	30-130
Nitrobenzene	ND<20	67	40-140
Isophorone	ND<20	80	40-140
2-Nitrophenol	ND<20	67	30-130
2,4-Dimethylphenol	ND<20	40	30-130
bis(2-Chloroethoxy)methane	ND<20	73	40-140
Benzoic Acid	ND<20	27 L	40-140
2,4-Dichlorophenol	ND<20	73	30-130
1,2,4-Trichlorobenzene	ND<5.0	70	40-140
Naphthalene	ND<1.0	70	40-140
2,6-Dichlorophenol	ND<20	70	30-130
4-Chloroaniline	ND<20	133 H	30-130
1,2,4,5 Tetrachlorobenzene	ND<20	77	40-140
Hexachlorobutadiene	ND<20	67	40-140
4-Chloro-3-methylphenol	ND<20	77	30-130
2-Methyl Naphthalene	ND<1.0	77	40-140
Hexachlorocyclopentadiene	ND<20	40	40-140
2,4,6-Trichlorophenol	ND<20	83	30-130

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QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84813

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-Trichlorophenol	ND<20	83	30-130
2-Chloronaphthalene	ND<20	77	40-140
2-Nitroaniline	ND<20	83	30-130
Acenaphthylene	ND<0.30	77	40-140
Dimethylphthalate	ND<20	90	40-140
2,6-Dinitrotoluene	ND<75	87	40-140
4-Nitroaniline	ND<20	80	30-130
Acenaphthene	ND<1.0	80	40-140
2,4-Dinitrophenol	ND<20	23 L	30-130
2,4-Dinitrotoluene	ND<75	87	40-140
4-Nitrophenol	ND<75	33	30-130
Dibenzofuran	ND<1.0	83	40-140
2,3,4,6-Tetrachlorophenol	ND<20	90	30-130
Fluorene	ND<1.0	87	40-140
4-Chlorophenyl-phenylether	ND<20	83	40-140
Diethylphthalate	ND<20	90	40-140
3-Nitroaniline	ND<20	133 H	30-130
4,6-Dinitro-2-methylphenol	ND<20	40	30-130
n-Nitrosodiphenylamine	ND<20	100	40-140
1,2-Diphenylhydrazine	ND<20	83	40-140
4-Bromophenyl-phenylether	ND<20	90	40-140
Hexachlorobenzene	ND<0.077	90	40-140
Pentachlorophenol	ND<1.0	70	30-130
Phenanthrene	ND<0.077	87	40-140
Anthracene	ND<1.0	87	40-140
Carbazole	ND<1.0	107	40-140
Di-n-butylphthalate	ND<20	93	40-140
Pentachloronitrobenzene	ND<20	97	40-140
Fluoranthene	ND<1.0	90	40-140
Pyrene	ND<1.0	90	40-140
Butylbenzylphthalate	ND<20	97	40-140
3,3-Dichlorobenzidine	ND<75	73	40-140
Benzo[a]anthracene	ND<0.06	97	40-140
Chrysene	ND<1.0	93	40-140
bis(2-Ethylhexyl)phthalate	ND<2.0	97	40-140
Di-n-octylphthalate	ND<20	100	30-130
Benzo[b]fluoranthene	ND<0.08	93	40-140
Benzo[k]fluoranthene	ND<0.30	93	40-140
Benzo[a]pyrene	ND<0.20	93	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	97	40-140
Dibenz[a,h]anthracene	ND<0.20	90	40-140
Benzo[g,h,i]perylene	ND<1.0	97	40-140

All associated samples: AF26607 AF26608 AF26609

QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84814

Analyte	Blank	LCS%Rec	LCS CL
Pyridine	ND<4.0	33	30-130
n-Nitroso-dimethylamine	ND<20	40	40-140
bis(2-Chloroethyl)ether	ND<10	63	40-140
Phenol	ND<20	30	30-130
Aniline	ND<20	77	30-130
2-Chlorophenol	ND<20	60	30-130
1,3-Dichlorobenzene	ND<5.0	63	40-140
1,4-Dichlorobenzene	ND<5.0	63	40-140

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QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84814

Analyte	Blank	LCS%Rec	LCS CL
Benzyl Alcohol	ND<20	57	30-130
1,2-Dichlorobenzene	ND<5.0	63	40-140
bis(2-chloroisopropyl)ether	ND<10	60	40-140
Hexachloroethane	ND<3.0	53	40-140
N-Nitroso-di-n-propylamine	ND<10	77	40-140
2-Methyl Phenol	ND<20	53	30-130
3+4 Methyl Phenol	ND<20	47	30-130
Nitrobenzene	ND<20	67	40-140
Isophorone	ND<20	80	40-140
2-Nitrophenol	ND<20	67	30-130
2,4-Dimethylphenol	ND<20	40	30-130
bis(2-Chloroethoxy)methane	ND<20	73	40-140
Benzoic Acid	ND<20	27 L	40-140
2,4-Dichlorophenol	ND<20	73	30-130
1,2,4-Trichlorobenzene	ND<5.0	70	40-140
Naphthalene	ND<1.0	70	40-140
2,6-Dichlorophenol	ND<20	70	30-130
4-Chloroaniline	ND<20	130	30-130
1,2,4,5 Tetrachlorobenzene	ND<20	77	40-140
Hexachlorobutadiene	ND<20	67	40-140
4-Chloro-3-methylphenol	ND<20	77	30-130
2-Methyl Naphthalene	ND<1.0	77	40-140
Hexachlorocyclopentadiene	ND<20	40	40-140
2,4,6-Trichlorophenol	ND<20	83	30-130
2,4,5-Trichlorophenol	ND<20	83	30-130
2-Chloronaphthalene	ND<20	77	40-140
2-Nitroaniline	ND<20	83	30-130
Acenaphthylene	ND<0.30	77	40-140
Dimethylphthalate	ND<20	90	40-140
2,6-Dinitrotoluene	ND<75	87	40-140
4-Nitroaniline	ND<20	80	30-130
Acenaphthene	ND<1.0	80	40-140
2,4-Dinitrophenol	ND<20	27 L	30-130
2,4-Dinitrotoluene	ND<75	87	40-140
4-Nitrophenol	ND<75	33	30-130
Dibenzofuran	ND<1.0	83	40-140
2,3,4,6-Tetrachlorophenol	ND<20	90	30-130
Fluorene	ND<1.0	87	40-140
4-Chlorophenyl-phenylether	ND<20	83	40-140
Diethylphthalate	ND<20	90	40-140
3-Nitroaniline	ND<20	120	30-130
4,6-Dinitro-2-methylphenol	ND<20	40	30-130
n-Nitrosodiphenylamine	ND<20	100	40-140
1,2-Diphenylhydrazine	ND<20	83	40-140
4-Bromophenyl-phenylether	ND<20	90	40-140
Hexachlorobenzene	ND<0.077	90	40-140
Pentachlorophenol	ND<1.0	70	30-130
Phenanthrene	ND<0.077	87	40-140
Anthracene	ND<1.0	87	40-140
Carbazole	ND<1.0	107	40-140
Di-n-butylphthalate	ND<20	93	40-140
Pentachloronitrobenzene	ND<20	97	40-140
Fluoranthene	ND<1.0	90	40-140
Pyrene	ND<1.0	90	40-140

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QA Type: Semi-Volatile Organics Date Analyzed: 3/19/2013 Batch ID: 84814

Analyte	Blank	LCS%Rec	LCS CL
Butylbenzylphthalate	ND<20	97	40-140
3,3-Dichlorobenzidine	ND<75	73	40-140
Benzo[a]anthracene	ND<0.06	97	40-140
Chrysene	ND<1.0	93	40-140
bis(2-Ethylhexyl)phthalate	ND<2.0	97	40-140
Di-n-octylphthalate	ND<20	100	30-130
Benzo[b]fluoranthene	ND<0.08	93	40-140
Benzo[k]fluoranthene	ND<0.30	93	40-140
Benzo[a]pyrene	ND<0.20	93	40-140
Indeno[1,2,3-cd]pyrene	ND<0.20	97	40-140
Dibenz[a,h]anthracene	ND<0.20	90	40-140
Benzo[g,h,i]perylene	ND<1.0	97	40-140

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: EPA 8082 PCBs Date Analyzed: 3/15/2013 Batch ID: 84821

Analyte	Blank	LCS%Rec	LCS CL
PCB-1016	ND<0.50	82	40-140
PCB-1260	ND<0.50	85	40-140

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Batch ID: 84829

Analyte	Blank	LCS%Rec	LCS CL
Ammonia as N	ND<0.10	86	67-111

All associated samples: AF26607 AF26608 AF26609

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Batch ID: 84830

Analyte	Blank	LCS%Rec	LCS CL
Ammonia as N	ND<0.10	86	67-111

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Biochemical Oxygen Demand, 5 Day Date Analyzed: 3/12/2013 Batch ID: 84833

Analyte	Blank	LCS%Rec	LCS CL
Biochemical Oxygen Demand, 5 Day	ND<1	105	62-111

All associated samples: AF26607 AF26608 AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Batch ID: 84862

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	96	80-120
Selenium	ND<0.002	102	80-120
Cadmium	ND<0.001	100	80-120
Chromium	ND<0.001	98	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	96	80-120
Copper	ND<0.001	96	80-120
Nickel	ND<0.001	97	80-120
Zinc	ND<0.002	97	80-120
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	99	80-120
Thallium	ND<0.001	94	80-120
Manganese	ND<0.001	96	80-120
Iron	ND<0.01	105	80-120
Mercury	ND<0.0002	101	80-120

All associated samples: AF26607 AF26608 AF26609

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QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Batch ID: 84863

Analyte	Blank	LCS%Rec	LCS CL
Lead	ND<0.001	96	80-120
Selenium	ND<0.002	102	80-120
Cadmium	ND<0.001	100	80-120
Chromium	ND<0.001	98	80-120
Arsenic	ND<0.001	98	80-120
Silver	ND<0.001	96	80-120
Copper	ND<0.001	96	80-120
Nickel	ND<0.001	97	80-120
Zinc	ND<0.002	97	80-120
Beryllium	ND<0.001	100	80-120
Antimony	ND<0.001	99	80-120
Thallium	ND<0.001	94	80-120
Manganese	ND<0.001	96	80-120
Iron	ND<0.01	105	80-120
Mercury	ND<0.0002	101	80-120

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Batch ID: 84869

Analyte	Blank	LCS%Rec	LCS CL
4,4-DDD	ND<0.10	115	40-140
4,4-DDE	ND<0.10	111	40-140
4,4-DDT	ND<0.10	122	40-140
4,4-Methoxychlor	ND<0.10	114	40-140
Aldrin	ND<0.10	111	40-140
Alpha-BHC	ND<0.10	111	40-140
Beta-BHC	ND<0.10	127	40-140
Delta-BHC	ND<0.10	125	40-140
Dieldrin	ND<0.002	118	40-140
Endosulfan I	ND<0.10	108	40-140
Endosulfan II	ND<0.10	106	40-140
Endosulfan Sulfate	ND<0.10	121	40-140
Endrin	ND<0.10	100	40-140
Endrin Aldehyde	ND<0.10	130	40-140
Endrin Ketone	ND<0.10	127	40-140
Gamma-BHC	ND<0.10	114	40-140
Heptachlor	ND<0.10	110	40-140
Heptachlor Epoxide	ND<0.10	113	40-140

All associated samples: AF26607 AF26608

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Batch ID: 84870

Analyte	Blank	LCS%Rec	LCS CL
4,4-DDD	ND<0.10	120	40-140
4,4-DDE	ND<0.10	111	40-140
4,4-DDT	ND<0.10	103	40-140
4,4-Methoxychlor	ND<0.10	104	40-140
Alachlor	ND<0.10	107	40-140
Aldrin	ND<0.10	104	40-140
Alpha-BHC	ND<0.10	110	40-140
Beta-BHC	ND<0.10	121	40-140
Delta-BHC	ND<0.10	123	40-140
Dieldrin	ND<0.002	117	40-140
Endosulfan I	ND<0.10	108	40-140
Endosulfan II	ND<0.10	105	40-140
Endosulfan Sulfate	ND<0.10	120	40-140

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QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Batch ID: 84870

Analyte	Blank	LCS%Rec	LCS CL
Endrin	ND<0.10	97	40-140
Endrin Aldehyde	ND<0.10	159 H	40-140
Endrin Ketone	ND<0.10	125	40-140
Gamma-BHC	ND<0.10	110	40-140
Heptachlor	ND<0.10	104	40-140
Heptachlor Epoxide	ND<0.10	111	40-140

All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/20/2013 Batch ID: 84879

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-T	ND<0.40	118	40-140
2,4-D	ND<2.0	122	40-140
2,4-DB	ND<4.0	119	40-140
3,5-Dichlorobenzoic acid	ND<0.40	106	40-140
4-Nitrophenol	ND<2.0	112	40-140
Dalapon	ND<4.0	50	40-140
Dicamba	ND<0.40	138	40-140
Dichloroprop	ND<2.0	122	40-140
Dinoseb	ND<0.40	111	40-140
PCP	ND<0.10	130	40-140
Picloram	ND<0.40	70	40-140
Silvex	ND<0.40	125	40-140

All associated samples: AF26607 AF26608 AF26609

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/22/2013 Batch ID: 84880

Analyte	Blank	LCS%Rec	LCS CL
2,4,5-T	ND<0.40	120	40-140
2,4-D	ND<2.0	118	40-140
2,4-DB	ND<4.0	121	40-140
3,5-Dichlorobenzoic acid	ND<0.40	111	40-140
4-Nitrophenol	ND<2.0	102	40-140
Dalapon	ND<4.0	45	40-140
Dicamba	ND<0.40	122	40-140
Dichloroprop	ND<2.0	122	40-140
Dinoseb	ND<0.40	90	40-140
PCP	ND<0.10	130	40-140
Picloram	ND<0.40	72	40-140
Silvex	ND<0.40	125	40-140

All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616

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Matrix Spike Report

QA Type: Total Mercury Date Analyzed: 3/13/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Total Mercury	ND<0.0004	0.010	90	100	75-125	11.00	20

QA Type: Chloride Date Analyzed: 3/21/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Chloride	94	50.0	90	96	80-123	6.50	20

QA Type: Nitrate as N Date Analyzed: 3/12/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Nitrate as N	0.81	5.0	101	99	89-118	2.40	20

QA Type: Sulfate Date Analyzed: 3/13/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Sulfate	15	5.0	#	#	82-123	#	20

QA Type: Total Metals Date Analyzed: 3/13/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Lead	ND<0.013	0.200	93	92	75-125	1.60	20
Selenium	ND<0.01	0.400	94	94	75-125	0.53	20
Cadmium	ND<0.005	0.200	96	93	75-125	2.70	20
Chromium	ND<0.05	0.200	94	94	75-125	0.53	20
Arsenic	ND<0.004	0.200	96	96	75-125	0.52	20
Silver	ND<0.012	0.100	100	100	75-125	0.00	20
Copper	ND<0.04	0.200	97	99	75-125	2.00	20
Nickel	ND<0.05	0.200	94	92	75-125	2.10	20
Zinc	ND<0.02	0.200	100	101	75-125	1.00	20
Beryllium	ND<0.004	0.200	96	95	75-125	1.60	20
Antimony	ND<0.05	0.100	100	100	75-125	0.50	20
Thallium	ND<0.05	0.200	96	92	75-125	3.20	20
Manganese	0.05	0.200	97	96	75-125	0.52	20
Sodium	56	5.00	#	#	75-125	#	20
Potassium	3.0	5.00	96	101	75-125	4.90	20
Iron	1.0	5.00	101	98	75-125	3.00	20

QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Dichlorodifluoromethane	ND<10	50	82	92	70-130	11.00	30
Chloromethane	ND<2.7	50.0	78	82	70-130	4.20	30
Vinyl Chloride	ND<1.6	50.0	68 L	76	70-130	12.00	30
Bromomethane	ND<5.0	50.0	75	87	70-130	14.00	30
Chloroethane	ND<5.0	50.0	74	84	70-130	13.00	30
Acetone	ND<50	100	85	89	70-130	4.60	30
Acrylonitrile	ND<0.50	50	104	102	70-130	1.90	30
Trichlorofluoromethane	ND<25	50	78	86	70-130	9.80	30
Trichlorotrifluoroethane	ND<25	50	98	102	70-130	4.00	30

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QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
1,1-Dichloroethene	ND<1.0	50.0	108	108	70-130	0.00	30
Methylene Chloride	ND<5.0	50.0	93	94	70-130	1.10	30
Carbon Disulfide	ND<5.0	50.0	104	104	70-130	0.00	30
Methyl-t-Butyl Ether (MTBE)	ND<5.0	50.0	75	75	70-130	0.27	30
trans-1,2-Dichloroethene	ND<1.0	50.0	97	99	70-130	2.30	30
1,1-Dichloroethane	ND<1.0	50.0	91	94	70-130	2.40	30
2-Butanone (MEK)	ND<25	100	78	80	70-130	2.50	30
2,2-Dichloropropane	ND<1.0	50.0	104	100	70-130	3.90	30
cis-1,2-Dichloroethene	ND<1.0	50.0	95	95	70-130	0.21	30
Chloroform	ND<1.0	50.0	95	95	70-130	0.21	30
Tetrahydrofuran	ND<5.0	50.0	87	88	70-130	1.40	30
1,1,1-Trichloroethane	ND<1.0	50.0	94	95	70-130	1.30	30
Carbon Tetrachloride	ND<1.0	50.0	103	102	70-130	0.98	30
1,1-Dichloropropene	ND<1.0	50.0	98	99	70-130	1.00	30
Benzene	ND<1.0	50.0	101	102	70-130	0.99	30
1,2-Dichloroethane	ND<1.0	50.0	96	97	70-130	0.41	30
Methyl Isobutyl Ketone	ND<25	100	93	95	70-130	2.10	30
Trichloroethene	ND<1.0	50.0	93	93	70-130	0.43	30
1,2-Dichloropropane	ND<1.0	50.0	100	100	70-130	0.20	30
Dibromomethane	ND<1.0	50.0	114	114	70-130	0.00	30
Bromodichloromethane	ND<0.50	50.0	98	99	70-130	0.61	30
2-Hexanone	ND<25	100	87	89	70-130	2.30	30
cis-1,3-Dichloropropene	ND<0.50	50.0	94	93	70-130	0.86	30
Toluene	ND<1.0	50.0	101	101	70-130	0.00	30
trans-1,3-Dichloropropene	ND<0.50	50.0	94	94	70-130	0.21	30
1,1,2-Trichloroethane	ND<1.0	50.0	106	105	70-130	0.95	30
Tetrachloroethene	ND<1.0	50.0	107	106	70-130	0.94	30
1,3-Dichloropropane	ND<0.50	50.0	102	102	70-130	0.00	30
Dibromochloromethane	ND<0.50	50.0	104	103	70-130	0.97	30
1,2-Dibromoethane	ND<0.50	50.0	110	108	70-130	1.80	30
Chlorobenzene	ND<1.0	50.0	97	96	70-130	0.83	30
1,1,1,2-Tetrachloroethane	ND<1.0	50.0	98	96	70-130	1.40	30
Ethylbenzene	ND<1.0	50.0	99	98	70-130	1.00	30
m+p Xylenes	ND<1.0	100.0	98	97	70-130	1.10	30
o-Xylene	ND<1.0	50.0	96	95	70-130	0.84	30
Styrene	ND<1.0	50.0	104	103	70-130	0.97	30
Bromoform	ND<1.0	50.0	109	109	70-130	0.00	30
Isopropylbenzene	ND<1.0	50.0	101	101	70-130	0.00	30
1,1,2,2-Tetrachloroethane	ND<0.50	50.0	120	122	70-130	1.70	30
Bromobenzene	ND<1.0	50.0	94	92	70-130	2.20	30
1,2,3-Trichloropropane	ND<1.0	50.0	105	104	70-130	0.96	30
n-Propylbenzene	ND<1.0	50.0	88	86	70-130	2.50	30
2-Chlorotoluene	ND<1.0	50.0	100	99	70-130	1.20	30
4-Chlorotoluene	ND<1.0	50.0	84	98	70-130	15.00	30
1,3,5-Trimethylbenzene	ND<1.0	50.0	93	92	70-130	1.70	30
tert-Butylbenzene	ND<1.0	50.0	94	93	70-130	1.90	30
1,2,4-Trimethylbenzene	ND<1.0	50.0	93	92	70-130	1.10	30
sec-Butylbenzene	ND<1.0	50.0	92	91	70-130	1.10	30
1,3-Dichlorobenzene	ND<1.0	50.0	103	103	70-130	0.00	30
4-Isopropyltoluene	ND<1.0	50.0	96	95	70-130	0.63	30
1,4-Dichlorobenzene	ND<1.0	50.0	101	101	70-130	0.00	30

Project: Scofieldtown Landfill Closure, Stamford
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QA Type: Volatile Organics Date Analyzed: 3/14/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
1,2-Dichlorobenzene	ND<1.0	50.0	101	103	70-130	2.00	30
n-Butylbenzene	ND<1.0	50.0	88	89	70-130	1.10	30
1,2-Dibromo-3-Chloropropane	ND<1.0	50.0	81	109	70-130	29.00	30
1,2,4-Trichlorobenzene	ND<1.0	50.0	53 L	74	70-130	34.00 H	30
Hexachlorobutadiene	ND<0.45	50.00	91	99	70-130	8.80	30
Naphthalene	ND<1.0	50.0	32 L	84	70-130	88.00 H	30
1,2,3-Trichlorobenzene	ND<1.0	50.0	50 L	97	70-130	63.00 H	30

QA Type: Conn. Extractable TPH Date Analyzed: 3/15/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
ETPH	ND<0.10	5	77	77	50-150	0.52	30

QA Type: Semi-Volatile Organics Date Analyzed: 3/18/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Pyridine	ND<4.0	30	37	30	30-130	20.00	20
n-Nitroso-dimethylamine	ND<20	30	43	37 L	40-140	16.00	20
bis(2-Chloroethyl)ether	ND<10	30	67	60	40-140	11.00	20
Phenol	ND<20	30	30	23 L	30-130	25.00 H	20
Aniline	ND<20	30	83	67	30-130	22.00 H	20
2-Chlorophenol	ND<20	30	63	53	30-130	17.00	20
1,3-Dichlorobenzene	ND<5.0	30	70	63	40-140	10.00	20
1,4-Dichlorobenzene	ND<5.0	30	70	67	40-140	4.80	20
Benzyl Alcohol	ND<20	30	57	47	30-130	19.00	20
1,2-Dichlorobenzene	ND<5.0	30	70	63	40-140	10.00	20
bis(2-chloroisopropyl)ether	ND<10	30	60	57	40-140	5.70	20
Hexachloroethane	ND<3.0	30	50	47	40-140	6.80	20
N-Nitroso-di-n-propylamine	ND<10	30	77	70	40-140	9.10	20
2-Methyl Phenol	ND<20	30	53	40	30-130	29.00 H	20
3+4 Methyl Phenol	ND<20	30	50	37	30-130	31.00 H	20
Nitrobenzene	ND<20	30	67	63	40-140	5.20	20
Isophorone	ND<20	30	77	70	40-140	9.10	20
2-Nitrophenol	ND<20	30	70	63	30-130	10.00	20
2,4-Dimethylphenol	ND<20	30	60	50	30-130	18.00	20
bis(2-Chloroethoxy)methane	ND<20	30	73	67	40-140	9.40	20
Benzoic Acid	ND<20	30	20 L	20 L	40-140	0.00	20
2,4-Dichlorophenol	ND<20	30	73	63	30-130	15.00	20
1,2,4-Trichlorobenzene	ND<5.0	30	73	67	40-140	9.40	20
Naphthalene	ND<1.0	30	70	67	40-140	4.80	20
2,6-Dichlorophenol	ND<20	30	73	63	30-130	15.00	20
4-Chloroaniline	ND<20	30	127	117	30-130	8.20	20
1,2,4,5 Tetrachlorobenzene	ND<20	30	77	73	40-140	4.50	20
Hexachlorobutadiene	ND<20	30	70	67	40-140	4.80	20
4-Chloro-3-methylphenol	ND<20	30	73	60	30-130	20.00	20
2-Methyl Naphthalene	ND<1.0	30	77	73	40-140	4.50	20
Hexachlorocyclopentadiene	ND<20	30	40	37 L	40-140	8.60	20
2,4,6-Trichlorophenol	ND<20	30	80	73	30-130	8.70	20
2,4,5-Trichlorophenol	ND<20	30	83	73	30-130	13.00	20
2-Chloronaphthalene	ND<20	30	80	70	40-140	13.00	20
2-Nitroaniline	ND<20	30	83	77	30-130	8.20	20
Acenaphthylene	ND<0.30	30	73	70	40-140	4.60	20
Dimethylphthalate	ND<20	30	83	77	40-140	8.20	20
2,6-Dinitrotoluene	ND<75	30	83	77	40-140	8.20	20

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QA Type: Semi-Volatile Organics Date Analyzed: 3/18/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
4-Nitroaniline	ND<20	30	93	70	30-130	29.00 H	20
Acenaphthene	ND<1.0	30	77	70	40-140	9.10	20
2,4-Dinitrophenol	ND<20	30	30	27 L	30-130	12.00	20
2,4-Dinitrotoluene	ND<75	30	83	77	40-140	8.20	20
4-Nitrophenol	ND<75	30	37	27 L	30-130	32.00 H	20
Dibenzofuran	ND<4.0	30	80	73	40-140	8.70	20
2,3,4,6-Tetrachlorophenol	ND<20	30	87	80	30-130	8.00	20
Fluorene	ND<1.0	30	80	73	40-140	8.70	20
4-Chlorophenyl-phenylether	ND<20	30	80	73	40-140	8.70	20
Diethylphthalate	ND<20	30	83	80	40-140	4.00	20
3-Nitroaniline	ND<20	30	117	107	30-130	8.90	20
4,6-Dinitro-2-methylphenol	ND<20	30	40	37	30-130	8.60	20
n-Nitrosodiphenylamine	ND<20	30	90	87	40-140	3.70	20
1,2-Diphenylhydrazine	ND<20	30	73	70	40-140	4.60	20
4-Bromophenyl-phenylether	ND<20	30	83	77	40-140	8.20	20
Hexachlorobenzene	ND<0.077	30	83	77	40-140	8.20	20
Pentachlorophenol	ND<1.0	30	70	63	30-130	10.00	20
Phenanthrene	ND<0.077	30	83	77	40-140	8.20	20
Anthracene	ND<1.0	30	80	77	40-140	4.20	20
Carbazole	ND<1.0	30	130	117	40-140	11.00	20
Di-n-butylphthalate	ND<20	30	83	77	40-140	8.20	20
Pentachloronitrobenzene	ND<20	30	83	87	40-140	4.00	20
Fluoranthene	ND<1.0	30	83	80	40-140	4.00	20
Pyrene	ND<1.0	30	83	80	40-140	4.00	20
Butylbenzylphthalate	ND<20	30	87	83	40-140	4.00	20
3,3-Dichlorobenzidine	ND<75	30	70	60	40-140	15.00	20
Benzo[a]anthracene	ND<0.06	30	87	83	40-140	4.00	20
Chrysene	ND<1.0	30	83	83	40-140	0.00	20
bis(2-Ethylhexyl)phthalate	ND<2.0	30	87	83	40-140	4.00	20
Di-n-octylphthalate	ND<20	30	87	87	40-140	0.00	20
Benzo[b]fluoranthene	ND<0.08	30	83	80	40-140	4.00	20
Benzo[k]fluoranthene	ND<0.30	30	80	80	40-140	0.00	20
Benzo[a]pyrene	ND<0.20	30	87	83	40-140	4.00	20
Indeno[1,2,3-cd]pyrene	ND<0.20	30	90	87	40-140	3.70	20
Dibenz[a,h]anthracene	ND<0.20	30	87	80	40-140	8.00	20
Benzo[g,h,i]perylene	ND<1.0	30	93	87	40-140	7.30	20

QA Type: EPA 8082 PCBs Date Analyzed: 3/15/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
PCB-1016	ND<0.50	1.0	81	82	40-140	1.20	50
PCB-1260	ND<0.50	1.0	81	82	40-140	1.20	50

QA Type: Ammonia as N Date Analyzed: 3/18/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Ammonia as N	0.21	5.0	91	93	76-100	2.00	20

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QA Type: Dissolved Metals Date Analyzed: 3/19/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
Lead	ND<0.013	0.200	91	92	75-125	0.55	20
Selenium	ND<0.01	0.40	103	104	75-125	0.97	20
Cadmium	ND<0.005	0.200	96	98	75-125	1.50	20
Chromium	ND<0.05	0.20	91	92	75-125	1.60	20
Arsenic	ND<0.004	0.200	99	98	75-125	1.50	20
Silver	ND<0.012	0.100	71 L	71 L	75-125	0.28	20
Copper	ND<0.04	0.20	91	91	75-125	0.00	20
Nickel	ND<0.05	0.20	92	92	75-125	0.54	20
Zinc	ND<0.02	0.20	100	100	75-125	0.50	20
Beryllium	ND<0.004	0.200	96	100	75-125	3.60	20
Antimony	ND<0.006	0.100	74 L	74 L	75-125	0.94	20
Thallium	ND<0.005	0.200	91	92	75-125	0.55	20
Manganese	0.039	0.20	90	90	75-125	1.10	20
Iron	0.59	5.0	97	96	75-125	0.21	20
Mercury	ND<0.0004	0.0050	98	99	75-125	0.41	20

QA Type: EPA 8081B Chlorinated Pesticides Date Analyzed: 3/19/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
4,4-DDD	ND<0.05	0.08	106	96	50-150	9.70	30
4,4-DDE	ND<0.05	0.08	91	92	50-150	1.40	30
4,4-DDT	ND<0.05	0.08	91	91	50-150	0.00	30
4,4-Methoxychlor	ND<0.05	0.08	89	92	50-150	4.10	30
Alachlor	ND<0.20	.75	84	84	50-150	0.00	30
Aldrin	ND<0.05	0.08	80	79	50-150	1.50	30
Alpha-BHC	ND<0.10	0.08	80	79	50-150	1.50	30
Beta-BHC	ND<0.05	0.08	96	101	50-150	4.90	30
Delta-BHC	ND<0.05	0.08	98	99	50-150	1.30	30
Dieldrin	ND<0.002	0.08	89	90	50-150	1.30	30
Endosulfan I	ND<0.05	0.08	86	88	50-150	1.50	30
Endosulfan II	ND<0.05	0.08	82	88	50-150	5.90	30
Endosulfan Sulfate	ND<0.05	0.08	100	100	50-150	0.00	30
Endrin	ND<0.05	0.08	81	81	50-150	0.00	30
Endrin Aldehyde	ND<0.05	0.08	125	125	50-150	0.00	30
Endrin Ketone	ND<0.05	0.08	96	96	50-150	0.00	30
Gamma-BHC	ND<0.10	0.08	86	86	50-150	0.00	30
Heptachlor	ND<0.05	0.08	76	74	50-150	3.20	30
Heptachlor Epoxide	ND<0.05	0.08	85	84	50-150	1.40	30

QA Type: EPA 8151A Chlorinated Herbicides Date Analyzed: 3/20/2013 Sample ID: AF26610 Client ID: SW-06

Analyte	SampRes	Amt	MS%R	MSD%R	MS CL	RPD	RPD CL
2,4,5-T	ND<0.40	0.8	79	65	50-150	19.00	30
2,4-D	ND<2.0	4.0	95	65	50-150	38.00 H	30
2,4-DB	ND<4.0	8.0	72	61	50-150	16.00	30
3,5-Dichlorobenzoic acid	ND<0.40	0.8	74	62	50-150	17.00	30
4-Nitrophenol	ND<2.0	4.0	68	58	50-150	16.00	30
Dalapon	ND<4.0	4.0	35 L	28 L	50-150	24.00	30
Dicamba	ND<0.40	0.8	76	64	50-150	18.00	30
Dichloroprop	ND<2.0	4.0	90	80	50-150	12.00	30
Dinoseb	ND<0.40	0.8	60	50	50-150	18.00	30
PCP	ND<0.10	0.2	125	105	50-150	17.00	30
Picloram	ND<0.40	0.8	60	49 L	50-150	21.00	30
Silvex	ND<0.40	0.8	82	69	50-150	18.00	30

ND is not detected

Initial Cal. Report

Compound	Batch#	%RSD	Limits
Initial Calibration VOC			
2-Butanone (MEK)	84762	37 H	20
1,2-Dibromo-3-Chloropropane	84762	21 H	20
1,2,4-Trichlorobenzene	84762	32 H	20
Hexachlorobutadiene	84762	32 H	20
Naphthalene	84762	30 H	20
1,2,3-Trichlorobenzene	84762	24 H	20
All associated samples: AF26607 AF26608			
Initial Calibration SVOC			
Aniline	84813	21 H	20
4-Chloroaniline	84813	43 H	20
Hexachlorocyclopentadiene	84813	29 H	20
2,4-Dinitrophenol	84813	28 H	20
3-Nitroaniline	84813	32 H	20
All associated samples: AF26607 AF26608 AF26609			
Initial Calibration SVOC			
Aniline	84814	21 H	20
4-Chloroaniline	84814	43 H	20
Hexachlorocyclopentadiene	84814	29 H	20
2,4-Dinitrophenol	84814	28 H	20
3-Nitroaniline	84814	32 H	20
All associated samples: AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616			

Cont. Cal. Report

Compound	Batch#	Result	Limits	Analysis Date
Volatile Organics Cont Cal				
Dichlorodifluoromethane	84762	120 H	35-65	3/13/2013
Chloromethane	84762	100 H	35-65	3/13/2013
Vinyl Chloride	84762	96 H	35-65	3/13/2013
Bromomethane	84762	83 H	35-65	3/13/2013
Chloroethane	84762	72 H	35-65	3/13/2013
All associated samples: AF26607 AF26608				
Volatile Organics Cont Cal				
1,2,4-Trichlorobenzene	84787	25 L	35-65	3/14/2013
Naphthalene	84787	16 L	35-65	3/14/2013
1,2,3-Trichlorobenzene	84787	26 L	35-65	3/14/2013
All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616				
PCB Confirmation Cont Cal				
PCB-1016	84821	1156 H	850-1150	3/15/2013
PCB-1260	84821	1188 H	850-1150	3/15/2013
All associated samples: AF26609 AF26610 AF26611 AF26612 AF26613 AF26614 AF26615 AF26616				

QC Batch Report

Total Mercury Batch 84739

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013

Total Mercury Batch 84740

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Chloride Batch 84746

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Chloride Batch 84747

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Nitrate as N Batch 84748

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Nitrate as N Batch 84749

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Sulfate Batch 84750

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Sulfate Batch 84751

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Total Metals Batch 84758

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Total Metals Batch 84759

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Total Metals Batch 84760

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Total Metals Batch 84761

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013

Volatile Organics Batch 84762

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013

EPA 8082 PCBs Batch 84764

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Volatile Organics Batch 84787

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Conn. Extractable TPH Batch 84804

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Semi-Volatile Organics Batch 84813

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Semi-Volatile Organics Batch 84814

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

EPA 8082 PCBs Batch 84821

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Ammonia as N Batch 84829

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Ammonia as N Batch 84830

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Biochemical Oxygen Demand, 5 Day Batch 84833

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Dissolved Metals Batch 84862

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

Dissolved Metals Batch 84863

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

EPA 8081B Chlorinated Pesticides Batch 84869

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013

EPA 8081B Chlorinated Pesticides Batch 84870

CET ID	Client Sample ID	Matrix	Collection Date
AF26609	SW-07	Water	3/11/2013
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

EPA 8151A Chlorinated Herbicides Batch 84879

CET ID	Client Sample ID	Matrix	Collection Date
AF26607	SW-09	Water	3/11/2013
AF26608	SW-08	Water	3/11/2013
AF26609	SW-07	Water	3/11/2013

EPA 8151A Chlorinated Herbicides Batch 84880

CET ID	Client Sample ID	Matrix	Collection Date
AF26610	SW-06	Water	3/11/2013
AF26611	SW-10	Water	3/11/2013
AF26612	SW-05	Water	3/11/2013
AF26613	SW-04	Water	3/11/2013
AF26614	SW-03	Water	3/11/2013
AF26615	SW-02	Water	3/11/2013
AF26616	SW-01	Water	3/11/2013

Narrative

1. The number of compounds allowed out for the LCS was exceeded for Pesticides for batch #84870.

4. Dichlorodifluoromethane LCS recovery high (238%) for batch 84762.
Chloromethane LCS recovery high (205%) for batch 84762.
Vinyl Chloride LCS recovery high (192%) for batch 84762.
Bromomethane LCS recovery high (166%) for batch 84762.
Chloroethane LCS recovery high (144%) for batch 84762.
1,2,4-Trichlorobenzene LCS recovery low (68%) for batch 84787.
Benzoic Acid LCS recovery low (27%) for batch 84813.
4-Chloroaniline LCS recovery high (133%) for batch 84813.
2,4-Dinitrophenol LCS recovery low (23%) for batch 84813.
3-Nitroaniline LCS recovery high (133%) for batch 84813.
Benzoic Acid LCS recovery low (27%) for batch 84814.
2,4-Dinitrophenol LCS recovery low (27%) for batch 84814.
Dissolved Silver LCS recovery low (48%) for batch 84863.
Endrin Aldehyde LCS recovery high (159%) for batch 84870.
Vinyl Chloride matrix spike recovery low (68%) for sample AF26610.
1,2,4-Trichlorobenzene matrix spike recovery low (53%) for sample AF26610.
1,2,4-Trichlorobenzene matrix spike RPD high (34.00%) for sample AF26610.
Naphthalene matrix spike recovery low (32%) for sample AF26610.
Naphthalene matrix spike RPD high (88.00%) for sample AF26610.
1,2,3-Trichlorobenzene matrix spike recovery low (50%) for sample AF26610.
1,2,3-Trichlorobenzene matrix spike RPD high (63.00%) for sample AF26610.
n-Nitroso-dimethylamine matrix spike dup recovery low (37%) for sample AF26610.
Phenol matrix spike RPD high (25.00%) for sample AF26610.
Phenol matrix spike dup recovery low (23%) for sample AF26610.
Aniline matrix spike RPD high (22.00%) for sample AF26610.
2-Methyl Phenol matrix spike RPD high (29.00%) for sample AF26610.
3+4 Methyl Phenol matrix spike RPD high (31.00%) for sample AF26610.
Benzoic Acid matrix spike recovery low (20%) for sample AF26610.
Benzoic Acid matrix spike dup recovery low (20%) for sample AF26610.
Hexachlorocyclopentadiene matrix spike dup recovery low (37%) for sample AF26610.
4-Nitroaniline matrix spike RPD high (29.00%) for sample AF26610.
2,4-Dinitrophenol matrix spike dup recovery low (27%) for sample AF26610.
4-Nitrophenol matrix spike RPD high (32.00%) for sample AF26610.
4-Nitrophenol matrix spike dup recovery low (27%) for sample AF26610.
Dissolved Silver matrix spike recovery low (71%) for sample AF26610.
Dissolved Silver matrix spike dup recovery low (71%) for sample AF26610.
Dissolved Antimony matrix spike recovery low (74%) for sample AF26610.
Dissolved Antimony matrix spike dup recovery low (74%) for sample AF26610.
2,4-D matrix spike RPD high (38.00%) for sample AF26610.
Dalapon matrix spike recovery low (35%) for sample AF26610.
Dalapon matrix spike dup recovery low (28%) for sample AF26610.

Picloram matrix spike dup recovery low (49%) for sample AF26610.
2-Butanone (MEK) Initial Cal % RSD high(37%) for batch 84762.
1,2-Dibromo-3-Chloropropane Initial Cal % RSD high(21%) for batch 84762.
1,2,4-Trichlorobenzene Initial Cal % RSD high(32%) for batch 84762.
Hexachlorobutadiene Initial Cal % RSD high(32%) for batch 84762.
Naphthalene Initial Cal % RSD high(30%) for batch 84762.
1,2,3-Trichlorobenzene Initial Cal % RSD high(24%) for batch 84762.
Aniline Initial Cal % RSD high(21%) for batch 84813.
4-Chloroaniline Initial Cal % RSD high(43%) for batch 84813.
Hexachlorocyclopentadiene Initial Cal % RSD high(29%) for batch 84813.
2,4-Dinitrophenol Initial Cal % RSD high(28%) for batch 84813.
3-Nitroaniline Initial Cal % RSD high(32%) for batch 84813.
Aniline Initial Cal % RSD high(21%) for batch 84814.
4-Chloroaniline Initial Cal % RSD high(43%) for batch 84814.
Hexachlorocyclopentadiene Initial Cal % RSD high(29%) for batch 84814.
2,4-Dinitrophenol Initial Cal % RSD high(28%) for batch 84814.
3-Nitroaniline Initial Cal % RSD high(32%) for batch 84814.
Dichlorodifluoromethane CC high for batch 84762.
Chloromethane CC high for batch 84762.
Vinyl Chloride CC high for batch 84762.
Bromomethane CC high for batch 84762.
Chloroethane CC high for batch 84762.
1,2,4-Trichlorobenzene CC low for batch 84787.
Naphthalene CC low for batch 84787.
1,2,3-Trichlorobenzene CC low for batch 84787.
PCB-1016 CC high for confirmation column for batch 84821.
PCB-1260 CC high for confirmation column for batch 84821.

6. The client has requested a subset of the RCP Metals list.

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Std. (IS)	An analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Rec.(Surr Rec)	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period. Samples are of the same matrix.
ND	Not detected.
Dilution	Multiplier applied to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Samp. Res.	Amount of analyte found in a sample.
Spk. Amt. (Amt)	Amount of analyte added to a sample.
Spk. Res.	Amount of analyte found including amount that was spiked.
Spk. Dup. Res.	Amount of analyte found in duplicate spikes including amount that was spiked.
MS%R	% recovery of spiked amount in sample.
MSD%R	% recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between MS and MSD
Blank	Method blank that has been taken through all steps of the analysis.
LCS % Rec.	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Control Limits	A range within which specified measurement results must fall to be compliant.
LCS CL	Control limits for Laboratory Control Sample.
MS CL	Control limits for matrix spike and matrix spike dup.
RPD CL	Control limits for RPD.
Cont. Cal. (CC)	Continuing Calibration

Flags:

H-	Recovery is above control limits
L-	Recovery is below control limits
B-	Compound detected in the Blank
P-	RPD of dual column results exceeds 40%
#-	Sample result too high for accurate spike recovery

Connecticut Laboratory Certification PH 0116
Massachusetts Laboratory Certification M-CT903
Rhode Island Certification 199

New York Certification 11982
Florida Laboratory Certification E871064

APPENDIX G

FIELD DATA SHEETS

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: cloudy ~ 53°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or (Bladder pump) YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm): 2.8/2238
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-1(OB)
Date: 5/8/12
Depth to Water (ftbtoc): 32.74
Depth to Bottom (ftbtoc): 36.51
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0955	32.74			Start Purge							Turbid, strong odor
1000	32.95			7.24	40.01	40.2	18.9	13.86		-140.2	Turbid, strong odor
1005	32.95			7.27	40.13	26.3	11.3	13.79		-147.7	Turbid, strong odor
1010	32.95			7.30	40.08	30.9	10.0	13.78		-148.4	Turbid, strong odor
1015	32.95			7.31	39.76	16.8	0.83	13.75		-154.7	Turbid, strong odor
1020	32.95			7.34	39.24	16.5	0.71	13.73		-158.2	Turbid, strong odor
1025	32.95			7.38	38.99	16.3	1.05	13.65		-156.5	" "
1030	32.95			7.34	38.40	24.8	1.11	13.66		-160.0	" "
1035	32.95			7.36	38.72	10.3	2.15	13.63		-157.2	" "
1040	32.95			7.34	38.53	28.0	1.12	13.65		-159.8	" "
1045	32.95			7.33	38.52	27.5	1.28	13.63		-157.7	" "
1050	32.95			7.33	38.63	4.6	1.17	13.60		-156.7	" "
1055	32.95			7.34	38.51	6.3	1.91	13.61		-158.0	" "
1100	32.95			7.37	38.65	5.8	1.35	13.63		-157.4	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-1(OB) Sample Time: 1100/1200 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

*Dup collected, MW-1A(OB) for same analysis.

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Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~ 55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm): ~~2130~~ 2.0/2130
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-1 (R)
Date: 5/8/12
Depth to Water (ftbtoc): 32.82
Depth to Bottom (ftbtoc): 66.44
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 50-60

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1235	34.62	350		6.23	6.531	61.1	1.52	13.67		22.1	Sl. Turbid / Sl. Odor
1240 *	34.60			6.18	6.365	47.4	1.90	13.98		40.5	" "
1320	34.60			6.19	6.368	35.5	1.49	14.04		35.8	Clear / N/O
1325	38.21			6.10	6.592	25.3	1.20	13.84		49.0	Clear N/O
1330	39.61			6.10	6.403	25.5	1.69	13.80		51.5	Clear N/O
1335	40.80			6.09	6.242	24.2	1.62	13.78		55.6	Clear N/O
1340	41.62			6.10	6.231	27.6	1.74	13.76		57.8	Clear N/O
1345	42.20			6.15	6.133	32.8	1.85	13.67		62.3	Clear N/O
1350	43.19			6.09	6.137	41.7	1.83	13.65		71.4	Clear N/O
1355	43.91			6.08	6.155	32.1	1.70	13.63		72.8	Clear N/O
1400	44.98			6.09	6.176	[illegible]	1.46	13.63		72.9	Clear N/O
1405	46.03			6.09	6.184	32.0	1.49	13.57		73.1	Clear N/O
1410	46.99			6.11	6.182	32.3	1.55	13.54		70.0	Clear N/O
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-1 (R) Sample Time: 1415 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

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* Dead battery

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast / Rain 65 °F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or (Bladder pump) YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-2 (OB)
Date: 5/15/12
Depth to Water (ftbtoc): 32.85
Depth to Bottom (ftbtoc): 41.82
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1220	32.85	200	ml/m	Start	Purge						
1225	32.90			6.64	1.442	63.6	1.84	15.56		-71.2	Turbid
1230				6.65	1.449	45.3	0.78	15.38		-77.7	" "
1235				6.64	1.447	23.2	0.54	15.41		-81.1	" "
1240				6.64	1.447	17.1	0.32	15.37		-81.9	Sl. Turbid
1245				6.64	1.444	12.6	0.51	15.38		-82.4	" "
1250				6.64	1.444	14.0	0.51	15.37		-83.1	" "
1255				6.65	1.444	12.6	0.48	15.32		-83.3	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-2 (OB) Sample Time: 1255 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast / Drizzle 60°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-2(R)
Date: 5/15/12
Depth to Water (ftbtoc): 32.35
Depth to Bottom (ftbtoc): 64.60
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1100	32.35	200	ml/m	start	purge						
1105	32.42			7.11	0.462	65.3	2.03	15.76		-106.6	Turbid sl. lg
1110	32.43			7.15	0.458	7.9	0.51	15.22		-123.3	Clear sl. lg
1115	32.46			7.13	0.469	7.8	0.36	15.22		-122.1	" "
1120	32.46			6.78	0.663	5.0	0.40	15.18		-99.0	" "
1125	32.45			6.62	0.755	4.6	0.41	15.20		-97.3	" "
1130				6.59	0.805	5.1	0.28	15.16		-96.3	" "
1135				6.58	0.831	4.9	0.38	15.19		-89.8	" "
1140				6.58	0.838	2.8	0.39	15.19		-84.6	" "
1145				6.58	0.842	2.1	0.34	15.22		-81.4	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-2(R) Sample Time: 1145 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather:
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-3(OB)
Date: 5/10/12
Depth to Water (ftbtoc): 9.91
Depth to Bottom (ftbtoc): 15.08
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1330	9.91	200-300 ml/m		Start Purge							turbid, mod odor, Red-orange
1335				6.71	0.907	58.0	1.86	13.18		-74.8	" " "
1340				6.76	0.939	14.8	3.47	12.53		-77.5	" " "
1345				6.72	0.934	15.0	1.51	12.65		-74.6	" " "
1350				6.71	0.936	13.6	0.85	12.85		-73.8	clearing, mod odor
1355				6.70	0.943	7.9	0.63	12.54		-74.0	Clear, Mod. odor
1400				6.69	0.943	5.6	0.51	12.50		-76.2	Clear, Mod odor
1405				6.70	0.938	4.7	0.40	12.58		-79.7	Clear, Sl. odor
1410				6.70	0.930	4.2	0.38	12.67		-81.0	Clear, Sl. odor
1415				6.70	0.924	2.8	0.33	12.42		-82.4	Clear, Sl. odor
1420				6.70	0.914	2.2	0.33	12.44		-84.7	Clear, Sl. odor
1425				6.71	0.902	3.7	0.33	12.46		-85.6	Clear, Sl. odor
1430				6.71	0.897	2.0	0.35	12.45		-85.7	Clear, Sl. odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-3(OB) Sample Time: 1430 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Partly Sunny
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or (Bladder pump) YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-3(R)
Date: 5/10/12
Depth to Water (ftbtoc): 19.52
Depth to Bottom (ftbtoc): 66.81
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1340	19.52	200	ml/m	Start Purge							~~Clear~~
1345	19.92			6.49	0.876	8.8	1.23	15.24		10.3	Clear
1350	20.90			6.30	0.871	22.6	0.70	14.58		17.0	Sl. turbid
1355	21.80			6.25	0.867	16.1	0.56	14.23		12.1	" "
1400	21.27			6.26	0.869	14.7	0.54	14.48		11.8	" "
1405	21.31			6.24	0.838	0.3	0.41	14.88		8.7	Clear
1410	21.41			6.22	0.837	0.3	0.43	14.82		11.4	" "
1415	21.42			6.12	0.839	0.1	0.41	14.86		25.7	" "
1420	21.41			6.12	0.848	0.6	0.46	14.88		36.8	" "
1425				6.08	0.855	0.4	0.44	14.84		43.3	" "
1430				6.05	0.859	0.1	0.44	14.74		52.1	" "
1435				6.02	0.863	0.7	0.37	14.70		59.1	" "
1440				6.00	0.866	3.4	0.40	14.51		62.8	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-3(R) Sample Time: 1440 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Containers Size	Containers Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Rain ~ 58°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-4(OB)
Date: 5/9/12
Depth to Water (ftbtoc): 9.26
Depth to Bottom (ftbtoc): 14.62
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 4-14

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0625	9.26	250-300 ml/min									
0630	9.35			6.37	1.487	7.0	4.21	14.39		90.9	
0635	9.37			6.09	1.223	5.9	2.94	14.37		136.2	
0640				6.04	1.098	5.7	2.62	14.38		167.6	
0645				6.05	1.035	3.3	2.74	14.45		174.7	
0650				6.01	1.025	3.4	2.60	14.45		185.4	
0655				6.01	0.986	2.9	2.49	14.37		196.6	
0700				6.01	0.947	2.4	2.39	14.35		199.7	
0705				6.00	0.891	2.9	2.35	14.36		206.3	
0710				6.02	0.859	2.7	2.43	14.28		206.5	
0715				6.02	0.848	1.5	2.48	14.14		209.7	
0720				6.02	0.855	2.8	2.64	14.12		211.8	
0725				6.03	0.850	2.3	2.84	14.23		213.4	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-4(OB) Sample Time: 0725 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Rain, ~54°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-4(R)
Date: 5/9/12
Depth to Water (ftbtoc): 9.30
Depth to Bottom (ftbtoc): 34.30
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0625	9.30	250-300 ml/m									
0630	9.48			6.67	0.768	102.8	1.64	14.02		141.9	Turbid, N/O
0635	9.64			6.12	0.783	31.1	1.04	13.89		174.3	Clearing, N/O
0640	9.64			6.04	0.786	22.0	0.88	13.75		189.7	clearing, N/O
0645	9.64			5.99	0.791	19.1	0.80	13.57		199.2	clearing, N/O
0650	9.64			5.95	0.791	21.5	0.76	13.56		204.3	clearing, N/O
0655	9.64			5.94	0.791	21.4	0.73	13.85		206.1	clearing, N/O
0700	9.64			5.94	0.793	20.5	0.71	13.88		203.5	Clearing, N/O
0705	9.64			5.91	0.793	17.1	0.67	13.83		206.7	Clearing, N/O
0710	9.64			5.90	0.793	14.6	0.65	13.82		204.8	clearing, N/O
0715	9.64			5.91	0.792	11.0	0.63	13.79		203.7	Clearing, N/O
0720	9.64			5.89	0.791	13.1	0.62	13.94		206.6	clearing, N/O
0725	9.64			5.90	0.792	11.8	0.62	13.89		208.5	clearing, N/O
0730	9.64			5.90	0.793	6.5	0.61	13.70		210.1	clear, N/O
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-4(R) Sample Time: 0730 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Partly sunny ~ 58°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-5(R)
Date: 5/10/12
Depth to Water (ftbtoc): 9.15
Depth to Bottom (ftbtoc): 36.55
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0940	9.15			Start Purge							
0945	9.30			5.99	0.114	4.2	2.56	11.75		98.1	clear, sl. odor
0950	9.32			5.91	0.110	2.2	2.17	11.27		126.8	clear, sl. odor
0955	9.32			5.88	0.109	2.3	1.95	11.01		151.6	clear, sl. odor
1000	9.32			5.88	0.108	2.5	1.91	10.93		163.1	clear, sl. odor
1005	9.32			5.89	0.109	2.5	1.75	10.98		173.6	clear, sl. odor
1010	9.32			5.91	0.110	2.8	1.70	11.08		178.1	clear, sl. odor
1015	9.32			5.91	0.110	2.4	1.68	11.00		184.0	clear, sl. odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-5(R) Sample Time: 1015 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
					Containers			
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast ≈50°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-6(03)
Date: 5/8/12
Depth to Water (ftbtoc): 30.62
Depth to Bottom (ftbtoc): 37.46
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0810	30.62			6.50	1.426	150.3	1.91	17.57		-89.7	Moderately Turbid / M. Odor
0815	30.65			6.46	1.451	22.4	1.81	17.67		-95.7	Sl. Turbid / M. odor
0820	30.65			6.46	1.453	12.2	1.88	17.65		-98.8	Clear / Sl. odor
0825				6.47	1.450	6.5	1.84	17.65		-101.0	Clear / Sl. odor
0830				6.47	1.462	4.3	1.65	17.66		-102.0	Clear / Sl. odor
0835				6.48	1.466	3.2	1.68	17.68		-103.3	Clear / Sl. odor
0840				6.48	1.480	3.0	1.61	17.70		-106.1	" "
0845				6.49	1.481	2.5	1.66	17.49		-106.3	" "
0850				6.49	1.487	1.6	1.55	17.74		-107.9	" "
0855				6.49	1.490	2.6	1.62	17.74		-108.7	" "
0900				6.49	1.489	2.1	1.49	17.72		-108.2	" "
0905				6.49	1.491	2.6	1.44	17.72		-108.6	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-6(03) Sample Time: 0905 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather:
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-6(R)
Date: 5/7/12
Depth to Water (ftbtoc): 41.43
Depth to Bottom (ftbtoc): 42.71
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information (ml p.m)

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (~~gpm~~,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1340	41.50	200		7.11	2.581	187.2	1.77	18.01		-53.1	Sl. Turbd / Sl. Odor
1345	41.51			7.14	2.656	132.5	0.76	17.70		-59.0	" "
1350	41.50			6.96	2.917	33.8	1.10	17.05		-112.1	Clear / Sl. Odor
1355	41.50			6.80	3.071	20.7	0.96	16.98		-80.0	" "
1400				6.75	3.162	19.1	0.97	16.98		-74.9	" "
1405				6.72	3.260	16.7	1.91	16.93		-67.1	" "
1410				6.70	3.352	33.6	1.87	16.85		-63.0	" "
1415				6.68	3.397	12.0	1.83	16.76		-60.4	" "
1420				6.70	3.419	12.9	1.78	16.69		-60.5	" "
1425				6.67	3.436	10.6	1.80	16.69		-59.8	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-6(R) Sample Time: 1430 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast 65 °F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or (bladder pump) YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-9(OB)
Date: 5/14/12
Depth to Water (ftbtoc): 32.69
Depth to Bottom (ftbtoc): 37.15
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (~~mS/m~~ mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1325	32.69	250	ml/m	Start Purge							
1330	33.09			6.54	0.263	4.4	1.14	15.11		-8.9	Clear Sulfur like odor when cap was removed
1335	33.11			6.34	0.259	3.8	0.82	14.66		-9.7	clear Strong odor
1340	33.08			6.29	0.255	2.4	0.57	14.63		-16.0	" "
1345				6.27	0.253	2.0	0.47	14.53		-18.2	" "
1350				6.27	0.253	1.9	0.44	14.51		-20.4	" "
1355				6.26	0.252	1.9	0.38	14.45		-21.7	" "
	MW										
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-9(OB) Sample Time: 1400 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather:
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-9(R)
Date: 5/15/12
Depth to Water (ftbtoc): 38.30
Depth to Bottom (ftbtoc): 81.7
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 65-75

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm/ppm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	~~Other~~	ORP (mV)	Comments / Observations (color, odor, etc.)
0839	40.40	.150		8.76	.401	12.1	1.46	13.15		68.2	clear w/o
0844	42.18	.150		8.87	.397	12.1	0.88	12.90		71.4	
0849	44.75			8.93	.396	12.2	0.81	12.83		70.1	
0854	46.60			8.87	.395	12.2	1.23	12.83		70.0	
0859	48.84			8.71	.392	12.1	2.01	12.90		72.0	
0904	49.60			8.67	.392	12.2	2.27	12.91		73.3	
0909	51.25			8.52	.392	12.1	2.98	12.98		74.9	
0914				8.48	.390	9.3	3.17	12.95		75.2	
0919				8.45	.391	7.7	3.27	13.03		70.9	
0924	55.51			8.44	.391	8.1	3.27	13.02		70.2	
0929	57.91			0842	.390	7.6	3.37	13.00		69.4	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-9(R) Sample Time: 0930 TRC Personnel: ~~Paul C.~~ C. Carlson & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Partly Sunny 65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid - Screen

Well Identification: MW-10(R)
Date: 5/11/12
Depth to Water (ftbtoc): 20.58
Depth to Bottom (ftbtoc): 39.82
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1125	20.58	200	ml/m	Start	Pump						
1130	21.12			6.97	1.213	30.3	6.57	16.02		131.0	Sl. Turbid N/O
1135	21.61			5.76	2.570	24.6	1.10	15.43		174.4	" "
1140	21.63			5.75	2.446	38.6	0.88	14.88		194.1	" "
1145	21.62			5.74	2.448	12.6	0.88	15.02		200.0	" "
1150	21.75			5.72	2.505	5.9	0.93	15.09		203.1	Clear N/O
1155	21.75			5.60	2.558	13.8	0.64	15.04		219.4	Sl. Turbid N/O
1200	21.76			5.55	2.602	5.2	0.94	15.10		228.9	Clear N/O
1205	21.77			5.50	2.653	10.4	0.57	14.98		233.2	" "
1210	21.81			5.59	2.683	9.0	0.95	14.99		225.9	" "
1215	21.82			5.46	2.714	7.6	0.98	15.02		239.1	" "
1220	21.83			5.43	2.720	7.4	1.04	15.02		242.1	" "
1225	21.84			5.43	2.733	6.9	0.96	15.01		247.3	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-10(R) Sample Time: 1225 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-11(OB)
Date: 5/10/12
Depth to Water (ftbtoc): ~~15.00~~ 14.55
Depth to Bottom (ftbtoc): ~~15.00~~ 15.30
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1100	14.55	200 ml/m		Start Purge							turbid, Strong odor
1105	15.10	<100 ml/m		6.40	2.861	28.6	0.80	15.16		-108.3	" "
1108	Dry										shut off to recharge
	—	Dry after 15 min - no recharge									
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: — Sample Time: — TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
					Containers			
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-11 (R)
Date: 5/10/12
Depth to Water (ftbtoc): 11.79
Depth to Bottom (ftbtoc): 34.70
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
11.20	11.79	250-300 ml/m		Start Purge							Clear, mod odor
11.25	11.79			7.59	0.008	4.6	8.12	18.37		-35.3	Clear, mod odor.
11.30	11.79			6.18	0.348	9.8	1.10	14.74		134.1	Clear, mod odor
11.35	11.79			5.90	0.375	9.9	0.73	14.39		167.5	clear, mod odor
11.40	11.79			5.80	0.416	0.4	0.70	14.56		187.0	clear, mod odor
11.45	11.79			5.79	0.428	0.8	0.77	14.64		164.0	Clear, mod odor.
11.50	11.79.			5.78	0.430	0.8	0.76	14.67		163.2	clear, mod odor
11.55	11.79			5.77	0.433	0.6	0.75	14.57		164.0	Clear, mod odor
12.00	11.79			5.76	0.439	0.8	0.75	14.50		162.2	clear, mod odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-11 (R) Sample Time: 1200 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast / Rain 60°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-12(OB)
Date: 5/9/12
Depth to Water (ftbtoc): 9.57
Depth to Bottom (ftbtoc): 15.62
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm) ml/min.	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0915	9.61	200		6.58	0.326	39.3	1.48	12.95		-51.4	Sl. Turbid N/O
0920	9.62			6.53	0.328	23.1	0.43	12.66		-60.1	" "
0925				6.54	0.328	14.5	0.41	12.68		-67.8	" "
0930				6.58	0.327	13.0	0.33	12.51		-68.7	" "
0935				6.63	0.327	9.1	0.32	12.67		-71.4	Clear N/O
0940				6.60	0.325	7.1	0.29	12.58		-67.8	" "
0945				6.60	0.325	4.7	0.28	12.33		-67.4	" "
0950				6.59	0.325	2.3	0.27	12.35		-66.8	" "
0955				6.59	0.325	1.5	0.26	12.47		-67.8	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-12(OB) Sample Time: 1000 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: overcast / Rain 60°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-12(R)
Date: 5/9/12
Depth to Water (ftbtoc): 9.74
Depth to Bottom (ftbtoc): 38.08
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information ml/min

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1045	11.16	200		6.61	0.355	5.5	1.11	14.76		14.0	Clear Sl. odor
1050	13.61			6.55	0.354	6.4	0.57	14.60		20.7	" "
1055	15.42			6.53	0.353	8.8	0.50	14.65		23.4	" "
1100	16.12			6.52	0.353	9.8	0.47	14.98		24.7	" "
1105	17.03			6.56	0.353	11.0	0.53	15.00		21.3	" "
1110	17.65			6.51	0.352	19.7	0.78	15.21		26.6	Sl. Turbid Sl. odor
1115	18.76			6.50	0.352	31.2	0.61	14.90		29.6	Sl. Turbid Sl. odor
1120	19.75			6.48	0.351	67.8	0.54	14.81		32.1	M. Turbid Sl. Odor
1125	20.71			6.48	0.350	66.7	0.54	14.82		34.3	" "
1130	21.56			6.47	0.350	71.6	0.48	14.73		36.6	" "
1135	22.48			6.46	0.349	30.1	0.43	14.58		37.9	Sl. Turbid Sl. odor
1140	23.38			6.45	0.348	31.7	0.41	14.70		40.3	" "
1145	24.26			6.44	0.347	31.8	0.41	14.65		41.7	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-12(R) Sample Time: 1150 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
					Containers			
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Partly Sunny 65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-13(OB)
Date: 5/11/12
Depth to Water (ftbtoc): 19.48
Depth to Bottom (ftbtoc): 22.24
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1325	19.48	200	ml/m	Start	Purge						
1330				6.14	0.330		1.59	16.30		142.5	Sl. Turbid
1335				6.09	0.327	12.0	1.31	16.30		151.6	" "
1340				6.07	0.316	41.8	0.92	15.67		169.8	Turbid
1345				6.03	0.310	3.1	0.78	15.29		180.2	Clear
1350				6.04	0.308	15.2	0.76	15.81		183.4	" "
1355				6.03	0.305	14.8	0.72	15.50		182.7	Sl. Turbid
1400				6.07	0.303	11.5	0.76	15.82		176.5	" "
1405				6.02	0.301	0.0	0.77	15.82		177.0	Clear
1410				6.03	0.300	0.0	0.77	16.39		177.1	" "
1415				6.00	0.300	0.0	0.78	16.46		183.5	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-13(OB) Sample Time: 1415 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Containers: Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-13(R)
Date: 5/14/12
Depth to Water (ftbtoc): 29.71
Depth to Bottom (ftbtoc): 59.27
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0725	29.71	300	ml/m	Start	Purge						
0730	30.17			5.89	0.594	58.1	0.94	13.30		124.8	Turbid Sl. odor
0735	30.47			5.77	0.593	49.2	0.58	13.03		140.9	" "
0740	30.56			5.76	0.592	47.9	0.58	12.83		147.3	" "
0745	30.55			5.75	0.591	49.3	0.50	12.86		149.1	" "
0750	30.77			5.78	0.591	47.7	0.35	12.34		151.8	" "
0755	31.62			5.72	0.591	30.3	0.31	12.38		159.5	Sl. Turbid Sl. odor ← Fixed leaky air fitting
0800	31.82			5.76	0.591	25.7	0.37	12.45		161.2	" "
0805	31.92			5.75	0.591	21.8	0.36	12.44		164.7	" "
0810	32.03			5.74	0.590	16.6	0.32	12.57		171.6	" "
0815	32.03			5.75	0.589	14.6	0.33	12.57		172.3	" "
0820	32.07			5.74	0.590	14.7	0.32	12.53		173.6	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-13(R) Sample Time: 0820 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or (Bladder pump), YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm): 2.5/0.0 —
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-14(OB)
Date: 5-7-12
Depth to Water (ftbtoc): 30.46
Depth to Bottom (ftbtoc): 37.7
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0945	30.46	250 ml/m		Start	Purge						Black, strong odor
0950	30.56			6.86	1.837	231.6	1.52	18.92		-111.2	Turbid, strong odor
0955	30.56			6.95	1.829	212.2	0.51	18.76		-134.0	Turbid, strong odor
1000	30.56			6.98	1.826	128.5	0.46	18.73		-131.3	Turbid, strong odor
1005	30.56			6.99	1.815	57.0	0.41	18.66		-125.0	Clearing, mod. odor
1010	30.56			7.00	1.816	34.7	0.40	18.76		-124.3	clearing, mod. odor
1015	30.56			7.01	1.823	21.2	0.38	18.98		-121.6	clearing, mod. odor
1020	30.56			7.01	1.814	13.8	0.36	18.78		-122.9	clearing, mod. odor
1025	30.56			7.01	1.813	14.0	0.35	18.85		-121.4	clearing, mod odor
1030	30.56			7.02	1.812	10.5	0.34	18.80		-122.7	clearing, mod odor
1035	30.56			7.03	1.813	9.5	0.32	18.88		-123.7	clear, sl. odor
1040	30.56			7.04	1.813	9.7	0.31	18.90		-123.8	clear, sl. odor
—	Collect sample										clear, sl. odor,
											sheen on gw in container
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-14(OB) Sample Time: 1040 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~ 55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or (Bladder pump) YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm): 2.0/0.0 —
Pump Intake (ftbtoc): mid-screen

Well Identification: MW-14(R)
Date: 5/7/12
Depth to Water (ftbtoc): 41.15
Depth to Bottom (ftbtoc): 95.81
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1125	41.15	250ml/m		Start Purge							Turbid, Mod odor
1130	41.23			7.42	0.938	16.9	3.07	19.89		-124.3	Turbid, Mod odor
1135	41.23			6.92	0.535	12.2	2.26	19.51		-113.5	Clearing, mod odor
1140	41.23			6.75	2.148	7.9	1.32	19.22		-116.7	Clearing, Mod odor
1145	41.23			6.72	2.549	3.6	0.82	19.20		-121.0	Clear, Mod odor
1150	41.23			6.72	2.627	2.7	0.71	19.32		-122.6	Clear, Sl. odor
1155	41.23			6.72	2.663	2.8	0.67	19.61		-123.3	Clear, Sl. odor
1200	41.23			6.72	2.981	2.7	0.67	19.90		-122.1	Clear, Sl. odor
1205	41.23			6.72	2.990	~~2.4~~	0.67	19.99		-122.9	Clear, Sl. odor
1210	41.23			6.72	2.993	2.8	0.67	20.70		-120.9	Clear, Sl. odor
	Collect Sample										Clear, Sheen on GW
											in sample containers, Sl.
											to mod. odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-14(R) Sample Time: 1210 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Containers Size	Containers Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~62°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-15(OB)
Date: 5/8/12
Depth to Water (ftbtoc): 11.60
Depth to Bottom (ftbtoc): 12.61
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1335	11.60	<150ml/m		Start	Purge.						brown, milky, sl. odor
1340	12.30			7.40	0.715	1122.9	5.19	12.33		-44.3	same as above
1345	12.50			7.23	0.713	1116.6	5.05	12.28		-51.3	same as above
1350	Dry			7.27	0.705	1124.8	3.93	12.30		-105.2	
	Stopped to recharge										
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-15(OB) Sample Time: _____ TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
					Containers			
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~62°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-15(R)
Date: 5/8/12
Depth to Water (ftbtoc): 12.66
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1355	12.66			Start Purge							
1400	14.10			7.34	0.590	35.8	3.61	12.25		33.4	Sl. turbid, sl. odor
1405	15.70			7.17	0.588	10.0	2.88	12.73		23.3	
1410	16.05			7.15	0.587	11.6	2.85	12.86		49.0	
1415	16.65			7.14	0.585	12.2	2.82	12.88		63.1	
1420	16.95			7.13	0.585	5.8	2.88	12.95		68.7	
1425	17.55			7.14	0.585	5.6	2.98	12.82		77.0	
1430	18.00			7.10	0.585	5.5	3.02	12.77		79.8	
1435	18.50			7.18	0.583	5.8	3.09	12.97		79.8	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: _____ Sample Time: 1435 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Rain
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-16(OB)
Date: 5/14/17
Depth to Water (ftbtoc): 16.95
Depth to Bottom (ftbtoc): 22.20
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1340	16.95	200-300 ml/m		Start Purge							
1345	17.05										
1350	17.20			6.42	3.990	39.9	0.73	13.37		224.0	turbid, mod odor
1355	17.25			6.37	4.016	12.2	0.59	13.18		266.2	Clearing, "
1400	17.30			6.34	4.055	7.9	0.54	12.94		291.9	Clear, "
1405	17.40			6.39	4.067	8.9	0.53	12.91		256.1	clear, "
1410	17.50			6.32	4.063	7.9	0.51	12.67		305.2	Clear, "
1415	17.60			6.32	4.043	6.8	0.50	12.86		328.8	clear, mod odor
1420	17.60			6.31	4.032	6.1	0.50	12.81		335.7	clear, mod odor
1425	17.60			6.30	4.030	5.8	0.50	12.88		345.6	clear, mod odor
1430	17.60			6.32	4.028	5.0	0.51	12.90		348.0	clear, mod odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-16(OB) Sample Time: 1430 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast 50°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-16(R)
Date: 5/15/12
Depth to Water (ftbtoc): 16.55
Depth to Bottom (ftbtoc): 48.71
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0725	16.55	300	ml/m	start	Purge						
0730	16.91			6.06	1.639	9.8	0.70	13.26		25.2	Clear N/O
0735	16.92			6.07	1.632	6.3	0.53	13.18		212.6	" "
0740	16.93			6.07	1.629	6.4	0.42	13.13		209.4	" "
0745				6.06	1.633	7.9	0.39	13.12		208.9	" "
0750				6.05	1.633	8.8	0.39	13.10		209.4	" "
0755				6.07	1.637	10.1	0.39	13.16		207.7	" "
0800				6.06	1.857	5.9	0.39	13.18		154.4	" "
0805				5.74	2.657	10.7	0.37	13.16		136.5	" "
0810				5.58	3.092	7.8	0.39	13.22		140.4	" "
0815				5.59	3.280	6.8	0.41	13.24		140.6	" "
0820				5.57	3.356	5.7	0.42	13.29		138.2	" "
0825				5.57	3.387	5.1	0.41	13.20		135.7	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-16(R) Sample Time: 0825 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Cloudy ~65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-17(03)
Date: 5/14/12
Depth to Water (ftbtoc): 17.51
Depth to Bottom (ftbtoc): 22.60
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0950	17.51	200-300 ml/m		Start Purge							Turbid, mod. odor
0955	17.57			6.71	1.721	6.1	2.11	16.60		-67.0	Clear, mod. odor
1000	17.57			6.68	1.770	5.3	0.67	16.59		-76.0	" "
1005	17.57			6.67	1.777	4.9	0.64	16.59		-80.6	Clear, mod odor
1010	17.57			6.68	1.781	3.5	0.63	16.66		-80.8	" "
1015	17.57			6.68	1.779	2.3	0.56	16.67		-78.3	" "
1020	17.57			6.68	1.776	1.8	0.52	16.68		-81.1	" "
1025	17.57			6.68	1.775	1.5	0.51	16.68		-81.0	" "
1030	17.57			6.68	1.775	1.2	0.50	16.65		-81.1	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-17(03) Sample Time: 1030 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Containers Type		Analysis	Number	Size	Containers Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

* Dup Collected MW-17A(03) (1130) for same analysis

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Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast 65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-17(R)
Date: 5/14/12
Depth to Water (ftbtoc): 17.36
Depth to Bottom (ftbtoc): 78.55
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1045	17.36	200	ml/m	Start	Purge						
1050	18.51			7.35	1.715	3.4	2.69	17.74		237.7	clear / odor
1055	18.81			7.33	1.719	2.6	2.12	17.79		244.8	" "
1100	19.52			7.29	1.723	3.5	1.64	17.74		270.8	" "
1105	20.13			7.28	1.724	5.0	1.13	17.71		285.2	" "
1110	20.79			7.32	1.724	4.2	1.23	17.79		242.0	" "
1115	21.59			7.28	1.725	5.4	1.17	17.79		294.8	" "
1120	21.95			7.28	1.725	5.7	1.23	17.90		306.1	" "
1125	22.38			7.29	1.725	8.0	1.27	17.94		311.2	" "
1130	22.54			7.29	1.726	4.8	1.26	17.99		314.4	" "
1135	22.93			7.28	1.726	6.6	1.30	18.04		317.8	" "
1140	23.30			7.29	1.727	8.4	1.34	18.16		320.4	" "
1145	23.52			7.29	1.727	8.2	1.41	18.45		325.8	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-17(R) Sample Time: 1145 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: cloudy, humid, ~ 64°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-18(OB)
Date: 5/14/12
Depth to Water (ftbtoc): 10.00
Depth to Bottom (ftbtoc): ~~14.70~~ 14.70
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0810	10.00	200-300 ml/m		Start Purge							turbid, mod. odor
0815	11.20			6.76	1.034	70.0	1.16	13.57		-120.2	turbid, mod. odor
0820	11.50			6.71	1.022	76.2	0.72	13.32		-118.0	turbid, mod odor
0825	11.65			6.73	1.020	49.9	0.65	13.35		-114.3	Turbid, mod odor.
0830	11.80			6.73	1.019	41.7	0.57	13.33		-112.0	Clearing, mod. odor
0835	11.95			6.74	1.019	32.0	0.60	13.36		-111.1	clearing, "
0840	11.95			6.74	1.016	26.4	0.59	13.38		-110.2	clearing, "
0845	11.95			6.74	1.015	25.0	0.56	13.44		-110.0	clearing, "
0850	11.95			6.74	1.015	22.6	0.53	13.46		-109.9	clearing, "
0855	11.95			6.74	1.015	16.4	0.53	13.45		-110.1	" "
0900	11.95			6.74	1.014	16.0	0.53	13.49		-110.6	" "
0905	11.95			6.74	1.015	14.0	0.52	13.47		-111.1	" "
0910	11.95			6.74	1.013	12.6	0.49	13.41		-112.7	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-18(OB) Sample Time: 0910 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast 65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): mid-screen

Well Identification: MW-18(R)
Date: 5/14/12
Depth to Water (ftbtoc): 9.30
Depth to Bottom (ftbtoc): 52.51
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0910	9.30	200	ml/m	Start	Purge						
0915	9.45			6.90	0.775	8.6	3.46	14.78		179.6	Clear / odor
0920	10.30			7.22	0.767	7.8	1.20	14.24		262.0	" "
0925	10.77			7.28	0.766	5.3	0.90	14.15		292.6	" "
0930	11.49			7.32	0.764	6.8	0.80	14.05		322.3	" "
0935	12.07			7.35	0.764	5.0	0.87	14.08		338.0	" "
0940	12.71			7.37	0.763	5.3	0.78	14.07		350.7	" "
0945	13.21			7.39	0.763	5.2	0.77	14.15		354.3	" "
0950	13.61			7.40	0.763	4.0	0.75	14.16		355.8	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-18(R) Sample Time: 0950 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Rain ~54°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-19(R)
Date: 5/9/12
Depth to Water (ftbtoc): 9.42
Depth to Bottom (ftbtoc): 38.40
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0845	9.42	250-300 ml/m		Start Purge							Clear, N/O
0850	10.05			6.61	0.680	12.6	1.31	12.89		145.2	Clear, N/O
0855	10.05			6.47	0.713	4.9	0.56	12.32		153.0	Clear, N/O
0900	10.05			6.46	0.715	3.1	0.43	12.09		155.6	Clear, N/O
0905	10.05			6.44	0.712	2.8	0.40	12.09		156.0	Clear, N/O
0910	10.05			6.43	0.710	2.6	0.36	12.08		157.6	Clear, N/O
0915	10.05			6.45	0.709	2.0	0.34	12.20		155.0	Clear, N/O
0920	10.05			6.45	0.708	2.6	0.31	12.23		155.3	Clear, N/O
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-19 (R) Sample Time: 0920 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Rain ~ 55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-21 (OB)
Date: 5/10/12
Depth to Water (ftbtoc): 3.68
Depth to Bottom (ftbtoc): 9.55
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0645	3.68	250-300ml/m		Start Purge							Clear, strong odor
0650	3.96			6.27	0.865	45.2	1.14	11.96		-18.3	turbid, strong odor
0655	4.20			6.16	0.842	50.6	0.55	12.31		-6.6	" "
0700	4.40			6.20	0.817	39.8	1.23	12.70		-0.1	" "
0705	4.60			6.23	0.809	41.8	1.50	12.74		0.3	" "
0710	4.85			6.22	0.806	57.1	1.30	12.76		-3.5	" "
0715	5.25	≤ 100 ml/m		6.22	0.808	115.9	0.91	12.73		-7.1	" "
0720	5.80			6.17	0.826	195.4	0.75	12.71		-17.0	" "
0725	6.00			6.17	0.831	199.0	0.79	12.72		-22.1	" "
0730	6.35			6.16	0.849	195.0	1.09	12.63		-20.7	" "
0735	6.70			6.17	0.882	195.2	1.50	12.56		-22.2	" "
— Collect sample, Continuous draw down on rising turbidity. —											
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-21(OB) Sample Time: 0735 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Partly sunny – 55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): mid-screen

Well Identification: MW-21(R)
Date: 5/10/12
Depth to Water (ftbtoc): 8.45
Depth to Bottom (ftbtoc): 49.81
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0840	8.45	250-300 ml/m		Start Purge							
0845	8.70			5.99	0.339	0.1	2.14	14.19		4.3	Clear, mod. odor
0850	9.10			5.58	0.321	3.9	0.62	13.91		-1.3	Clear, mod odor
0855	9.15			5.56	0.320	4.6	0.46	13.49		-4.1	Clear, mod odor
0900	9.15			5.54	0.318	1.2	0.40	13.20		-5.5	clear, mod odor
0905	9.15			5.53	0.317	1.3	0.35	13.08		-6.1	clear, mod odor
0910	9.15			5.54	0.316	1.0	0.34	13.10		-7.1	clear, mod odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-21(R) Sample Time: 0910 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Clear ~50°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-22(OB)
Date: 5/4/12
Depth to Water (ftbtoc): 10.94
Depth to Bottom (ftbtoc): 15.15
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0650	10.94	200-300 ml/m		Start Purge							Turbid, n/o
0655	11.06			6.74	0.126	33.5	2.44	9.21		11.1	Sl. turbid, n/o
0700	11.06			6.26	0.096	26.1	2.35	9.12		46.2	Clearing, n/o
0705	11.06			6.07	0.091	23.6	2.51	9.10		60.6	Clearing, n/o
0710	11.06			5.93	0.085	20.9	2.73	9.07		80.8	" , "
0715	11.06			5.79	0.081	16.7	3.56	9.16		124.9	" , "
0720	11.06			5.73	0.080	12.6	3.70	9.20		140.6	" , "
0725	11.06			5.68	0.078	7.6	3.76	9.23		154.0	" , "
0730	11.06			5.63	0.077	4.8	3.85	9.28		167.9	" , "
0735	11.06			5.60	0.076	3.4	3.94	9.26		177.4	" , "
0740	11.06			5.58	0.076	3.1	3.93	9.25		178.8	" , "
0745	11.06			5.58	0.076	3.4	3.91	9.27		175.5	Clear, n/o
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-22(OB) Sample Time: 0745 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Clear, ~
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-22(R)
Date: 5/11/12
Depth to Water (ftbtoc): 10.70
Depth to Bottom (ftbtoc): 37.20
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0815	10.70	200-300ml/m		Start Purge							Clear, N/O
0820	12.00			10.81	0.276	3.2	2.02	9.98		-80.5	Clear, ~/o
0825	13.50			10.91	0.287	2.3	1.50	10.03		-79.9	Clear, N/O
0830	14.50			10.93	0.288	2.2	1.30	10.08		-76.2	Clear, N/O
0835	15.15			10.92	0.288	2.3	1.28	10.10		-76.0	Clear, N/O
0840	16.00			10.93	0.288	1.9	1.20	10.12		-74.2	Clear, N/O
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-22(R) Sample Time: 0840 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast 65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid. Screen

Well Identification: MW-23 (OB)
Date: 5/9/12
Depth to Water (ftbtoc): 13.65
Depth to Bottom (ftbtoc): 21.51
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information — ml/min

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1335	13.76	200		5.97	0.100	2.3	9.14	14.09		206.2	Clear No
1340	13.83			5.50	0.097	1.9	8.51	13.42		257.7	" "
1345	13.86			5.49	0.097	1.8	7.94	13.43		256.8	" "
1350	13.88			5.41	0.097	3.6	7.58	13.23		265.5	" "
1355	13.89			5.60	0.097	4.2	7.69	13.41		240.0	" "
1400	13.90			5.43	0.097	5.2	7.33	13.17		292.2	" "
1405	13.91			5.42	0.097	3.9	7.24	13.23		300.0	" "
1410	13.93			5.44	0.096	6.7	7.26	13.19		306.3	" "
1415	13.93			5.43	0.096	5.2	7.20	13.09		321.2	" "
1420	13.94			5.40	0.096	6.9	7.17	12.97		331.1	" "
1425	13.95			5.40	0.096	4.0	7.10	13.21		352.1	" "
1430	13.96			5.40	0.096	6.5	7.05	13.23		363.4	" "
1435	13.97	↓		5.45	0.095	6.1	7.31	12.97		285.6	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information — Sample Identity: MW-23 (OB) Sample Time: 1435 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Overcast / Rain
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid - Screen

Well Identification: MW-23(R)
Date: 5/10/12
Depth to Water (ftbtoc): 15.83
Depth to Bottom (ftbtoc): 47.74
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm) ml/min	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0720	16.10	200		7.38	0.215	6.4	1.53	11.93		60.3	Clear N/O
0725	18.29			7.37	0.214	8.7	0.60	11.70		49.1	" "
0730	19.12			7.33	0.214	10.4	0.48	11.68		49.9	" "
0735	20.02			7.36	0.212	12.8	0.40	11.72		49.5	" "
0740	20.93			7.41	0.211	56.6	0.36	11.70		26.8	Turbid N/O
0745	21.76			7.35	0.209	17.3	0.35	11.71		39.0	Sl. Turbid N/O
0750	22.45			7.33	0.208	33.8	0.33	11.69		42.0	" "
0755	23.17			7.28	0.206	16.3	0.33	11.70		43.7	" "
0800	23.78			7.28	0.205	30.4	0.33	11.74		38.1	" "
0805	24.46			7.24	0.202	15.1	0.32	11.82		34.8	" "
0810	24.97			7.20	0.201	13.6	0.32	11.80		32.5	" "
0815	25.67			7.12	0.196	8.3	0.34	11.81		40.3	" "
0820	26.23			7.07	0.196	11.1	0.35	11.83		41.7	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-23(R) Sample Time: 0820 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Partly Sunny 65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-24(OB)
Date: 5/10/12
Depth to Water (ftbtoc): 9.41
Depth to Bottom (ftbtoc): 17.47
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0935	9.41	250	ml/m	Start Purge							
0940	9.61			5.05	0.211	2.0	11.54	11.38		279.5	Clear N/O
0945	9.66			4.69	0.214	1.6	10.70	11.13		339.6	Clear N/O
0950	9.67			4.52	0.210	1.6	10.62	10.94		368.7	" "
0955	9.66			4.60	0.199	2.1	10.53	10.92		378.8	" "
1000				4.68	0.195	3.1	10.60	11.09		371.5	" "
1005				4.64	0.193	3.5	10.57	11.12		370.2	" "
1010				4.64	0.185	3.9	10.51	11.00		381.3	" "
1015				4.65	0.180	2.6	10.50	11.05		389.8	" "
1020				4.65	0.178	2.2	10.43	11.10		391.8	" "
1025				4.65	0.177	2.9	10.39	11.13		395.5	" "
1030				4.64	0.178	3.9	10.42	11.15		394.5	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-24(OB) Sample Time: 1035 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Partly Sunny 65°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-24 (R)
Date: 5/10/12
Depth to Water (ftbtoc): 10.33
Depth to Bottom (ftbtoc): 44.92
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1040	10.33	200	ml/m	Start Purge							
1045	13.28			6.57	1.998	15.3	5.64	11.32		331.5	Sl. Turbid N/O
1050	14.77			6.62	1.993	7.1	5.08	11.42		339.1	Clear N/O
1055	16.25			6.58	1.983	5.7	4.96	11.26		343.5	" "
1100	17.89			6.63	1.980	5.7	5.24	11.23		291.5	" "
1105	19.61			6.51	1.978	6.2	4.87	11.22		339.0	" "
1110	20.86			6.57	1.981	4.8	4.83	11.27		340.5	" "
1115	22.27			6.55	1.983	3.1	4.76	11.35		350.2	" "
1120	24.36			6.56	1.984	5.4	4.81	11.33		305.9	" "
1125	25.55			6.54	1.980	3.9	4.76	11.39		326.5	" "
1130	26.84			6.52	1.981	6.4	4.68	11.34		333.6	" "
1135	27.96			6.52	1.979	8.2	4.66	11.32		330.7	" "
1140	29.36			6.50	1.970	13.7	4.70	11.44		310.2	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-24(R) Sample Time: 1140 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Clear 55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-25(OB)
Date: 5/11/12
Depth to Water (ftbtoc): 5.48
Depth to Bottom (ftbtoc): 19.41
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0725	5.48	250	ml/m	start purge							
0730	5.51			6.21	1.025	76.1	2.83	11.39		172.2	Turbid N/O
0735	5.52			6.04	1.031	85.4	2.02	11.16		187.5	" "
0740	5.52			5.95	1.029	74.8	1.95	11.05		211.9	" "
0745				5.95	1.029	60.0	1.58	10.97		213.9	" "
0750				5.97	1.025	48.2	1.50	10.90		218.5	" "
0755				5.97	1.012	37.4	1.44	10.92		220.2	Sl. Turbid N/O
0800				5.94	0.987	27.0	1.43	10.97		216.6	" "
0805				5.94	0.979	23.1	1.44	11.05		219.9	" "
0810				5.92	0.949	18.9	1.43	10.97		222.3	" "
0815				5.91	0.939	13.6	1.42	11.09		223.6	" "
0820				5.91	0.928	8.0	1.45	11.07		222.2	Clear N/O
0825				5.91	0.931	8.9	1.41	11.10		227.2	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-25(OB) Sample Time: 0825 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Clear 55°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-Screen

Well Identification: MW-25(R)
Date: 5/11/12
Depth to Water (ftbtoc): 5.42
Depth to Bottom (ftbtoc): 41.60
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0900	5.42	250	N/A	start	purge						
0905	5.91			6.99	0.954	13.0	3.15	12.13		171.1	Sl. Turbid N/O
0910	5.98			7.33	0.946	12.3	0.68	11.68		144.6	" "
0915	6.02			7.47	0.942	16.0	0.30	11.62		132.4	" "
0920	6.04			7.51	0.940	14.6	0.26	11.73		126.0	" "
0925	6.06			7.55	0.939	15.7	0.25	11.74		120.3	" "
0930	6.08			7.55	0.938	17.6	0.23	11.77		117.7	" "
0935	6.09			7.57	0.939	21.1	0.22	11.76		116.6	" "
0940	6.09			7.57	0.938	32.0	0.21	11.83		114.0	" "
0945				7.58	0.938	53.1	0.18	11.92		104.7	Turbid N/O
0950				7.59	0.938	71.1	0.20	11.94		83.0	" "
0955				7.50	0.924	79.8	0.22	12.02		11.6	" "
1000				7.20	0.902	93.7	0.21	12.06			Very Turbid N/O
										-16.6	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-25(R) Sample Time: 1000 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Rain ~ 59°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-26(OB)
Date: 5/9/12
Depth to Water (ftbtoc): 6.21
Depth to Bottom (ftbtoc): 16.85
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1000	6.21	250mL/m-300mL		Start	Purge						clear,
1005	6.33			6.00	0.549	77.5	5.10	11.27		192.7	Turbid, N/O
1010	6.33			5.89	0.544	49.1	5.01	11.04		206.1	clearing, N/O
1015	6.33			5.89	0.543	43.6	4.97	11.27		207.7	clearing, N/O
1020	6.33			5.89	0.544	50.0	4.93	11.10		210.9	turbidity ↑, N/O
1025	6.33			5.88	0.543	47.1	4.95	11.01		216.3	clearing, N/O
1030	6.33			5.88	0.543	44.6	4.95	10.94		218.9	clearing, N/O
1035	6.33			5.88	0.543	36.9	4.92	11.06		218.0	clearing, N/O
1040	6.33			5.89	0.542	27.8	4.93	11.18		218.8	clearing, N/O
1045	6.33			5.89	0.543	19.7	4.92	11.26		221.0	clearing, N/O
1050	6.33			5.89	0.543	16.9	4.92	11.30		221.3	clearing, N/O
1055	6.33			5.89	0.543	10.3	4.92	11.29		220.9	clear, N/O
1100	6.33			5.89	0.542	10.2	4.94	11.30		220.3	clear, N/O
1105	6.33			5.89	0.543	9.4	4.96	11.26		216.5	clear, N/O
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-26(OB) Sample Time: 1105 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Rain ~60°F
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-26(R)
Date: 5/9/12
Depth to Water (ftbtoc): 6.02
Depth to Bottom (ftbtoc): 38.91
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1130	6.02	250-300 ml/m		Start Purge							
1135	6.48			6.65	0.665	3.8	1.92	12.23		174.6	Clear, n/o
1140	6.48			6.76	0.669	2.1	1.42	11.62		167.7	clear, n/o
1145	6.48			6.78	0.670	1.9	1.32	11.65		163.5	clear, n/o
1150	6.48			6.80	0.671	1.8	1.26	11.54		159.9	Clear, n/o
1155	6.48			6.79	0.667	1.8	1.77	11.44		157.6	clear, n/o
1200	6.48			6.75	0.658	1.7	2.20	11.26		158.7	clear, n/o
1205	6.48			6.65	0.637	1.6	3.02	11.52		162.1	clear, n/o
1210	6.48			6.57	0.627	1.6	3.27	11.36		163.0	clear, n/o
1215	6.48			6.48	0.615	1.5	3.79	11.48		168.0	Clear, n/o
1220	6.48			6.43	0.609	1.7	3.99	11.52		169.0	clear, n/o
1225	6.48			6.39	0.601	2.0	4.20	11.35		173.7	clear, n/o
1230	6.48			6.37	0.595	2.0	4.37	11.17		174.8	clear, n/o
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-26(R) Sample Time: 1230 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Size	Type
			Containers					
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

*MS/MSD Collected

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Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Clear, ~
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-27(OB)
Date: 5/11/12
Depth to Water (ftbtoc): 9.10
Depth to Bottom (ftbtoc): 18.10
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1000	9.10	200-300	ml/m	Start	Purge						
1005	9.36			6.92	0.130	11.7	2.23	10.95		206.7	clear, n/o
1010	9.55			5.46	0.116	4.0	1.62	10.67		253.8	clear, n/o
1015	9.55			5.28	0.113	2.7	1.64	10.65		272.3	clear, n/o
1020	9.55			5.21	0.111	2.3	1.58	10.74		281.2	clear, n/o
1025	9.55			5.24	0.110	1.3	1.51	10.87		283.6	clear, n/o
1030	9.55			5.20	0.109	1.9	1.56	10.88		282.1	clear, n/o
1035	9.55			5.22	0.110	1.8	1.58	10.85		277.0	clear, n/o
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: ~~MW~~ MW-27(OB) Sample Time: 1035 TRC Personnel: Paul C. & Zach P.

Analysis	Number	Size	Type		Analysis	Number	Containers Size	Containers Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.00000.00003
Site Name / Location: Scofieldtown Landfill
Site Conditions / Weather: Clear + windy
Purge Method: Low-Flow
Purge Equipment/Material: Peristaltic pump or Bladder pump, YSI, water level, tygon and silicon tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-27(R)
Date: 5/11/12
Depth to Water (ftbtoc): 9.75
Depth to Bottom (ftbtoc): 55.20
Standing Column (ft):
Well Diameter (in): 2"
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (ºC)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1125	9.75	200-300 ml/m		Start Purge							Clear, n/o
1130	10.80			6.56	0.496	3.6	3.30	12.84		136.6	clear, n/o
1135	11.85			6.86	0.526	3.2	0.87	12.29		114.9	clear, n/o
1140	12.90			6.96	0.536	3.1	0.64	12.97		109.6	" "
1145	14.15			7.01	0.534	3.7	0.45	11.67		114.4	" "
1150	15.00			7.02	0.534	3.6	0.44	11.73		116.8	" "
1155	16.00			7.04	0.535	3.8	0.44	11.77		119.0	" "
1200	16.55			7.03	0.534	3.7	0.42	11.69		123.0	" "
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-27(R) Sample Time: 1200 TRC Personnel: Paul C. & Zach P.

Containers

Analysis	Number	Size	Type		Analysis	Number	Size	Type
VOCs	2	VOA	Glass/	HCL/Ice	Total Dissolved Solids	1	500ml	Plastic/Ice
SVOCs	1	L	Glass/	Ice	Total Suspended Solids	*	*	*
ETPH	1	L	Glass/	Ice	Alkalinity	*	*	*
PCBs	1	L	Glass/	Ice	Hardness	*	*	*
Pesticides	1	L	Glass/	Ice	Ammonia(as Nitrogen)	*	*	*
Heribicides	1	L	Glass/	Ice	Nitrate(as Nitrogen)	*	*	*
Total Priority Pollutant metals	1	250ml	Plastic/	Nitric/Ice	Chlorides & Sulfates	*	*	*
Ammonia(as Nitrogen)	1	250ml	Plastic/	Sulfuric/Ice	Potassium	*	*	*
Total Disolved Iron	1	250ml	Plastic/	Ice	Sodium	*	*	*
Total Disolved Manganese	*	*	*	*	BOD	*	*	*

*= All included in the same container

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: MW-010B, Sunny 55°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~35

Well Identification: MW-010B
Date: 8/30/12
Depth to Water (ftbtoc): 33.85
Depth to Bottom (ftbtoc): 36.51
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0732	—	220		7.32	32710	3.80	0.29	13.74		374	clear, petro odor
0734	—			7.30	32740	2.66	0.19	13.70		250	
0736	—			7.30	32750	2.40	0.18	13.68		196	
0738	—			7.30	32750	2.64	0.14	13.63		196	
0749	—			7.73	32770	4.99	0.10	13.65		6	
0801	—			7.92	32760	3.61	0.04	13.67		-126	
~~0812~~	—			~~7.98~~	32760		~~0.03~~	~~13.68~~		~~-146~~	
0813				8.00	32760		0.03	13.68		-146	
0821				8.01	32750		0.01	13.70		-152	All but DO Stabilized
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-010B
Sample Time: 0845
TRC Personnel:

DUP MW-01AOB

Containers: ~~MW-010B~~ 01AOB 0915

Analysis	Size	Type	Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 55°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump, Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-1R
Date: 8/30/12
Depth to Water (ftbtoc): 34.16
Depth to Bottom (ftbtoc): 66.44
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other —	ORP (mV)	Comments / Observations (color, odor, etc.)
0740	36.31	300		6.22	6344		3.52	13.45		-27	
0744				6.26	6143	15.3	4.76	13.41		-21	clear
0748				6.28	6079	16.6	4.32	13.39		-21	
0750				6.29	6084	15.6	4.21	13.38		-22	
0753				6.30	6110	16.1	4.27	13.38		-24	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-1R Sample Time: 0815 TRC Personnel: A. Gomillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~38.5

Well Identification: MW-20B
Date: 8/31/12
Depth to Water (ftbtoc): 34.47
Depth to Bottom (ftbtoc): 41.82
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
10:16	34.61	320		6.66	1258	51.5	0.18	15.72		-66	sl turbid
				6.68	1259	19.4	0.05	15.53		-79	
				6.68	1267	150	0.04	15.44		-82	clear sl odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

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Sampling Information Sample Identity: MW-20B Sample Time: 1048 TRC Personnel:

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~60

Well Identification: MW-2R
Date: 8/31/12
Depth to Water (ftbtoc): 34.10
Depth to Bottom (ftbtoc): 64.60
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 55-65

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0922	34.20	340	3	7.15	775.6	33.4	2.94	17.43		-86	sl turbid mod odor
				6.64	808.2	16.4	0.20	15.26		-74	
				6.62	817.2	13.2	0.09	15.16		-75	
				6.61	826.6	4.89	0.06	15.16		-75	clear sl odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-2R Sample Time: 1005 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 71°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 14' (approx)

Well Identification: MW-3(OB)
Date: 8/29/12
Depth to Water (ftbtoc): 11.40
Depth to Bottom (ftbtoc): 15.08
Standing Column (ft): 3.68
Well Diameter (in): 2
Standing Volume (gal,liter): .58
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1204	11.40	200 lpm		7.28	838.5	10.31	2.76	21.01		-72	Susp. Solids, mod odor
1207	12.15			7.31	828.5	9.17	0.31	19.54		-71	
1210	12.48			7.31	815.5	2.55	0.13	19.61		-1	clear, slt odor
1213	12.65			7.35	823.4	1.90	0.08	19.60		-63	
1216	12.70			7.37	821.3	1.73	0.10	19.61		-48	
1219	12.77			7.37	829.1	1.90	0.13	19.55		-68	
1221	12.85			7.38	840.4	1.74	0.18	19.51		-72	
1224	12.83			7.38	852.6	1.86	0.19	19.52		-74	
1227	12.76			7.39	879.8	2.57	0.20	19.56		-61	
1230	12.77			7.40	908.1	2.07	0.19	19.45		-56	
1233	12.80			7.40	936.9	2.33	0.19	19.45		-68	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-3OB Sample Time: 1310 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 71°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm): 14' (approx)
Pump Intake (ftbtoc):

Well Identification: MW-3 (OB)
Date: 8/29/12
Depth to Water (ftbtoc): 11.40
Depth to Bottom (ftbtoc): 15.08
Standing Column (ft): 3.68
Well Diameter (in): 2
Standing Volume (gal,liter): .58
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
12 1236	12.73	200 ml/m		7.40	961.6	2.17	~~961.6~~	19.55		-72	clear, slt odor
1239	12.77			7.41	986.6	2.80	0.18	19.52		-75	
1242	12.80			7.41	1007	2.36	0.16	19.49		-77	
1245	12.79			7.40	1022	2.01	0.16	19.52		-79	
1248	12.78			7.41	1053	2.13	0.14	19.50		-80	
1251	12.80			7.41	1060	2.73	0.13	19.48		-82	
1254	12.77			7.40	1077	2.13	0.11	19.50		-84	
1259	12.74			7.40	1092	2.51	0.11	19.52		-85	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-3 (OB) Sample Time: 1310 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 71°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 56.81 (approx.)

Well Identification: MW-3(R)
Date: 8/29/12
Depth to Water (ftbtoc): 21.28
Depth to Bottom (ftbtoc): 66.81
Standing Column (ft): 45.53
Well Diameter (in): 2
Standing Volume (gal,liter): 7.28
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1341	21.28	135 ml/m		7.37	699.2	3.77	3.59	19.92		-28	clear, mod. odor
1344	21.88			7.47	699.1	4.66	0.49	15.65		-29	
1347	22.18			7.45	700.4	3.08	0.24	15.20		-32	
1350	22.22			7.44	700.1	2.52	0.20	15.20		-36	
1353	22.27			7.42	700.4	2.91	0.18	15.19		-38	
1356	22.34			7.42	708.2	2.57	0.15	15.06		-41	
1359	22.39			7.40	712.2	1.77	0.13	14.88		-45	
1302	22.32			7.37	752.2	1.55	0.14	15.10		-43	
1305	22.29			7.33	760.1	1.70	0.14	15.20		178	
1308	22.21			7.31	760.8	0.69	0.15	15.41		-44	
1311	22.22			7.31	759.2	1.37	0.16	15.63		-52	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-3(R) Sample Time: 1500 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 71°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 56.81 (approx

Well Identification: MW-3 (R)
Date: 8/29/12
Depth to Water (ftbtoc): 21.28
Depth to Bottom (ftbtoc): 66.81
Standing Column (ft): 45.53
Well Diameter (in): 2
Standing Volume (gal,liter): 7.28
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1314	22.30	135 ml/m		7.30	758.8	0.88	0.14	15.49		104	clear, mod. odor
1317	22.40			7.31	757.8	0.86	0.09	14.94		-19	
1320	22.45			7.32	753.7	0.96	0.08	14.70		-19	
1323	22.50			7.33	754.9	0.52	0.08	14.68		-29	
1326	22.57			7.33	758.4	0.78	0.07	14.53		-18	
1329	22.68			7.34	757.7	0.92	0.08	14.66		-27	
18 1332	22.59			7.35	763.7	0.92	0.07	14.63		-35	
1335	22.64			7.35	762.5	1.02	0.07	14.52		-47	
1338	22.66			7.35	759.4	1.02	0.06	14.34		16	
1341	22.61			7.34	763.1	1.06	0.08	14.73		-38	60min, DO + ORP
1344											did NOT Stabilize
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-3 (R) Sample Time: 1500 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Cloudy
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): mid-screen

Well Identification: MW-04OB
Date: 9/4/17
Depth to Water (ftbtoc): 12.03
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1430	12.03	150-200 ml/min		Start	Purge						clear, No
1433	12.33			7.33	1.728	2.34	0.35	22.55		130	clear, No
1436	12.35			7.46	1.717	3.18	0.48	22.96		127	clear, No
1439	12.35			7.23	1.709	1.50	0.90	22.63		105	clear, No
1442	12.35			7.41	1.706	1.71	1.10	22.73		83	clear, No
1445	12.35			7.82	1.708	1.28	1.33	22.98		67	clear, No
1448	12.35			7.28	1.709	0.84	1.68	22.94		61	clear, No
1451	12.35			7.19	1.701	1.00	1.88	22.89		60	clear, No
1454	12.35			7.35	1.693	0.81	1.94	22.87		62	clear, No
1457	12.35			7.14	1.686	0.80	2.00	22.92		64	clear, No
1500	12.35			7.53	1.703	0.83	2.32	23.02		67	clear, No
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-04OB
Sample Time: 1530
TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Cloudy
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-04OB
Date: 9/4/12
Depth to Water (ftbtoc): 12.03
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1503	12.35			7.15	1.685	0.77	2.48	23.40		67	Clear, no
1506	12.35			8.18	1.686	0.69	2.56	23.47		69	
1509	12.35			7.20	1.691	0.70	2.53	23.47		70	
1511	12.35			7.54	1.675	1.04	2.29	23.35		71	
1514				7.23	1.685	1.00	2.62	23.49		72	
1517				7.45	1.674	1.06	2.37	23.74		74	
1520				6.94	1.676	0.29	2.71	24.42		76	
1523				6.79	1.679	0.37	2.52	24.80		78	
1526				6.77	1.676	0.21	2.52	24.28		80	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-04OB Sample Time: 1530 TRC Personnel: RC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Cloudy
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): mid-screen

Well Identification: MW-04R
Date: 9/4/12
Depth to Water (ftbtoc): 12.10
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1550	12.10	150-200 ml/min		Start purge							
1553	12.10			6.83	~~6.67~~	2.94	0.30	20.32		228	Clear, n/o
1556				6.92	—	2.13	0.25	21.30		187	Clear, n/o
1559				6.85	—	2.00	0.19	20.57		186	Clear, n/o
1602				6.82	—	0.42	0.15	20.12		183	Clear, n/o
1605				6.79	—	0.76	0.15	20.57		184	Clear, n/o
1608				6.76	—	0.94	0.26	20.42		193	Clear, n/o
1611				6.78	—	0.70	0.45	19.29		193	
1614				6.99	—	0.54	0.61	18.95		184	
1617				7.02	—	0.50	0.69	18.76		185	
1620				6.86	—	0.60	0.75	19.16		186	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-04R Sample Time: 1620 TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 30'

Well Identification: MW-5R
Date: 8/29/12
Depth to Water (ftbtoc): 14.74
Depth to Bottom (ftbtoc): 36.54
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 26.54-36.54

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other NA	ORP (mV)	Comments / Observations (color, odor, etc.)
0645	14.96	300		6.01	118.5	32.1	2.34	12.83		211	clear N/O
0648	14.96	300		6.04	122.7	21.4	1.99	12.67		204	
0651	14.95	300		6.03	121.1	11.9	1.82	12.65		203	
0654	14.95	300		6.00	119.7	8.31	1.76	12.57		207	
0657	14.95	300		5.99	119.7	5.93	1.69	12.54		210	
0700	14.95	300		5.99	119.5	3.48	1.64	12.53		213	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-5R Sample Time: 0705 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	MS/MSD
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 34

Well Identification: MW-60B
Date: 8/30/12
Depth to Water (ftbtoc): 31.71
Depth to Bottom (ftbtoc): 37.46
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 28-38

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other —	ORP (mV)	Comments / Observations (color, odor, etc.)
1440	31.85	336		6.54	1910	16.5	2.12	24.34		-77	Yellow tint sl odor
3											
6											
9				6.54	1985	6.23	0.36	19.72		-104	
				6.54	2000	4.00	0.23	19.53		-109	
1528				6.53	2025	2.69	0.06	19.32		-119	
1531											
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-60B Sample Time: 1535 TRC Personnel:

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 88

Well Identification: MW-6(R)
Date: 8/30/02
Depth to Water (ftbtoc): 42.6
Depth to Bottom (ftbtoc): 92.71
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 83-93

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1551	42.74	220		7.12	2653	13.1	0.31	18.68		-119	
	42.65			6.87	3083	11.89	0.15	18.13		-95	
				6.81	3230	11.7	0.19	17.96		-88	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-6R
Sample Time: 1620
TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: _____
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm): _____
Pump Intake (ftbtoc): _____

Well Identification: MW-90B
Date: 8/31/12
Depth to Water (ftbtoc):
Depth to Bottom (ftbtoc): 32.15
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
				WELL DRY							
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: _____ Sample Time: _____ TRC Personnel: _____

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~77

Well Identification: MW-9R
Date: 8/31/12
Depth to Water (ftbtoc): 38.87
Depth to Bottom (ftbtoc): 81.7
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 82-72

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0655	40.0	152		7.60	439.8	46.9	3.16	16.38		93	Sl turbid N/O
	42.54			8.78	476.8	30.6	0.36	14.34		-126	
	47.48					20.0					
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: _____ Sample Time: _____ TRC Personnel: _____

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-9R
Date:
Depth to Water (ftbtoc):
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
12	46.78			8.79	494.5	13.6	0.32	14.05		-140	
	49.35			8.79	486.5	12.57	0.24	14.57		-149	
				8.77	482.8	11.02	0.19	15.11		-152	
	51.5			8.76	484.3	10.43	0.18	16.64		-151	
				8.78	489.9	7.66	0.20	15.19		-157	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-9R
Sample Time: 0800
TRC Personnel:

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 60/78°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 38.00 (approx.)

Well Identification: MW-10R
Date: 8/29/12
Depth to Water (ftbtoc): 23.90
Depth to Bottom (ftbtoc): 39.82
Standing Column (ft): 15.92
Well Diameter (in): 2
Standing Volume (gal,liter): 2.54
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0800	23.90	300 lpm		6.67	3640	6.72	0.75	18.31		69	Clear, N/O
0804	24.25	150 lpm		6.69	3702	4.96	0.76	14.29		66	
0807	24.29			6.40	3700	3.73	0.39	14.25		-76	
0810	24.31			6.31	3695	4.28	0.37	14.23		-154	
0813	24.31			6.32	3691	4.78	0.32	14.31		-197	
0816	24.31			6.31	3685	5.64	0.30	14.35		-215	
0820	24.33			6.42	3672	3.58	0.29	14.27		-226	
0823	24.33			6.47	3627	2.84	0.27	14.38		-226	
0826	24.31			6.72	3515	2.80	0.25	14.44		-236	
0829	24.33			6.64	3453	2.85	0.24	14.52		-229	
0832	24.34			6.79	3463	1.93	0.23	14.37		-229	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-10R Sample Time: 0905 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 60/75°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 38' (approx)

Well Identification: MW-10R
Date: 8/29/12
Depth to Water (ftbtoc): 23.90
Depth to Bottom (ftbtoc): 39.82
Standing Column (ft): 15.92
Well Diameter (in): 2
Standing Volume (gal,liter): 2.54
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
	0835	24.38	150 lpm		6.97	3473	2.44	0.22	14.43		-202	clear, n/o
13	0838	24.38			7.09	3477	2.79	0.20	14.37		-152	
	0841	24.39			7.17	3481	2.54	0.19	14.30		-129	
	0844	24.41			7.22	3493	1.74	0.19	14.30		-115	
16	0847	24.41			7.29	3489	1.67	0.17	14.27		-104	
	0850	24.42			7.31	3495	1.33	0.17	14.30		-94	
	0853	24.42			7.33	3497	1.84	0.16	14.23		-85	
	3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-10R Sample Time: 0905 TRC Personnel: A Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 70°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-11 (OB)
Date: 8/29/12
Depth to Water (ftbtoc): 14.82
Depth to Bottom (ftbtoc): 15.10
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1128	14.82			7.59	2445		2.63	19.41		-67	
1130	DRY										
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

NO SAMPLE

Sampling Information Sample Identity: _____ Sample Time: _____ TRC Personnel: _____

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 70°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 33.00 (approx.)

Well Identification: MW-11R
Date: 8/29/12
Depth to Water (ftbtoc): 18.87
Depth to Bottom (ftbtoc): 34.70
Standing Column (ft): 15.43
Well Diameter (in): 2
Standing Volume (gal,liter): 2.53
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1001	18.87	200 lpm		7.67	820.9	3.44	1.62	18.84		-153	Clear, N/O
1004	18.90			7.84	737.8	5.53	0.50	13.68		-235	
1007	18.91			7.61	411.5	5.11	0.37	13.65		-176	
1010	18.92			7.45	402.9	1.62	0.30	13.78		367	
1013	18.92			7.45	400.2	1.38	0.39	13.55		203	
1016	18.94			7.45	400.6	1.02	0.51	13.76		154	
1018	18.95			7.41	399.6	1.56	0.60	13.71		114	
1021	18.97			7.40	400.4	2.22	0.67	13.63		89	
1024	18.97			7.36	401.3	1.18	0.66	13.60		68	
1027	18.97			7.35	400.6	1.06	0.69	13.54		51	
1030	18.99			7.35	400.7	1.26	0.72	13.61		138	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-11R Sample Time: 1050 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 70°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 33.00 (approx)

Well Identification: MW-11R
Date: 8/29/12
Depth to Water (ftbtoc): 18.87
Depth to Bottom (ftbtoc): 34.70
Standing Column (ft): 15.43
Well Diameter (in): 2
Standing Volume (gal,liter): 2.53
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1033	19.00	200 lpm		7.35	398.0	1.23	0.74	13.60		94	Clear, N/O
1037	19.00			7.36	399.3	0.67	0.75	13.57		82	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-11R Sample Time: 1050 TRC Personnel: A Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Rain
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): mid-screen

Well Identification: MW-120B
Date: 9/5/12
Depth to Water (ftbtoc): 11.49
Depth to Bottom (ftbtoc): 15.61
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1	1059	11.49	240 ml/m		9.32	247.8	6.32	1.20	18.97		-50	Clear, no
3	1104	11.54			8.87	237.6	4.76	0.14	16.71		-56	
6	1114	11.54			8.74	237.0	3.68	0.10	16.24		-[illegible]	
9	1123	11.54			8.69	237.0	2.01	0.07	16.20		-[illegible]	
12	1129	11.54			8.67	236.2	1.46	0.05	16.15		-[illegible]	
3@3-5 m.					+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-120B Sample Time: 1130 TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Cloudy / rain
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-12R
Date: 9/5/12
Depth to Water (ftbtoc): 12.84
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1	1142	11.84	140 ml/min		9.40	212.7	2.56	0.38	18.32		102	clear, no
3	1147	14.26	|		9.67	213.4	2.93	0.21	18.63		120	|
6	1157	15.40	|		9.60	213.1	2.11	0.17	17.88		126	|
3@3-5 m.					+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-12R Sample Time: 1200 TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: _____
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm): _____
Pump Intake (ftbtoc): _____

Well Identification: MW-130B
Date: 8/31/12
Depth to Water (ftbtoc): 23.62
Depth to Bottom (ftbtoc): 23.23
Standing Column (ft): _____
Well Diameter (in): 2
Standing Volume (gal,liter): _____
Screened Interval (ftbtoc): _____

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
			Insufficient		water		for	purge	or	sample	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: _____ Sample Time: _____ TRC Personnel: _____

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 55

Well Identification: MW-13
Date: 8/31/12
Depth to Water (ftbtoc): 32.21
Depth to Bottom (ftbtoc): 59.26
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 55-60

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other N/A	ORP (mV)	Comments / Observations (color, odor, etc.)
1155	33.17	300		7.14	477	109.9	1.74	19.55		48	Mod turb sl odor
1211	33.40			6.03	506.9	28.7	0.13	15.26		80	sl turbid sl odor
1225				6.01	503.2	19.6	0.08	15.33		95	
1243	33.50			6.00	503.1	11.29	0.06	15.23		84	
1305	33.55			6.00	505.5	7.62	0.04	15.21		90	Clear
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-13 Sample Time: 1305 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~34

Well Identification: MW-140B
Date: 8/30/12
Depth to Water (ftbtoc): 30.90
Depth to Bottom (ftbtoc): 37.7
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 28-38

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1043	31.08	312		6.97	2137	30.5	1.45	23.36		-72	DK Gray S/ odor
46											
49											
52	31.10	312		7.01	2191	8.37	0.32	19.68		-111	Clear S/odor
55											
58											
1101											
04											
07											
10											
13				7.04	2187	5.35	0.26	19.64		-120	Clear S/odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-140B Sample Time: 1115 TRC Personnel:

DUP ~~MW-14~~ MW-14A0B 1145

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~91

Well Identification: MW-14R
Date: 8/30/17
Depth to Water (ftbtoc): 92.16
Depth to Bottom (ftbtoc): 95.81
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 86-96

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1125	42.31	170		6.92	2707	6.38	1.98	20.45		-100	clear sl odor
28											
31											
34											
37											
40											
43						5.34					
46											
49											
52											
1201	42.44			6.77	2816		0.12	18.48		-113	clear sl odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-14R Sample Time: 1205 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-15R
Date: 9/5/12
Depth to Water (ftbtoc): 15.43
Depth to Bottom (ftbtoc): 38.65
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other NM	ORP (mV)	Comments / Observations (color, odor, etc.)
1017	17.80	240		6.60	562.1	16.3	2.05	17.70		191	clear n/o
	19.37	172		6.61	576.4	14.6	0.25	16.48		189	
	23.50			6.61	575.8	8.03	0.25	16.26		172	clear n/o
				6.62	578.7	9.28	0.26	15.98		169	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

3
10
12

Sampling Information Sample Identity: MW-15R Sample Time: 1055 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~21

Well Identification: MW-B013
Date: 8/29/12
Depth to Water (ftbtoc): 18.54
Depth to Bottom (ftbtoc): 22.20
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1441	18.94	220		6.48	2549	2.88	0.21	17.00	—	65	Clear sl odor
											sl turbid
	19.38	220		6.45	3147	20.5	0.14	16.68		91	Clear sl odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-160B Sample Time: 1515 TRC Personnel: CCarlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 80s
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 44

Well Identification: MW-16R
Date: 8/29/12
Depth to Water (ftbtoc): 19.33
Depth to Bottom (ftbtoc): 48.71
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 39-49

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other —	ORP (mV)	Comments / Observations (color, odor, etc.)
1401	18.92	400		6.94	1552		2.36	20.86		78	clear sl odor
1404											
7											
10											
13											
16											
19											
22	1900	400		5.87	3098	5.23	0.14	13.75		103	clear sl odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-16R Sample Time: 1425 TRC Personnel: E. Carlson

MS/MSD

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 66°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 20' (approx.)

Well Identification: MW-17 (OB)
Date: 8/30/12
Depth to Water (ftbtoc): 18.86
Depth to Bottom (ftbtoc): 22.60
Standing Column (ft): 3.74
Well Diameter (in): 2
Standing Volume (gal,liter): .59
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1141	18.86	200 ml/m	+/-	8.19	2306	38.7	3.39	21.11		-104	susp. solids, odor
1144	18.99			7.96	2333	19.4	0.26	20.18		-112	" "
1146	19.02			7.98	2331	11.85	0.14	20.18		-117	" "
1149	19.04			8.00	2334	9.78	0.13	20.20		-117	tr susp solids, odor
1152	19.04			8.01	2337	10.74	0.11	20.21		-116	" "
1155	19.04			8.02	2337	11.75	0.10	20.19		-116	" "
1158	19.04			8.02	2337	6.04	0.09	20.20		-117	" "
1201	19.04			8.03	2338	17.2	0.08	20.20		-116	" "
1204	19.04			8.04	2364	12.72	0.07	20.15		-131	" "
1207	19.04			8.04	2194	10.89	0.07	20.28		-119	" "
1210	19.04			8.04	2176	12.90	0.07	20.28		-117	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-17OB Sample Time: 1245 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 66°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm): 20 (approx)
Pump Intake (ftbtoc): ↓

Well Identification: MW-17 (OB)
Date: 8/30/12
Depth to Water (ftbtoc): 18.86
Depth to Bottom (ftbtoc): 22.60
Standing Column (ft): 3.74
Well Diameter (in): 2
Standing Volume (gal,liter): .59
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1213	19.04	200 ml/m	+/-	8.05	2167	13.83	0.06	20.37		-117	tr susp. solids, odor
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-17OB Sample Time: 1245 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 66°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 74' (approx)

Well Identification: MW-17(R)
Date: 8/30/12
Depth to Water (ftbtoc): 18.52
Depth to Bottom (ftbtoc): 78.55
Standing Column (ft): 60.03
Well Diameter (in): 2
Standing Volume (gal,liter): 9.60
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1050	18.52	200 ml/m +/-		8.10	1524	8.80	2.94	19.00		-95	clear, Mod odor
1053	21.35			8.08	1529	2.42	0.33	17.47		-133	clear, odor
1056	22.32			8.06	1531	1.67	0.26	17.61		-147	
1059				8.05	1532	1.35	0.24	17.67		-153	
1102	24.35			8.05	1532	1.21	0.22	17.69		-157	
1105	24.95			8.05	1535	1.63	0.19	17.95		-161	
1108	25.50			8.05	1534	1.39	0.19	18.03		-163	
1111	26.41			8.05	1535	1.25	0.18	18.10		-166	
1114											
1117											
1120											
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-17R Sample Time: 1130 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 80°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 12' (approx

Well Identification: MW-18(OB)
Date: 8/30/12
Depth to Water (ftbtoc): 10.98
Depth to Bottom (ftbtoc): 14.70
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1501	10.98	200 ml/m		8.41	921.6	23.9	1.77	17.84		-110	clear/ susp solids, odor
1504	11.94			8.25	918.1	17.6	0.30	16.43		-115	
1510	13.02			8.11	917.3		0.18	16.06		-119	
1513	13.25			8.09	913.4	15.7	0.14	16.22		-120	
1516	12.67			7.98	1,650	12.0	2.69	17.09		-101	stop - changed pumps
1519	12.72			7.91	981.5		4.21	18.49		-93	clear, odor
1521				8.01	963.8	16.1	0.42	16.52		-108	
1524	12.76			7.92	970.7	12.8	0.16	16.65		-113	
1529	12.79			7.90	959.2	11.6	0.12	16.81		-115	
1532	12.81			7.85	972.2	12.61	0.11	16.40		-117	
1536				7.85							Stabilized - see rpt
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-18OB Sample Time: 1600 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 75°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 50' (approx.)

Well Identification: MW-18(R)
Date: 8/30/12
Depth to Water (ftbtoc): 9.48
Depth to Bottom (ftbtoc): 52.51
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1403	9.48	800 ml/m		8.50	592.2	18.5	1.09	16.28		-118	clear, odor
1406	10.60	↓		8.46	595.0	6.12	0.20	15.92		-132	↓
1409	11.60	↓		8.37	595.8	3.89	0.15	15.82		-138	↓
1412	12.39	130 ml/m		8.33	619.7	4.23	0.14	16.03		-142	↓
1415	12.82	↓		8.30	599.1	3.92	0.14	15.84		-145	↓
1418	13.30	↓		8.28	600.8	2.31	0.13	15.76		-147	↓
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-18R Sample Time: 1445 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~33

Well Identification: MW-19R
Date: 9/5/12
Depth to Water (ftbtoc): 11.25
Depth to Bottom (ftbtoc): 38.40
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other —	ORP (mV)	Comments / Observations (color, odor, etc.)
1218	11.57	312		6.54	792.3	5.01	2.98	16.63		183	clear n/o
	11.64			6.41	791.0	2.49	0.09	13.53		207	
	11.64			6.41	790.8	4.85	0.07	13.64		208	
											clear n/o
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-19R Sample Time: 1230 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 80s
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~7.5'

Well Identification: MW-21(OB)
Date: 8/28/12
Depth to Water (ftbtoc): 5.36
Depth to Bottom (ftbtoc): 9.55
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	~~Other~~	ORP (mV)	Comments / Observations (color, odor, etc.)
	6.00	.166		5.87	1202	16.4	0.48	20.86		-39	slightly turbid yellow
				~~5.90~~	~~1177~~					~~-90~~	slight odor
	7.69			5.90	1177		0.23	20.74		-90	
	7.52			5.92	1118		0.19	21.30		-104	
	8.70										
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-21OB Sample Time: 1530 TRC Personnel: C. Cotson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	collected over several recharges
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

1/2

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 85°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 48.10

Well Identification: MW-2(B)
Date: 8/28/12
Depth to Water (ftbtoc): 12.08
Depth to Bottom (ftbtoc): 49.81
Standing Column (ft): 36.9
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 39.81

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1	1452	12.91	300 lpm		6.62	372.6	1.53	0.62	14		-5	clear, slt odor
2	1458											
3	1459	13.10			6.83	373	2.00	0.26	13.80		-7	
4	1501	13.06			6.90	373.2	1.48	0.13	13.69		-8	
5	1505	13.11			7.04	371.9	3.80	0.12	13.71		-9	
6	1507	13.20			7.04	371.4	10.06	0.10	13.58		-8	
7	1510	13.25			7.17	355.1	2.08	0.12	13.58		-10	
8	1514	13.25			7.14	353.1	3.73	0.09	13.59		-10	
9	1517	13.25			7.18	351.6	2.34	0.09	13.66		-10	
10	1520	13.25			7.15	351.4	2.53	0.09	13.68		-11	
11	1524	13.28			7.15	351.2	3.94	0.07	13.57		-12	
	3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: _____ Sample Time: _____ TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 85°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 48.10

Well Identification: MW-21(R)
Date: 8/28/12
Depth to Water (ftbtoc): 12.08
Depth to Bottom (ftbtoc): 49.81
Standing Column (ft): 36.9
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): 39.81

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
12	1527	15.32	300 lpm		7.20	352.2	3.04	0.08	13.72		-12	clear, slt odor
13	1530	15.29	↓		7.16	350.0	1.95	0.09	13.72		-13	
14				3.5 gal								
15												
16												
17												
18												
19												
20												
21												
22												
	3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-21R
Sample Time: 1540
TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Clear 70s
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm): NA
Pump Intake (ftbtoc): ~15.15

Well Identification: MW-22 OB
Date: 8/29/12
Depth to Water (ftbtoc): 14.92
Depth to Bottom (ftbtoc): 15.15
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
—		Insufficient	Water	for	purge	or	sample				—
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: —
Sample Time: —
TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~32

Well Identification: MW-22R
Date: 8/29/12
Depth to Water (ftbtoc): 15.91
Depth to Bottom (ftbtoc): 39.20
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc): ~27-37

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0907	16.46	136		6.71	255.4	2.38	2.41	16.93		207	clear n/a
0910	16.91			6.71	255.4					207	
0913	17.24			7.61	260.1	2.27	0.44	13.34		193	
0916	17.74			7.72	260.6		0.34	13.09		189	
0919											
0922											
0925	18.14			7.81	258.4	3.17	.25	12.70		176	
0929	19.25			8.07	257.8	4.17	0.23	12.83		167	
0931	19.30			8.06	250.6	3.83	0.25	12.89		158	
0933	19.46			8.13	250.2	2.14	0.26	12.99		154	
0936	19.53			8.20	244.2	1.64	0.25	13.00		141	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: _____ Sample Time: _____ TRC Personnel: _____

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~32'

Well Identification: MW-22R
Date: 8/29/12
Depth to Water (ftbtoc):
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0939	19.68	136		8.00	247.1	1.14	0.25	12.91		133	
0942	19.83			7.80	249.9	3.10	0.24	12.88		125	
0945	19.91			7.66	249.6	3.91	0.24	12.82		115	
0948	20.06			7.51	252.3	4.36	0.23	12.85		108	
0951	20.10			7.43	251.3	2.84	0.24	12.85		100	
0954	20.14			7.38	250.3	3.25	0.25	12.83		95	
0957	20.18			7.36	251.0	3.33	0.25	12.81		90	
1000	20.			7.33	249.1	3.18	0.26	12.81		85	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-22R Sample Time: 1000 TRC Personnel: C. Carlson

Analysis		Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	2	40 ml	VOA	Hcl	Total Dissolved Solids 11	1L Plastic Ice	
SVOCs	3	1L	Amber	Ice	Total Suspended Solids		
ETPH	4	1L	Amber	Ice	Alkalinity		
PCBs	5	1L	Amber	Ice	Hardness		
Pesticides	6	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	7	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	8	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	9	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	10	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~19

Well Identification: MW-230B
Date: 8/29/12
Depth to Water (ftbtoc): 17.17
Depth to Bottom (ftbtoc): 81.51
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1052	17.25	196		6.39	49.1	—	6.76	36.64		401	
						1.06					
	17.35	232		5.66	106.5	1.26	3.31	15.87		268	clear N/O
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW230B Sample Time: 1120 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~32

Well Identification: MW-23 B
Date: 8/29/12
Depth to Water (ftbtoc): 18.94
Depth to Bottom (ftbtoc): 42.74
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other N/A	ORP (mV)	Comments / Observations (color, odor, etc.)
1130	19.90	.188		6.82	59.35	15.47	3.42	28.78		84	clear no
						15.18					
						13.29					
				9.36	194.9	12.41	0.26	15.12		-172	
1142	22.81			9.26	194.3	10.15	0.24	14.68		-180	
						9.45					
1148	24.45			9.21	194.5	9.30	0.29	14.78		-193	
51						8.14					
54						7.94					
57						7.18					
00						6.49					
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: _____ Sample Time: _____ TRC Personnel: _____

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-23R
Date: 8/29/12
Depth to Water (ftbtoc):
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other N/A	ORP (mV)	Comments / Observations (color, odor, etc.)
1203						5.48					
1206	22.38			9.04	194.8	5.25	0.19	14.84		-220	
1209	28.09			8.95	195.8	5.10	0.20	15.03		-219	
1212											
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW23R Sample Time: 1215 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-24OB
Date: 9/4/12
Depth to Water (ftbtoc): 13.38
Depth to Bottom (ftbtoc): ~~16.65~~ 12.47
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1553	13.84	280		6.82	321.1	1.99	8.37	16.42		198	
	14.57			6.10	302.3	2.06	3.88	15.23		247	
	15.95	Final	after	sample							
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

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Sampling Information Sample Identity: MW-24OB Sample Time: 1610 TRC Personnel: C. Colson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, ~~Bladder Pump~~/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): ~40

Well Identification: MW-24R
Date: 9/4/12
Depth to Water (ftbtoc): 14.32
Depth to Bottom (ftbtoc): 44.92
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1	1800	15.7	212		6.51	1995	4.73	3.99	16.20		257	
4		18.24			6.32	2049	3.08	2.49	14.19		258	
6		19.88			6.32	2069		2.30	13.95		257	Clear w/o
3@3-5 m.					+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-24R Sample Time: 1315 TRC Personnel: C. Carlson

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: cloudy
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-25OB
Date: 9/5/12
Depth to Water (ftbtoc): 7.20
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1	0846	7.20	240 ml	min	7.53	734.5	3.38	1.34	15.86		198	clear, no
2	0849	7.29			7.63	735.1	3.53	1.29	15.50		191	clear, no
3	0852	7.29			7.93	732.4	2.77	1.28	15.19		192	Clear, no
4	0855	7.29			7.39	734.0	2.98	1.26	15.03		190	clear, no
5	0858	7.29			9.99	734.0	0.43	1.26	14.95		184	clear, no
6	0901				9.02	730.9	0.60	1.30	15.14		204	clear, no
7	0904				9.74	733.2	0.78	1.29	15.00		201	clear, no
8	0907				9.44	727.9	0.19	1.29	14.86		200	Clear, no
9	0910				9.29	732.7	0.24	1.29	14.78		199	
10	0913				9.14	726.6	0.38	1.29	14.71		199	
11	0916				9.10	724.4	0.30	1.28	14.93		200	
	3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-25OB Sample Time: 0920 TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-25OB
Date: 9/5/12
Depth to Water (ftbtoc): 7.20
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0919				9.03	7225	0.64	1.28	14.82		197	Clear, no
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-25OB Sample Time: 0920 TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Cloudy
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): Mid-screen

Well Identification: MW-25R
Date: 9/5/12
Depth to Water (ftbtoc): 7.18
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

	Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1	0932	7.60	160/min		9.75	763.9	12.40	0.75	16.76		121	Sl. turbid, n/o
2	0935	7.70			9.84	762.1	12.80	0.34	16.47		99	Sl turbid, n/o
3	0938	7.71			9.46	764.8	12.63	0.11	16.42		68	Sl. turbid, n/o
4	0941	7.71			9.27	757.2	6.92	0.08	16.18		51	clearing, n/o
5	0944	7.71			9.15	754.1	7.35	0.06	16.28		-35	Clearing, n/o
6	0947	7.71			9.10	753.2	—	0.05	16.19		-94	Clearing, n/o
7	0950	7.71			9.10	747.4	—	0.04	15.82		-121	clearing, n/o
8	0953	7.74			9.10	750.1	3.72	0.03	15.78		-133	clearing, n/o
9	0956				9.08	749.7	—	0.03	15.47		-140	clearing, n/o
10	0959				9.07	747.9	—	0.03	15.82		-144	clearing, n/o
11	1002				9.07	744.7	2.66	0.02	15.80		-148	Clearing, n/o
	3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-25R Sample Time: 1005 TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather:
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc):

Well Identification: MW-25R
Date: 9/5/12
Depth to Water (ftbtoc): 7.18
Depth to Bottom (ftbtoc):
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
12 1005	7.71			9.05	742.8	2.61	0.02	15.91		-150	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-25R Sample Time: 1005 TRC Personnel: PC

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 14.5' (approx

Well Identification: MW-26(OB)
Date: 8/31/12
Depth to Water (ftbtoc): 7.47
Depth to Bottom (ftbtoc): 16.85
Standing Column (ft): 9.38
Well Diameter (in): 2
Standing Volume (gal,liter): 1.5
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1059	7.47	200 ml/m		8.04	440.2	96	6.37	18.83		96	Cloudy, N/O
1102	7.58			7.92	444.2	43	5.10	16.09		141	" "
1105	7.58			7.90	443.4	22.5	4.99	16.23		150	" "
1108	7.60			7.89	448.2	31.0	4.94	16.42		155	" "
1111	7.61			7.99	448.3	25.7	4.90	16.28		159	" "
1114											
1117											
1120											
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-26OB Sample Time: 1140 TRC Personnel: A. Gorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 36.91' (approx)

Well Identification: MW-26(R)
Date: 8/31/12
Depth to Water (ftbtoc): 7.51
Depth to Bottom (ftbtoc): 38.91
Standing Column (ft): 31.40
Well Diameter (in): 2
Standing Volume (gal,liter): 5.0
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
1142	7.91	160 ml/m		7.95	492.9	7.27	4.65	17.79		133	clear, N/O
1145	7.91			7.99	498.2	3.04	0.58	15.28		137	
1148	7.98			7.99	497.5	4.11	0.38	15.08		139	
1151	7.98			7.98	497.4	2.30	0.30	14.83		140	
1154	7.93			7.96	507.6	1.97	0.27	14.94		139	
1157	7.90			7.95	522.6	1.42	0.27	15.01		137	
1200	7.90			7.96	525.9	1.55	0.28	14.97		137	
1203											
1206											
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information Sample Identity: MW-26R Sample Time: 1225 TRC Personnel: Aifonilo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 57°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump/ Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 16' (approx)

Well Identification: MW-27 (OB)
Date: 8/31/12
Depth to Water (ftbtoc): 11.53
Depth to Bottom (ftbtoc): 18.10
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0650	11.53	200 ml/m		7.79	161.2	8.89	2.03	14.68		158	clear, tr susp. solids, N/O
0653	11.97			7.79	162.1	7.13	0.89	14.82		181	clear, ~~3~~ N/O
0656	12.07			7.79	163.0	4.66	1.02	14.99		193	
0659	12.14			7.80	163.0	3.10	1.07	15.11		200	
0702	12.16			7.81	160.5	2.42	1.01	15.16		207	
0705	12.17			7.86	156.1	2.47	0.82	15.15		211	
0708	12.21			7.80	148.5	1.85	0.70	15.16		186	
0711	12.21			7.81	142.1	2.45	0.65	15.12		185	
0714	12.24			7.81	137.1	2.29	0.61	15.13		186	
0717	12.26			7.82	132.4	1.63	0.61	15.09		188	
0720	12.26			7.82	128.9	1.33	0.48	15.06		189	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-27OB Sample Time: 0815 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 57°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 16' (approx)

Well Identification: MW-27 (OB)
Date: 8/31/12
Depth to Water (ftbtoc): 11.53
Depth to Bottom (ftbtoc): 18.10
Standing Column (ft):
Well Diameter (in): 2
Standing Volume (gal,liter):
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0723	12.30	<200 ml/m		7.81	123.1	1.40	0.49	15.08		190	clear, N/O
0726	12.33			7.81	120.7	2.39	0.51	15.07		191	
0729	12.35			7.80	114.3	1.46	0.49	15.08		191	
0732	12.36			7.80	114.5	1.24	0.44	15.07		190	
0735	12.37			7.78	113.4	1.51	0.37	15.08		190	
0738	12.37			7.80	111.4	1.20	0.30	15.10		188	
0741	12.38			7.80	108.0	1.43	0.30	15.09		189	
0744	12.39			7.79	103.2	1.19	0.34	15.10		190	
0747	1240			7.79	103.9	1.19	0.35	15.11		190	
0750	1241			7.79	102.6	2.12	0.28	15.11		189	Stop - all but DO stabilized 26%/10%
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-27OB Sample Time: 0815 TRC Personnel: A. Fortile

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 60°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 53' (approx)

Well Identification: MW-27 (R)
Date: 8/31/12
Depth to Water (ftbtoc): 11.45
Depth to Bottom (ftbtoc): 55.20
Standing Column (ft): 43.75
Well Diameter (in): 2
Standing Volume (gal,liter): 7
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0810	11.45	200 ml/m		8.05	464.3	2.19	3.84	15.95		54	clear, N/O
0813	12.75			8.11	471.6	2.11	0.53	13.78		-40	clear, slt odor
0816	12.68			8.11	470.8	3.21	0.37	13.99		-66	
0819	14.38			8.11	469.9	1.74	0.26	13.87		-76	
0822	14.90			8.11	470.1	2.95	0.22	13.94		-79	
0825	15.91			8.09	471.1	3.08	0.17	14.15		-82	
0828	16.24			8.11	468.5	4.21	0.18	13.98		-85	
0831	16.61			8.11	468.3	2.55	0.15	13.97		-87	
0834	17.59			8.11	468.0	3.59	0.17	13.78		-89	
0837	18.26			8.10	467.5	3.82	0.14	13.77		-88	
0840	19.42			8.10	469.1	2.72	0.13	13.83		-88	
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Attempt to lower purge rate to slow draw down, pump stopped

Sampling Information

Sample Identity: MW-27R Sample Time: 0930 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

Ground Water Sampling Log

Client: City of Stamford
Project Number: 191277.000000.0000000
Site Name / Location: Scofieldtown Park
Site Conditions / Weather: Sunny 60°F
Purge Method: Low-flow
Purge Equipment/Material: Peristaltic Pump, Bladder Pump/Troll-9500/ Silicone & Poly tubing
Headspace PID/FID (ppm):
Pump Intake (ftbtoc): 53' (approx)

Well Identification: MW-27 (R)
Date: 8/31/12
Depth to Water (ftbtoc): 11.45
Depth to Bottom (ftbtoc): 55.20
Standing Column (ft): 43.75
Well Diameter (in): 2
Standing Volume (gal,liter): 7
Screened Interval (ftbtoc):

Purging Information

Well Casing Volumes: 1" = 0.04 gal/ft = 0.15 L/ft, 2" = 0.16 gal/ft = 0.62 L/ft, 4" = 0.65 gal/ft = 2.47 L/ft, 6" = 1.47 gal/ft = 5.56 L/ft

Time	DTW (ftbtoc)	Purge Rate (gpm,lpm)	Volume Purged (gal,liter)	pH	Specific Cond. (mS/m)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Other	ORP (mV)	Comments / Observations (color, odor, etc.)
0843	19.99	200 ml/m		8.11	468.4	2.08	0.18	13.88		-88	clear, slt odor
0846	19.97			8.11	1,738	3.86	4.99	14.18		-80	* Switched pumps
0849	20.15			8.14	469.6	4.38	2.01	14.53		-86	
0852	20.31	100 ml/m		8.13	469.8	2.93	0.52	14.35		-91	
0855	20.53			8.12	468.5	2.46	0.40	14.65		-94	
0858	20.60			8.10	470.6	4.94	0.37	14.94		-99	
0901	20.46			8.11	466.7	12.72	0.32	14.87		-104	clear, slt odor
0904	20.94			8.11	466.2	3.34	0.33	14.87		-106	
0907	21.00			8.11	466.4	2.39	0.35	14.76		-108	
0910											
0913											
3@3-5 m.				+/- 0.1	3%	10%	10%	3%		+/- 10 mV	

Sampling Information

Sample Identity: MW-27R Sample Time: 0930 TRC Personnel: A. Fiorillo

Analysis	Containers Size	Containers Type	Containers Preservative	Analysis	Size/Type/Preservative	Comments / Observations
VOCs by 8260	40 ml	VOA	Hcl	Total Dissolved Solids	1L Plastic Ice	
SVOCs	1L	Amber	Ice	Total Suspended Solids		
ETPH	1L	Amber	Ice	Alkalinity		
PCBs	1L	Amber	Ice	Hardness		
Pesticides	1L	Amber	Ice	Nitrate (as Nitrogen)		
Herbicicdes	1L	Amber	Ice	Chlorides		
Total PP Metals plus K & Na	250 ml	Plastic	HNO_3	Sulfates		
Dissolved Fe & Mn	250 ml	Plastic	Ice	Biological Oxygen Demand		
Ammonia (as Nitrogen)	250 ml	Plastic	H_2SO_4			

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL	191277.0005.00000	11-6-2012 / 0930	

TRC Personnel: ZP

Well ID: MW-01 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	0.0
Well Mouth	1.9

FID: 920.4

Protective Casing Stick-up (from ground) 3 ft.

Riser Stick-up (from ground) 3 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 36.56 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 33.71 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 35 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 150

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1011	1016	1021	1026	1031	1036	1041	1046	1051	1056
Temp. (C)	[illegible]	12.32	12.61	12.57	12.53	12.69	12.62	12.71	12.78	12.68
Conduct. (µmhos/cm)	Start	32360	32130	32160	32190	32060	32120	32000	31990	32070
DO (mg/l)		1.60	1.19	1.46	0.87	0.59	0.97	0.40	0.40	0.33
pH (Std. Units)		16.10	14.65	14.48	13.72	13.31	13.28	11.51	9.79	9.28
Eh/ORP (millivolts)		-151	-132	-126	-119	-113	-111	-110	-110	-110
Turbidity (NTU)		2.56	2.56	1.98	1.89	1.41	1.17	1.36	1.13	3.66
Flow (ml/min)	150	150	→							
Depth To Water (ft)	37.83	→								

Time	1101	1106	1111	1116	1121	1126
Temp. (C)	12.70	12.75	12.59	12.75	12.74	12.76
Conduct. (µmhos/cm)	32060	32020	32150	32020	32030	32010
DO (mg/l)	0.16	0.27	0.30	0.16	0.15	0.23
pH (Std. Units)	9.17	7.85	8.72	7.54	11.31	10.54
Eh/ORP (millivolts)	-108	-98	-103	-93	-101	-92
Turbidity (NTU)	1.76	1.05	1.22	1.13	0.87	1.00
Flow (ml/min)	150	→				
Depth To Water (ft)	37.83	→				

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	[ ]	[ ]
Submersible Pump	[ ]	[ ]
Bladder Pump	[X]	[X]
Other: _____	[ ]	[ ]

Comments: Clear. Strong odor when well cap was removed. Odor from water itself as well. Water leaves a white stain when dried.

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL	191277.00005.00000	11-6-2012/1330	

TRC Personnel: ZP

Well ID: MW-01R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FID: 120.5

Protective Casing Stick-up (from ground): 3 ft.

Riser Stick-up (from ground): 3 ft.

WELL DIAMETER: X 2 inch; 4 inch; 6 inch; Other: _____

WELL MATERIAL: X PVC; SS; ___

Well Depth 66.43 ft. X top of riser; top of casing; measured; historical

Water Depth 33.80 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 61.43

Static water level after pump put into well: 33.83

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1343	1348	1353	1358	1403	1408	1413	1418	1423	1428
Temp. (C)	Start	12.92	13.06	12.99	12.96	13.07	13.03		13.13	12.98
Conduct. (µmhos/cm)	Purge	5619	5825	5738	5683	5677	5673		5627	5564
DO (mg/l)		8.35	8.38	8.42	8.36	7.31	6.69		5.55	4.83
pH (Std. Units)		12.29	13.22	12.68	12.21	14.91	16.06		16.51	15.86
Eh/ORP (millivolts)		967	894	917	904	765	639		625	725
Turbidity (NTU)		60.2	29.6	21.9	14.5	10.7	9.46		7.07	5.67
Flow (ml/min)	250	~~[illegible]~~	→	→	→	→	→	→	→	→
Depth To Water (ft)	33.85	→	→	→	→	→	→	→	→	→

Time	1433	1438	1443
Temp. (C)	12.86	12.98	12.93
Conduct. (µmhos/cm)	5509	5451	5440
DO (mg/l)	4.83	3.88	3.21
pH (Std. Units)	13.66	15.66	14.89
Eh/ORP (millivolts)	741	674	750
Turbidity (NTU)	5.35	4.47	4.47
Flow (ml/min)	250	→	→
Depth To Water (ft)	33.85	→	→

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other:		

Comments: Clear / Slight Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet
STL	191277.00005.00000	11/6/12 1230	1 of 1

TRC Personnel: Paul Cyr

Well ID: MW-20B

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	0.0
Well Mouth	1.5

FID: 795.1

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth 41.89 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 33.93 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1250	1255	1300	1305	1310	1315	1320	1325	1330	1335
Temp. (C)	13.82	13.80	14.03	13.93	14.08	14.00	14.23	14.03	13.99	13.83
Conduct. (µmhos/cm)	1607	1596	1588	1508	1578	1588	1594	1606	1614	1614
DO (mg/l)	0.74	0.29	0.31	0.14	0.14	0.16	0.15	0.08	0.09	0.17
pH (Std. Units)	16.05	10.93	9.34	12.65	10.07	9.94	11.79	9.70	11.76	9.00
Eh/ORP (millivolts)	-127	-121	-104	-110	-101	-93	-97	-85	-88	-79
Turbidity (NTU)	726	88	97.9	75.2	60.0	30.6	19.3	13.5	11.81	10.08
Flow (ml/min)	250 ml	—	—	—	—	—	—	—	—	—
Depth To Water (ft)	34.02	34.02	34.02	34.02	34.02	—	—	—	—	—

Time	1340	1345	1350
Temp. (C)	14.06	14.02	14.10
Conduct. (µmhos/cm)	1621	1617	1619
DO (mg/l)	0.08	0.07	0.17
pH (Std. Units)	11.55	12.56	23.65
Eh/ORP (millivolts)	-78	-77	-51
Turbidity (NTU)	9.86	8.28	6.98
Flow (ml/min)	250ml	—	—
Depth To Water (ft)	34.02		

Sample Collected

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump	X	X
Bladder Pump		
Other: _____		

Comments:
- Strong odor, turbid (start)
- Mod odor, clear, sheen on water (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—		—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL	191277.00005.00000	11/6/12 1420	

TRC Personnel: Paul Cor

Well ID: MW-2R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FID: 774.3

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [ ] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 64.65 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 33.38 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1433	1438	1443	1448	1453	1458	1503	1508	1513	1518
Temp. (C)	11.14	12.90	12.80	12.52	12.71	12.88	12.96	13.09	12.92	12.96
Conduct. (µmhos/cm)	533.8	728.7	751.3	750.1	744.9	743.3	742.0	743.2	741.8	742.6
DO (mg/l)	5.05	1.06	0.37	0.35	0.28	0.27	0.22	0.20	0.23	0.19
pH (Std. Units)	10.82	15.77	15.28	15.09	15.33	17.36	17.23	18.27	18.96	18.35
Eh/ORP (millivolts)	-85	-65	-63	-60	-57	-58	-57	-57	-58	-57
Turbidity (NTU)	17.9	138	116	63	82.9	54.3	47.7	34.3	26.6	27.8
Flow (ml/min)	250 ml	—	—	—	—	—	—	—	—	—
Depth To Water (ft)	33.40	33.40	33.40	33.40	33.40	—	—	—	—	—

Time	1523	1528	1533
Temp. (C)	12.96	12.80	12.88
Conduct. (µmhos/cm)	743.4	743.0	743.1
DO (mg/l)	0.21	0.16	0.26
pH (Std. Units)	20.23	20.73	8.57
Eh/ORP (millivolts)	-59	-61	-32
Turbidity (NTU)	18.4	16.7	16.2
Flow (ml/min)	250 ml	—	—
Depth To Water (ft)	33.40	—	—

Sample Collected

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: Turbid, st. odor (Start Purge) (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1533	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cor

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0610 11/9/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-3 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geopump

Flow-thru Cell Volume: 500 ml

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 15.12 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 9.55 ft. *

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: mid-screen

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 250 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0620	0625	0630	0635	0640	0645	0650	0655	0700	0705
Temp. (C)	5	11.72	12.03	11.86	11.94	12.14	12.23	12.44	12.57	12.49
Conduct. (µmhos/cm)	T	1.572	1.275	1.135	1.068	1.007	0.963	0.909	0.884	0.884
DO (mg/l)	9	3.07	1.57	1.43	1.27	1.20	1.15	1.49	1.03	1.03
pH (Std. Units)	r	7.00	6.80	6.79	6.75	6.72	6.72	6.74	6.71	6.70
Eh/ORP (millivolts)	T	47.6	22.6	15.4	5.8	1.6	-2.2	-9.5	-11.3	-14.1
Turbidity (NTU)	32.7	46.5	69.8	52.4	23.2	14.1	9.30	7.51	6.40	5.52
Flow (ml/min)	250 ml/min	—								
Depth To Water (ft)	9.55	10.05	10.05	10.05	10.09	10.09	10.09	10.10	10.10	10.10

Time	0710	0715	0720
Temp. (C)	12.50		12.78
Conduct. (µmhos/cm)	0.890		0.861
DO (mg/l)	1.04		0.91
pH (Std. Units)	6.68		6.68
Eh/ORP (millivolts)	-14.1		-17.7
Turbidity (NTU)	2.83		1.87
Flow (ml/min)	250 ml/min	—	
Depth To Water (ft)	10.10		

Sample collected

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Turbid, strong odor (Start Purge)
Sl. turbid, med odor (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	0720	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

* meter SN.# 900803

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0730 11/9/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-3R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geopump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 66.89 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 20.54 ft.*

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

250 ml/min

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0735	0740	0745	0750	0755	0800	0805	0810	0815
Temp. (C)	S	10.03	9.97	10.02	10.08	10.11	10.10	10.10	10.12
Conduct. (µmhos/cm)	+	0.525	0.513	0.512	0.513	0.513	0.515	0.520	0.522
DO (mg/l)	A	1.62	0.96	1.02	0.68	0.69	0.70	0.74	0.69
pH (Std. Units)	R	6.85	6.82	6.78	6.78	6.78	6.76	6.70	6.70
Eh/ORP (millivolts)	T	-51.2	-54.6	-55.1	-55.1	-56.1	-56.4	-55.4	-55.1
Turbidity (NTU)	4.20	4.20	4.20	4.00	3.40	4.20	4.24	4.21	4.23
Flow (ml/min)	250 ml/min								
Depth To Water (ft)	20.54								

Sample Collected

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:
Clear, No (start purge)
Clear, No (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N			0815		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R. Cyr

Rev: October 2012

* Meter SN.# 06195

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0715 11/12/12 | Sheet 1 of 1

TRC Personnel: Paul Orr

Well ID: MW-4OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth 14.66 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 10.24 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0725	0730	0735	0740	0745	0750	0755	0800	0805	0810
Temp. (C)	5	14.35	15.48	16.07	16.24	16.52	16.06	16.06	16.12	16.24
Conduct. (µmhos/cm)	+	0.987	0.880	0.771	0.609	0.549	0.568	0.592	0.618	0.627
DO (mg/l)	a	2.65	0.99	1.28	2.41	3.02	2.52	2.36	2.07	1.88
pH (Std. Units)	r	6.51	6.54	6.59	6.68	6.69	6.67	6.62	6.61	6.60
Eh/ORP (millivolts)	+	-2.5	-8.2	-10.1	-12.0	-8.8	-7.2	-2.7	-0.8	0.6
Turbidity (NTU)		6.71	2.12	2.14	1.45	0.64	0.70	0.68	0.70	0.93
Flow (ml/min)	200 ml/min									
Depth To Water (ft)								10.15	10.15	10.15

Time	0815	0820	0825				
Temp. (C)	16.25	16.18	16.23				
Conduct. (µmhos/cm)	0.628	0.636	0.645				
DO (mg/l)	1.88	1.89	1.96				
pH (Std. Units)	6.59	6.59	6.57				
Eh/ORP (millivolts)	1.7	2.9	5.3				
Turbidity (NTU)	1.00	1.40	1.47				
Flow (ml/min)	200 ml/min						
Depth To Water (ft)	10.15	10.15	10.15				

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:
Clear, No (Start Purge)
Clear, No (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	0825	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

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Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0830 11/12/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr

Well ID: MW-4R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____

[X] measured [ ] historical

Water Depth 9.98 * ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0830	0835	0840	0845	0850	0855	0900	0905	0910	0915
Temp. (C)	S	14.59		14.63	14.88	14.65	15.25	15.14	14.76	14.91
Conduct. (µmhos/cm)	T	0.771		0.792	0.793	0.778	0.762	0.758	0.748	0.742
DO (mg/l)	a	1.52		1.52	1.50	1.62	1.58	1.65	1.64	1.62
pH (Std. Units)	r	6.03		5.91	5.87	5.88	5.87	5.87	5.86	5.82
Eh/ORP (millivolts)	T	23.5		24.1	25.1	24.9	26.0	26.0	27.9	30.6
Turbidity (NTU)		3.10		2.97	1.93	1.27	1.03	1.01	1.00	0.98
Flow (ml/min)										
Depth To Water (ft)	9.98									

Time	0920	0925	0930				
Temp. (C)	15.47	15.57	15.64				
Conduct. (µmhos/cm)	0.751	0.750	0.749				
DO (mg/l)	1.63	1.64	1.60				
pH (Std. Units)	5.96	5.87	5.87				
Eh/ORP (millivolts)	29.9	30.3	30.7				
Turbidity (NTU)	0.98	1.53	1.58				
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	[ ]	[ ]
Submersible Pump	[ ]	[ ]
Bladder Pump	[ ]	[ ]
Other: _____	[ ]	[ ]

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N			0930		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

* meter SN#

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 1146 11/9/21 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-5R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 36.55 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 13.55 ft.* LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: Mid-screen

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 250 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1145	1150	1155	1200	1205	1210	1215	1220		
Temp. (C)	10.37	10.37	10.52	10.33	10.41	10.46	10.46	10.48		
Conduct. (µmhos/cm)	0.100	0.100	0.094	0.090	0.089	0.089	0.089	0.089	Sample Collected	
DO (mg/l)	2.46	2.46	2.01	1.82	1.70	1.66	1.66	1.62		
pH (Std. Units)	5.81	5.81	5.67	5.69	5.70	5.69	5.70	5.73		
Eh/ORP (millivolts)	55.1	55.1	59.3	60.8	60.7	62.9	62.8	61.9		
Turbidity (NTU)		7.90	8.88	6.88	3.11	1.75	1.72	1.70		
Flow (ml/min)	250 ml/min									
Depth To Water (ft)	13.55	13.68	13.70	13.70						

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: MS/MSD volumes collected, MW-5R MS/MSD

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N			1220		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R. Cyr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL		0915/11-7-2012	

TRC Personnel: ZP

Well ID: MW-06DB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact *	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground): 3 ft.

Riser Stick-up (from ground): 3 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth: 37.45 ft. [X] top of riser [ ] top of casing [ ] _____ [ ] measured [ ] historical

Water Depth: 31.20 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 35.45

Static water level after pump put into well: 31.18

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0927	0932	0937	0942	0947	0952	0957	1002	1007	1012
Temp. (C)	Start	17.07	17.30	17.43	17.66	17.81	17.57	17.83	17.74	16.95
Conduct. (µmhos/cm)	Purge	2218	2221	2207	2214	2220	2213	2211	2226	1935
DO (mg/l)	↑	0.31	0.16	0.26	0.10	0.33	0.05	0.42	0.03	0.14
pH (Std. Units)		13.47	18.37	18.24	19.47	19.82	16.13	17.13	15.76	15.45
Eh/ORP (millivolts)		933	651	638	465	443	740	678	755	533
Turbidity (NTU)	↓	9.14	5.95	3.24	2.68	2.40	2.28	1.73	1.76	1.66
Flow (ml/min)	200	→								→
Depth To Water (ft)	31.18	→								→

Time	1017	1022	1027				
Temp. (C)	17.62	17.87	17.55				
Conduct. (µmhos/cm)	2089	2079	2090				
DO (mg/l)	0.01	0.07	0.34				
pH (Std. Units)	13.95	11.05	10.97				
Eh/ORP (millivolts)	788	990	1021				
Turbidity (NTU)	1.19	1.21	1.05				
Flow (ml/min)	200	→	→				
Depth To Water (ft)	31.18	→	→				

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: Yellowish Hue / Clear / sl. odor / Sheen visible in discharge

* Dirt appears to be dug or washed out below the concrete collar

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1030		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL	Project No.:	Date/Time: 11-7-2012/1215	Sheet 1 of 1
TRC Personnel: ZP		Well ID: MW-06R	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3 ft.

Riser Stick-up (from ground) 3 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 42.74 ft. [X] top of riser [ ] top of casing [ ] measured [ ] historical

Water Depth 41.70 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 41.67

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1220	1225	1230	1235	1240	1245	1250	1255	1300	1305
Temp. (C)	Start	13.67	13.33	13.61	13.55	13.54	13.73	13.57	13.64	13.53
Conduct. (µmhos/cm)	Purge	2.723	2.726	2.767	2.802	2.842	2.868	2.895	2.938	2.952
DO (mg/l)		~~12.8~~	2.66	2.12	2.06	0.79	1.98	1.55	2.31	1.29
pH (Std. Units)		6.01	5.92	5.75	5.71	5.70	5.71	5.71	5.72	5.71
Eh/ORP (millivolts)		-133.5	-133.3	-81.1	-94.5	-98.8	-97.1	-98.2	-96.2	-87.6
Turbidity (NTU)		47.3	30.0	17.3	16.6	12.8	9.76	7.42	5.38	6.67
Flow (ml/min)	200	→								→
Depth To Water (ft)	41.67	41.78								→

Time	1310	1315	1320				
Temp. (C)	13.51	13.67	13.67				
Conduct. (µmhos/cm)	2.977	2.989	3.003				
DO (mg/l)	1.94	2.96	2.87				
pH (Std. Units)	5.73	5.78	5.78				
Eh/ORP (millivolts)	-92.1	-92.2	-93.2				
Turbidity (NTU)	4.68	4.70	4.31				
Flow (ml/min)	200	→	→				
Depth To Water (ft)	41.78	→	→				

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other:		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1325		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL	191277.00005.00000	11/7/12 0915	

TRC Personnel: Paul Cyr

Well ID: MW-9 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 37.27 ft. [X] top of riser [ ] top of casing [ ] _____

[X] measured [ ] historical

Water Depth 36.42 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh/ORP (millivolts)										
Turbidity (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Dry / no samples collected

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	NA	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL 191277.00005.00000 | Project No.: | Date/Time: 0920 11/7/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-9R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 81.10 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 39.02 ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well ~~38.18~~ 39.15

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0927	0932	0937	0942	0947	0952	0957	1002	1007	1012
Temp. (C)	10.44	10.44	10.72	10.98	11.46	11.86	11.09	11.07	10.97	10.60
Conduct. (µmhos/cm)	472.0	472.0	513.1	513.5	513.7	513.3	513.1	510.4	509.7	510.4
DO (mg/l)	5.25	5.25	0.96	0.75	0.60	0.58	0.53	0.45	0.47	0.48
pH (Std. Units)	28.76	—	20.73	19.57	19.95	20.13	20.51	18.07	19.14	20.36
Eh/ORP (millivolts)	-29	-29	-160	-164	-168	-170	-167	-163	-161	-162
Turbidity (NTU)	8.48	8.02	8.25	8.24	8.20	8.23	8.21	8.24	8.18	8.20
Flow (ml/min)	250 ml/min		—							
Depth To Water (ft)	39.15	39.15	39.15	39.15	39.15	39.15	39.15	39.15		

Time	1017	1022	1027				
Temp. (C)	10.54	10.98	10.98				
Conduct. (µmhos/cm)	508.5	503.6	500.0				
DO (mg/l)	0.40	0.38	0.37		Sample		
pH (Std. Units)	17.85	16.79	16.43		Collected		
Eh/ORP (millivolts)	-160	-157	-156				
Turbidity (NTU)	8.22	8.20	8.20				
Flow (ml/min)	250 ml/min	—					
Depth To Water (ft)	39.15	—					

Stabilization Criteria* (3 consecutive readings)
- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments:
Clear, v. sl. odor (Start Purge)
Clear, v. sl. odor (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1027	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0900 11/9/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-10R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geopump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 23.19 ft.* LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 250 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0905	0910	0915	0920	0925	0930	0935	0940	0945	0950
Temp. (C)	S	12.78	12.82	12.64	12.58	12.87	12.84	12.77	12.72	12.71
Conduct. (µmhos/cm)	T	2.251	2.312	1.246	2.332	2.342	2.343	2.341	2.349	2.351
DO (mg/l)	G	1.66	0.83	1.50	1.24	0.94	0.96	0.80	0.78	0.69
pH (Std. Units)	r	5.51	5.47	5.61	5.49	5.41	5.51	5.38	5.30	5.28
Eh/ORP (millivolts)	T	46.9	49.9	52.4	58.7	64.0	69.7	74.2	81.0	86.7
Turbidity (NTU)		5.15	2.92	5.37	2.87	1.65	1.90	1.74	1.70	1.68
Flow (ml/min)	250 ml/min									
Depth To Water (ft)	23.19	23.25								

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N			0950		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

* Meter SN.# 06195

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 1040 11/9/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-11R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact		
Well Cap Present		
Security Lock Present		

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [ ] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 17.72 ft.* LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1045	1050	1055	1100	1105	1110	1115			
Temp. (C)	5	11.56	10.92	11.16	11.13	11.13	11.14			
Conduct. (µmhos/cm)	T	0.431	0.425	0.432	0.439	0.440	0.442			
DO (mg/l)	A	1.77	1.15	1.19	0.96	0.89	0.86		Sample	
pH (Std. Units)	R	5.89	5.73	5.54	5.31	5.30	5.28		collected	
Eh/ORP (millivolts)	+	44.3	48.9	53.4	57.2	59.4	60.9			
Turbidity (NTU)		0.44	0.80	0.37	0.31	0.29	0.28			
Flow (ml/min)	225 ml/min									
Depth To Water (ft)	17.72	17.60	17.80	17.80	17.80	17.80	17.80			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, N/O (start purge)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	✓	—	—	1115	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R. Cyr

Rev: October 2012

*

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL		4-19-22 / 0715	

TRC Personnel: ZP

Well ID: MW-12 2B

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Peristaltic Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 15.62 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 10.06 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 13.62

Static water level after pump put into well 10.06

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0740	~~10.06~~	0745	0750	0755	0800	0805	0810	0815		
Temp. (C)	Start		11.53	12.40	12.72	12.77	12.83	12.86	12.98		
Conduct. (µmhos/cm)	Purge		320	320	317	318	317	317	317		
DO (mg/l)			2.91	0.70	0.47	0.43	0.39	0.36	0.34		
pH (Std. Units)			6.74	6.71	6.72	6.69	6.69	6.69	6.70		
Eh/ORP (millivolts)			-17.9	-37.8	-50.0	-41.4	-47.9	-44.2	-43.7		
Turbidity (NTU)			108.1	62.42	36.23	36.08	14.3	9.3	6.1		
Flow (ml/min)	200										
Depth To Water (ft)	10.08		10.11	10.13	10.12						

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria*
(3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear / N/O

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				0820		MW-12 0B

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

DTW = 10.39'

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL		11-19-2012/0845	

TRC Personnel: ZP

Well ID: MW-12R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Peristaltic Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 28.9 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 10.39 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: ~~10~~ ~~30~~ 32 ft

Static water level after pump put into well 10.39

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) 100

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0920	0925	0930	0935	0940	0945	0950	0955		
Temp. (C)	Start	11.43	11.76	11.88	12.00	12.05	12.23	12.34		
Conduct. (µmhos/cm)	Purge	270	269	269	269	269	269	269		
DO (mg/l)		1.87	1.12	0.66	0.53	0.48	0.47	0.48		
pH (Std. Units)		6.30	6.28	6.27	6.26	6.26	6.26	6.26		
Eh/ORP (millivolts)		79.3	86.6	98.0	105.6	97.8	103.9	105.0		
Turbidity (NTU)		4.8	4.2	2.9	7.2	5.4	4.0	2.6		
Flow (ml/min)	200	100								
Depth To Water (ft)	10.39	11.82	12.85	14.13	15.11	15.93	16.85	17.69		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear / N/O

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1000		MW-12R

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL | Project No.: 191277.00005.00001 | Date/Time: 0930 11/6/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-130R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FID: 8.2

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 23.30 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 23.06 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: ~~mid-screen~~ PO

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh/ORP (millivolts)										
Turbidity (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Dry / No samples collected

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	
Other: _____		

Comments: Unable to collect sample, insuf. water level

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet
STL	191277.00005.00006	11/6/12 1000	1 of 1

TRC Personnel: Paul Gr

Well ID: MW-13R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FID: 8.2

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth 59.38 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 31.53 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: mid-screen (55')

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1035	1040	1045	1050	1055	1100	1105	1110	1115	1120
Temp. (C)	14.85	12.96	13.07	13.09	13.11	13.34	13.25	13.16	13.12	13.02
Conduct. (µmhos/cm)	512.0	499.4	495.2	494.6	493.1	492.1	493.2	492.6	490.7	487.7
DO (mg/l)	0.65	0.28	0.22	0.25	0.26	0.28	0.31	0.18	0.34	0.19
pH (Std. Units)	19.42	13.46	18.94	19.87	20.12	20.17	20.05	20.24	20.16	20.45
Eh/ORP (millivolts)	80	541	124	45	21	17	28	15	22	-2
Turbidity (NTU)	751	240	123	89.6	79.5	57.1	89.6	49.5	40.1	37.0
Flow (ml/min)										
Depth To Water (ft)	31.70	32.20	32.35	32.40	32.40	32.40	32.40	32.40	32.40	32.40

Time	1125	1130	1135
Temp. (C)	13.31	13.27	13.24
Conduct. (µmhos/cm)	485.4	484.6	484.0
DO (mg/l)	0.24	0.25	0.22
pH (Std. Units)	20.43	20.48	14.90
Eh/ORP (millivolts)	-1	-5	446.0
Turbidity (NTU)	39.0	38.9	29.8
Flow (ml/min)			
Depth To Water (ft)	32.40	32.40	32.40

Sample Collected

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: sl. turbid, mod odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N			1135		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Gr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL	Project No.:	Date/Time: 11-9-2012/0730	Sheet 1 of 1
TRC Personnel: ZP		Well ID: MW-14 OB	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		X

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) 0 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 37.7 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 30.81 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 35

Static water level after pump put into well 30.84

Initial purge Rate/ Water Level (100-400 ml/min): 200ml/m

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0755	0800	0805	0810	0815	0820	0825	0830	0835	0840
Temp. (C)	start	14.75	15.11	15.23	15.47	15.46	15.52	15.55	15.64	15.60
Conduct. (µmhos/cm)	Purge	1.933	1.933	1.929	1.919	1.915	1.909	1.909	1.908	1.909
DO (mg/l)		0.42	0.71	0.44	0.36	0.35	0.35	0.33	0.29	0.30
pH (Std. Units)		7.57	7.61	7.64	7.68	7.71	7.69	7.70	7.68	7.67
Eh/ORP (millivolts)		-113.3	-126.4	-134.4	-140.4	-143.9	-144.1	-144.6	-145.3	-142.4
Turbidity (NTU)		2214	ERR(-13)	ERR(-44)	31.7	18.7	18.8	19.2	24.2	24.2
Flow (ml/min)	200	200								
Depth To Water (ft)	30.84	30.91	30.93	30.93						

Time	0845
Temp. (C)	15.49
Conduct. (µmhos/cm)	1.909
DO (mg/l)	0.30
pH (Std. Units)	7.67
Eh/ORP (millivolts)	-139.0
Turbidity (NTU)	14.4
Flow (ml/min)	200
Depth To Water (ft)	30.93

Stabilization Criteria*
(3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: -Water initially very murky /Black

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				0850		MW-14OB
				0910		MW-14 OB

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL | Project No.: | Date/Time: 11-9-2012 / 1030 | Sheet 1 of 1

TRC Personnel: ZP | Well ID: MW-14R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	~~X~~	X

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) 0 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 95.87 ft. [X] top of riser [ ] top of casing [ ] measured [ ] historical

Water Depth 41.45 ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: 90.87

Static water level after pump put into well: 41.41

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1045	1050	1055	~~1~~ 1100	1105	1110	1115	1120	1125	1130
Temp. (C)	Start	12.83	13.70	13.96	14.07	14.01	13.96	14.02	14.02	14.15
Conduct. (µmhos/cm)	Purge	1.708	1.953	1.953	2.026	2.096	2.113	2.095	2.042	2.045
DO (mg/l)		1.78	0.84	0.67	0.61	0.53	0.43	0.44	0.42	0.39
pH (Std. Units)		7.62	7.50	7.47	7.45	7.41	7.39	7.40	7.40	~~7~~ 7.41
Eh/ORP (millivolts)		-131.2	-187.9	-206.9	-211.7	-219.9	-224.8	-23~~6~~7	-239.6	~~-59~~ → -246.2
Turbidity (NTU)		9.70	2.25	2.09	2.47	2.42	2.42	2.30	2.14	1.59
Flow (ml/min)	~~41.41~~	200	→							
Depth To Water (ft)	41.41	41.45	→							

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other:		

Comments: Clear / Yellowish Hue
No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1135		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: Project No.: Date/Time: 11/12/12 Sheet 1 of 1

TRC Personnel: Well ID: MW-15 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact		
Well Cap Present		
Security Lock Present		

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth _____ ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh/ORP (millivolts)										
Turbidity (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Dry - NO Sample Collected.

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump		
Other:_____		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 1000 11/12/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-15R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 13.88 ft. * LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050
Temp. (C)	S	13.04	13.07	12.99	12.99	12.98	12.97	12.97	12.94	12.94
Conduct. (µmhos/cm)	T	0.440	0.430	0.426	0.425	0.424	0.424	0.424	0.423	0.422
DO (mg/l)	a	1.36	0.83	0.86	0.81	0.97	1.13	1.25	1.31	1.34
pH (Std. Units)	r	6.27	6.21	6.23	6.24	6.27	6.30	6.29	6.30	6.40
Eh/ORP (millivolts)	t	32.7	35.5	35.4	35.2	34.9	35.7	36.3	38.5	40.2
Turbidity (NTU)		2.49	2.43	2.40	2.81	2.80	2.35	2.30	2.34	2.38
Flow (ml/min)	200 ml/min									
Depth To Water (ft)	13.88		16.45	16.55	18.25	18.75	19.65	20.20	20.20	20.20

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:
Clear, n/o (Start purge)
Clear, n/o (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1050	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

* Meter SN#

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0730 11/13/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-16 08

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth 22.40 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 17.35 ft. *

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0800	0805	0810	0815	~~0820~~					
Temp. (C)	S	12.40	12.30	12.32						
Conduct. (µmhos/cm)	T	18.50	15.65	14.62						
DO (mg/l)	a	2.64	1.30	1.18		Cont. draw down				
pH (Std. Units)	r	5.66	5.82	5.89						
Eh/ORP (millivolts)	T	128.9	129.3	129.4		-Collect sample				
Turbidity (NTU)		18.8	9.74	6.33						
Flow (ml/min)	200	ml/min	—	—						
Depth To Water (ft)	17.35	17.50	18.00	18.80						

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, No (start Purge) - ran dry after collecting VOCs + 4 Cntrs let recharge 15 min. and resumed.

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	0815	—	—

Signed: Paul R Cyr

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Rev: October 2012

* w meter # 07427

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0820 11/13/12 | Sheet ___ of ___

TRC Personnel: Paul Cyr

Well ID: MW-16 R (MS/MSD)

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact		
Well Cap Present		
Security Lock Present		

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 16.80 ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0825	0830	0835	0840	0845	0850	0855	0900	0905	0910
Temp. (C)	S	11.93	11.98	11.92	11.77	11.70	11.61	11.75	11.76	11.72
Conduct. (µmhos/cm)	T	1.396	1.172	1.095	1.053	1.049	1.028	1.029	1.027	1.025
DO (mg/l)	a	1.23	0.59	0.62	0.50	0.58	0.47	0.60	0.45	0.46
pH (Std. Units)	r	6.55	6.44	6.37	6.32	6.30	6.28	6.28	6.27	6.27
Eh/ORP (millivolts)	T	27.5	10.8	10.0	9.3	3.9	5.9	6.7	5.7	5.2
Turbidity (NTU)		2.22	2.13	1.79	1.02	0.56	1.19	1.34	0.91	0.53
Flow (ml/min)	200 ml/min									
Depth To Water (ft)	16.80	17.00	17.00	17.00	17.00	17.0	17.0	17.0	17.0	17.0

Time	0915	0920	0925				
Temp. (C)	11.73	11.72	11.69				
Conduct. (µmhos/cm)	1.026	1.026	1.025				
DO (mg/l)	0.42	0.48	0.50				
pH (Std. Units)	6.26	6.26	6.25				
Eh/ORP (millivolts)	4.3	3.1	2.4				
Turbidity (NTU)	1.30	1.54	2.91				
Flow (ml/min)	200 ml/min						
Depth To Water (ft)	17.0						

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	[X]	[X]
Submersible Pump	[ ]	[ ]
Bladder Pump	[ ]	[ ]
Other: _____	[ ]	[ ]

Comments:
Clear, No (Start Purge)
Clear, No (End)
MS/MSD sample location

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	0925	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

* WL meter # 07427

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL		11-13-2012/1245	

TRC Personnel: ZP

Well ID: MW-17DB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ]

Well Depth 22.58 ft. [X] top of riser [ ] top of casing [X] measured [ ] historical

Water Depth 17.90 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 20

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1230	1235	1240	1245	1250	1255	1300	1305		
Temp. (C)	Start	17.61	18.24	18.37	18.44	18.58	18.45	18.53		
Conduct. (µmhos/cm)	Purge	1.643	1.704	1.733	1.741	1.759	1.770	1.771		
DO (mg/l)		0.82	0.53	0.49	0.47	0.40	0.39	0.40		
pH (Std. Units)		7.06	6.75	6.68	6.69	6.71	6.70	6.71		
Eh/ORP (millivolts)		-76.1	-76.4	-81.7	-83.7	-83.5	-85.6	-86.4		
Turbidity (NTU)	↓	5.68	5.61	3.67	3.46	3.67	2.92	3.99		
Flow (ml/min)	200	→								
Depth To Water (ft)	17.90	18.03	→							

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear / Strong Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1310		MW-17DB

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

* Req. Bladder Pump set up for next Qtrly.

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
~~III~~ STL		11-13-2012/1335	

TRC Personnel: ZP

Well ID: MW-17R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other:

WELL MATERIAL [X] PVC [ ] SS [ ]

Well Depth 78.54 ft. [X] top of riser [ ] top of casing [ ]

[X] measured [ ] historical

Water Depth 17.53 ft.

LNAPL/DNAPL Depth =

Thickness =

LOW FLOW DATA

Depth of pump intake: 30

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) 100

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1325	1330	1335	1340	1345	1350	1355	1400	~~1405~~	~~1410~~
Temp. (C)	Start	14.13	14.00	13.92	14.24	14.38	14.60	14.24		
Conduct. (µmhos/cm)	Purge	1.417	1.424	1.413	1.413	1.418	1.412	1.410		
DO (mg/l)		0.57	0.36	0.37	0.30	0.29	0.37	0.40		
pH (Std. Units)		6.96	7.10	7.07	7.17	7.20	7.25	7.23		
Eh/ORP (millivolts)		-172.6	-184.0	-185.8	-191.4	-194.1	-197.1	-194.5		
Turbidity (NTU)		2.20	2.21	2.03	2.00	1.83	2.98	3.32		
Flow (ml/min)	200	100								
Depth To Water (ft)	17.53	19.65	21.40	21.83	23.01	24.42	25.49	26.96		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type

	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other:		

Comments: 1405 - Water level dropped below Tubing.
- Will sample upon recharge
Clear / Sl. Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1420		MW-17R

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed:

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL	Project No.:	Date/Time: 11-13-2012 1010	Sheet 1 of 1
TRC Personnel: ZP		Well ID: MW-18 OB	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4.5 ft.

Riser Stick-up (from ground) 4.5 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 17.64 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 10.18 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 15

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 150

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1015	1020	1025	1030	1035	1040	1045	1050	1055	1100
Temp. (C)	Start	12.19	11.14	11.03	10.90	11.21	11.02	10.91	10.79	10.82
Conduct. (µmhos/cm)	Purge	1.256	1.253	1.247	1.244	1.236	1.235	1.232	1.228	1.228
DO (mg/l)		0.91	0.65	0.62	0.38	0.22	0.32	0.50	0.57	0.54
pH (Std. Units)		6.09	6.11	6.15	6.27	6.33	6.40	6.41	6.43	6.45
Eh/ORP (millivolts)		-123.7	-108.0	-107.7	-106.9	-116.6	-119.3	-119.6	-119.8	-123.1
Turbidity (NTU)		19.4	22.9	14.6	21.7	16.3	17.8	12.4	11.1	10.52
Flow (ml/min)	150									
Depth To Water (ft)	10.18	10.74								

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear / ~~[illegible]~~ Strong Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1105		MW-18OB

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL	Project No.:	Date/Time: 11-13-2012	Sheet 1 of 1
TRC Personnel: ZP		Well ID: MW-18R	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 52.57 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 8.51 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) 150

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1120	1125	1130	1135	1140	1145	1150	1155	1200
Temp. (C)	Start	10.95	11.11	10.98	10.94	11.11	10.96	10.94	10.94
Conduct. (µmhos/cm)	Purge	0.995	0.976	0.972	0.954	0.952	0.946	0.947	0.940
DO (mg/l)		2.16	0.39	0.31	0.18	0.15	0.12	0.13	0.14
pH (Std. Units)		6.80	6.87	6.87	6.92	6.96	6.96	6.95	6.91
Eh/ORP (millivolts)		-95.8	-117.2	-123.3	-131.8	-133.1	-144.8	-144.8	-142.4
Turbidity (NTU)		6.97	5.50	5.56	4.41	4.28	5.55	3.69	3.74
Flow (ml/min)	200	150							
Depth To Water (ft)	8.51	9.10	11.06	11.36	12.44	13.09	14.64	15.01	15.24

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear / Strong Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1205		MW-18R

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 0600 11/14/12 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-19R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth 38.39 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 10.10 ft.* LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0615	0620	0625	0630	0635	0640	0645	0650	0655	
Temp. (C)	S	11.59	11.50	11.44	11.41	11.41	11.37	11.37	11.35	
Conduct. (µmhos/cm)	T	0.496	0.521	0.525	0.529	0.537	0.554	0.560	0.562	
DO (mg/l)	A	1.89	1.54	1.34	0.87	0.63	0.68	0.57	0.60	Sample Collected
pH (Std. Units)	R	6.68	6.58	6.52	6.54	6.52	6.49	6.45	6.45	
Eh/ORP (millivolts)	T	-11.9	-29.7	-35.5	-37.2	-35.3	-35.9	-34.7	-33.6	
Turbidity (NTU)		1.34	0.94	1.34	1.33	1.38	1.34	1.33	1.34	
Flow (ml/min)	200 ml/min									
Depth To Water (ft)										

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, No (Start Purge)
Clear, No (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	0655	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

* measured on 11/5/12

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time: 1240 11/12/12	Sheet 1 of 1
TRC Personnel: Paul Cyr		Well ID: MW-21 OB	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 9.57 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 4.35 ft. * LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): ≤ 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1245	1250	1255	1300						
Temp. (C)	S	13.68	13.53	13.33						
Conduct. (µmhos/cm)	T	0.424	0.420	0.420						
DO (mg/l)	A	2.07	0.82	0.85		Sample collected				
pH (Std. Units)	R	6.13	6.02	6.01		Due to cont. draw				
Eh/ORP (millivolts)	T	9.8	6.4	3.6						
Turbidity (NTU)		16.2	15.3	20.2						
Flow (ml/min)	200 ml/min									
Depth To Water (ft)	4.35	4.95	5.80	6.98						

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Cloudy, sl. odor (start Purge)
- MW dry after fill VOA's + 1 Lite. WL 9.80
Cont. filling containers (1335 hrs). RGW dry again (1338)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1300 **	—	—
** slow recharge, last sample container filled @						
- Recharged ~ 300 ml / 15 min.						

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

*WL meter SN#

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 1305 11/12/16 | Sheet 1 of 1

TRC Personnel: Paul Gr | Well ID: MW-21R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ✓ PVC ☐ SS ☐ ___

Well Depth _____ ft. ✓ top of riser ☐ top of casing ☐ _____ ✓ measured ☐ historical

Water Depth 10.46 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: _____

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1310	1315	1320	1325	1330	1335	1340	1345		
Temp. (C)	5	13.80	13.74	13.69	13.49	13.31	13.23	13.20		
Conduct. (µmhos/cm)	T	0.246	0.239	0.235	0.231	0.229	0.228	0.226		
DO (mg/l)	4	1.37	0.35	0.29	0.31	0.28	0.23	0.20		Sample
pH (Std. Units)	-	5.65	5.57	5.52	5.51	5.49	5.49	5.48		Collected
Eh/ORP (millivolts)	T	[illegible]	-3.5	-4.6	-6.7	-9.3	-11.8	-10.1		
Turbidity (NTU)	~~20~~	7.59	2.46	1.18	0.81	1.21	1.08	1.06		
Flow (ml/min)	200 ml/min									
Depth To Water (ft)	10.46	10.82	10.98	11.05	11.15	11.20	11.25	11.25		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:
Clear, n/o (Start Purge)
Clear n/o (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1345	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 11/13/12 1045 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-22R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	✓	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 14.03 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: _____

Static water level after pump put into well 2

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1055	1100	1105	1110	1115	1120	1125	1130		
Temp. (C)	S	10.76	10.88	10.89	10.80	10.70	10.65	10.59		
Conduct. (µmhos/cm)	T	0.154	0.136	0.132	0.126	0.125	0.126	0.130		
DO (mg/l)	G	3.30	1.75	1.43	0.97	0.86	0.87	0.82		Sample
pH (Std. Units)	r	9.79	9.90	9.96	10.01	10.01	10.01	10.01		Collected
Eh/ORP (millivolts)	T	-31.0	-27.1	-25.9	-24.7	24.2	22.6	20.2		
Turbidity (NTU)		1.63	2.03	0.82	0.90	0.85	0.72	0.67		
Flow (ml/min)	200	ml/min	—							
Depth To Water (ft)	14.03	15.23	15.58	15.88	16.00	16.00	16.00	16.00		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, no (Start Purge)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1130	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL		11-12-2012/1415	

TRC Personnel: ZP

Well ID: MW-23DB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 21.56 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 15.48 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 18.48

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) 150

Flow rate at time of sampling: 150

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1420	1435	1440	1445	1450	1455	1500	1505	1510	1515
Temp. (C)	Start	14.17	14.20	13.37	13.15	13.19	13.16	13.19	13.19	13.19
Conduct. (µmhos/cm)	Purge	0.293	0.289	0.397	0.443	0.340	0.324	0.353	0.322	0.318
DO (mg/l)		9.34	9.03	5.35	2.68	5.71	5.96	6.14	7.26	7.32
pH (Std. Units)		6.08	6.03	6.57	6.54	6.11	6.94	6.87	5.42	5.90
Eh/ORP (millivolts)		6.3	17.5	-47.5	-35.3	2.5	16.4	5.1	20.4	24.3
Turbidity (NTU)		1.19	0.93	15.3	11.39	4.27	1.32	5.56	0.87	0.30
Flow (ml/min)	200	100	150							
Depth To Water (ft)	15.48	15.60	15.60	15.68	15.80	15.91	15.98	16.01	16.05	16.11

Time	1520						
Temp. (C)	13.11						
Conduct. (µmhos/cm)	0.318						
DO (mg/l)	7.29						
pH (Std. Units)	5.87						
Eh/ORP (millivolts)	27.1						
Turbidity (NTU)	0.17						
Flow (ml/min)	150						
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, N/O

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1525		MW-23DB

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: Project No.: Date/Time: 1250 11/13/12 Sheet 1 of 1

TRC Personnel: Paul Cyr Well ID: MW-23R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 17.20 ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: _____

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1300	1305	1310	1315	1320	1325				
Temp. (C)	5	10.84	10.82	10.87	10.90					
Conduct. (µmhos/cm)	↓	0.132	0.132	0.132	0.131					
DO (mg/l)	9	1.52	1.27	1.23	1.20		Sample			
pH (Std. Units)	r	8.45	8.16	8.13	8.10					
Eh/ORP (millivolts)	↓	-120.6	-133.3	-132.9	-135.1		Collected			
Turbidity (NTU)		2.03	1.60	1.68	1.64					
Flow (ml/min)	200	ml/min								
Depth To Water (ft)	17.20	18.68	19.50	20.40	21.38					

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, No Odor Start Purge

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N			1325		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R Cyr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL		11-9-2012/1300	

TRC Personnel: ZP

Well ID: MW-24R 013

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact		
Well Cap Present		
Security Lock Present		

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other:

WELL MATERIAL [X] PVC [ ] SS [ ]

Well Depth 12.50 ft. [X] top of riser [ ] top of casing [ ] [ ] [X] measured [ ] historical

Water Depth 11.21 ft.

LNAPL/DNAPL Depth =

Thickness =

LOW FLOW DATA

Depth of pump intake: 12.00

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 150

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350
Temp. (C)	Start	11.16	11.36	11.35	11.45	11.50	11.65	11.64	11.65	11.69
Conduct. (µmhos/cm)	Purge	0.612	0.608	0.607	0.609	0.608	0.608	0.617	0.630	0.637
DO (mg/l)		9.77	9.64	9.71	9.56	9.54	9.54	9.64	9.66	9.64
pH (Std. Units)		6.67	6.64	6.57	6.47	6.39	6.28	6.14	6.07	6.06
Eh/ORP (millivolts)		-6.0	-4.6	-2.4	2.4	5.6	11.54	18.5	20.1	20.7
Turbidity (NTU)		0.41	0.82	0.46	0.29	0.52	0.48	0.76	1.03	1.19
Flow (ml/min)	150									
Depth To Water (ft)	11.21	11.42	11.46	11.50	11.53	11.56	11.59	11.61	11.63	11.64

Time	1355						
Temp. (C)	11.62						
Conduct. (µmhos/cm)	0.647						
DO (mg/l)	9.63						
pH (Std. Units)	6.04						
Eh/ORP (millivolts)	22.0						
Turbidity (NTU)	1.06						
Flow (ml/min)	150						
Depth To Water (ft)	11.66						

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	[X]	[X]
Submersible Pump	[ ]	[ ]
Bladder Pump	[ ]	[ ]
Other:	[ ]	[ ]

Comments: Clear / N/O

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1400		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed:

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 11/7/12 1200 | Sheet 1 of 1

TRC Personnel: Paul Cyr | Well ID: MW-24R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: YSI 600, bladder pump

Flow-thru Cell Volume: 500 ml

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch; Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 45.06 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 12.20 ft.

LNAPL/DNAPL Depth = NA

Thickness =

LOW FLOW DATA

Depth of pump intake: ~40.00

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min / 12.20

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1240	1245	1250	1255	1300	1305	1310	1315	1320	1325
Temp. (C)	5	7.21	7.26	7.18	7.03	7.12	7.16	7.20	7.22	6.99
Conduct. (µmhos/cm)	T	1.422	1.405	1.396	1.391	1.387	1.376	1.356	1.343	1.323
DO (mg/l)	A	3.18	3.90	3.85	3.84	3.58	3.58	3.37	3.25	3.26
pH (Std. Units)	r	7.36	7.20	7.11	7.07	7.02	6.96	6.86	6.77	6.68
Eh/ORP (millivolts)	T	175.8	162.2	154.2	150.0	147.4	147.0	147.3	148.0	149.6
Turbidity (NTU)	P	135	115	114	112	25.0	11.4	7.81	5.33	4.44
Flow (ml/min)	U	200 ml/min		—	—	—	—	—	—	—
Depth To Water (ft)	G	13.50	13.50	13.50	13.50	13.50	13.50	13.50	—	—

Time	1330	1335	1340				
Temp. (C)	6.86	6.75	6.86				
Conduct. (µmhos/cm)	1.316	1.306	1.303				
DO (mg/l)	2.41	2.31	2.28		Collect		
pH (Std. Units)	6.60	6.57	6.54		Sample		
Eh/ORP (millivolts)	150.9	151.8	152.0				
Turbidity (NTU)	4.40	4.41	4.41				
Flow (ml/min)	200 ml/min		—				
Depth To Water (ft)	13.50	—	—				

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump	X	X
Bladder Pump		
Other: _____		

Comments:
Cloudy, turbid, n/o (Start Purge)
Clear, n/o (End)
Snow/rain ~36°F

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1340	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Paul R. Cyr

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL | Project No.: | Date/Time: 11-12-2012/0815 | Sheet 1 of 1

TRC Personnel: ZP | Well ID: MW-25 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 19.41 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 5.76 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 15 ft

Static water level after pump put into well: 5.81

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0820	0825	0830	0835	0840	0845	0850	0855		
Temp. (C)	Start	12.92	12.84	12.84	12.86	12.83	12.88	12.88		
Conduct. (µmhos/cm)	Purge	0.847	0.830	0.819	0.809	0.806	0.800	0.797		
DO (mg/l)		1.33	1.18	1.13	1.14	1.08	1.03	1.03		
pH (Std. Units)		6.14	6.12	6.12	6.11	6.12	6.13	6.14		
Eh/ORP (millivolts)		33.7	37.3	42.2	43.7	45.2	46.7	47.0		
Turbidity (NTU)		26.4	12.1	5.45	5.28	3.74	1.64	1.13		
Flow (ml/min)	200	→						→		
Depth To Water (ft)	5.76	5.81	5.85	5.86	→			→		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				0900		MW-25OB

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL	Project No.:	Date/Time: 11-12-2021	Sheet 1 of 1
TRC Personnel: ZP		Well ID: MW-25R	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	~	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 41.54 ft. [X] top of riser [ ] top of casing [ ] [ ] [ ] measured [ ] historical

Water Depth 5.77 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 35

Static water level after pump put into well 6.20

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) 150

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0910	0915	0920	0925	0930	0935	0940	0945	0950	0955
Temp. (C)	Start	12.63	12.50	12.51	12.49	12.47	12.33	12.30	12.19	12.17
Conduct. (µmhos/cm)	Purge	0.900	0.891	0.888	0.884	0.880	0.875	0.873	0.875	0.876
DO (mg/l)		0.85	0.39	0.35	0.27	0.18	0.16	0.16	0.14	0.17
pH (Std. Units)		7.19	7.32	7.34	7.41	7.46	7.51	7.57	7.88	7.98
Eh/ORP (millivolts)		-164.5	-186.8	-192.1	-202.2	-214.6	-224.8	-226.7	-230.3	-223.9
Turbidity (NTU)		2.36	0.74	0.43	0.94	0.77	0.48	0.37	1.16	1.73
Flow (ml/min)	200	150	→							
Depth To Water (ft)	5.77	6.21	6.20							

Time	1000	1005	1010				
Temp. (C)	12.17	12.13	12.07				
Conduct. (µmhos/cm)	0.877	0.866	0.850				
DO (mg/l)	0.15	0.16	0.17				
pH (Std. Units)	8.01	7.73	7.43				
Eh/ORP (millivolts)	-218.6	-185.0	-162.2				
Turbidity (NTU)	1.66	2.85	1.42				
Flow (ml/min)	150	→					
Depth To Water (ft)	6.20	→					

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1015		MW-25R

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL	Project No.:	Date/Time: 11-9-2012/1500	Sheet 1 of 1
TRC Personnel: ZP		Well ID: MW-26 013	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Peristaltic Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 16.88 ft. [X] top of riser [ ] top of casing [ ] _____ [ ] measured [ ] historical

Water Depth 6.06 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 11.88

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1510	1515	1520	1525	1530	1535	1540	1545		
Temp. (C)	Start	11.99	11.78	11.65	11.70	11.80	11.73	11.57		
Conduct. (µmhos/cm)	Purge	0.671	0.669	0.671	0.671	0.671	0.672	0.674		
DO (mg/l)		5.49	5.29	5.23	5.17	5.12	5.06	5.07		
pH (Std. Units)		6.34	6.27	6.28	6.30	6.31	6.32	6.31		
Eh/ORP (millivolts)		25.8	27.1	28.9	29.6	29.2	27.9	27.7		
Turbidity (NTU)		44.1	27.0	20.9	24.0	20.7	11.9	10.35		
Flow (ml/min)	200									
Depth To Water (ft)	6.06	6.43	6.40							

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: | Project No.: | Date/Time: 11/12/12 1140 | Sheet 1 of 1

TRC Personnel: Paul Cyr

Well ID: MW-26R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 6.10 ft.* LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1145	1150	1155	1200	1205	1210	1215			
Temp. (C)	5	12.88	12.79	12.53	12.56	12.52	12.50			
Conduct. (µmhos/cm)	T	0.481	0.481	0.479	0.479	0.479	0.481			
DO (mg/l)	G	1.91	1.23	0.91	1.05	0.95	0.90			
pH (Std. Units)	R	6.31	6.22	6.20	6.20	6.22	6.24			
Eh/ORP (millivolts)	A	61.2	61.7	61.6	61.0	60.1	60.4			
Turbidity (NTU)		1.18	1.12	0.53	0.58	0.55	0.59			
Flow (ml/min)										
Depth To Water (ft)	6.10	6.50	6.60	6.60	6.60	6.60				

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, No (Start Purge)
Clear, No (End)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
See Table	N	—	—	1215	—	—

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

WL meter Sn.# 07427

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
STL		11-12-2012/1000	

TRC Personnel: ZP

Well ID: MW-27 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground): 4 ft.

Riser Stick-up (from ground): 4 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 18.12 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 9.22 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 15 ft

Static water level after pump put into well: 9.22

Initial purge Rate/ Water Level (100-400 ml/min): 150

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 150

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1110	1115	1120	1125	1130	1135	1140	1145	1150
Temp. (C)	Start	13.33	13.27	13.17	13.09	13.11	13.21	13.27	13.30
Conduct. (µmhos/cm)	Purge	0.405	0.410	0.415	0.412	0.411	0.406	0.404	0.402
DO (mg/l)	↓	2.15	1.62	1.52	1.37	1.31	1.19	1.10	1.09
pH (Std. Units)	↓	5.41	5.31	5.24	5.22	5.23	5.26	5.27	5.28
Eh/ORP (millivolts)	↓	43.8	47.2	51.3	54.9	53.2	50.8	50.8	49.8
Turbidity (NTU)	↓	2.87	2.58	0.86	0.49	0.45	0.29	0.21	0.19
Flow (ml/min)	150	→	→	→	→	→	→	→	→
Depth To Water (ft)	9.22	9.82	10.08	10.15	10.32	10.36	10.41	10.45	10.48

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, N/O

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				~~1155~~ 1155		MW-27OB

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: STL	Project No.:	Date/Time: 11/12/2012	Sheet 1 of 1
TRC Personnel: ZP		Well ID: MW-27R	

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 55.19 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 10.19 ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: 30 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 150

Adjusted purge Rates/time/WL(record changes) 100

Flow rate at time of sampling: 150

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1205	1210	1215	1220	1225	1230	1235			
Temp. (C)	Start	13.04	13.12	13.19	13.19	13.25	13.20			
Conduct. (µmhos/cm)	Purge	0.735	0.731	0.728	0.723	0.718	0.716			
DO (mg/l)		0.32	0.26	0.37	0.39	0.40	0.40			
pH (Std. Units)		7.14	7.21	7.28	7.32	7.35	7.37			
Eh/ORP (millivolts)		-165.4	-170.8	-172.3	-173.1	-173.8	-175.0			
Turbidity (NTU)		0.65	0.45	1.47	0.87	1.62	1.30			
Flow (ml/min)	150	150								
Depth To Water (ft)	10.19	11.90	12.71	13.11	13.75	14.29	14.91			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Strong Odor (Sulfur?) / Clear

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
				1240		MW-27R

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3/1/13 1024	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-1 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3 ft.

Riser Stick-up (from ground) 3 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 36.5 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 31.54 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 36 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1020	1030	1035	1040	1045	1050	1055	1100	1105	1110
Temp. (C)	Start	12.560	~~12.66~~	12.71	12.79	12.78	12.83	12.860	12.77	12.74
Conduct. (µmhos/cm)	Purge	37.87	38.76	38.99	39.02	38.92	38.74	38.51	38.40	38.42
DO (mg/l)		2.14	2.14	2.09	2.13	2.15	2.16	2.17	2.21	2.24
pH (Std. Units)		7.360	7.48	7.49	7.55	7.58	7.60	7.63	7.65	7.67
Eh/ORP (millivolts)		-130.7	-125.8	-126.4	-125.8	-138.6	-131.6	-133.6	-130.6	-132.2
Turbidity (NTU)		39.7	49.4	54.4	59.6	59.5	58.8	60.6	59.9	55.6
Flow (ml/min)	200									
Depth To Water (ft)	31.54									

Time	1115	1120					
Temp. (C)	12.74	12.79					
Conduct. (µmhos/cm)	38.48	38.47					
DO (mg/l)	2.20	2.17					
pH (Std. Units)	7.69	7.70					
Eh/ORP (millivolts)	-131.5	-128.5					
Turbidity (NTU)	50.3	50.5					
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: Turbid, yellow, sulfur smell

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vials	1120/~~1130~~		MW-1OB/~~MW-1AOB~~
See COC		N	5x 1 liter Amb.			
		Y/Y/N	3x 250ml P			
		N	1x 1 liter P			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-1-13/1015	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-1 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3 ft.

Riser Stick-up (from ground) 3 ft.

WELL DIAMETER X 2 inch; 4 inch; 6 inch

Other: _____

WELL MATERIAL X PVC; SS; ___

Well Depth 66.4 ft. X top of riser; top of casing; ___ X measured; historical

Water Depth 31.18 ft.

LNAPL/DNAPL Depth = _____ Thickness = _____

LOW FLOW DATA

Depth of pump intake: 60 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1035	1035	1040	1045	1050	1055	1100	1105		
Temp. (C)	Start	11.98	12.19	12.23	12.26	12.20	12.29			
Conduct. (µmhos/cm)	Purge	5.527	5.351	5.281	5.294	5.328	5.347			
DO (mg/l)		1.79	1.05	0.90	0.81	0.80	0.74			
pH (Std. Units)		6.43	6.31	6.31	6.29	6.28	6.27			
Eh/ORP (millivolts)		-9.5	-7.4	-9.1	-6.1	-4.0	-1.0			
Turbidity (NTU)		10.37	7.90	7.94	6.16	6.96	7.33			
Flow (ml/min)	200	200	~~7.94~~ MF							
Depth To Water (ft)	31.18									

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: ~~Clear~~ (AF) Slightly turbid

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x vocs			MW-1 R
See COC		N	5x 1 liter tab			
		Y/Y/N	3x 250 ml P			
		N	1x 1 liter P			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	0600 3/1/13	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-20B

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 41.85 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 31.84 ft.

LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: 36 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

Sampling Equipment: YSI 6050 WL-meter, Bladder pump controller compressor

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0630	0645	0650	0655	0700	0705	0710	0715	0720	0725
Temp. (C)	[illegible]	12.57	12.85	13.34	13.53	13.48	13.59	13.62	13.68	13.69
Conduct. (µmhos/cm)	[illegible]	1.343	1.341	1.339	1.336	1.336	1.334	1.334	1.331	1.330
DO (mg/l)	[illegible]	4.39	3.85	4.48	3.56	3.21	2.98	2.28	1.91	1.74
pH (Std. Units)	[illegible]	6.84	6.77	6.73	6.70	6.69	6.68	6.66	6.65	6.64
Eh/ORP (millivolts)	[illegible]	-258	-295	-34.6	-37.9	-40.3	-43.1	-44.8	-47.1	-49.5
Turbidity (NTU)	[illegible]	2073	1518	1098	905	628	30 NTU	115	103.1	173
Flow (ml/min)	200									
Depth To Water (ft)	31.84									

Time	0730						
Temp. (C)	13.66						
Conduct. (µmhos/cm)	1.330						
DO (mg/l)	1.42						
pH (Std. Units)	6.64						
Eh/ORP (millivolts)	-49.2						
Turbidity (NTU)	80.4						
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria*
(3 consecutive readings)
- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	☒	☒
Other: _____	☐	☐

Comments: very turbid took a while to start purging rotten egg smell (sulfur)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x VOAs	0730		MW-20B
SOC OC		ICE	6x1L (5 ambers 2 plastic)			
		H_2SO_4, HNO_3 ice	3x 250 ml Plastic			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [illegible]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-1-13/0600	

TRC Personnel: CC (ZP) MA AF PC (Circle One)

Well ID: MW-2R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3 ft.

Riser Stick-up (from ground) 3 ft.

WELL DIAMETER ~~2 inch~~ / X 4 inch / 6 inch

Other: _____

WELL MATERIAL X PVC / SS / ___

Well Depth 64.5 ft. X top of riser / top of casing / ___ X measured / historical

Water Depth 31.34 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 58 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0640	0645	0650	0655	0700	0705	0710	0715	0720	0725
Temp. (C)	Start	[illegible]	12.57	12.96	13.15	13.19	13.13	13.20	13.37	13.35
Conduct. (µmhos/cm)	Purge	[illegible]	0.976	0.957	0.946	0.940	0.938	0.932	0.933	0.934
DO (mg/l)	↓	[illegible]	7.79	9.28	9.28	8.85	8.78	8.61	8.52	8.94
pH (Std. Units)	↓	[illegible]	6.68	6.75	6.75	6.76	6.76	6.76	6.76	6.76
Eh/ORP (millivolts)	↓	[illegible]	-67.3	-60.9	-61.1	-60.8	-60.9	-61.0	-60.2	-61.3
Turbidity (NTU)	↓	[illegible]	12	5	39.4	58.1	37.4	36.9	21.8	31.6
Flow (ml/min)	200	[illegible]								
Depth To Water (ft)	31.34	//								

Time	0730	0735	0740				
Temp. (C)	13.35	13.45	13.47				
Conduct. (µmhos/cm)	0.934	0.935	0.936				
DO (mg/l)	8.77	8.59	8.36				
pH (Std. Units)	6.76	6.76	6.76				
Eh/ORP (millivolts)	-61.1	-62.6	-62.5				
Turbidity (NTU)	18.1	16.2	15.5				
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: turbid
took a while to start purging
Slight Odor (Sulfur / Rotten Egg Smell)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
~~SVOCs~~	N	Y	2x VOCs			MW-2R
See COC	↓	N	5x 1 liter Amb.			↓
↓	↓	Y/Y/N	3x 250ml P			
↓	↓	N	1x 1 liter P			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2/27/13 1235	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-3 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: YSI 1050 WL meter, peristaltic pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [1] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL

[x] PVC [ ] SS [ ] ___

Well Depth 13 ft. [ ] top of riser [ ] top of casing [ ] _____ [ ] measured [ ] historical

Water Depth 9.84 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 11 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes) N/A

Flow rate at time of sampling: 200 ml/min

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1245	1255	1300	1305	[illegible]	[illegible]	1320	1325	[illegible]	1335
Temp. (C)		7.72	7.87	7.76	7.80	7.82	7.76	7.70	7.71	7.71
Conduct. (~~µmhos/cm~~ mS/cm)	[illegible]	0.155	4.087	3.913	3.701	3.541	3.465	3.307	3.183	3.066
DO (mg/l)		6.01	1.49	1.11	0.85	[illegible]	0.82	0.73	0.59	0.55
pH (Std. Units)	[illegible]	7.00	6.90	6.90	6.90	[illegible]	6.92	6.92	6.91	6.92
Eh/ORP (millivolts)		[illegible]	-41.7	-43.6	[illegible]	-48.8	-53.3	-66.5	-67.4	-72.8
Turbidity (NTU)		18.7	23.5	63.9	[illegible]	9.43	7.25	9.5	4.63	5.71
Flow (ml/min)	200	200	200	200	[illegible]	200	200	200	200	[illegible]
Depth To Water (ft)	9.84	10.04	10.05	10.05	10.05	10.05	10.05	10.05	10.05	10.05

Time	1340	1345					
Temp. (C)	7.72	7.72					
Conduct. (µmhos/cm)	[illegible]	[illegible]					
DO (mg/l)	[illegible]	[illegible]					
pH (Std. Units)	[illegible]	[illegible]					
Eh/ORP (millivolts)	-72.6	[illegible]					
Turbidity (NTU)	2.35	[illegible]					
Flow (ml/min)	[illegible]	[illegible]					
Depth To Water (ft)	10.05	10.05					

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments:
- very turbid; ~~slow~~ turbidity went up again during sampling
- well had brown residue on WL meter tape
- well did clear up

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x40ml VOAS	1345	✓	MW-3 OB
See COC		ice	10x1L (5 ambers, 1 plastic)			
		H_2SO_4, HNO_3	3x250ml			
		ice				

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	1345 2/27/13	

TRC Personnel: CC ZP (MA) AF PC (Circle One)

Well ID: MW-3R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: YSI 1050 WL meter, geopump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☑ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 65 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 19.14 ft.

LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes) Yes / 1415 / Start 19.14 down to 20.83 ft

Flow rate at time of sampling: 100 ml/min

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1355	1400	1405	1410	1415	1420	1425	1430		
Temp. (C)		11.62	11.93	11.93	11.82	11.23	11.16	11.17		
Conduct. (µmhos/cm)	start	0.775	0.748	0.744	0.743	0.740	0.736	0.736		
DO (mg/l)		2.43	0.63	0.64	0.30	0.43	0.57	0.52		
pH (Std. Units)	purge	6.55	6.48	6.45	6.43	6.41	6.40	6.40		
Eh/ORP (millivolts)		-37.2	-59.9	-47.4	-52.6	-54.9	-61.1	-63.2		
Turbidity (NTU)		0.37	0.45	.17	0.10	0.43	0.17	0.14		
Flow (ml/min)	200	200	200	200	100	100	100	100		
Depth To Water (ft)	19.14	19.14	19.71	20.83	20.55	20.26	20.19	20.19		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Slowed purge rate to stop drawdown

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x40ml	1430	✓	MW-3R
see CoC		ice	6x1L (samplers optional)			
		H_2SO_4, HNO_3	3x250			
		ice				

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet
Scofieldtown LF	191277.0000.000	9/28/13 1215	1 of 1

TRC Personnel: CC ZP MA AP PC (Circle One)

Well ID: MW-40B

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	✓
Security Lock Present		

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 14.66 ft. ☐ top of riser ☐ top of casing ☐ _____ ✓ measured ☐ historical

Water Depth 6.29 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 10ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) N/A

Flow rate at time of sampling: 200

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1225	1230	1235	1240	1245	1250	1255			
Temp. (C)		8.48	8.24	8.14	8.14	8.13	8.09			
Conduct. ~~(µmhos/cm)~~ mS/cm		1.152	1.177	1.188	1.188	1.188	1.189			
DO (mg/l)	Start	5.78	4.42	4.41	4.41	4.42	4.44			
pH (Std. Units)		6.30	6.33	6.35	6.36	6.33	6.34			
Eh/ORP (millivolts)	purge	56.2	69.7	69.7	69.9	69.4	69.0			
Turbidity (NTU)		0.83	0.06	0.12	0.09	0.05	0.04			
Flow (ml/min)	200	200	200	200	200	200	200			
Depth To Water (ft)	6.29	6.29	6.29	6.29	6.29	6.30	6.30			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* **(3 consecutive readings)**

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type

	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: very clear, no odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x40 ml	1255	✓	MW-40B
Semi VOC		ice	6x1L (samples 1 gal)			
		H_2SO_4, HNO_3	3x250ml			
		ice	plastic			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2/28/13 1300	

TRC Personnel: CC ZP (MA) (AF) PC (Circle One)

Well ID: MW-4R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 34.36 ft. [ ] top of riser [ ] top of casing [ ] _____ [✓] measured [ ] historical

Water Depth 6.64 ft.

LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: 29/30

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min / 6.64 ft

Adjusted purge Rates/time/WL(record changes): N/A

Flow rate at time of sampling: 200 ml/min

Volume of water purged:

WELL DIAMETER [✓] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [x] PVC [ ] SS [ ] ___

Sampling Equipment: ISL (GSS) W-Mat C-Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

FIELD WATER QUALITY MEASUREMENTS (MFA) (record at appropriate intervals)

Time	1305	1315	1320	1325	1330	1335	1340			
Temp. (C)		11.47	11.66	11.79	11.80	11.93	11.97			
Conduct. (µmhos/cm)		0.817	0.818	0.821	0.825	0.824	0.823			
DO (mg/l)	Start	4.36	3.89	3.69	3.44	3.30	3.14			
pH (Std. Units)		5.97	5.92	5.89	5.86	5.85	5.83			
Eh/ORP (millivolts)	Purge	83.0	85.0	86.0	85.8	85.3	85.0			
Turbidity (NTU)		4.88	3.45	2.35	1.32	1.23	1.69			
Flow (ml/min)	200	200	200	200	200	200	200			
Depth To Water (ft)	6.64	6.72	6.77	6.77	6.77	6.77	6.77			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, No odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2 VOAs	1340	✓	MW-4R
Sep COC		H_2SO_4, HNO_3	6x1L (5 amber, 1 plastic)			
		ICE	3x250ml			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet ___ of ___
Scofieldtown LF	191277.0000.000	3/1/13 0600	

TRC Personnel: CC ZP (MA) AF PC (Circle One)

Well ID: MW-5R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: _____

Flow-thru Cell Volume: _____

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL

☒ PVC ☐ SS ☐ ___

Well Depth 36.55 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 7.36 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: _____

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0610	0620	0625	0630	0635	0640	0645	0650	0655
Temp. (C)		7.97	8.18	8.66	8.81	8.92	9.03	9.08	8.93
Conduct. (~~µmhos/cm~~ mS/cm³)	Start	0.139	0.130	0.121	0.124	0.119	0.123	0.121	0.122
DO (mg/l)		3.73	3.64	3.40	3.39	3.30	3.30	3.25	3.32
pH (Std. Units)	purge	5.96	5.90	5.86	5.83	5.81	5.80	5.78	5.76
Eh/ORP (millivolts)		202.5	195.5	181.2	170.4	166.1	162.1	156.4	160.9
Turbidity (NTU)		10.79	9.08	6.53	4.82	3.61	3.05	2.20	1.81
Flow (ml/min)	200	200	200	200	200	200	200	200	200
Depth To Water (ft)	7.36	7.46	7.49	7.50	7.51	7.51	7.52	7.52	7.52

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	☐	☐
Other: _____	☐	☐

Comments: _____

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Molly [illegible]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	~~7-13~~ 31-13/0855	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-6 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

Well Depth 37.4 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth _____ ft.

LNAPL/DNAPL Depth = _____

Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

LOW FLOW DATA

Depth of pump intake: 36 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

31.18

31.54

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0830	0835	0840	0845	0850	0855	0900			
Temp. (C)	Start	15.21	15.44	16.05	16.07	16.02	16.00			
Conduct. (µmhos/cm)	Purge	1.732	1.765	1.770	1.774	1.779	1.777			
DO (mg/l)		0.71	0.38	0.26	0.29	0.34	0.23			
pH (Std. Units)		6.61	6.50	6.49	6.46	6.48	6.46			
Eh/ORP (millivolts)		-76.9	-82.5	-85.0	-82.3	-82.8	-84.3			
Turbidity (NTU)		6.83	3.11	1.59	0.99	1.09	1.01			
Flow (ml/min)	200									
Depth To Water (ft)										

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: Yellow at start turbid, rotten egg sulfur small

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vials	0900		MW-6 OB
See COC	↓	N	5x 1 liter Amb	↓		↓
↓	↓	Y/Y/N	3x 250 ml P	↓		↓
↓	↓	N	1x 1 liter P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-1-13/0815	

TRC Personnel: CO ZP MA AF PC (Circle One)

Well ID: MW-6R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 92.74 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth _____ ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: ~~85~~ 85 A

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0835	0840	0845	0850	0855	0900	0905	0910	0915	0920
Temp. (C)	Start	11.38	12.31	12.42	13.60	14.33	14.57	14.66	14.78	14.78
Conduct. (µmhos/cm)	Purge	0.205	1.273	2.895	2.942	3.041	3.079	3.100	3.133	3.170
DO (mg/l)		10.60	4.96	2.12	1.43	1.13	0.87	0.78	0.68	0.64
pH (Std. Units)		7.37	7.26	7.13	7.04	6.98	6.91	6.87	6.85	6.85
Eh/ORP (millivolts)		-7.9	-145.5	-150.2	-131.1	-124.6	-114.9	-105.4	-103.5	-102.6
Turbidity (NTU)		10.31	4.94	3.63	1.50	1.49	1.62	1.65	1.45	1.75
Flow (ml/min)		100	100	100	200					
Depth To Water (ft)	100									

Time								
Temp. (C)								
Conduct. (µmhos/cm)								
DO (mg/l)								
pH (Std. Units)								
Eh/ORP (millivolts)								
Turbidity (NTU)								
Flow (ml/min)								
Depth To Water (ft)								

TNOW full

flow through cell not full yet

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: clear

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vials			MW-6R
See COC	↓	N	5x 1 liter Amb.			↓
↓	↓	Y/Y/N	3x 250 ml P			
↓	↓	N	1x 1 liter P			↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

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Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	~~2-19~~ 3-1-13 / 1250	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-9R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3 ft.

Riser Stick-up (from ground) 3 ft.

Well Depth _____ ft. [X] top of riser [ ] top of casing [ ] [ ] _____ [X] measured [ ] historical

Water Depth _____ ft.

LNAPL/DNAPL Depth = _____ Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

LOW FLOW DATA

Depth of pump intake: 76 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1250	1255	1300	1305	1310	1315	1320	1325	1330	1335
Temp. (C)	Start	11.89	11.97	12.01	12.05	12.11	12.09	12.12	12.13	12.24
Conduct. (µmhos/cm)	Purge	1.324	0.721	0.659	0.640	0.629	0.617	0.611	0.609	0.604
DO (mg/l)		1.55	0.51	0.43	0.40	0.37	0.37	0.33	0.33	0.32
pH (Std. Units)		8.29	8.16	8.10	8.01	7.89	7.76	7.69	7.65	7.60
Eh/ORP (millivolts)		-164.9	-181.8	-163.1	-169.0	-166.9	-146.9	-141.9	-141.0	-135.5
Turbidity (NTU)		22.1	21.0	14.9	9.47	6.87	5.58	5.49	5.03	4.98
Flow (ml/min)	200	~~22.1~~								
Depth To Water (ft)	Water	Level	not	registering.		Test	button	sounds	alarm.	

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)	Battery	good.					

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: Clear / Slight odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vial	1340		MW-9R
See COC		N	5x 1L Amb.			
		Y/Y/N	3x 250 mL P			
		N	1x 1L P			

Rev: October 2012

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

TRC

Low-flow Groundwater Field Data Record

Project: Scofieldtown LF
Project No.: 191277.0000.000
Date/Time: 2-28-13 / 1445
Sheet 1 **of** 1

TRC Personnel: CC ZP MA AF PC (Circle One)
Well ID: MW-10R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump
Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) NA ft.
Riser Stick-up (from ground) NA ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch
Other:

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 40 ft. [X] top of riser [ ] top of casing [X] measured [ ] historical

Water Depth 20.26 ft.
LNAPL/DNAPL Depth =
Thickness =

LOW FLOW DATA
Depth of pump intake: 30 ft
Static water level after pump put into well
Initial purge Rate/ Water Level (100-400 ml/min): 140
Adjusted purge Rates/time/WL(record changes)
Flow rate at time of sampling:
Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1450	1455	1500	1505	1510	1515	1520	1525	1530	1535
Temp. (C)	Start	12.05	12.82	12.84	12.87	12.84	12.83	12.87	12.90	12.90
Conduct. (µmhos/cm)	Purge	0.989	1.900	2.037	2.139	2.182	2.196	2.214	2.250	2.285
DO (mg/l)	↓	2.67	2.32	1.77	1.22	1.00	0.90	0.87	0.83	0.81
pH (Std. Units)		7.77	5.97	5.82	5.76	5.75	5.74	5.72	5.70	5.69
Eh/ORP (millivolts)		-30.7	78.9	101.4	123.2	134.0	141.8	146.2	153.7	162.4
Turbidity (NTU)		8.22	3.90	2.60	2.72	2.23	2.01	1.60	1.47	1.25
Flow (ml/min)	140	→								
Depth To Water (ft)	20.26	20.54	20.71	20.74	20.81	20.86	20.91	20.94	20.96	20.97

Time	1540	1545				
Temp. (C)	12.91					
Conduct. (µmhos/cm)	2.298					
DO (mg/l)	0.76					
pH (Std. Units)	5.68					
Eh/ORP (millivolts)	170.3					
Turbidity (NTU)	1.21					
Flow (ml/min)	140	140				
Depth To Water (ft)	20.97					

Stabilization Criteria* (3 consecutive readings)
- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other:		

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Voas (40)	1550		MW-10R
See QC	↓	N	5x 1liter Amber	↓		↓
↓		Y/Y/N	3x 250ml P			
↓	↓	N	1x 1liter P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: ____________

Rev: October 2012

2/28/13 - sampled

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2/28/13 0615	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-1103

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Sampling Equipment: WL meter geopump → grab sample

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 15.7 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 13.69 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 100 ml/min

Adjusted purge Rates/time/WL(record changes) N/A

Flow rate at time of sampling: 100

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1510	1520	1525	1530	1535	1540	1545			
Temp. (C)		10.97	11.15	11.08	11.13	11.18	11.24			
Conduct. (µmhos/cm)		1.935	1.943	2.026	1.957	1.916	1.886			
DO (mg/l)		1.18	0.62	0.96	1.61	1.84	1.88			
pH (Std. Units)		6.53	6.50	6.48	6.46	6.46	6.45			
Eh/ORP (millivolts)		-26.9	-26.3	-26.8	-18.8	-14.9	-13.2			
Turbidity (NTU)		1.17	1.36	1.30	0.93	0.86				
Flow (ml/min)	100	100	100	100	100	100	100			
Depth To Water (ft)	13.69	14.21	14.31	14.29	14.30	14.30	14.30			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Comments: - Started w/ slow rate b/c well was dry last quarter (AF) ~~2/28/13 well went dry before sampling. Took grab sample~~ well went dry while purging. We are taking a grab sample 2/28/13

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2 VOAs	0700	✓	MW-1103
See COC		ice	6x1 L (5 ambers 1 plastic)			
		H_2SO_4, HNO_3 ice	3x250 ml			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time: 0735 8/28/13	Sheet 1 of 1
Scofieldtown LF	191277.0000.000		

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW 17R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: YSI 6050 Geo pump, WL meter

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch; 4 inch; 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 35 ft. [ ] top of riser [ ] top of casing [✓] measured [✓] historical

Water Depth 8.57 ft.

LNAPL/DNAPL Depth = N/A

Thickness =

LOW FLOW DATA

Depth of pump intake: 25 ft.

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) N/A

Flow rate at time of sampling: 200 ml/min

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0715	0755	0800	0805	0810	0815	0820	0825		
Temp. (C)		11.56	11.86	11.95	11.97	12.00	11.98	11.90		
Conduct. (µmhos/cm)	Start	1.034	1.134	1.197	1.203	1.205	1.202	1.204		
DO (mg/l)		0.40	0.35	0.30	0.34	0.25	0.31	0.25		
pH (Std. Units)		5.58	5.53	5.51	5.50	5.49	5.49	5.48		
Eh/ORP (millivolts)		195.5	163.7	162.1	172.7	184.3	178.2	192.0		
Turbidity (NTU)		0.45	0.28	1.06	0.37	0.42	0.33	0.51		
Flow (ml/min)	200	200	200	200	200	200	200	200		
Depth To Water (ft)	8.57	8.63	8.63	8.63	8.63	8.64	8.64	8.64		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other:		

Comments: Very clear, no odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x40ml	0825	✓	MW-17R
Sel. COC		Ice	6x1L (5 ambers 1 plastic)			
1		H_2SO_4, HNO_3	3x250			
		Ice				

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2/27/13 0824	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-12 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: YSI 650 WL meter, Sp pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 15.62 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 8.30 ft.

LNAPL/DNAPL Depth = _____ Thickness =

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

LOW FLOW DATA

Depth of pump intake: 12ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) N/A

Flow rate at time of sampling: 200

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0850	0900	0905	0910	0915	0920	0925	0930	0935	
Temp. (C)		8.95	9.05	9.05	9.05	9.07	9.07	9.06	9.07	
Conduct. (µmhos/cm)		0.319	0.319	0.319	0.319	0.319	0.318	0.318	0.318	
DO (mg/l)		1.21	0.58	0.41	0.45	0.31	0.41	0.36	0.26	
pH (Std. Units)		6.66	6.67	6.64	6.66	6.67	6.67	6.66	6.67	
Eh/ORP (millivolts)		-35.9	-46.4	-41.4	-46.4	-49.6	-50.1	-44.7	-44.8	
Turbidity (NTU)		26.9	15.8	13.7	7.21	7.33	4.64	3.01	1.90	
Flow (ml/min)		200								
Depth To Water (ft)	8.30	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Turbid, NO odor. well cleared nicely.

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x VOCs	0935	✓	MW-12OB
See COC		ice	6x1L (5 amber, 2 plastic)			
		H_2SO_4, HNO_3 ice	3x250			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	0950 2/27/13	

TRC Personnel: CC ZP (MA) (AF) PC (Circle One)

Well ID: MW-12R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present		✓
Security Lock Present	✓	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 38.09 ft. [ ] top of riser [ ] top of casing [ ] [ ] measured [✓] historical

Water Depth 8.59 ft.

LNAPL/DNAPL Depth = _____

Thickness =

Sampling Equipment: YSI WL Meter, gp pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

WELL DIAMETER [✓] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

LOW FLOW DATA

Depth of pump intake: 25.67

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes) 100 ml/min @1025

Flow rate at time of sampling: 100 ml/min

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1005	1015	1020	1025	1030	1035	1040	1045		
Temp. (C) mS/cm	9.60	9.60	9.66	9.46	8.98	8.93	8.90	8.96	(AF)	
Conduct. (~~µmhos~~/cm)	Start	0.273	0.272	0.272	0.273	0.273	0.273	0.273		
DO (mg/l)		3.09	2.99	2.90	2.89	3.05	3.00	3.95		
pH (Std. Units)		6.99	6.45	6.43	6.43	6.44	6.41	6.44		
Eh/ORP (millivolts)		-0.9	8.7	23.1	23.5	28.3	32.5	33.36		
Turbidity (NTU)		1.70	1.99	1.63	2.04	1.45	1.55	1.62		
Flow (ml/min)	200	200	200	200	100	100	100	100		
Depth To Water (ft)	8.59	12.60	14.90	16.29	17.40	17.77	18.29	18.81		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, no odor. Well drew down a lot, so the pump rate was lowered. Still drew down a little bit

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2 VOAs	1045	✓	MW-12R
See		ice	6x1L (amber plastic)			
COC		H_2SO_4, HNO_3 ice	3x250 ml			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3/4/13 0820	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-13 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from ground) 4.5 ft.

Riser Stick-up (from ground) 4.5 ft.

Well Depth 23.2 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 19.64 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 22.5

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0910	0915	0920	0925	0930	0935	0940	0945	0950	0955
Temp. (C)	Start	5.13	5.17	5.18	5.10	5.22	5.42	5.26	5.15	5.36
Conduct. (µmhos/cm)	Purge	0.489	0.452	0.423	0.412	0.405	0.399	0.399	0.399	0.398
DO (mg/l)	↓	6.64	7.40	8.17	8.35	8.42	8.56	8.56	8.64	8.69
pH (Std. Units)	↓	6.87	6.78	6.76	6.74	6.73	6.70	6.70	6.71	6.71
Eh/ORP (millivolts)	↓	-11.4	-19.5	-5.0	14.4	30.6	49.6	56.9	60.9	65.7
Turbidity (NTU)	↓	43	56.6	28.7	14.2	8.72	5.86	3.83	2.98	2.52
Flow (ml/min)	200	→	→	→	→	→	→	→	→	→
Depth To Water (ft)	19.64	19.75	19.75	19.77	19.78	19.80	19.83	19.79	→	→

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: Very Clear!

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vials	1000		MW-13 OB
See COC	↓	N	5x 1L Amb.	↓		↓
↓	↓	Y/Y/N	3x 250 mL P	↓		↓
↓	↓	N	1x 1L P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-4-13/1015	

TRC Personnel: CC ~~ZP~~ MA AF PC (Circle One)

Well ID: MW-13 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4.5 ft.

Riser Stick-up (from ground) 4.5 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 59.3 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 29.23 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 54 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1045	1050	1055	1100	1105	1110	1115			
Temp. (C)	Start	11.66	11.39	11.36	11.27	11.36	11.24			
Conduct. (µmhos/cm)	Purge	0.465	0.464	0.462	0.459	0.457	0.456			
DO (mg/l)		1.52	0.99	0.88	0.79	0.80	0.78			
pH (Std. Units)		6.10	5.97	5.93	5.92	5.90	5.91			
Eh/ORP (millivolts)		78.6	91.5	99.0	106.8	110.2	113.6			
Turbidity (NTU)		19.9	11.7	11.1	9.70	9.25	7.71			
Flow (ml/min)	180	→								
Depth To Water (ft)	29.23	29.85	30.03	30.04	→					

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* **(3 consecutive readings)**

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: Clear / No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vaas	1120		MW-13 R
See COC	↓	N	5x 1L Amb.	↓		↓
↓	↓	Y/Y/N	3x 250mL P	↓		↓
↓	↓	N	1x 1L P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2-20-13/1300	

TRC Personnel: CC ~~ZP~~/MA AF PC (Circle One)

Well ID: MW-15OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

Well Depth 12.7 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 8.24 ft.

LNAPL/DNAPL Depth = _____

Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

LOW FLOW DATA

Depth of pump intake: 12 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1305	1310	1315	1320	1325	1330	1335	1340		
Temp. (C)	Start	7.87	7.84	7.79	7.74	7.76	7.84	7.87		
Conduct. (µmhos/cm)	Purge	0.506	0.504	0.503	0.502	0.503	0.504	0.50		
DO (mg/l)	↓	5.99	5.89	6.02	5.83	5.62	5.67	5.57		
pH (Std. Units)	↓	6.66	6.52	6.48	6.47	6.45	6.44	6.44		
Eh/ORP (millivolts)	↓	202.9	204.9	205.6	206.2	206.6	206.6	206.8		
Turbidity (NTU)	↓	5.35	4.05	3.88	2.67	1.83	1.51	1.01		
Flow (ml/min)	120	→	→	→	→	→	→	→		
Depth To Water (ft)	8.24	8.44	8.46	8.46	8.45	→	→	→		

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* **(3 consecutive readings)**

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Very Clear!

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vocs	1350		MW-15 OB
See QC	↓	N	5x 1 liter Amber	↓		
		Y/Y/N	3x 250 P			
	↓	N	1x 1 liter P	↓		

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: ~~Hey~~

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2-27-13 / 1250	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-15R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

Well Depth 38.6 ft. [X] top of riser [ ] top of casing [X] measured [ ] historical

Water Depth ____ ft.

LNAPL/DNAPL Depth = ____

Thickness =

WELL DIAMETER [ ] 2 inch [ ] 4 inch [ ] 6 inch

Other: ____

WELL MATERIAL [X] PVC [ ] SS [ ] ____

LOW FLOW DATA

Depth of pump intake: 33 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 180

Adjusted purge Rates/time/WL(record changes) 100

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1350	1355	1400	1405	1410	1415	1420	1425	1430	1435
Temp. (C)	Start	9.95	10.20	10.24	10.19	10.16	10.16	10.20	10.24	10.35
Conduct. (µmhos/cm)	Purge	0.583	0.582	0.580	0.582	0.581	0.582	0.581	0.581	0.581
DO (mg/l)		4.53	4.42	4.22	4.20	4.02	4.06	3.98	3.78	3.68
pH (Std. Units)		6.56	6.55	6.55	6.55	6.54	6.54	6.53	6.52	6.52
Eh/ORP (millivolts)		218.8	221.4	224.3	224.9	226.6	227.1	227.9	227.9	227.9
Turbidity (NTU)		3.11	3.92	4.22	4.60	5.19	6.44	7.65	5.72	3.57
Flow (ml/min)	180	100								
Depth To Water (ft)	7.55	10.40	12.00	13.30	13.69	14.42	15.31	16.11	16.68	16.81

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: ____		

Comments: Very Clear / No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vocs	1440		MW-15R
See COC		N	5x 1 liter Amber			
		Y/Y/N	3x 250 P			
		N	1x 1 liter Amber			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: ____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of ___
Scofieldtown LF	191277.0000.000	2/28/13 1435	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-1603

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 22.2 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 15.74 ft.

LNAPL/DNAPL Depth = _____ Thickness =

WELL DIAMETER ☑ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

LOW FLOW DATA

Depth of pump intake: ~~18.4~~ 19.4

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes) N/A

Flow rate at time of sampling: 200 ml/min

Volume of water purged:

Sampling Equipment: YSI 1650 Lol meter, gasp pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1445	1455	1500	1505	1510	1515				
Temp. (C)		9.05	9.00	9.00	8.97	8.94				
Conduct. (µmhos/cm)	Start	2.723	2.758	2.779	2.806	2.820				
DO (mg/l)	purge	1.78	1.48	1.37	1.34	1.26				
pH (Std. Units)		6.52	6.53	6.53	6.54	6.54				
Eh/ORP (millivolts)		68.4	70.8	73.8	77.2	78.8				
Turbidity (NTU)		0.70	0.66	0.55	0.53	0.68				
Flow (ml/min)	200	200	200	200	200	200				
Depth To Water (ft)	15.74	15.74	15.74	15.74	15.74	15.74				

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear, No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2 VOAs	1515	✓	MW-1603
See COC		H_2SO_4, HNO_3	6 x 1 L (5 uppers 1 poly)			
		ice	3 x 250 ml			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet ___ of ___
Scofieldtown LF	191277.0000.000	3/1/13 0835	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-16R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 48.60 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 15.71 ft.

LNAPL/DNAPL Depth = _____

Thickness =

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL [X] PVC ☐ SS ☐ ___

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0840	0850	0855	0900	0905	0910	0915	0920	0925
Temp. (C)		10.36	10.21	10.04	10.09	10.10	10.18	10.27	10.25
Conduct. (~~µmhos/cm~~ mS/cm³)	Start	0.939	0.949	0.957	0.960	0.960	0.959	0.959	0.960
DO (mg/l)		5.26	4.50	4.41	4.34	4.32	4.31	4.31	4.29
pH (Std. Units)	purge	6.43	6.45	6.44	6.45	6.45	6.45	6.45	6.44
Eh/ORP (millivolts)		176.7	180.3	153.6	136.9	128.2	121.3	118.3	112.1
Turbidity (NTU)		6.42	6.15	6.28	6.17	6.12	6.22	6.32	6.07
Flow (ml/min)	200	200	200	200	200	200	200	200	200
Depth To Water (ft)	15.71	16.01	16.01	16.01	16.01	16.01	16.01	16.01	16.01

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	☐	☐
Other: _____	☐	☐

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 2
Scofieldtown LF	191277.0000.000	2-28-13 / 0800	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-17 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

Well Depth 22.5 ft. [X] top of riser [ ] top of casing [X] measured [ ] historical

Water Depth 17.38 ft.

LNAPL/DNAPL Depth = ____ Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: ____

WELL MATERIAL [X] PVC [ ] SS [ ] ____

LOW FLOW DATA

Depth of pump intake: 21 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0825	0830	0835	0840	0845	0850	0855	0900	0905	0910
Temp. (C)	Start	15.53	15.65	15.90	16.09	16.11	16.19	16.25	16.25	16.32
Conduct. (µmhos/cm)	Purge	1.641	1.646	1.645	1.645	1.648	1.653	1.662	1.669	1.673
DO (mg/l)	↓	1.97	1.57	1.21	1.08	1.00	0.94	0.88	0.85	0.82
pH (Std. Units)		6.61	6.62	6.62	6.61	6.62	6.62	6.62	6.62	6.62
Eh/ORP (millivolts)		121.0	80.9	44.0	17.8	11.1	3.4	-1.0	-5.9	-7.8
Turbidity (NTU)	↓	8.24	5.83	5.15	4.68	3.80	4.09	3.75	2.97	2.44
Flow (ml/min)	200	→	→	→	→	→	→	→	→	→
Depth To Water (ft)	17.38	17.47	17.48	17.49	→	→	→	→	→	→

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: ____		

Comments: Very Clear / No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x vous	0915		MW-17OB
See COC	↓	N	5x 1 liter Amber	↓		↓
↓	↓	Y/Y/N	3x 250 P			
↓	↓	N	1x 1 liter P	↓		↓

n USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, EQASOP-GW-001).

Signed: ____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2-28-13/	

TRC Personnel: CC (ZP) MA AF PC (Circle One)

Well ID: MW-17 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Peristaltic Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

Well Depth 78.5 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 16.86 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: ~~26 ft~~ 26.5 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 100

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

MW 1103 0700
MW 11R 0825
TB 022813 0830
FB 022813 0840

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0920 ~~16.86~~	0925	0930	0935	0940	0945	0950	0955	1000	1005
Temp. (C)	Start	14.89	15.52	15.62	14.99	15.32	15.42	15.70	15.86	15.51
Conduct. (µmhos/cm)	Purge	1.239	1.230	1.230	1.227	1.225	1.226	1.224	1.224	1.224
DO (mg/l)	↓	1.70	1.03	0.87	0.73	0.57	0.65	1.03	1.84	2.24
pH (Std. Units)	↓	7.25	7.25	7.24	7.24	7.23	7.23	7.24	7.28	7.33
Eh/ORP (millivolts)	↓	-208.3	-222.4	-228.6	-233.9	-216.5	-205.7	-194.1	-179.3	-165.8
Turbidity (NTU)	↓	1.05	0.88	0.87	0.79	0.73	0.81	0.69	0.74	0.98
Flow (ml/min)	100									→
Depth To Water (ft)	16.86	18.61	20.03	20.52	21.21	22.38	22.94	23.84	24.83	25.61

Time	1010	1015					
Temp. (C)	15.24	15.35					
Conduct. (µmhos/cm)	1.221	1.220					
DO (mg/l)	2.66	2.79					
pH (Std. Units)	7.37	7.39					
Eh/ORP (millivolts)	-157.1	-148.3					
Turbidity (NTU)	1.40	1.35					
Flow (ml/min)	100	→					
Depth To Water (ft)	26.31	27.11					

Added Tubing For Sampling

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Pump set at lowest setting. Well still drawing down very quickly. Clear / Very Strong Rotten Eggs smell. (Sulfur)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x VOAs (40ml)	~~1020~~ 1025		MW-17 R
See COC	↓	N	5x 1 liter Amber	↓		↓
↓	↓	Y/Y/N	3x 250ml P	↓		↓
↓	↓	N	1x 1 liter P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2-28-13/1035	

TRC Personnel: CC (ZP) MA AF PC (Circle One)

Well ID: MW-18 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from ground): 4 ft.

Riser Stick-up (from ground): 4 ft.

Well Depth: 17.66 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth: 9.57 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 16 ft.

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 120

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

Sampling Equipment: Grex Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1045	1050	1055	1100	1105	1110	1115	~~1120~~		
Temp. (C)	Start	12.06	12.07	11.98	11.93	11.94	12.05			
Conduct. (µmhos/cm)	Purge	1.060	1.058	1.058	1.058	1.058	1.058			
DO (mg/l)		1.44	1.04	0.93	0.86	0.79	0.79			
pH (Std. Units)		6.80	6.78	6.78	6.77	6.77	6.77			
Eh/ORP (millivolts)		-121.7	-115.0	-121.1	-124.3	-123.1	-126.8			
Turbidity (NTU)		34.3	17.2	19.4	15.7	18.0	16.0			
Flow (ml/min)	120	→								
Depth To Water (ft)	9.57	10.41	10.71	10.74	10.81	10.83	10.89			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Initially, a large amount of Red/Orange particulate. Water Clear, but still some particulate / Petroleum Odor

* Duplicate Collected.

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vials (40 ml)	1125 / 1135		MW-18 OB / MW-18A OB
See COC		N	5x 1 liter Amber			
		Y/X/N	3x 250 ml P			
		N	1x 1 liter P			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2-28-13/1155	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-18 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

Well Depth 52.5 ft. [X] top of riser [ ] top of casing [X] measured [ ] historical

Water Depth 7.91 ft.

LNAPL/DNAPL Depth = ____ Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch Other: ____

WELL MATERIAL [X] PVC [ ] SS [ ] ____

LOW FLOW DATA

Depth of pump intake: 24 ft.

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1205	1210	1215	1220	1225	1230	1235	1240	1245	1250
Temp. (C)	Start	12.16	11.97	12.25	12.29	12.21	12.21	12.21	12.13	12.14
Conduct. (µmhos/cm)	Purge	0.787	0.784	0.782	0.783	0.786	0.787	0.788	0.789	0.790
DO (mg/l)	↑	7.76	7.35	7.31	6.49	4.77	4.30	3.98	3.71	3.36
pH (Std. Units)		7.28	7.24	7.23	7.05	6.92	6.86	6.83	6.81	6.78
Eh/ORP (millivolts)		-40.9	-37.9	-22.8	-8.2	-8.1	-22.7	-31.1	-34.0	-38.0
Turbidity (NTU)	↓	2.08	1.17	1.39	1.23	1.20	0.79	0.48	0.45	0.89
Flow (ml/min)	150									
Depth To Water (ft)	7.91	9.25	9.95	10.79	11.49	12.04	12.54	13.13	13.68	14.15

Time	1255	1300					
Temp. (C)	12.18	12.20					
Conduct. (µmhos/cm)	0.790	0.790					
DO (mg/l)	3.16	2.95					
pH (Std. Units)	6.77	6.76					
Eh/ORP (millivolts)	-40.2	-44.3					
Turbidity (NTU)	0.57	0.45					
Flow (ml/min)	150 →						
Depth To Water (ft)	14.48	14.89					

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: ____		

Comments: Very Clear / Rotten Eggs smell (Sulfur?)

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Voas (40)	1305		MW-18R
See COC	↓	N	5x 1 liter Amber	↓		↓
↓	↓	Y/Y/N	3x 250ml P			
↓	↓	N	1x 1 liter P			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: ____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2-27-13/ 1120	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-19 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: Reni Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 38.38 ft. ☒ top of riser ☐ top of casing ☐ _____ ☒ measured ☐ historical

Water Depth 8.86 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 33 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 140

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1130	1135	1140	1145	1150	1155	1200	1205		
Temp. (C)	Start	9.64	9.90	9.99	10.08	10.17	10.22	10.26		
Conduct. (µmhos/cm)	Purge	0.796	0.805	0.807	0.806	0.807	0.807	0.807		
DO (mg/l)		2.23	1.81	1.50	1.33	1.09	0.99	0.94		
pH (Std. Units)		6.61	6.57	6.56	6.55	6.55	6.55	6.55		
Eh/ORP (millivolts)		202.6	203.7	203.6	204.1	204.1	205.5	204.8		
Turbidity (NTU)		4.09	0.93	0.58	0.37	0.54	0.51	0.59		
Flow (ml/min)	140	→								
Depth To Water (ft)	8.86	9.04	9.10	→						

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	☒	☒
Submersible Pump	☐	☐
Bladder Pump	☐	☐
Other: _____	☐	☐

Comments: Very Clear / No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vocs	1210		MW-19 R
See COC	↓	~~5x 1 liter Ambers~~ N	5x 1 liter Ambers	↓		↓
↓	↓	Y/Y/N	3x 250 P			
↓	↓	N	1x 1 liter P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2/28/13	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-21 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Sampling Equipment: YSI 650 WL meter, geopump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch

Other: _____

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

Well Depth 9.52 ft. [ ] top of riser [ ] top of casing [ ] _____ [✓] measured [ ] historical

Water Depth 2.95 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 6.0 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 / 2.95

Adjusted purge Rates/time/WL(record changes): yes / 1010 / 200 ml/min → 100 ml/min

Flow rate at time of sampling: 100 ml/min

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0935	0945	0950	0955	1000	1005	1010	1015	1020
Temp. (C)		5.08	4.00	3.81	3.68	3.59	3.52	3.65	3.71
Conduct. (µmhos/cm)		3.280	3.130	3.098	3.040	2.914	2.836	2.742	2.603
DO (mg/l)	Start	3.25	4.14	4.28	4.60	4.69	4.50	4.20	3.95
pH (Std. Units)		6.21	6.29	6.32	6.34	6.36	6.37	6.38	6.39
Eh/ORP (millivolts)		75.1	79.3	81.2	81.7	81.3	81.2	79.6	77.6
Turbidity (NTU)		2.95	3.41	3.83	3.75	3.99	3.91	3.46	3.69
Flow (ml/min)	200	200	200	200	200	200	100	100	100
Depth To Water (ft)	2.95	3.10	3.14	3.18	3.20	3.22	3.23	3.25	3.27

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: very clear, NO odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x VOAs	1020	✓	MW-21 OB
See COC		ice	6x 1L (5 amb, 1 plastic)			
		H_2SO_4, HNO_3, ice	3x 250 ml			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Ashley [illegible]

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2/28/13 1030	

TRC Personnel: CC ZP (MA) (AF) PC (Circle One)

Well ID: MW 21R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 49.83 ft. ☐ top of riser ☐ top of casing ☐ _____ ☑ measured ☐ historical

7.28

Water Depth ~~7.30~~ ft.

LNAPL/DNAPL Depth = _____

Thickness =

WELL DIAMETER ☑ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

LOW FLOW DATA

Depth of pump intake: 30

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 300 → slowed to 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 200 ml/min

Volume of water purged:

Sampling Equipment: YSI (650 col meter, peripump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1030	1035	1040	1045	1050	1055	1100	1105	1110	1115
Temp. (C)		10.30	11.15	11.21	11.43	11.58	11.46	11.47	11.68	11.59
Conduct. (µmhos/cm)		0.144	0.091	0.083	0.080	0.085	0.137	0.218	0.236	0.249
DO (mg/l)		5.25	2.97	2.29	1.73	0.76	0.42	0.37	0.28	0.36
pH (Std. Units)		6.68	6.39	6.27	6.20	6.13	5.87	5.54	5.52	5.52
Eh/ORP (millivolts)		77.7	9.1	0.6	-3.5	-12.9	-2.1	9.1	14.1	12.3
Turbidity (NTU)		10.[illegible]	10.96	12.01	11.5	11.8	0.89	0.72	0.48	0.66
Flow (ml/min)	200	200	200	200	200	200	200	200	200	200
Depth To Water (ft)	7.29	7.78	7.84	7.87	7.96	8.00	8.06	8.06	8.06	8.10

Time	1120						
Temp. (C)	11.54						
Conduct. (µmhos/cm)	0.250						
DO (mg/l)	0.29						
pH (Std. Units)	5.51		Pulled tubing to max length & rate				
Eh/ORP (millivolts)	15.0						
Turbidity (NTU)	0.96						
Flow (ml/min)	200						
Depth To Water (ft)	8.11						

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Cannot pump too slow b/c the tubing is at max depth ~~of~~ (30 ft). Some turbidity, no odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x40 ml	1120	✓	MW-21R
SVOC		ice	1x1 L (5 ambers 1 plastic)			
		H_2SO_4, HNO_3	3x250 ml			
		ice	plastic			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 20[illegible]

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3/4/13 1303	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-220B

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: YSI 650 WL meter, remote Turbid meter, GeoPump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 15.18 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 9.18 ft.

LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 225 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

R=37.2 ±.71

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1300	1315	1320	1325	1330	1335	1340			
Temp. (C)		6.87	6.75	6.69	6.75	6.67	6.74			
Conduct. (µmhos/cm)		0.094	0.091	0.089	0.087	0.086	0.085			
DO (mg/l)		10.73	10.69	10.72	10.61	10.57	10.53			
pH (Std. Units)		5.89	5.64	5.60	5.62	5.59	5.60			
Eh/ORP (millivolts)		105.9	122.0	128.4	127.8	133.2	138.5			
Turbidity (NTU)		2.05	1.22	3.02	2.27	2.36	2.23			
Flow (ml/min)	225	~~2.05~~	~~1.22~~	~~3.02~~						
Depth To Water (ft)	9.18	9.35	9.37	9.39	9.39	9.39	9.39			

Time	
Temp. (C)	went to take turbidity
Conduct. (µmhos/cm)	+ flow stopped. Kicked
DO (mg/l)	pump back on a lot
pH (Std. Units)	purge until rate was at
Eh/ORP (millivolts)	200 ml/min. Then sampled
Turbidity (NTU)	
Flow (ml/min)	
Depth To Water (ft)	

Stabilization Criteria* (3 consecutive readings)
- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: very clear

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x VOAs	1340		MW-220B
See COC		ice	6x1L (Semivols & plastic)			
		H_2SO_4, HNO_3	3x250 ml plastic			
		ice				

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: [signature]

Rev: October 2012

CAL 5582

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	1415 3/4/13	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-22R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: YSI U50 w/ meter, geopump, turbid meter

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 37.2 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 8.71 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 225

Adjusted purge Rates/time/WL (record changes)

~~1425~~ 200 / 1425 /

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1415	1420	1425	1430	1435	1440	1445			
Temp. (C)		8.78	8.75	8.64	8.70	8.68	8.81			
Conduct. (µmhos/cm)	0	0.123	0.125	0.124	0.123	0.123	0.121			
DO (mg/l)	8	4.11	3.61	3.44	3.30	3.14	3.07			
pH (Std. Units)	2	6.04	6.10	6.09	6.06	6.03	6.02			
Eh/ORP (millivolts)	90	141.8	133.1	130.8	129.5	130.0	131.4			
Turbidity (NTU)	60	~~1.04~~	~~1.00~~	1.51	0.73	0.88	0.60			
Flow (ml/min)	225	~~225~~	~200							
Depth To Water (ft)	8.71	9.85	10.21	10.31	10.36	10.42	10.55			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

slowed pump rate

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: very clear no odor pump rate would not go much lower than 200 ml/min. There is drawdown

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x VOAs	1450		MW-22R
See COC		ice	10x 1L (5 amber, 2 plastic)			
		H_2SO_4, HNO_3, ice	3x 250 ml plastic			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: Ashley Doyle

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3/4/13 1130	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-23OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 21.57 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 11.12 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 16 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 250

Adjusted purge Rates/time/WL(record changes) slowed at beginning from 250 to 200 ml/min

Flow rate at time of sampling:

Volume of water purged:

11.12
16
21.57

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1140	1150	1155	1200	1205	1210	1215			
Temp. (C)		7.37	7.33	7.37	7.56	7.39	7.47			
Conduct. (µmhos/cm)		0.125	0.111	0.111	0.105	0.103	0.101			
DO (mg/l)		12.25	12.20	12.27	12.40	12.35	12.34			
pH (Std. Units)		6.28	6.05	5.97	5.92	5.90	5.87			
Eh/ORP (millivolts)		98.5	126.5	141.4	151.0	152.4	156.7			
Turbidity (NTU)		0.91	0.90	0.22	0.47	0.38	0.24			
Flow (ml/min)	250	200	—	—						
Depth To Water (ft)	11.12	11.34	11.34	11.34	11.34	11.34	11.34			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: very clear, no odor
pump shut down before sampling, turned back on let clear bright to 200 ml/min pump rate & sampled.

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x40mL	1200		MW-23OB
See COC		ICe	6x 1L (5 amber 2 plastic)			
		H_2SO_4, HNO_3 ICe	3x250 ml			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-4-13 / 1205	

TRC Personnel: CC (ZP) MA AF PC (Circle One)

Well ID: MW-23 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER X 2 inch; 4 inch; 6 inch

Other: _____

WELL MATERIAL X PVC; SS; ___

Well Depth 47.75 ft. X top of riser; top of casing; _____ X measured; historical

Water Depth 13.63 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 30 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 100

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1220	~~1225~~	~~1230~~	~~1235~~	~~1240~~	1240	~~1245~~	1250	1255	1300
Temp. (C)	Start	~~15.68~~	~~16.19~~	~~15.76~~	~~17.80~~	10.17	9.86	10.15	10.16	10.38
Conduct. (µmhos/cm)	Purge	~~0.002~~	~~0.001~~	~~0.001~~	~~0.001~~	0.194	0.195	0.194	0.194	0.194
DO (mg/l)	↓	~~8.59~~	~~8.55~~	~~8.64~~	~~8.14~~	1.52	1.53	1.49	1.47	1.38
pH (Std. Units)	↓	~~6.16~~	~~6.13~~	~~6.04~~	~~6.16~~	8.65	8.59	8.74	8.75	8.77
Eh/ORP (millivolts)	↓	~~137.4~~	~~143.7~~	~~152.2~~	↓	41.1	36.6	31.9	28.0	24.0
Turbidity (NTU)	↓	~~2.56~~	~~1.41~~	~~0.51~~	↓	0.28	0.40	0.31	0.23	0.13
Flow (ml/min)	100	↓	↓	↓	↓	↓	↓	↓	↓	↓
Depth To Water (ft)	13.63	15.41	16.43	17.14	↓	18.14	18.60	19.12	19.51	20.23

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Very Clear / No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Voas	1305		MW-23R
See COC	↓	N	5x 1L Amb.	↓		↓
↓	↓	Y/Y/N	3x 250mL P	↓		↓
↓	↓	N	1x 1L P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet ___ of ___
Scofieldtown LF	191277.0000.000	3/1/13	

TRC Personnel: CC ZP (MA) AF PC (Circle One)

Well ID: MW24-DB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment:

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 17.5 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 7.27 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1305	1315	1320	1325	1330	1335	1340			
Temp. (C)		6.57	6.59	6.60	6.61	6.56				
Conduct. (~~µmhos/cm~~ mS/cm)	Start	0.115	0.101	0.099	0.100	0.099				
DO (mg/l)		12.46	12.48	12.42	12.37	12.36				
pH (Std. Units)	Purge	5.45	5.28	5.20	5.16	5.14				
Eh/ORP (millivolts)		85.3	97.4	102.8	106.7	109.8				
Turbidity (NTU)		0.11	0.50	0.50	0.33	0.31				
Flow (ml/min)	200	200	200	200	200	200	200			
Depth To Water (ft)	7.27	7.41	7.41	7.42	7.42	7.42				

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	☐	☐
Other: _____	☐	☐

Comments: very clear

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

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Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-1-13 /	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-24R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Bladder Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 44.95 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth _____ ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 40 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1300	1310	1315	1320	1325	1330	1335	1340	1345	1350
Temp. (C)	Start	9.79	9.90	10.00	10.14	10.18	10.25	10.38	10.38	10.29
Conduct. (µmhos/cm)	Purge	2.253	2.125	2.109	2.0960	2.041	1.992	1.982	1.978	1.975
DO (mg/l)	↓	2.64	2.15	2.06	2.32	3.84	5.03	5.67	5.89	6.02
pH (Std. Units)		7.00	6.84	6.80	6.76	6.72	6.67	6.62	6.59	6.56
Eh/ORP (millivolts)		10.1	21.9	34.2	44.9	54.3	66.9	77.7	86.7	93.4
Turbidity (NTU)	↓	17.3	13.2	11.48	8.49	4.39	3.62	3.14	2.94	2.57
Flow (ml/min)	200									
Depth To Water (ft)										

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: fairly clear, slightly cloudy look, no odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x 40ml	1350		MW-24R
See COC	↓	N	5x 1L Amb.			↓
		Y/Y/N	3x 250ml P			
↓	↓	N	1x 1L P			

Rev: October 2012

Signed: _____

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	0938 3/4/13	

TRC Personnel: CC ZP MA (AF) PC (Circle One)

Well ID: MW-25OB / MW-35A OB.

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Sampling Equipment: YSI 1050 w/ meter, pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch; 4 inch; 6 inch

Other: _____

WELL MATERIAL [X] PVC; [ ] SS; [ ] ___

Well Depth ~~NA~~ 18.41 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 5.51 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: ~~18.41~~ 15.41

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200 / 5.51

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals) 0955 0900 0905 0910 0915 0920

Time	0847	~~0955~~	~~0915~~	~~0915~~	~~0920~~					
Temp. (C)		9.53	9.51	9.90	10.02	10.15	10.35			
Conduct. (µmhos/cm)	Stg/L	0.755	0.754	0.751	0.757	0.753	0.757			
DO (mg/l)		3.54	2.37	2.02	1.79	1.71	1.61			
pH (Std. Units)		6.10	6.07	6.07	6.06	6.05	6.06			
Eh/ORP (millivolts)	Pl/c	197.5	195.7	196.3	197.1	197.4	196.1			
Turbidity (NTU)	Sc	0.06	0.38	0.39	0.50	0.33	0.56			
Flow (ml/min)	200	200	200	200	200	200	200			
Depth To Water (ft)	5.51	5.56	5.56	5.56	5.56	5.56				

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	✓	✓
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: ~~Clear~~ very clear

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	4 x VOAs	0925 / 0930		MW-35OB / MW-35AOB
See COC		ice	1 x 1L (Plastic)			
		H_2SO_4, HNO_3	6 x 250ml			
		ice				

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

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Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000		

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-25R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Sampling Equipment: YSI 650 WL meter, Geopump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 41.54 ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 5.39 ft.

LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake:

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0930	0940	0945	0950	0955	1000	1005	1010	1015	1020
Temp. (C)		9.61	9.53	9.66	9.97	10.11	10.43	10.76	11.02	11.19
Conduct. (µmhos/cm)	Start	0.825	0.832	0.839	0.850	0.859	0.859	0.863	0.875	0.999
DO (mg/l)		5.64	5.26	3.07	1.79	1.44	1.00	0.65	0.56	0.84
pH (Std. Units)		6.67	6.79	6.89	7.09	7.33	7.50	7.63	7.64	6.79
Eh/ORP (millivolts)	Purge	178.7	171.1	-35.3	-92.8	-142.6	164.1	-183.8	-185.1	-160.8
Turbidity (NTU)		3.38	2.95	1.48	1.17	0.91	0.96	0.65	0.57	0.41
Flow (ml/min)	200									
Depth To Water (ft)	5.39	5.94	5.87	5.92	5.97	5.97	6.01	6.07 AF	6.11	6.15

Time	1025	1030	1035				
Temp. (C)	11.11	11.06	11.02				
Conduct. (µmhos/cm)	1.033	1.048	1053				
DO (mg/l)	0.82	0.75	0.70				
pH (Std. Units)	6.66	6.60	6.57				
Eh/ORP (millivolts)	-43.6	-35.1	-28.4				
Turbidity (NTU)	0.27	0.44					
Flow (ml/min)							
Depth To Water (ft)	6.18	6.18					

Slow rate

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	☐	☐
Other: _____	☐	☐

Comments:

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs		HCl	2x VOAs	1035		
See COC		ICE	1x 1L (amber glass)			
		H_2SO_4, NaO_3, ICE				

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

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Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2-27-13 / 0825	

TRC Personnel: CC/ZP MA AF PC (Circle One)

Well ID: MW-26 OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

Well Depth 16.88 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 5.30 ft.

LNAPL/DNAPL Depth = _____

Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

WELL MATERIAL

[X] PVC [ ] SS [ ] ___

LOW FLOW DATA

Depth of pump intake: 12.00 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes) 140

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0840	0845	0850	0855	0900	0905	0910			
Temp. (C)	Start	7.41	7.48	7.42	7.28	7.29	7.31			
Conduct. (µmhos/cm)	Purge	0.570	0.569	0.573	0.572	0.565	0.562			
DO (mg/l)		7.04	6.50	6.32	6.32	6.28	6.27			
pH (Std. Units)		5.98	5.95	5.98	5.95	5.95	5.96			
Eh/ORP (millivolts)		214.2	214.9	216.3	216.5	218.0	218.3			
Turbidity (NTU)		8.63	10.30	8.22	8.00	6.11	4.36			
Flow (ml/min)	140	→	→	→	→	→	→			
Depth To Water (ft)	5.30	5.53	5.52	→	→	→	→			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	[X]	[X]
Submersible Pump	[ ]	[ ]
Bladder Pump	[ ]	[ ]
Other: _____	[ ]	[ ]

Comments: Very Clear / No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x 40ml Vials	0915		MW-26 OB
See COC	↓	N	5x 1 liter Amber	↓		↓
↓	↓	Y/Y/N	3x 250 P	↓		↓
↓	↓	N	1 liter P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	2/27/13/0920	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-26 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 4 ft.

Riser Stick-up (from ground) 4 ft.

WELL DIAMETER ☒ 2 inch ☐ 4 inch ☐ 6 inch

Other: _____

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 38.91 ft. ☒ top of riser ☐ top of casing ☐ _____ ☒ measured ☐ historical

Water Depth 5.38 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 33.00 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): ~~150~~ 250

Adjusted purge Rates/time/WL(record changes) 150

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0935	0940	0945	0950	0955	1000	1005	1010	1015	1020
Temp. (C)	Start	9.62	9.09	8.96	9.02	9.08	9.00	8.86	9.08	9.12
Conduct. (µmhos/cm)	Purge	0.729	0.715	0.707	0.701	0.679	0.651	0.615	0.604	0.598
DO (mg/l)	↓	2.10	2.66	2.66	3.19	5.10	5.27	5.86	6.03	5.93
pH (Std. Units)		7.13	7.20	7.21	7.20	7.03	6.77	6.62	6.56	6.53
Eh/ORP (millivolts)		201.4	198.2	196.9	195.5	197.3	199.0	200.9	200.8	200.7
Turbidity (NTU)		2.68	1.41	0.95	1.11	3.25	1.19	1.07	0.87	0.93
Flow (ml/min)	150	→								
Depth To Water (ft)	5.38	5.61	5.76	→						

Time	1025						
Temp. (C)	9.18						
Conduct. (µmhos/cm)	0.591						
DO (mg/l)	5.86						
pH (Std. Units)	6.47						
Eh/ORP (millivolts)	29.3						
Turbidity (NTU)	0.85						
Flow (ml/min)	150						
Depth To Water (ft)	5.76						

Stabilization Criteria*
(3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	☒	☒
Submersible Pump	☐	☐
Bladder Pump	☐	☐
Other: _____	☐	☐

Comments: Very Clear / No odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Yes	2x Voas	1030		MW-26R
See COC	↓	No	5x Liter Ambers	↓		↓
↓	↓	~~Yes~~/Yes/No	3x 250 P			
↓	↓	No	1x Liter P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-4-13/1350	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-27OB

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

Well Depth ~~18.2~~ 18.12 ft. [X] top of riser [ ] top of casing [ ] [ ] [X] measured [ ] historical

Water Depth 8.85 ft.

LNAPL/DNAPL Depth = _____

Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

LOW FLOW DATA

Depth of pump intake: 13 ft

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1415	1420	1425	1430	1435	1440	1445	1450	1455	
Temp. (C)	Start	8.72	8.22	8.37	8.35	8.33	8.37	8.55	8.46	
Conduct. (µmhos/cm)	Purge	0.042	0.014	0.087	0.086	0.082	0.081	0.080	0.079	
DO (mg/l)		6.20	6.15	6.26	5.80	5.25	4.94	4.66	4.41	
pH (Std. Units)		6.07	5.54	5.41	5.37	5.31	5.28	5.27	5.25	
Eh/ORP (millivolts)		167.5	231.6	242.3	243.4	256.9	259.0	260.2	265.5	
Turbidity (NTU)		0.67	0.61	0.13	0.05	0.11	0.07	0.01	0.05	
Flow (ml/min)	190									
Depth To Water (ft)	8.85	9.24	9.27	9.43	9.54	9.61	9.65	9.68	9.69	

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Very Clear

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x Vials	1500		MW-22 R
See COC	↓	N	5x 1L Amb.	↓		↓
↓	↓	Y/Y/N	3x 250ml P	↓		↓
↓	↓	N	1x 1L P	↓		↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
Scofieldtown LF	191277.0000.000	3-4-13/1510	

TRC Personnel: CC ZP MA AF PC (Circle One)

Well ID: MW-27 R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Sampling Equipment: ~~Bladder Pump~~ Geo Pump

Flow-thru Cell Volume:

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up (from ground) 3.5 ft.

Riser Stick-up (from ground) 3.5 ft.

Well Depth 55.21 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 9.56 ft.

LNAPL/DNAPL Depth = _____

Thickness =

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL [X] PVC [ ] SS [ ] ___

LOW FLOW DATA

Depth of pump intake: 30

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 100

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

Volume of water purged:

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1525	1530	1535	1540	1545	1550	1555			
Temp. (C)	Start	9.14	8.64	8.15	8.56	8.53	8.61			
Conduct. (µmhos/cm)	Purge	0.547	0.578	0.591	0.588	0.592	0.592			
DO (mg/l)		6.74	6.38	6.27	6.12	6.11	6.06			
pH (Std. Units)		6.67	6.88	6.99	7.03	7.06	7.08			
Eh/ORP (millivolts)		164.0	156.3	150.6	146.8	138.7	136.6			
Turbidity (NTU)		4.72	3.52	2.27	3.05	2.54	2.11			
Flow (ml/min)	100	→	→	→	→	→	→			
Depth To Water (ft)	9.56	11.96	12.84	13.95	14.69	15.59	16.11			

Time							
Temp. (C)							
Conduct. (µmhos/cm)							
DO (mg/l)							
pH (Std. Units)							
Eh/ORP (millivolts)							
Turbidity (NTU)							
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	X	X
Submersible Pump		
Bladder Pump		
Other: _____		

Comments: Clear / No Odor

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
VOCs	N	Y	2x 1 Vocs	1600		MW-27 R
See Col		N	5x 1L Amb.			
		Y/Y/N	3x 250 ml P			
		N	1x 1L P			

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

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