con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 14, 2014

Rob Smith
Cardno ATC Associates - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089

Project Location: 495-C
Client Job Number:
Project Number: 081.28126-0287
Laboratory Work Order Number: 14J0311

Enclosed are results of analyses for samples received by the laboratory on October 7, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

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Cardno ATC Associates - West Springfield
73 Williams Franks Drive
West Springfield, MA 01089
ATTN: Rob Smith

REPORT DATE: 10/14/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 081.28126-0287

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14J0311

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

PROJECT LOCATION: 495-C

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Comp	14J0311-01	Soil		SM 2540G	
				SW-846 1010	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8100 Modified	
				SW-846 8260C	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	

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CASE NARRATIVE SUMMARY

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

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SW-846 8260C

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Vinyl Chloride

14J0311-01[Comp], B106753-BLK1, B106753-BS1, B106753-BSD1

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.

Analyte & Samples(s) Qualified:

2-Butanone (MEK)

B106753-BS1, B106753-BSD1

2-Hexanone (MBK)

B106753-BS1, B106753-BSD1

Bromomethane

B106753-BS1, B106753-BSD1

Chloromethane

B106753-BS1

Dichlorodifluoromethane (Freon 12

B106753-BS1, B106753-BSD1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

14J0311-01[Comp], B106753-BLK1, B106753-BS1, B106753-BSD1

1,2,4-Trichlorobenzene

14J0311-01[Comp], B106753-BLK1, B106753-BS1, B106753-BSD1

Bromoform

14J0311-01[Comp], B106753-BLK1, B106753-BS1, B106753-BSD1

Naphthalene

14J0311-01[Comp], B106753-BLK1, B106753-BS1, B106753-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

14J0311-01[Comp], B106753-BLK1, B106753-BS1, B106753-BSD1

SW-846 9045C

Qualifications:

H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

14J0311-01[Comp]

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SW-846 8100 Modified

TPH (C9-C36) is quantitated against a calibration made with a diesel standard.

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.

Tod E. Kopyscinski
Laboratory Director

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Project Location: 495-C | Sample Description: | Work Order: 14J0311

Date Received: 10/7/2014

Field Sample #: Comp | Sampled: 10/6/2014 12:00

Sample ID: 14J0311-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Benzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Bromobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Bromochloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Bromodichloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Bromoform	ND	0.0025	mg/Kg dry	1	V-05	SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
2-Butanone (MEK)	ND	0.050	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
sec-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
tert-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Carbon Disulfide	ND	0.0074	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Chlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Chloroform	ND	0.0050	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
2-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
4-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Dibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,3-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,4-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,1-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,1-Dichloroethylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
cis-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
trans-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
2,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,1-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Diethyl Ether	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Diisopropyl Ether (DIPE)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,4-Dioxane	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Ethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF

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

Project Location: 495-C | Sample Description: | Work Order: 14J0311

Date Received: 10/7/2014

Field Sample #: Comp | Sampled: 10/6/2014 12:00

Sample ID: 14J0311-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
2-Hexanone (MBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Naphthalene	ND	0.012	mg/Kg dry	1	V-05	SW-846 8260C	10/8/14	10/8/14 15:58	MFF
n-Propylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Styrene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Tetrachloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Toluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2,3-Trichlorobenzene	ND	0.0050	mg/Kg dry	1	V-05	SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2,4-Trichlorobenzene	ND	0.0050	mg/Kg dry	1	V-05	SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,1,1-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,1,2-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Trichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2,3-Trichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,2,4-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
1,3,5-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1	L-04	SW-846 8260C	10/8/14	10/8/14 15:58	MFF
m+p Xylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF
o-Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	10/8/14	10/8/14 15:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		10/8/14 15:58
Toluene-d8	100	70-130		10/8/14 15:58
4-Bromofluorobenzene	97.6	70-130		10/8/14 15:58

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Project Location: 495-C | Sample Description: | Work Order: 14J0311

Date Received: 10/7/2014

Field Sample #: Comp | Sampled: 10/6/2014 12:00

Sample ID: 14J0311-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	10/7/14	10/8/14 22:47	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.5	30-150		10/8/14 22:47
Decachlorobiphenyl [2]	85.1	30-150		10/8/14 22:47
Tetrachloro-m-xylene [1]	80.3	30-150		10/8/14 22:47
Tetrachloro-m-xylene [2]	88.1	30-150		10/8/14 22:47

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Project Location: 495-C | Sample Description: | Work Order: 14J0311

Date Received: 10/7/2014

Field Sample #: Comp | Sampled: 10/6/2014 12:00

Sample ID: 14J0311-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH (C9-C36)	1100	54	mg/Kg dry	5		SW-846 8100 Modified	10/8/14	10/8/14 21:14	SCS

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
o-Terphenyl	74.2	40-140				10/8/14 21:14	

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Project Location: 495-C | Sample Description: | Work Order: 14J0311

Date Received: 10/7/2014

Field Sample #: Comp | Sampled: 10/6/2014 12:00

Sample ID: 14J0311-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	3.2	mg/Kg dry	1		SW-846 6010C	10/8/14	10/9/14 14:58	OP
Cadmium	ND	0.32	mg/Kg dry	1		SW-846 6010C	10/8/14	10/9/14 14:58	OP
Chromium	27	0.63	mg/Kg dry	1		SW-846 6010C	10/8/14	10/9/14 14:58	OP
Lead	9.6	0.95	mg/Kg dry	1		SW-846 6010C	10/8/14	10/9/14 14:58	OP
Mercury	ND	0.032	mg/Kg dry	1		SW-846 7471B	10/8/14	10/10/14 16:10	SCB

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Project Location: 495-C | Sample Description: | Work Order: 14J0311

Date Received: 10/7/2014

Field Sample #: Comp | Sampled: 10/6/2014 12:00

Sample ID: 14J0311-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Flashpoint	> 212 °F		°F	1		SW-846 1010	10/8/14	10/8/14 15:10	ABH
pH @20.3°C	6.5		pH Units	1	H-03	SW-846 9045C	10/8/14	10/8/14 8:40	LL
Reactive Cyanide	ND	3.9	mg/Kg	1		SW-846 9014	10/8/14	10/8/14 15:30	AG
Reactive Sulfide	ND	19	mg/Kg	1		SW-846 9030A	10/8/14	10/9/14 10:30	LL
% Solids	77.6		% Wt	1		SM 2540G	10/7/14	10/8/14 9:37	MRL

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
14J0311-01 [Comp]	B106705	10/07/14

SW-846 1010

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106767	50.0	50.0	10/08/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106780	1.02	50.0	10/08/14

Prep Method: SW-846 7470A/7471A-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106783	0.602	50.0	10/08/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106703	10.4	10.0	10/07/14

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106706	30.0	1.00	10/08/14

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106753	5.20	10.0	10/08/14

SW-846 9014

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106727	25.9	250	10/08/14

SW-846 9030A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
14J0311-01 [Comp]	B106786	25.9	250	10/08/14

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Sample Extraction Data

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
14J0311-01 [Comp]	B106714	20.0	10/08/14

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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 B106753 - SW-846 5035										
Blank (B106753-BLK1)				Prepared & Analyzed: 10/08/14						
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	0.0020	mg/Kg wet							V-05
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	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	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	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	0.0020	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	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	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	0.0020	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							V-05

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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 B106753 - SW-846 5035											
Blank (B106753-BLK1)				Prepared & Analyzed: 10/08/14							
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	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							V-05	
1,2,4-Trichlorobenzene	ND	0.0040	mg/Kg wet							V-05	
1,1,1-Trichloroethane	ND	0.0020	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	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet							L-04	
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0521*		mg/Kg wet	0.0500		104	70-130				
Surrogate: Toluene-d8	*0.0501*		mg/Kg wet	0.0500		100	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0483*		mg/Kg wet	0.0500		96.6	70-130				
LCS (B106753-BS1)				Prepared & Analyzed: 10/08/14							
Acetone	0.241	0.10	mg/Kg wet	0.200		120	40-160				†
tert-Amyl Methyl Ether (TAME)	0.0196	0.0010	mg/Kg wet	0.0200		98.0	70-130				
Benzene	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130				
Bromobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130				
Bromochloromethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130				
Bromodichloromethane	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130				
Bromoform	0.0168	0.0020	mg/Kg wet	0.0200		84.1	70-130			V-05	
Bromomethane	0.0111	0.010	mg/Kg wet	0.0200		55.3	40-160			L-14	†
2-Butanone (MEK)	0.266	0.040	mg/Kg wet	0.200		133	40-160			L-14	†
n-Butylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130				
sec-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
tert-Butylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0209	0.0010	mg/Kg wet	0.0200		105	70-130				
Carbon Disulfide	0.0185	0.0060	mg/Kg wet	0.0200		92.5	70-130				
Carbon Tetrachloride	0.0185	0.0020	mg/Kg wet	0.0200		92.7	70-130				
Chlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
Chlorodibromomethane	0.0185	0.0010	mg/Kg wet	0.0200		92.3	70-130				
Chloroethane	0.0169	0.010	mg/Kg wet	0.0200		84.4	70-130				
Chloroform	0.0204	0.0040	mg/Kg wet	0.0200		102	70-130				
Chloromethane	0.0138	0.010	mg/Kg wet	0.0200		69.1	40-160			L-14	†
2-Chlorotoluene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130				
4-Chlorotoluene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0184	0.0020	mg/Kg wet	0.0200		92.2	70-130				
1,2-Dibromoethane (EDB)	0.0205	0.0010	mg/Kg wet	0.0200		102	70-130				
Dibromomethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
1,2-Dichlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
1,3-Dichlorobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130				
1,4-Dichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B106753 - SW-846 5035												
LCS (B106753-BS1)				Prepared & Analyzed: 10/08/14								
Dichlorodifluoromethane (Freon 12)	0.0114	0.010	mg/Kg wet	0.0200		57.0		40-160			L-14	†
1,1-Dichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130				
1,2-Dichloroethane	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130				
1,1-Dichloroethylene	0.0185	0.0040	mg/Kg wet	0.0200		92.7		70-130				
cis-1,2-Dichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130				
trans-1,2-Dichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130				
1,2-Dichloropropane	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130				
1,3-Dichloropropane	0.0202	0.0010	mg/Kg wet	0.0200		101		70-130				
2,2-Dichloropropane	0.0185	0.0020	mg/Kg wet	0.0200		92.6		70-130				
1,1-Dichloropropene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130				
cis-1,3-Dichloropropene	0.0204	0.0010	mg/Kg wet	0.0200		102		70-130				
trans-1,3-Dichloropropene	0.0216	0.0010	mg/Kg wet	0.0200		108		70-130				
Diethyl Ether	0.0195	0.010	mg/Kg wet	0.0200		97.5		70-130				
Diisopropyl Ether (DIPE)	0.0215	0.0010	mg/Kg wet	0.0200		108		70-130				
1,4-Dioxane	0.188	0.10	mg/Kg wet	0.200		94.2		40-160			V-16	†
Ethylbenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5		70-130				
Hexachlorobutadiene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130				
2-Hexanone (MBK)	0.266	0.020	mg/Kg wet	0.200		133		40-160			L-14	†
Isopropylbenzene (Cumene)	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130				
p-Isopropyltoluene (p-Cymene)	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130				
Methyl tert-Butyl Ether (MTBE)	0.0206	0.0040	mg/Kg wet	0.0200		103		70-130				
Methylene Chloride	0.0218	0.010	mg/Kg wet	0.0200		109		70-130				
4-Methyl-2-pentanone (MIBK)	0.221	0.020	mg/Kg wet	0.200		111		40-160				†
Naphthalene	0.0176	0.010	mg/Kg wet	0.0200		87.8		70-130			V-05	
n-Propylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130				
Styrene	0.0201	0.0020	mg/Kg wet	0.0200		100		70-130				
1,1,1,2-Tetrachloroethane	0.0201	0.0020	mg/Kg wet	0.0200		100		70-130				
1,1,2,2-Tetrachloroethane	0.0203	0.0010	mg/Kg wet	0.0200		102		70-130				
Tetrachloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130				
Tetrahydrofuran	0.0214	0.010	mg/Kg wet	0.0200		107		70-130				
Toluene	0.0190	0.0020	mg/Kg wet	0.0200		95.1		70-130				
1,2,3-Trichlorobenzene	0.0173	0.0040	mg/Kg wet	0.0200		86.7		70-130			V-05	
1,2,4-Trichlorobenzene	0.0169	0.0040	mg/Kg wet	0.0200		84.7		70-130			V-05	
1,1,1-Trichloroethane	0.0194	0.0020	mg/Kg wet	0.0200		97.0		70-130				
1,1,2-Trichloroethane	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130				
Trichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200		98.8		70-130				
Trichlorofluoromethane (Freon 11)	0.0173	0.010	mg/Kg wet	0.0200		86.3		70-130				
1,2,3-Trichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		96.8		70-130				
1,2,4-Trimethylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130				
1,3,5-Trimethylbenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.6		70-130				
Vinyl Chloride	0.0134	0.010	mg/Kg wet	0.0200		**66.8**	*	70-130			L-04	
m+p Xylene	0.0407	0.0040	mg/Kg wet	0.0400		102		70-130				
o-Xylene	0.0205	0.0020	mg/Kg wet	0.0200		103		70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0514*		mg/Kg wet	0.0500		103		70-130				
Surrogate: Toluene-d8	*0.0502*		mg/Kg wet	0.0500		100		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0490*		mg/Kg wet	0.0500		98.0		70-130				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B106753 - SW-846 5035											
LCS Dup (B106753-BSD1)				Prepared & Analyzed: 10/08/14							
Acetone	0.261	0.10	mg/Kg wet	0.200		130	40-160	7.99	20		†
tert-Amyl Methyl Ether (TAME)	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130	4.78	20		
Benzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	3.85	20		
Bromobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	3.10	20		
Bromochloromethane	0.0230	0.0020	mg/Kg wet	0.0200		115	70-130	3.55	20		
Bromodichloromethane	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	2.41	20		
Bromoform	0.0182	0.0020	mg/Kg wet	0.0200		90.8	70-130	7.66	20	V-05	
Bromomethane	0.0128	0.010	mg/Kg wet	0.0200		64.0	40-160	14.6	20	L-14	†
2-Butanone (MEK)	0.280	0.040	mg/Kg wet	0.200		140	40-160	5.09	20	L-14	†
n-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	4.44	20		
sec-Butylbenzene	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130	4.87	20		
tert-Butylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	3.20	20		
tert-Butyl Ethyl Ether (TBEE)	0.0217	0.0010	mg/Kg wet	0.0200		108	70-130	3.66	20		
Carbon Disulfide	0.0193	0.0060	mg/Kg wet	0.0200		96.6	70-130	4.34	20		
Carbon Tetrachloride	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130	4.22	20		
Chlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	3.25	20		
Chlorodibromomethane	0.0193	0.0010	mg/Kg wet	0.0200		96.6	70-130	4.55	20		
Chloroethane	0.0177	0.010	mg/Kg wet	0.0200		88.3	70-130	4.52	20		
Chloroform	0.0213	0.0040	mg/Kg wet	0.0200		106	70-130	4.32	20		
Chloromethane	0.0141	0.010	mg/Kg wet	0.0200		70.6	40-160	2.15	20		†
2-Chlorotoluene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	4.32	20		
4-Chlorotoluene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	3.84	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	8.71	20		
1,2-Dibromoethane (EDB)	0.0212	0.0010	mg/Kg wet	0.0200		106	70-130	3.65	20		
Dibromomethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130	4.47	20		
1,2-Dichlorobenzene	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130	5.20	20		
1,3-Dichlorobenzene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	5.21	20		
1,4-Dichlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	3.36	20		
Dichlorodifluoromethane (Freon 12)	0.0115	0.010	mg/Kg wet	0.0200		57.4	40-160	0.699	20	L-14	†
1,1-Dichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	3.72	20		
1,2-Dichloroethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	3.99	20		
1,1-Dichloroethylene	0.0196	0.0040	mg/Kg wet	0.0200		98.2	70-130	5.76	20		
cis-1,2-Dichloroethylene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	3.83	20		
trans-1,2-Dichloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	3.33	20		
1,2-Dichloropropane	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	3.72	20		
1,3-Dichloropropane	0.0212	0.0010	mg/Kg wet	0.0200		106	70-130	4.93	20		
2,2-Dichloropropane	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130	3.40	20		
1,1-Dichloropropene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	1.82	20		
cis-1,3-Dichloropropene	0.0210	0.0010	mg/Kg wet	0.0200		105	70-130	2.89	20		
trans-1,3-Dichloropropene	0.0223	0.0010	mg/Kg wet	0.0200		112	70-130	3.19	20		
Diethyl Ether	0.0203	0.010	mg/Kg wet	0.0200		101	70-130	3.82	20		
Diisopropyl Ether (DIPE)	0.0221	0.0010	mg/Kg wet	0.0200		111	70-130	2.84	20		
1,4-Dioxane	0.211	0.10	mg/Kg wet	0.200		106	40-160	11.3	20	V-16	†
Ethylbenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	2.58	20		
Hexachlorobutadiene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	2.78	20		
2-Hexanone (MBK)	0.281	0.020	mg/Kg wet	0.200		141	40-160	5.50	20	L-14	†
Isopropylbenzene (Cumene)	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130	3.75	20		
p-Isopropyltoluene (p-Cymene)	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	3.24	20		
Methyl tert-Butyl Ether (MTBE)	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130	2.87	20		
Methylene Chloride	0.0230	0.010	mg/Kg wet	0.0200		115	70-130	5.26	20		
4-Methyl-2-pentanone (MIBK)	0.237	0.020	mg/Kg wet	0.200		118	40-160	6.90	20		†
Naphthalene	0.0182	0.010	mg/Kg wet	0.0200		90.8	70-130	3.36	20	V-05	

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B106753 - SW-846 5035											
LCS Dup (B106753-BSD1)				Prepared & Analyzed: 10/08/14							
n-Propylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	2.95	20	
Styrene	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130	3.71	20	
1,1,1,2-Tetrachloroethane	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130	0.397	20	
1,1,2,2-Tetrachloroethane	0.0214	0.0010	mg/Kg wet	0.0200		107		70-130	5.18	20	
Tetrachloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130	2.14	20	
Tetrahydrofuran	0.0221	0.010	mg/Kg wet	0.0200		110		70-130	3.22	20	
Toluene	0.0195	0.0020	mg/Kg wet	0.0200		97.7		70-130	2.70	20	
1,2,3-Trichlorobenzene	0.0173	0.0040	mg/Kg wet	0.0200		86.7		70-130	0.00	20	V-05
1,2,4-Trichlorobenzene	0.0174	0.0040	mg/Kg wet	0.0200		86.9		70-130	2.56	20	V-05
1,1,1-Trichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130	5.90	20	
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		103		70-130	2.25	20	
Trichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130	2.30	20	
Trichlorofluoromethane (Freon 11)	0.0184	0.010	mg/Kg wet	0.0200		92.2		70-130	6.61	20	
1,2,3-Trichloropropane	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130	7.75	20	
1,2,4-Trimethylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130	2.07	20	
1,3,5-Trimethylbenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	3.29	20	
Vinyl Chloride	0.0137	0.010	mg/Kg wet	0.0200		**68.7**	*	70-130	2.80	20	L-04
m+p Xylene	0.0417	0.0040	mg/Kg wet	0.0400		104		70-130	2.48	20	
o-Xylene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130	2.22	20	
Surrogate: 1,2-Dichloroethane-d4	*0.0531*		mg/Kg wet	0.0500		106		70-130			
Surrogate: Toluene-d8	*0.0504*		mg/Kg wet	0.0500		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0491*		mg/Kg wet	0.0500		98.2		70-130			

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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 B106703 - SW-846 3546										
Blank (B106703-BLK1)				Prepared: 10/07/14 Analyzed: 10/08/14						
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	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg wet	0.200		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
LCS (B106703-BS1)				Prepared: 10/07/14 Analyzed: 10/08/14						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.6	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		98.9	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg wet	0.200		93.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.214*		mg/Kg wet	0.200		107	30-150			
LCS Dup (B106703-BSD1)				Prepared: 10/07/14 Analyzed: 10/08/14						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		105	40-140	1.27	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.2	40-140	0.429	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		99.7	40-140	0.871	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140	0.210	30	
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B106706 - SW-846 3546										
Blank (B106706-BLK1)				Prepared & Analyzed: 10/08/14						
TPH (C9-C36)	ND	8.3	mg/Kg wet							
Surrogate: o-Terphenyl	*2.82*		mg/Kg wet	3.33		84.7	40-140			
LCS (B106706-BS1)				Prepared & Analyzed: 10/08/14						
TPH (C9-C36)	28.0	8.3	mg/Kg wet	33.3		84.1	40-140			
Surrogate: o-Terphenyl	*2.98*		mg/Kg wet	3.33		89.5	40-140			
LCS Dup (B106706-BSD1)				Prepared & Analyzed: 10/08/14						
TPH (C9-C36)	27.2	8.3	mg/Kg wet	33.3		81.7	40-140	2.82	30	
Surrogate: o-Terphenyl	*3.01*		mg/Kg wet	3.33		90.3	40-140			

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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 B106780 - SW-846 3050B										
Blank (B106780-BLK1)				Prepared: 10/08/14 Analyzed: 10/09/14						
Arsenic	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
LCS (B106780-BS1)				Prepared: 10/08/14 Analyzed: 10/09/14						
Arsenic	122	4.6	mg/Kg wet	122		100	77.8-122.1			
Cadmium	86.9	0.46	mg/Kg wet	88.0		98.7	81.9-118.2			
Chromium	98.6	0.93	mg/Kg wet	102		96.6	78.7-120.6			
Lead	90.4	1.4	mg/Kg wet	94.5		95.6	82.4-117.8			
LCS Dup (B106780-BSD1)				Prepared: 10/08/14 Analyzed: 10/09/14						
Arsenic	120	5.0	mg/Kg wet	122		98.3	77.8-122.1	2.06	30	
Cadmium	83.9	0.50	mg/Kg wet	88.0		95.3	81.9-118.2	3.55	30	
Chromium	95.2	1.0	mg/Kg wet	102		93.3	78.7-120.6	3.50	30	
Lead	96.4	1.5	mg/Kg wet	94.5		102	82.4-117.8	6.47	30	
MRL Check (B106780-MRL1)				Prepared: 10/08/14 Analyzed: 10/09/14						
Lead	0.838	0.75	mg/Kg wet	0.752		111	80-120			
Batch B106783 - SW-846 7470A/7471A										
Blank (B106783-BLK1)				Prepared: 10/08/14 Analyzed: 10/10/14						
Mercury	ND	0.025	mg/Kg wet							
LCS (B106783-BS1)				Prepared: 10/08/14 Analyzed: 10/10/14						
Mercury	5.21	0.39	mg/Kg wet	5.76		90.4	71.2-128.6			
LCS Dup (B106783-BSD1)				Prepared: 10/08/14 Analyzed: 10/10/14						
Mercury	5.63	0.38	mg/Kg wet	5.76		97.8	71.2-128.6	7.86	30	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B106714 - SW-846 9045C										
LCS (B106714-BS1)				Prepared & Analyzed: 10/08/14						
pH	6.01		pH Units	6.00		100	98.5-102			
Batch B106727 - SW-846 9014										
Blank (B106727-BLK1)				Prepared & Analyzed: 10/08/14						
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B106727-BS1)				Prepared & Analyzed: 10/08/14						
Reactive Cyanide	9.4	0.40	mg/Kg	10.0		94.4	81.3-113			
Batch B106767 - SW-846 1010										
Blank (B106767-BLK1)				Prepared & Analyzed: 10/08/14						
Flashpoint	> 212 °F		°F							
LCS (B106767-BS1)				Prepared & Analyzed: 10/08/14						
Flashpoint	81		°F	81.0		100	98.8-101			
LCS Dup (B106767-BSD1)				Prepared & Analyzed: 10/08/14						
Flashpoint	81		°F	81.0		100	98.8-101	0.00	0.264	
Batch B106786 - SW-846 9030A										
Blank (B106786-BLK1)				Prepared: 10/08/14 Analyzed: 10/09/14						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B106786-BS1)				Prepared: 10/08/14 Analyzed: 10/09/14						
Reactive Sulfide	14	2.0	mg/Kg	14.8		97.3	24.3-135			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B106703-BS1 Date(s) Analyzed: 10/08/2014 10/08/2014

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.20	6
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.21	6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B106703-BSD1 Date(s) Analyzed: 10/08/2014 10/08/2014

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.20	5
Aroclor-1260	1	0.00	0.00	0.00	0.20	
	2	0.00	0.00	0.00	0.21	5

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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.
H-03	Sample received after recommended holding time was exceeded.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
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.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 1010 in Soil	
Flashpoint	NY,NC,ME,VA,NJ
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA,NJ
Cadmium	CT,NH,NY,ME,NC,VA,NJ
Chromium	CT,NH,NY,ME,NC,VA,NJ
Lead	CT,NH,NY,AIHA,ME,NC,VA,NJ
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA,NJ
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acetone	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromobenzene	NH,NY,ME
Bromochloromethane	NH,NY,ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
1,3-Dichloropropane	NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
2,2-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME

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	06/30/2015
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

14J0311

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Company Name: Cardno
Address: 73 William Franks Drive
West Springfield MA 01089
Attention: Rob Smith / Joseph Balde
Project Location: 495-C
Sampled By: JB

Project Proposal Provided? (for billing purposes)
○ yes ______ proposal date

Telephone: 413-781-0070
Project # 82-28126.0287
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ☒ WEBSITE
~~Fax #~~ Rob.Smith@Cardno.com
Email: Joseph.Balde@Cardno.com
Format: ☒ PDF ☒ EXCEL ○ GIS
○ OTHER ______
○ "Enhanced Data Package"

		VOC by 8260	TPH / Flashpoint / PH	Reactivity (Sulfide Cyanide)	PCBs / Total Metals As, Cd, Cr, Hg, Pb								
# of Containers		4	1	1	1								
** Preservation		M/B	I	I	I								
***Container Code		V	A	A	A								

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection: Beginning Date/Time	Collection: Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code
01	Comp	10-6-14	1200	X		S	U

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N – Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other ______

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other ______

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) [signature]	10-6-14 1400
Received by: (signature) Sample Refrigerator	10-6-14 1400
Relinquished by: (signature) [signature]	10-7-14 1000
Received by: (signature) [signature]	10-7-14 1000

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: Ted Ondrick Disposal Parameters
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # ______

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

10-7-14 1620 [signature] 4.3° 10/7/14 16:20

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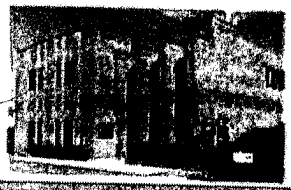

Sample Receipt Checklist

CLIENT NAME: Cardno RECEIVED BY: RB DATE: 10/7/14

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 Ashley Date 10/7/14 Time 16:20
7) Location where samples are stored: 19
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	3
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	4	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 2
Bisulfate 2 # DI Water _____
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

Question	Answer (True/False) T/F/NA	Comment
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.	F	
18) There is sufficient volume for all requsted 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.	F	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:** 10/7/14

Log-In Technician Initials: KB **Date/Time:** 16:20