...d-Atlantic
Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:26:00 AM			12/9/2014 4:38:00 PM

Sample ID	41587-18
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:45:00 AM			12/9/2014 4:53:00 PM

Sample ID	41587-19
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 10:40:00 AM			12/9/2014 5:07:00 PM

Sample ID	41587-20
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 10:50:00 AM			12/9/2014 5:21:00 PM

Sample ID	41587-21
Matrix	Oil

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A	9/22/2014 8:09:00 AM			12/9/2014 7:02:00 PM

Sample ID	41587-22
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 8:21:00 AM			12/9/2014 7:16:00 PM

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Sample ID	41587-23				
Matrix	Oil				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A	9/22/2014 8:49:00 AM			12/9/2014 7:30:00 PM

Sample ID	41587-24				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:07:00 AM			12/9/2014 7:45:00 PM

Sample ID	41587-25				
Matrix	Oil				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A	9/22/2014 9:22:00 AM			12/9/2014 7:59:00 PM

Sample ID	41587-26				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:28:00 AM			12/9/2014 8:13:00 PM

Sample ID	41587-27				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:46:00 AM			12/9/2014 8:28:00 PM

Sample ID	41587-28
Matrix	Oil

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Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A	9/22/2014 10:27:00 AM			12/9/2014 8:42:00 PM

Sample ID	41587-29
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 10:36:00 AM			12/9/2014 8:56:00 PM

Sample ID	41587-30
Matrix	Oil

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Oil	8082A	9/22/2014 12:25:00 PM			12/9/2014 9:11:00 PM

Sample ID	41587-31
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 12:39:00 PM			12/9/2014 9:25:00 PM

Sample ID	41587-32
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 12:45:00 PM			12/9/2014 9:40:00 PM

Sample ID	41587-33
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 1:03:00 PM			12/9/2014 9:55:00 PM

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Sample ID	41587-34
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 1:20:00 PM			12/9/2014 10:09:00 PM

Sample ID	41587-35
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 1:35:00 PM			12/9/2014 10:23:00 PM

Sample ID	41587-36
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 1:46:00 PM			12/9/2014 10:37:00 PM

Sample ID	41587-37
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 1:55:00 PM			12/9/2014 10:52:00 PM

Sample ID	41587-38
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 2:16:00 PM			12/9/2014 11:06:00 PM

Sample ID	41587-39
Matrix	Solid

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 2:26:00 PM			12/9/2014 11:20:00 PM

Sample ID	41587-40
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 2:40:00 PM			12/9/2014 11:34:00 PM

Sample ID	41587-41
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 7:55:00 AM			12/10/2014 12:45:00 AM

Sample ID	41587-42
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 8:10:00 AM			12/10/2014 12:59:00 AM

Sample ID	41587-43
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 8:20:00 AM			12/10/2014 1:13:00 AM

Sample ID	41587-44
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 8:35:00 AM			12/10/2014 1:27:00 AM

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Sample ID	41587-45				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 8:51:00 AM			12/10/2014 1:42:00 AM

Sample ID	41587-46				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:05:00 AM			12/10/2014 1:56:00 AM

Sample ID	41587-47				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:22:00 AM			12/10/2014 2:10:00 AM

Sample ID	41587-48				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:30:00 AM			12/10/2014 2:24:00 AM

Sample ID	41587-49				
Matrix	Solid				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:45:00 AM			12/10/2014 2:38:00 AM

Sample ID	41587-50
Matrix	Solid

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 9:56:00 AM			12/10/2014 2:53:00 AM

Sample ID	41587-51
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 10:25:00 AM			12/10/2014 3:07:00 AM

Sample ID	41587-52
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 10:45:00 AM			12/10/2014 3:21:00 AM

Sample ID	41587-53
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 11:00:00 AM			12/10/2014 3:35:00 AM

Sample ID	41587-54
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 12:25:00 PM			12/10/2014 3:50:00 AM

Sample ID	41587-55
Matrix	Solid

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Non-aqueous	8082A	9/22/2014 12:45:00 PM			12/10/2014 4:04:00 AM

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Sample ID	41587-56				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A	9/22/2014 12:31:00 PM			10/27/2014 6:05:00 AM

Sample ID	41587-57				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A	9/22/2014 1:00:00 PM			10/27/2014 6:27:00 AM

Sample ID	41587-58				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A	9/19/2014 2:00:00 PM			10/27/2014 6:48:00 AM

Sample ID	41587-59				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A	9/22/2014 10:56:00 AM			10/27/2014 7:10:00 AM

Sample ID	41587-60				
Matrix	Wipes				
Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A	9/22/2014 2:45:00 PM			10/27/2014 7:32:00 AM

Sample ID	41587-61
Matrix	Wipes

Mid-Atlantic Environmental Laboratories, Inc.

Laboratory Chronicle

Job ID	41587
Date / Time Received	10/17/2014 3:28:28 PM

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A	9/22/2014 9:58:00 AM			10/27/2014 7:53:00 AM

Sample ID	41587-62
Matrix	Wipes

Analysis	Method	Date/Time Sampled	Date/Time Tumbled	Date/Time Prepped	Date/Time Analyzed
PCBs - Wipe	8082A	9/22/2014 12:50:00 PM			10/27/2014 8:15:00 AM

Conformance Summary

Mid-Atlantic
Environmental Laboratories, Inc.

PCB GC/ECD Analysis Conformance Summary

	No	Yes
1. Chromatograms Labeled/Compounds Identified?	☐	☒
2. GC Calibration - Initial Calibration Performed Within 30 Days Of Sample Analysis and Continuing Calibration Performed Within 24 Hours Of Analysis?	☐	☒
3. ICV/CCV Meets Criteria (+/- 15%)?	☒	☐
4. Blank Contamination? – If yes, list compounds and concentrations found:	☒	☐

Compound Found	Concentration
_____	_____
_____	_____

	No	Yes
5. Surrogate Recoveries Meet Criteria? If not, write the percent recovery of the compound that falls outside the acceptable range:	☒	☐

Tetrachloro-m-xylene (TCMX) 301.6%, 152.3%, 186.0% [1]

Decachlorobiphenyl (DCB) 172.5%, 167.3% [1]

	No	Yes
6. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria? If not met, write the recovery of the compound that falls outside the acceptable range:	☐	☐

Compound	MS or MSD	% Recovery
Aroclor 1016	_____	_____
Aroclor 1260	_____	_____

	No	Yes
7. Retention Time Shift Meets Criteria?	☐	☒
8. Extraction Holding Time Met?	☐	☒
9. Analysis Holding Time Met?	☐	☒

Additional Comments:
[1] Matrix Interference
[2] Outside method limits but within laboratory acceptance limits
[3] Surrogate diluted out
[4] Sample concentration exceeded spike concentration
[5] Sample not spiked / spiked incorrectly
[6] Outside method limits

Prepared By: Brandon Cuffee Date: 1/2/15

Reviewed By: [illegible] Date: 1/2/15

11/11/2011

Form L-013 rev 3

Methodology Summary

Mid-Atlantic Environmental Laboratories, Inc

Methodology Summary

Lab Project #: 41587

41587-1

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-2

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-3

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-4

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-5

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-6

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-7

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-8

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-9

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-10

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-11

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-12

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-13

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-14

Analysis	Method ID
PCBs - Non-aqueous	8082A

Mid-Atlantic Environmental Laboratories, Inc

Methodology Summary

Lab Project #: 41587

41587-15

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-16

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-17

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-18

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-19

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-20

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-21

Analysis	Method ID
PCBs - Oil	8082A

41587-22

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-23

Analysis	Method ID
PCBs - Oil	8082A

41587-24

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-25

Analysis	Method ID
PCBs - Oil	8082A

41587-26

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-27

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-28

Analysis	Method ID
PCBs - Oil	8082A

Mid-Atlantic Environmental Laboratories, Inc

Methodology Summary

Lab Project #: 41587

41587-29

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-30

Analysis	Method ID
PCBs - Oil	8082A

41587-31

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-32

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-33

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-34

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-35

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-36

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-37

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-38

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-39

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-40

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-41

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-42

Analysis	Method ID
PCBs - Non-aqueous	8082A

Mid-Atlantic Environmental Laboratories, Inc

Methodology Summary

Lab Project #: 41587

41587-43

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-44

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-45

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-46

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-47

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-48

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-49

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-50

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-51

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-52

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-53

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-54

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-55

Analysis	Method ID
PCBs - Non-aqueous	8082A

41587-56

Analysis	Method ID
PCBs - Wipe	8082A

Mid-Atlantic Environmental Laboratories, Inc

Methodology Summary

Lab Project #: 41587

41587-57

Analysis	Method ID
PCBs - Wipe	8082A

41587-58

Analysis	Method ID
PCBs - Wipe	8082A

41587-59

Analysis	Method ID
PCBs - Wipe	8082A

41587-60

Analysis	Method ID
PCBs - Wipe	8082A

41587-61

Analysis	Method ID
PCBs - Wipe	8082A

41587-62

Analysis	Method ID
PCBs - Wipe	8082A

Mid-Atlantic Environmental Laboratories, Inc

Methodology Summary

Lab Project #: 41587

All analyses are adapted from one or more of the following reference methods:

"Guidelines Establishing Test Procedures for the Analysis of Pollutants"' Code of Federal Regulations, Vol. 40, Part 136
"Test Methods for Evaluating Solid Waste", SW846 Third Edition, September 1986, USEPA.
Code of Federal Regulations Vol. 40, Part 261, "Appendix II _ Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)".
Standard Methods for the Examination of Water and Wastewater", 20th edition
"Methods for the Chemical Analysis of Water and Wastes", EPA600/4-79-020, March 1983, U.S. EPA, EMSL
"Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM)
"Methods for the Determination of Organic Compounds in Drinking Water", EPA 600/4-88/039, December 1988

If applicable, all modifications to the standard methods are decribed in the following pages.

Abbreviations

U	Not Detected	B	Compound found in Method Blank
E	Estimated Concentration	J	Compound detected below reportable reporting limit, result estimated
NFL	No Free Liquid		
NR	Not Reactive	NA	Not Applicable
NS	Not Requested	NI	Not Ignitable
<	Less than the MDL or PQL	ND	Not Detected
NP	No PCB pattern detected	MDL	Method Detection Limit - specified by either the method or determined by performing an MDL study
LCS	Laboratory Control Sample		
BS	Blank Spike (Method Spike)		
MS/MSD	Matrix Spike/Matrix Spike Duplicate	PQL	Practical Quantitation Level
RSD	Relative Standard Deviation	RPD	Relative Percent Difference
NTU	Nephelometric Turbidity Units	umhos	Conductivity Units
deg. C	Degrees Celsius	ohms	Resistivity Units
deg. F	Degrees Fahrenheit	L	Liter
ppb	Parts Per Billion	ppm	Parts Per Million
ug	Microgram (1000 ug = 1 mg)	mg	Milligram (1000 mg = 1 g)
g	gram (1000 g = 1Kg)	kg	Kilogram
ul	Microliter (1000 ul = 1 ml)	ml	Milliliter (1000 ml = 1 L)
S.U.	Standard Unit		

PCBs

Mid-Atlantic
Environmental Laboratories, Inc.

PCB Batch QC Summary

Instrument: 1A **Matrix:** Solid
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 12/9/2014 **Analytical Batch #:** 120914 1a **Prep Batch #:** 102114pcb05

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 1000 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:1000 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 100 ppb *Initial weight: Final volume: 10ml*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	43.0937	86.2	35.2222	70.4 [6]		92.0	70.4 [6]
MB	NA	10/21/14	50.3308	100.7	58.8786	117.8	ND		
LCS	NA	10/21/14	42.2034	84.4	38.4232	76.8		99.3	76.8 [6]
41587-1	10/17/14	10/21/14	49.0189	98.0	38.6202	77.2	ND		
41587-2	10/17/14	10/21/14	60.3908	120.8	46.3597	92.7	ND		
41587-3	10/17/14	10/21/14	46.4337	92.9	38.6993	77.4	ND		
41587-4	10/17/14	10/21/14	50.3611	100.7	45.9363	91.9	ND		
41587-5	10/17/14	10/21/14	43.0097	86.0	49.3416	98.7	ND		
41587-6	10/17/14	10/21/14	44.0053	88.0	59.0260	118.1	ND		
41587-7	10/17/14	10/21/14	45.5203	91.0	55.2676	110.5	ND		
41587-8	10/17/14	10/21/14	37.9490	75.9	48.5544	97.1	ND		
41587-9	10/17/14	10/21/14	49.4747	98.9	55.2104	110.4	ND		
41587-10	10/17/14	10/21/14	46.8861	93.8	53.2010	106.4	ND		
41587-11	10/17/14	10/21/14	44.9084	89.8	62.9208	125.8	ND		
41587-12	10/17/14	10/21/14	44.6189	89.2	53.0884	106.2	ND		
41587-13	10/17/14	10/21/14	46.8622	93.7	56.8120	113.6	ND		
41587-14	10/17/14	10/21/14	48.6143	97.2	54.1792	108.4	ND		
41587-15	10/17/14	10/21/14	41.4818	83.0	44.9266	89.9	ND		
41587-16	10/17/14	10/21/14	48.5187	97.0	52.8398	105.7	ND		
41587-17	10/17/14	10/21/14	49.7062	99.4	64.0084	128.0	ND		
41587-18	10/17/14	10/21/14	48.6328	97.3	60.9945	122.0	ND		
41587-19	10/17/14	10/21/14	45.7198	91.4	56.4481	112.9	ND		
41587-20	10/17/14	10/21/14	50.0232	100.0	58.3670	116.7	ND		
CCV	NA	NA	47.3118	94.6	42.8992	85.8		122.6 [6]	85.8

[1] Matrix Interference
[3] Surrogate diluted out
[5] Sample not spiked/spiked incorrectly
[2] Outside method limits but within laboratory acceptance limits
[4] Sample concentration exceeds spike concentration
[6] Outside method limits

Mid-Atlantic
Environmental Laboratories, Inc.

PCB Batch QC Summary

Instrument: 1A **Matrix:** Solid
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 12/9/2014 **Analytical Batch #:** 120914 1a **Prep Batch #:** 102114pcb05

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 1000 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:1000 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 100 ppb *Initial weight: Final volume: 10ml*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	47.3118	94.6	42.8992	85.8		122.6 [6]	85.8
MB	NA	10/21/14	48.7550	97.5	45.3620	90.7	ND		
LCS	NA	10/21/14	52.1954	104.4	40.5234	81.0		100.7	95.0
41587-21	10/17/14	10/21/14	44.6729	89.3	43.2235	86.4	ND		
41587-22	10/17/14	10/21/14	36.2721	72.5	41.6360	83.3	ND		
41587-23	10/17/14	10/21/14	150.8177	301.6 [1]	46.8737	93.7	ND		
41587-24	10/17/14	10/21/14	35.4589	70.9	42.2529	84.5	ND		
41587-25	10/17/14	10/21/14	63.9262	127.9	51.3032	102.6	ND		
41587-26	10/17/14	10/21/14	36.8167	73.6	35.6795	71.4	ND		
41587-27	10/17/14	10/21/14	49.8862	99.8	39.8098	79.6	ND		
41587-28	10/17/14	10/21/14	57.0201	114.0	59.8238	119.6	ND		
41587-29	10/17/14	10/21/14	37.4188	74.8	53.0956	106.2	ND		
41587-30	10/17/14	10/21/14	76.1446	152.3 [1]	86.2647	172.5 [1]	ND		
41587-31	10/17/14	10/21/14	38.6347	77.3	40.4693	80.9	ND		
41587-32	10/17/14	10/21/14	40.5296	81.1	40.0137	80.0	ND		
41587-33	10/17/14	10/21/14	43.7988	87.6	38.2415	76.5	ND		
41587-34	10/17/14	10/21/14	44.8222	89.6	43.6532	87.3	ND		
41587-35	10/17/14	10/21/14	44.6039	89.2	52.7035	105.4	ND		
41587-36	10/17/14	10/21/14	45.2955	90.6	44.8744	89.7	ND		
41587-37	10/17/14	10/21/14	37.5797	75.2	35.8355	71.7	ND		
41587-38	10/17/14	10/21/14	45.0044	90.0	42.4904	85.0	ND		
41587-39	10/17/14	10/21/14	40.1956	80.4	36.2808	72.6	ND		
41587-40	10/17/14	10/21/14	43.4856	87.0	44.2881	88.6	ND		
CCV	NA	NA	44.0217	88.0	37.2280	74.5		97.0	81.1

[1] Matrix Interference
[3] Surrogate diluted out
[5] Sample not spiked/spiked incorrectly
[2] Outside method limits but within laboratory acceptance limits
[4] Sample concentration exceeds spike concentration
[6] Outside method limits

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PCB Batch QC Summary

Instrument: 1A **Matrix:** Solid
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 12/9/2014 **Analytical Batch #:** 120914 1a **Prep Batch #:** 102114pcb05

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 1000 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:1000 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 100 ppb *Initial weight: Final volume: 10ml*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	44.0217	88.0	37.2280	74.5		97.0	81.1
MB	NA	10/21/14	43.2848	86.6	39.7992	79.6	ND		
LCS	NA	10/21/14	40.5769	81.2	35.8227	71.6		83.8	88.0
41587-41	10/17/14	10/21/14	44.1506	88.3	40.3849	80.8	ND		
41587-42	10/17/14	10/21/14	43.9642	87.9	48.8901	97.8	ND		
41587-43	10/17/14	10/21/14	46.9135	93.8	56.7695	113.5	ND		
41587-44	10/17/14	10/21/14	51.2692	102.5	54.5653	109.1	ND		
41587-45	10/17/14	10/21/14	92.9847	186.0 [1]	83.6362	167.3 [1]	ND		
41587-46	10/17/14	10/21/14	44.2286	88.5	42.4895	85.0	ND		
41587-47	10/17/14	10/21/14	35.7284	71.5	45.1076	90.2	ND		
41587-48	10/17/14	10/21/14	36.2801	72.6	43.9622	87.9	ND		
41587-49	10/17/14	10/21/14	43.5902	87.2	48.7203	97.4	ND		
41587-50	10/17/14	10/21/14	39.1463	78.3	56.8132	113.6	ND		
41587-51	10/17/14	10/21/14	45.7939	91.6	54.0266	108.1	ND		
41587-52	10/17/14	10/21/14	54.6429	109.3	64.0047	128.0	ND		
41587-53	10/17/14	10/21/14	50.3996	100.8	53.1018	106.2	ND		
41587-54	10/17/14	10/21/14	50.3610	100.7	47.2246	94.4	ND		
41587-55	10/17/14	10/21/14	62.5946	125.2	60.2256	120.5	ND		
CCV	NA	NA	44.4750	88.9	39.2306	78.5		94.0	106.7

[1] Matrix Interference
[3] Surrogate diluted out
[5] Sample not spiked/spiked incorrectly
[2] Outside method limits but within laboratory acceptance limits
[4] Sample concentration exceeds spike concentration
[6] Outside method limits

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PCB Batch QC Summary

Instrument: 2A **Matrix:** Solid
Column: RTX-CLP 30 m x 1.5 um x 0.5 um I.D.
Date Analyzed: 10/26/2014 **Analytical Batch #:** 102614 2a **Prep Batch #:** 102114pcb07

Laboratory Control Sample (Method Spike) and Matrix Spike/Matrix Spike Duplicate concentration: 1000 ppb (QC +/- 30%)
Initial Calibration (ICV) and Continuing Calibration (CCV) concentration:1000 ppb (QC +/- 30%)
Instrument and Method Blanks are to be less than 100 ppb *Initial weight: Final volume: 10ml*

Sample Number	Date Received	Date Extracted	TCMX found	TCMX % Recovery	DCB found	DCB % Recovery	Conc Found	AR1016 % Recovery	AR1260 % Recovery
CCV	NA	NA	58.0858	116.2	61.2723	122.5		101.9	112.8
MB	NA	10/21/14	59.3866	118.8	58.9693	117.9	ND		
LCS	NA	10/21/14	60.6412	121.3	55.2153	110.4		91.8	94.7
41587-56	10/17/14	10/21/14	60.7149	121.4	55.3164	110.6	ND		
41587-57	10/17/14	10/21/14	50.9796	102.0	48.2250	96.4	ND		
41587-58	10/17/14	10/21/14	53.5203	107.0	52.1435	104.3	ND		
41587-59	10/17/14	10/21/14	51.9548	103.9	51.6210	103.2	ND		
41587-60	10/17/14	10/21/14	57.8785	115.8	54.1544	108.3	ND		
41587-61	10/17/14	10/21/14	54.8797	109.8	52.3303	104.7	ND		
41587-62	10/17/14	10/21/14	52.8733	105.7	51.5544	103.1	ND		
CCV	NA	NA	61.6824	123.4	59.0298	118.1		101.8	107.0

[1] Matrix Interference
[2] Outside method limits but within laboratory acceptance limits
[3] Surrogate diluted out
[4] Sample concentration exceeds spike concentration
[5] Sample not spiked/spiked incorrectly
[6] Outside method limits