

November 18, 2015

Jason Johnson
Single Projects 2015
PO Box 11
Hadley, MA 01035

Project Location: Hadley, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15K0379

Enclosed are results of analyses for samples received by the laboratory on November 9, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right from the end of the signature.

Aaron L. Benoit
Project Manager

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Single Projects 2015
 PO Box 11
 Hadley, MA 01035
 ATTN: Jason Johnson

REPORT DATE: 11/18/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15K0379

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Hadley, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
LKW001	15K0379-01	Soil		SM 2540G SW-846 6010C SW-846 8082A SW-846 8260C	
LKW002	15K0379-02	Soil		SM 2540G SW-846 6010C SW-846 8082A SW-846 8260C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A**Qualifications:****O-03**

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]
15K0379-02[LKW002]

O-32

A dilution was performed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

15K0379-01[LKW001]

SW-846 8260C**Qualifications:****R-05**

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Bromomethane
15K0379-01[LKW001], 15K0379-02[LKW002], B135648-BLK1, B135648-BS1, B135648-BSD1

V-16

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane
15K0379-01[LKW001], 15K0379-02[LKW002], B135648-BLK1, B135648-BS1, B135648-BSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Acetone
B135648-BS1, B135648-BSD1

Carbon Disulfide
B135648-BS1, B135648-BSD1

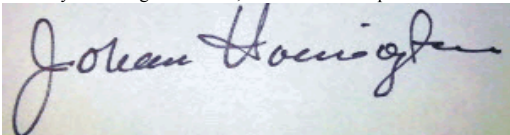
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SW-846 8260C

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Johanna K. Harrington". The signature is written in a cursive style and is contained within a rectangular box.

Johanna K. Harrington
Manager, Laboratory Reporting

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW001

Sample ID: 15K0379-01

Start Date/Time: 11/9/2015 12:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 12:30:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.18	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Benzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Bromobenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Bromochloromethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Bromodichloromethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Bromoform	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Bromomethane	ND	0.018	mg/Kg dry	1	R-05	SW-846 8260C	11/16/15	11/17/15 11:54	MFF
2-Butanone (MEK)	ND	0.074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
n-Butylbenzene	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
sec-Butylbenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
tert-Butylbenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Carbon Disulfide	ND	0.037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Carbon Tetrachloride	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Chlorobenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Chlorodibromomethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Chloroform	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Chloromethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
2-Chlorotoluene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
4-Chlorotoluene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2-Dibromoethane (EDB)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Dibromomethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2-Dichlorobenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,3-Dichlorobenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,4-Dichlorobenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,1-Dichloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2-Dichloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,1-Dichloroethylene	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
cis-1,2-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
trans-1,2-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2-Dichloropropane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,3-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
2,2-Dichloropropane	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,1-Dichloropropene	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
cis-1,3-Dichloropropene	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
trans-1,3-Dichloropropene	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Diethyl Ether	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Diisopropyl Ether (DIPE)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,4-Dioxane	ND	0.18	mg/Kg dry	1	V-16	SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Ethylbenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW001

Sample ID: 15K0379-01

Start Date/Time: 11/9/2015 12:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 12:30:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
2-Hexanone (MBK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Isopropylbenzene (Cumene)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Naphthalene	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
n-Propylbenzene	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Styrene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,1,1,2-Tetrachloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Tetrachloroethylene	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Tetrahydrofuran	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Toluene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2,3-Trichlorobenzene	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2,4-Trichlorobenzene	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,1,1-Trichloroethane	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,1,2-Trichloroethane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Trichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Trichlorofluoromethane (Freon 11)	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2,3-Trichloropropane	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,2,4-Trimethylbenzene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
1,3,5-Trimethylbenzene	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
Vinyl Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
m+p Xylene	ND	0.0074	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF
o-Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 11:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	11/17/15 11:54
Toluene-d8	97.1	70-130	11/17/15 11:54
4-Bromofluorobenzene	88.6	70-130	11/17/15 11:54

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW001

Sample ID: 15K0379-01

Start Date/Time: 11/9/2015 12:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 12:30:00PM

Sample Flags: O-32

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1260 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 10:59	JMB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		83.9	30-150					11/13/15 10:59	
Decachlorobiphenyl [2]		91.0	30-150					11/13/15 10:59	
Tetrachloro-m-xylene [1]		88.2	30-150					11/13/15 10:59	
Tetrachloro-m-xylene [2]		95.6	30-150					11/13/15 10:59	

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW001

Sample ID: 15K0379-01

Start Date/Time: 11/9/2015 12:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 12:30:00PM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	27	1.6	mg/Kg dry	1		SW-846 6010C	11/10/15	11/11/15 12:30	AME

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW001

Sample ID: 15K0379-01

Start Date/Time: 11/9/2015 12:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 12:30:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	46.7		% Wt	1		SM 2540G	11/10/15	11/11/15 9:14	MRL

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW002

Sample ID: 15K0379-02

Start Date/Time: 11/9/2015 1:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 1:30:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.23	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Benzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Bromobenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Bromochloromethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Bromodichloromethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Bromoform	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Bromomethane	ND	0.023	mg/Kg dry	1	R-05	SW-846 8260C	11/16/15	11/17/15 12:22	MFF
2-Butanone (MEK)	ND	0.090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
n-Butylbenzene	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
sec-Butylbenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
tert-Butylbenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Carbon Disulfide	ND	0.045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Carbon Tetrachloride	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Chlorobenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Chlorodibromomethane	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Chloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Chloroform	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Chloromethane	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
2-Chlorotoluene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
4-Chlorotoluene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Dibromomethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2-Dichlorobenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,3-Dichlorobenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,4-Dichlorobenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,1-Dichloroethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2-Dichloroethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,1-Dichloroethylene	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
cis-1,2-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
trans-1,2-Dichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2-Dichloropropane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,3-Dichloropropane	ND	0.0023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
2,2-Dichloropropane	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,1-Dichloropropene	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
cis-1,3-Dichloropropene	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
trans-1,3-Dichloropropene	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Diethyl Ether	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Diisopropyl Ether (DIPE)	ND	0.0023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,4-Dioxane	ND	0.23	mg/Kg dry	1	V-16	SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Ethylbenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW002

Sample ID: 15K0379-02

Start Date/Time: 11/9/2015 1:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 1:30:00PM

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
2-Hexanone (MBK)	ND	0.045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Isopropylbenzene (Cumene)	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Methylene Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Naphthalene	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
n-Propylbenzene	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Styrene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Tetrachloroethylene	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Tetrahydrofuran	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Toluene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2,3-Trichlorobenzene	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2,4-Trichlorobenzene	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,1,1-Trichloroethane	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,1,2-Trichloroethane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Trichloroethylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2,3-Trichloropropane	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,2,4-Trimethylbenzene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
1,3,5-Trimethylbenzene	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
Vinyl Chloride	ND	0.023	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
m+p Xylene	ND	0.0090	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF
o-Xylene	ND	0.0045	mg/Kg dry	1		SW-846 8260C	11/16/15	11/17/15 12:22	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	99.6	70-130	11/17/15 12:22
Toluene-d8	96.7	70-130	11/17/15 12:22
4-Bromofluorobenzene	90.0	70-130	11/17/15 12:22

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW002

Sample ID: 15K0379-02

Start Date/Time: 11/9/2015 1:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 1:30:00PM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1221 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1232 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1242 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1248 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1254 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1260 [2]	0.40	0.36	mg/Kg dry	5	O-03	SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1262 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Aroclor-1268 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	11/11/15	11/13/15 11:12	JMB
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	83.2		30-150			11/13/15 11:12			
Decachlorobiphenyl [2]	92.1		30-150			11/13/15 11:12			
Tetrachloro-m-xylene [1]	87.6		30-150			11/13/15 11:12			
Tetrachloro-m-xylene [2]	93.8		30-150			11/13/15 11:12			

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW002

Sample ID: 15K0379-02

Start Date/Time: 11/9/2015 1:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 1:30:00PM

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	83	2.7	mg/Kg dry	1		SW-846 6010C	11/10/15	11/11/15 12:35	AME

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Project Location: Hadley, MA

Sample Description:

Work Order: 15K0379

Date Received: 11/9/2015

Field Sample #: LKW002

Sample ID: 15K0379-02

Start Date/Time: 11/9/2015 1:00:00PM

Sample Matrix: Soil

Stop Date/Time: 11/9/2015 1:30:00PM

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	27.0		% Wt	1		SM 2540G	11/10/15	11/11/15 9:14	MRL

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15K0379-01 [LKW001]	B135080	11/10/15
15K0379-02 [LKW002]	B135080	11/10/15

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15K0379-01 [LKW001]	B135020	1.04	50.0	11/10/15
15K0379-02 [LKW002]	B135020	1.04	50.0	11/10/15

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15K0379-01 [LKW001]	B135108	8.00	8.00	11/11/15
15K0379-02 [LKW002]	B135108	4.10	4.00	11/11/15

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15K0379-01 [LKW001]	B135648	5.79	10.0	11/16/15
15K0379-02 [LKW002]	B135648	8.20	10.0	11/16/15

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B135648 - SW-846 5035

Blank (B135648-BLK1)

Prepared & Analyzed: 11/17/15

Acetone	ND	0.10	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.010	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							R-05
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0040	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.020	mg/Kg wet							
Carbon Tetrachloride	ND	0.0040	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.010	mg/Kg wet							
Chloroethane	ND	0.010	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.010	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.010	mg/Kg wet							
1,1-Dichloropropene	ND	0.0040	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet							
Diethyl Ether	ND	0.010	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0040	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.010	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.010	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B135648 - SW-846 5035

Blank (B135648-BLK1)

Prepared & Analyzed: 11/17/15

n-Propylbenzene	ND	0.0040	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.010	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.010	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0040	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.010	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0040	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.010	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0485		mg/Kg wet	0.0500		97.0	70-130			
Surrogate: Toluene-d8	0.0485		mg/Kg wet	0.0500		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.0474		mg/Kg wet	0.0500		94.8	70-130			

LCS (B135648-BS1)

Prepared & Analyzed: 11/17/15

Acetone	0.174	0.10	mg/Kg wet	0.200		87.2	40-160		V-20	†
tert-Amyl Methyl Ether (TAME)	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130			
Benzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
Bromobenzene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
Bromochloromethane	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130			
Bromodichloromethane	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Bromoform	0.0207	0.010	mg/Kg wet	0.0200		103	70-130			
Bromomethane	0.0101	0.010	mg/Kg wet	0.0200		50.5	40-160		L-14, R-05	†
2-Butanone (MEK)	0.175	0.040	mg/Kg wet	0.200		87.7	40-160			†
n-Butylbenzene	0.0209	0.0040	mg/Kg wet	0.0200		104	70-130			
sec-Butylbenzene	0.0237	0.0020	mg/Kg wet	0.0200		119	70-130			
tert-Butylbenzene	0.0237	0.0020	mg/Kg wet	0.0200		118	70-130			
tert-Butyl Ethyl Ether (TBEE)	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130			
Carbon Disulfide	0.0221	0.020	mg/Kg wet	0.0200		111	70-130		V-20	
Carbon Tetrachloride	0.0207	0.0040	mg/Kg wet	0.0200		104	70-130			
Chlorobenzene	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130			
Chlorodibromomethane	0.0203	0.010	mg/Kg wet	0.0200		102	70-130			
Chloroethane	0.0199	0.010	mg/Kg wet	0.0200		99.3	70-130			
Chloroform	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130			
Chloromethane	0.0176	0.010	mg/Kg wet	0.0200		87.9	40-160			†
2-Chlorotoluene	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130			
4-Chlorotoluene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0186	0.010	mg/Kg wet	0.0200		93.0	70-130			
1,2-Dibromoethane (EDB)	0.0225	0.0010	mg/Kg wet	0.0200		113	70-130			
Dibromomethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
1,2-Dichlorobenzene	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
1,3-Dichlorobenzene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
1,4-Dichlorobenzene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B135648 - SW-846 5035										
LCS (B135648-BS1)										
Prepared & Analyzed: 11/17/15										
Dichlorodifluoromethane (Freon 12)	0.0167	0.010	mg/Kg wet	0.0200		83.5	40-160			†
1,1-Dichloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloroethylene	0.0187	0.0040	mg/Kg wet	0.0200		93.3	70-130			
cis-1,2-Dichloroethylene	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130			
trans-1,2-Dichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130			
1,2-Dichloropropane	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
1,3-Dichloropropane	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130			
2,2-Dichloropropane	0.0218	0.010	mg/Kg wet	0.0200		109	70-130			
1,1-Dichloropropene	0.0211	0.0040	mg/Kg wet	0.0200		105	70-130			
cis-1,3-Dichloropropene	0.0197	0.010	mg/Kg wet	0.0200		98.7	70-130			
trans-1,3-Dichloropropene	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
Diethyl Ether	0.0181	0.010	mg/Kg wet	0.0200		90.4	70-130			
Diisopropyl Ether (DIPE)	0.0183	0.0010	mg/Kg wet	0.0200		91.6	70-130			
1,4-Dioxane	0.176	0.10	mg/Kg wet	0.200		88.2	40-160			V-16 †
Ethylbenzene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
Hexachlorobutadiene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-130			
2-Hexanone (MBK)	0.194	0.020	mg/Kg wet	0.200		97.0	40-160			†
Isopropylbenzene (Cumene)	0.0241	0.0040	mg/Kg wet	0.0200		121	70-130			
p-Isopropyltoluene (p-Cymene)	0.0240	0.0020	mg/Kg wet	0.0200		120	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130			
Methylene Chloride	0.0180	0.010	mg/Kg wet	0.0200		89.8	70-130			
4-Methyl-2-pentanone (MIBK)	0.198	0.020	mg/Kg wet	0.200		99.2	40-160			†
Naphthalene	0.0168	0.010	mg/Kg wet	0.0200		83.9	70-130			
n-Propylbenzene	0.0240	0.0040	mg/Kg wet	0.0200		120	70-130			
Styrene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1,1,2-Tetrachloroethane	0.0225	0.010	mg/Kg wet	0.0200		113	70-130			
1,1,1,2,2-Tetrachloroethane	0.0217	0.0010	mg/Kg wet	0.0200		108	70-130			
Tetrachloroethylene	0.0223	0.010	mg/Kg wet	0.0200		111	70-130			
Tetrahydrofuran	0.0183	0.010	mg/Kg wet	0.0200		91.3	70-130			
Toluene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,2,3-Trichlorobenzene	0.0177	0.0040	mg/Kg wet	0.0200		88.7	70-130			
1,2,4-Trichlorobenzene	0.0173	0.010	mg/Kg wet	0.0200		86.5	70-130			
1,1,1-Trichloroethane	0.0228	0.0040	mg/Kg wet	0.0200		114	70-130			
1,1,2-Trichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
Trichloroethylene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
Trichlorofluoromethane (Freon 11)	0.0179	0.010	mg/Kg wet	0.0200		89.6	70-130			
1,2,3-Trichloropropane	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
1,2,4-Trimethylbenzene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
1,3,5-Trimethylbenzene	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
Vinyl Chloride	0.0172	0.010	mg/Kg wet	0.0200		86.2	70-130			
m+p Xylene	0.0470	0.0040	mg/Kg wet	0.0400		117	70-130			
o-Xylene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0464		mg/Kg wet	0.0500		92.8	70-130			
Surrogate: Toluene-d8	0.0496		mg/Kg wet	0.0500		99.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.0492		mg/Kg wet	0.0500		98.3	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B135648 - SW-846 5035										
LCS Dup (B135648-BSD1)										
Prepared & Analyzed: 11/17/15										
Acetone	0.178	0.10	mg/Kg wet	0.200		88.9	40-160	1.87	20	V-20 †
tert-Amyl Methyl Ether (TAME)	0.0207	0.0010	mg/Kg wet	0.0200		104	70-130	2.34	20	
Benzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	0.290	20	
Bromobenzene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	0.633	20	
Bromochloromethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130	2.20	20	
Bromodichloromethane	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130	1.73	20	
Bromoform	0.0208	0.010	mg/Kg wet	0.0200		104	70-130	0.483	20	
Bromomethane	0.0133	0.010	mg/Kg wet	0.0200		66.3	40-160	27.1 *	20	L-14, R-05 †
2-Butanone (MEK)	0.176	0.040	mg/Kg wet	0.200		87.8	40-160	0.148	20	†
n-Butylbenzene	0.0214	0.0040	mg/Kg wet	0.0200		107	70-130	2.65	20	
sec-Butylbenzene	0.0244	0.0020	mg/Kg wet	0.0200		122	70-130	2.58	20	
tert-Butylbenzene	0.0243	0.0020	mg/Kg wet	0.0200		121	70-130	2.42	20	
tert-Butyl Ethyl Ether (TBEE)	0.0207	0.0010	mg/Kg wet	0.0200		104	70-130	0.775	20	
Carbon Disulfide	0.0224	0.020	mg/Kg wet	0.0200		112	70-130	1.17	20	V-20
Carbon Tetrachloride	0.0209	0.0040	mg/Kg wet	0.0200		104	70-130	0.577	20	
Chlorobenzene	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130	3.21	20	
Chlorodibromomethane	0.0209	0.010	mg/Kg wet	0.0200		104	70-130	2.82	20	
Chloroethane	0.0198	0.010	mg/Kg wet	0.0200		99.2	70-130	0.101	20	
Chloroform	0.0209	0.0040	mg/Kg wet	0.0200		104	70-130	1.84	20	
Chloromethane	0.0179	0.010	mg/Kg wet	0.0200		89.4	40-160	1.69	20	†
2-Chlorotoluene	0.0246	0.0020	mg/Kg wet	0.0200		123	70-130	4.65	20	
4-Chlorotoluene	0.0234	0.0020	mg/Kg wet	0.0200		117	70-130	4.55	20	
1,2-Dibromo-3-chloropropane (DBCP)	0.0199	0.010	mg/Kg wet	0.0200		99.3	70-130	6.55	20	
1,2-Dibromoethane (EDB)	0.0229	0.0010	mg/Kg wet	0.0200		115	70-130	1.67	20	
Dibromomethane	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130	3.31	20	
1,2-Dichlorobenzene	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130	3.67	20	
1,3-Dichlorobenzene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130	3.38	20	
1,4-Dichlorobenzene	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130	0.265	20	
Dichlorodifluoromethane (Freon 12)	0.0171	0.010	mg/Kg wet	0.0200		85.5	40-160	2.37	20	†
1,1-Dichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	1.47	20	
1,2-Dichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130	0.268	20	
1,1-Dichloroethylene	0.0195	0.0040	mg/Kg wet	0.0200		97.3	70-130	4.20	20	
cis-1,2-Dichloroethylene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130	1.13	20	
trans-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	1.50	20	
1,2-Dichloropropane	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130	0.917	20	
1,3-Dichloropropane	0.0213	0.0010	mg/Kg wet	0.0200		107	70-130	3.72	20	
2,2-Dichloropropane	0.0220	0.010	mg/Kg wet	0.0200		110	70-130	1.10	20	
1,1-Dichloropropene	0.0210	0.0040	mg/Kg wet	0.0200		105	70-130	0.380	20	
cis-1,3-Dichloropropene	0.0198	0.010	mg/Kg wet	0.0200		99.0	70-130	0.303	20	
trans-1,3-Dichloropropene	0.0221	0.010	mg/Kg wet	0.0200		111	70-130	3.40	20	
Diethyl Ether	0.0180	0.010	mg/Kg wet	0.0200		89.8	70-130	0.666	20	
Diisopropyl Ether (DIPE)	0.0184	0.0010	mg/Kg wet	0.0200		92.2	70-130	0.653	20	
1,4-Dioxane	0.180	0.10	mg/Kg wet	0.200		89.8	40-160	1.81	20	V-16 †
Ethylbenzene	0.0240	0.0020	mg/Kg wet	0.0200		120	70-130	1.68	20	
Hexachlorobutadiene	0.0249	0.0020	mg/Kg wet	0.0200		125	70-130	5.35	20	
2-Hexanone (MBK)	0.199	0.020	mg/Kg wet	0.200		99.5	40-160	2.61	20	†
Isopropylbenzene (Cumene)	0.0246	0.0040	mg/Kg wet	0.0200		123	70-130	1.97	20	
p-Isopropyltoluene (p-Cymene)	0.0247	0.0020	mg/Kg wet	0.0200		123	70-130	2.88	20	
Methyl tert-Butyl Ether (MTBE)	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130	0.00	20	
Methylene Chloride	0.0184	0.010	mg/Kg wet	0.0200		92.2	70-130	2.64	20	
4-Methyl-2-pentanone (MIBK)	0.206	0.020	mg/Kg wet	0.200		103	40-160	3.68	20	†
Naphthalene	0.0178	0.010	mg/Kg wet	0.0200		88.8	70-130	5.67	20	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B135648 - SW-846 5035										
LCS Dup (B135648-BSD1)										
Prepared & Analyzed: 11/17/15										
n-Propylbenzene	0.0248	0.0040	mg/Kg wet	0.0200		124	70-130	3.45	20	
Styrene	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130	3.15	20	
1,1,1,2-Tetrachloroethane	0.0237	0.010	mg/Kg wet	0.0200		119	70-130	5.19	20	
1,1,2,2-Tetrachloroethane	0.0227	0.0010	mg/Kg wet	0.0200		113	70-130	4.60	20	
Tetrachloroethylene	0.0229	0.010	mg/Kg wet	0.0200		114	70-130	2.66	20	
Tetrahydrofuran	0.0195	0.010	mg/Kg wet	0.0200		97.5	70-130	6.57	20	
Toluene	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130	0.623	20	
1,2,3-Trichlorobenzene	0.0181	0.0040	mg/Kg wet	0.0200		90.7	70-130	2.23	20	
1,2,4-Trichlorobenzene	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130	2.96	20	
1,1,1-Trichloroethane	0.0224	0.0040	mg/Kg wet	0.0200		112	70-130	1.77	20	
1,1,2-Trichloroethane	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130	2.12	20	
Trichloroethylene	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130	1.17	20	
Trichlorofluoromethane (Freon 11)	0.0184	0.010	mg/Kg wet	0.0200		92.2	70-130	2.86	20	
1,2,3-Trichloropropane	0.0252	0.0020	mg/Kg wet	0.0200		126	70-130	13.9	20	
1,2,4-Trimethylbenzene	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130	2.88	20	
1,3,5-Trimethylbenzene	0.0221	0.010	mg/Kg wet	0.0200		110	70-130	3.03	20	
Vinyl Chloride	0.0178	0.010	mg/Kg wet	0.0200		88.9	70-130	3.08	20	
m+p Xylene	0.0480	0.0040	mg/Kg wet	0.0400		120	70-130	2.23	20	
o-Xylene	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130	2.62	20	
Surrogate: 1,2-Dichloroethane-d4	0.0471		mg/Kg wet	0.0500		94.2	70-130			
Surrogate: Toluene-d8	0.0498		mg/Kg wet	0.0500		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0500		mg/Kg wet	0.0500		100	70-130			

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B135108 - SW-846 3546										
Blank (B135108-BLK1)										
Prepared: 11/11/15 Analyzed: 11/12/15										
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.146		mg/Kg wet	0.200		73.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.155		mg/Kg wet	0.200		77.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.136		mg/Kg wet	0.200		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.140		mg/Kg wet	0.200		69.8	30-150			
LCS (B135108-BS1)										
Prepared: 11/11/15 Analyzed: 11/12/15										
Aroclor-1016	0.14	0.020	mg/Kg wet	0.200		71.2	40-140			
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.200		74.9	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		72.4	40-140			
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.200		75.7	40-140			
Surrogate: Decachlorobiphenyl	0.134		mg/Kg wet	0.200		67.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.144		mg/Kg wet	0.200		71.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.131		mg/Kg wet	0.200		65.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.133		mg/Kg wet	0.200		66.6	30-150			
LCS Dup (B135108-BSD1)										
Prepared: 11/11/15 Analyzed: 11/12/15										
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.8	40-140	21.9	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.9	40-140	19.4	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.7	40-140	15.6	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.0	40-140	15.0	30	
Surrogate: Decachlorobiphenyl	0.153		mg/Kg wet	0.200		76.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.163		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.161		mg/Kg wet	0.200		80.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.164		mg/Kg wet	0.200		81.9	30-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B135020 - SW-846 3050B										
Blank (B135020-BLK1)					Prepared: 11/10/15 Analyzed: 11/11/15					
Lead	ND	0.75	mg/Kg wet							
LCS (B135020-BS1)					Prepared: 11/10/15 Analyzed: 11/11/15					
Lead	120	1.5	mg/Kg wet	130		92.2	82.4-117.8			
LCS Dup (B135020-BSD1)					Prepared: 11/10/15 Analyzed: 11/11/15					
Lead	112	1.5	mg/Kg wet	130		86.0	82.4-117.8	6.89	30	
MRL Check (B135020-MRL1)					Prepared: 11/10/15 Analyzed: 11/11/15					
Lead	0.664	0.70	mg/Kg wet	0.695		95.6	80-120			

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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
No results have been blank subtracted unless specified in the case narrative section.
- L-14 Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
 - O-03 Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
 - O-32 A dilution was performed as part of the standard analytical procedure.
 - R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
 - V-16 Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
 - V-20 Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010C in Soil	
Lead	CT,NH,NY,AIHA,ME,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NY,NC
Aroclor-1262 [2C]	NY,NC
Aroclor-1268	NY,NC
Aroclor-1268 [2C]	NY,NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260C in Soil</i>	
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Public Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2016
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

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Sample Receipt Checklist

CLIENT NAME: Friends of Lake Warner and Mill River RECEIVED BY: VP DATE: 11/9/15

- 1) Was the chain(s) of custody relinquished and signed? Yes No No CoC Included
- 2) Does the chain agree with the samples? Yes No
 If not, explain:
- 3) Are all the samples in good condition? Yes No
 If not, explain:

4) How were the samples received:
 On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.3

5) Are there Dissolved samples for the lab to filter? Yes No
 Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
 Who was notified _____ Date _____ Time _____

7) Location where samples are stored: R Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

8) Do all samples have the proper Acid pH: Yes No N/A _____

9) Do all samples have the proper Base pH: Yes No N/A _____

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No N/A _____

Containers received at Con-Test

		# of containers			# of containers
1 Liter Amber			8 oz amber clear jar		2
500 mL Amber			4 oz amber/clear jar		
250 mL Amber (8oz amber)			2 oz amber clear jar		2
1 Liter Plastic			Plastic Bag / Ziploc		
500 mL Plastic			SOC Kit		
250 mL plastic			Non-ConTest Container		
40 mL Vial - type listed below	6		Perchlorate Kit		
Colisure / bacteria bottle			Flashpoint bottle		
Dissolved Oxygen bottle			Other glass jar		
Encore			Other		

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 2
 Doc# 277 # Bisulfate 4 # DI Water _____
 Rev. 4 August 2013 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>		<u>Comment</u>
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	T		
3) Samples were received on ice.	T		
4) Cooler Temperature is acceptable.	T		
5) Cooler Temperature is recorded.	T		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	T		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

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Who notified of False statements?

Log-In Technician Initials: VE

Date/Time:

Date/Time: 11/9/15 1555