July 15, 2014

Mr. Robert Filkins
New York State Department of Environmental Conservation
Department of Environmental Remediation, 12th Floor
625 Broadway
Albany, NY 12233-7016

Re: Goethals Bridge Replacement Project
Supplemental Remedial Investigation
Block 1885 Lot 50
The Port Authority of NY & NJ

Dear Mr. Filkins,

The Port Authority of New York & New Jersey (Port Authority) hereby submits this Supplemental Remedial Investigation letter report for the Port Authority owned property known as Block 1885 Lot 50, (Site).

At the request of the New York State Department of Environmental Conservation, (NYSDEC), a Supplemental Remedial Investigation was performed in order to vertically delineate the presence of PCBs at the boring NY-P01-SB2-5A location (see Figure 1). During the Phase II Investigation finalized by ARCADIS in October 2012, in support of the Goethals Bridge Replacement Project, PCBs were documented to be present on Site above NYSDEC Soil Cleanup Objectives (SCOs).

Results of the Supplemental Remedial Investigation are presented below.

Field Investigation – August 2013

Boring NY-P01-SB2-5A, where PCBs were previously identified, was located in the field using handheld GPS and marked. Vertical delineation boring NY-P01-SB-2-5B (Northing: 655358.63 Easting: 578104.05) was then located approximately 3.5 feet to the north-northwest of the original boring. Soil borings were located in accordance with the Supplemental Remedial Investigation Work Plan. See Figure 1 for soil boring locations.

Boring NY-P01-SB2-5B was drilled using a GeoProbe rig with a four-foot long sampler instead of using a conventional drill rig with split spoon samplers as originally proposed due to soft ground surface conditions. This soil boring was sampled continuously to a depth of 15 feet below grade. Due to low sample recoveries, another soil boring, (NY-P01-SB-2-5C) was advanced to collect sufficient sample volume. NY-P01-SB-2-5C (Northing: 655360.95 Easting: 578102.14) was drilled and sampled approximately 3 feet further north-northwest of Boring NY-P01-SB2-5B.

This soil boring was drilled to a depth of 20 feet below grade. Soil boring logs are presented in Appendix A.

Soil samples were collected continuously from 4 feet to 15 feet below grade at boring NY-P01-SB2-5B, and 8.5 feet to 20 feet below grade at boring NY-P01-SB2-5C. Soil samples were collected using Direct Push Macro Core sample tubes and eight discrete 6-inch interval samples were selected for laboratory analysis for PCBs per EPA method 8082.

Investigation Results

Based on the sample descriptions, the soils at the boring locations generally consisted of the following:

- 0 feet to 5 feet below grade Fill: Black to Grey sand, gravel and silt, with various amounts of brick, wood and glass. Groundwater was observed at approximately two feet below grade.
- 5 feet to 14.5 feet below grade Meadow Mat: Brown Peat.
- 14.5 feet to 20+ feet below grade Glacial Till: Red-Brown Silty Clay

At the completion of sampling, the borehole was allowed to collapse due to the shallow water table. The Upper two feet of the borehole was backfilled with surrounding soils and tamped. No soil cuttings were generated during drilling.

Laboratory analysis results are presented in Table 1 below. Results indicate that PCBs were found above its New York State Department of Environmental Conservation (NYSDEC) Industrial Soil Cleanup Objective of 1 ppm at one sample depth; 4 to 4.5 feet. At the remaining sample intervals, PCBs were below the criteria or not detected. Laboratory results are attached as Appendix B.

Table 1: Vertical Delineation Laboratory Results

Sample ID	arcolor-1260	PCBs (total)	RL
NY-P01-SB-2-5B-4-4.5	3.8	3.8	0.27
NY-P01-SB-2-5B-8-8.5	0.99	0.99	0.11
NY-P01-SB-2-5C-8.5-9	0.13	0.13	0.13
NY-P01-SB-2-5B-10.5-11	ND	ND	0.13
NY-P01-SB-2-5C-12-12.5	ND	ND	0.13
NY-P01-SB-2-5C-13.5-14	ND	ND	0.15
NY-P01-SB-2-5B-14.5-15	ND	ND	0.03
NY-P01-SB-2-5C-19.5-20	ND	ND	0.03

RL = Reporting Limit

Conclusion and Recommendation

Results of the Supplemental Remedial Investigation indicate the presence of PCBs above NYSDEC Industrial Soil Cleanup Objective of 1 mg/kg. The contaminated soil is limited to a depth of nine (9) feet below grade. The nine (9) feet below grade includes the Black to Dark Grey Sand Fill unit (0-4.5 feet below grade) and the upper four feet of the Brown Peat Unit. Laboratory results from samples collected below nine (9) feet, to a depth of 20 feet below grade, indicate PCBs are not present.

Sample results are consistent with the proposed Soil Excavation Work Plan for this area to excavate PCB contaminated soils to a depth of 10 feet below grade. As no PCBs were detected below the proposed excavation depth, the proposed Excavation Work Plan will not be modified.

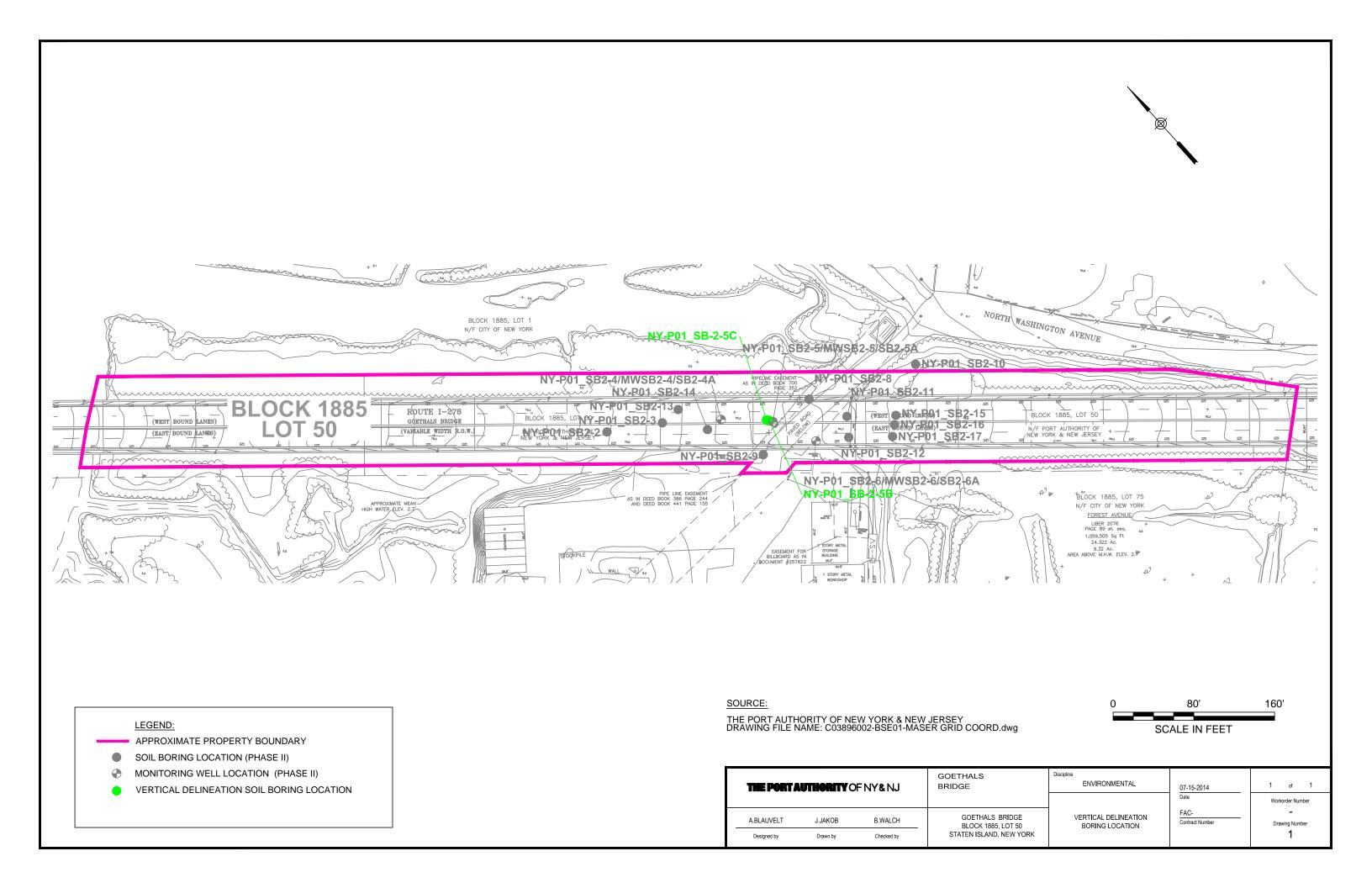
If you have any questions, please contact Andrew Blauvelt (973-565-7553, <u>ablauvelt@panynj.gov</u>) or Bruce Walch, (973-565-7579, <u>bwalch@panynj.gov</u>) of my staff.

Sincerely,

Robert P. Pruno, P.E.

Chief, Environmental Engineer

(973) 565-7620, rpruno@panynj.gov



APPENDIX A SOIL BORING LOGS



Engineering Department Materials Engineering

Boring Report

					1			NY-P01-			
Project	Goethals E	Bridge Vertic	al Delineat	ion	Contra	ctor	Craig	Boring No.	SB-2-5B	Date	8/23/13
Location	3.5' NNW (of Original L		3-2-5A)	_		Contract No.	426-13-048	Surface Elev.		
Spoon			Hammer/ Fall (in.)				G	round Water	Level		
Hammer T	уре	Geoprobe			ı	Date	Time Depth (ft) Rem			Remark	is .
Inspector		S. Baijnath									
Driller		D. Cooke									
site_code											
Sample No.	Start Depth (ft)	End Depth (ft)	Method	Spoon Blows/6"	Re- cov'd	PID Reading		Sample Desc	ription and Rer	narks	
	0.0	3.0	НА	Hand Auger	Full		Fill: black to da	ark grey c-f Sa	and, some Gra	vel, S	lt, little Brick
	3.0	4.5	HA	Hand Auger	Full		Misc. Fill: brov trace Glass. E level at 2.0' fro	Borehole kept	on collapsing		
	4.5	5.0	GP	Geoprobe	0.5'		SAME				
	5.0	10.0	GP	Geoprobe	2.5'		Brown Peat				
	10.0	14.5	GP	Geoprobe	3.0'		Brown Peat				
	14.5	15.0	GP	Geoprobe	0.5'		Red brown Silty Clay				
	15.0									Вс	ttom of Borin
							S-1 (4.0'-4.5')	@ 9:40 A / Du	uplicate Sampl	e; 0 pp	om
							S-2 (8.0'-8.5')	@ 9:45 A; 0.2	2 ppm		
							S-3 (10.5'-11.0	o') @ 9:50 A; :	20.2 ppm		
							S-4 (14.5'-15.0)') @ 9:51 A; (0 ppm		
					<u> </u>						



Engineering Department Materials Engineering

Boring Report

									NY-P01-		
Project	Goethals E	Bridge Vertic	al Delineat	ion	Contra	ctor	Craig	Boring No.	SB-2-5C	Date	8/23/13
Location	3.0' NNW (of Original L		3-2-5B)	ı		Contract No.	426-13-048	Surface Elev.		
Spoon			Hammer/ Fall (in.)				G	round Water	Level		
Hammer T	уре	Geoprobe			ı	Date	Time	Depth (ft)		Remarks	
Inspector		S. Baijnath									
Driller		D. Cooke									
site_code											
Sample No.	Start Depth (ft)	End Depth (ft)	Method	Spoon Blows/6"	Re- cov'd	PID Reading		Sample Desc	ription and Re	marks	
	0.0	3.0	НА	Hand Auger	Full		Fill: black to d	ark grey c-f Sa	and, some Gra	avel, Silt,	little Brick
	3.0	5.0	HA	Hand Auger	Full		Misc. Fill: brov trace Glass.	vn to black c-f	Sand, little Si	lt, Grave	I, Wood,
	5.0	10.0	GP	Geoprobe	2.9'		Brown Peat				
	10.0	14.5	GP	Geoprobe	3.1'		Brown Peat				
	14.5	20.0	GP	Geoprobe	2.8'		Red brown Silty Clay, trace Gravel				
	20.0						Bottom of Boring				
							S-1 (8.5'-9.0')	@ 10:35 A; 0¡	opm		
							S-2 (12.0'-12.5	5') @ 10:40 A;	0ppm		
							S-3 (13.5'-14.0	O') @ 10:41 A:	Oppm		
							S-4 (19.5'-20.0		Оррін		
							Field Blank: 1	1:15 AM			
	l	I.		1	1		1				

APPENDIX B LABORATORY DATA



175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004 2 MADISON ROAD, FAIRFIELD, NJ 07004 800-426-9992 · 973-244-9770 FAX: 973-244-9787

WWW.HCVLAB.COM

Project: GB-NY-P01

Client PO: CB07-272.117

Report To: PORT AUTHORITY OF NY & NJ

MATERIALS ENGINEERING DIV.

241 ERIE ST. ROOM 234

JERSEY CITY, NJ 07310-1397

Attn: D.Bailey/A.Zafirelis

Received Date: 8/26/2013

Report Date: 9/3/2013

Deliverables: NYDOH-R

Lab ID: AC74208

Lab Project No: 3082608

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Veritech to all parties shall not exceed Veritech's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director

OR

Stanley Gilewicz - Laboratory Director

NJ (07071) PA (68-00463) NY (ELAP11408) KY (90124) CT (PH-0671)





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Sample Summary

Client: PORT AUTHORITY OF NY & NJ

Project: GB-NY-P01

HCV Project #: 3082608

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC74208-001	201308231115-FB-1	Aqueous	8/23/2013	8/26/2013
AC74208-002	NY-P01-SB-2-5B-SO-10.5-201308230950	Soil	8/23/2013	8/26/2013
AC74208-003	NY-P01-SB-2-5B-SO-14.5-201308230951	Soil	8/23/2013	8/26/2013
AC74208-004	NY-P01-SB-2-5B-SO-4.0-201308230940	Soil	8/23/2013	8/26/2013
AC74208-005	NY-P01-SB-2-5B-SO-8.0-201308230945	Soil	8/23/2013	8/26/2013
AC74208-006	NY-P01-SB-2-5C-SO-12.0-201308231040	Soil	8/23/2013	8/26/2013
AC74208-007	NY-P01-SB-2-5C-SO-13.5-201308231041	Soil	8/23/2013	8/26/2013
AC74208-008	NY-P01-SB-2-5C-SO-19.5-201308231045	Soil	8/23/2013	8/26/2013
AC74208-009	NY-P01-SB-2-5C-SO-8.5-201308231035	Soil	8/23/2013	8/26/2013
AC74208-010	SO-201308230941-FD-1	Soil	8/23/2013	8/26/2013

HCV Case Narrative

Port Authority of NY & NJ

Project:

GB-NY-P01

HCV Project: 3082608

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

PCB Analysis:

Samples AC74208-004, 010 and AC74238-001 had one or more surrogates outside QC limits due to co-eluting interference.

The Matrix Spike and RPD for batch 26011 had recoveries outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Quality Assurance Director

Stanley Gilewicz **Laboratory Director**

3082608 0003

HCV Executive Summary

Client: PORT AUTHORITY OF NY & NJ

HCV Project #: 3082608

Project: GB-NY-P01

Lab#: AC74208-004

Sample ID: NY-P01-SB-2-5B-SO-4.0-201308

Analyte	Units	RL	Result	Analytical Method
Aroclor (Total)	mg/kg	0.27	3.8	EPA 8082
Aroclor-1260	mg/kg	0.27	3.8	EPA 8082

Lab#: AC74208-005

Sample ID: NY-P01-SB-2-5B-SO-8.0-201308

	•			Analytical
Analyte	Units	RL	Result	Method
Aroclor (Total)	 mg/kg:	0.11	0.99	EPA 8082
Aroclor-1260	mg/kg ·	0.11	0.99	EPA 8082

Lab#: AC74208-009

Sample ID: NY-P01-SB-2-5C-SO-8.5-201308

	-		· 		Analytical
Analyte		Units	RL	Result	Method
Aroclor (Total)		mg/kg	0.13	0.15	EPA 8082
Aroclor-1260		mg/kg	0.13	0.15	EPA 8082

Lab#: AC74208-010

Sample ID: SO-201308230941-FD-1

Analyte		Units	RL	Result	Analytical Method
Aroclor (Total)	:	mg/kg [®]	0.28	4.5	EPA 8082
Aroclor-1260		mg/kg [:]	0.28	4.5	EPA 8082

HCV Report Of Analysis

Client: PORT AUTHORITY OF NY & NJ

Project: GB-NY-P01

HCV Project #: 3082608

Sample ID: 201308231115-FB-1

Lab#: AC74208-001

Matrix: Aqueous

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

PCB 8082

Analyte	DF	Units	RL	Result
Arocior (Total)	1	ug/i	0.25	ND
Aroclor-1016	1	ug/l	0.25	ND
Aroclor-1221	. 1	ug/l	0.25	ND
Aroclor-1232	1	ug/l	0.25	ND
Aroclor-1242	1	ug/l	0.25	ND
Aroclor-1248	1	ug/l	0.25	ND
Aroclor-1254	1	ug/l	0.25	ND
Aroclor-1260	. 1	ug/l	0.25	ND

Sample ID: NY-P01-SB-2-5B-SO-10.5-201308230950

Lab#: AC74208-002

Matrix: Soil

Collection Date: 8/23/2013

0.13

Receipt Date: 8/26/2013

ND

% Solids SM2540G

Aroclor-1260

Analyte	DF	Units	RL	Result
% Solids	1	percent		19
B 8082	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.13	ND
Aroclor-1016	1	mg/kg	0.13	, ND
Aroclor-1221	1	mg/kg	0.13	ND
Aroctor-1232	. 1	mg/kg	0.13	ND
Aroclor-1242	1	mg/kg	0.13	ND
Aroclor-1248	1	mg/kg	0.13	ND
Aroclor-1254	1	mg/kg	0.13	ND

Sample ID: NY-P01-SB-2-5B-SO-14.5-201308230951

Lab#: AC74208-003

Matrix: Soil

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

% Solids SM2540G

 Analyte	DF	Units	RL	Result	
% Solids	1	percent		84	
 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

PCB 8082

Analyte				DF	Units	RL	Result
Aroclor (Total)				1	mg/kg	0.030	ND
Aroclor-1016				1	mg/kg	0.030	ND
Aroclor-1221				1	mg/kg	0.030	ND
Aroclor-1232		:	5	1	mg/kg	0.030	ND
Aroclor-1242		,		1	mg/kg	0.030	ND
Aroclor-1248				1	mg/kg	0.030	ND
Aroclor-1254	1		: -	1	mg/kg	0.030	ND
Aroclor-1260				1	mg/kg	0.030	ND

Sample ID: NY-P01-SB-2-5B-SO-4.0-201308230940

Lab#: AC74208-004

Matrix: Soil

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

% Solids SM2540G

Analyte	DF	Units	RL	Result	
% Solids	1	percent		91	
BOD 0000					

PCB 8082

Analyte		DF	Units	RL	Result
Aroclor (Total)		10	mg/kg	0.27	3.8
Aroclor-1016		10	mg/kg	0.27	ND
Aroclor-1221		10	mg/kg	0.27	ND
Aroclor-1232		10	mg/kg	0.27	ND
Aroclor-1242	;	10	mg/kg	0.27	ND
Aroclor-1248		10	mg/kg	0.27	ND
Aroclor-1254	· · · · · · · · · · · · · · · · · · ·	10	mg/kg	0.27	ND
Aroclor-1260	v .	10	ma/ka	0.27	3.8

Sample ID: NY-P01-SB-2-5B-SO-8.0-201308230945

Lab#: AC74208-005

Matrix: Soil

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		22
DOD 0000				A A

Analyte		DF	Units	RL	Result
Aroclor (Total)		1	mg/kg	0.11	0.99
Aroclor-1016		1	mg/kg	0.11	ND .
Aroclor-1221	3	1	mg/kg	0.11	ND
Aroclor-1232	÷	1	mg/kg	0.11	ND
Aroclor-1242		1	mg/kg	0.11	ND
Aroclor-1248		1	mg/kg	0.11	ND
Aroclor-1254		1	mg/kg	0.11	ND
Aroclor-1260	7	1	ma/ka	0.11	0.99

Sample ID: NY-P01-SB-2-5C-SO-12.0-201308231040

Lab#: AC74208-006

Matrix: Soil

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

ΝD

% Solids SM2540G

Aroclor-1260

Analyte	D			Result	
% Solids	1	pero	cent	20	

PCB 8082 Analyte DF Units RL Result Aroclor (Total) 1 0.13 ND mg/kg Aroclor-1016 mg/kg 0.13 ND Aroclor-1221 mg/kg 0.13 ND Aroclor-1232 ND mg/kg 0.13 Aroclor-1242 0.13 ND mg/kg Aroclor-1248 mg/kg 0.13 ΝD Aroclor-1254 0.13 ΝD mg/kg

mg/kg

0.13

Sample ID: NY-P01-SB-2-5C-SO-13.5-201308231041

Lab#: AC74208-007

Matrix: Soil

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

% Solids SM2540G

Analyte	DF	Units	RL	Result	
% Solids	1	percent		17	

PCB 8082

Analyte			DF	Units	RL	Result
Aroclor (Total)			1	mg/kg	0.15	ND
Aroclor-1016			1	mg/kg	0.15	ND
Aroclor-1221			1	mg/kg	0.15	ND
Aroclor-1232		,	1	mg/kg	0.15	ND
Aroclor-1242		2	1	mg/kg	0.15	ND
Aroclor-1248	-	į	1	mg/kg	0.15	ND
Aroclor-1254	=	1	1	mg/kg	0.15	ND
Aroclor-1260		:	1	mg/kg	0.15	ND

Sample ID: NY-P01-SB-2-5C-SO-19.5-201308231045

Lab#: AC74208-008

Matrix: Soil

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

% Solids SM2540G

Analyte	DF	Units	RL	Result	
% Solids	1	percent		84	

PCB 8082

Analyte		DF	Units	RL	Result
Aroclor (Total)		1	mg/kg	0.030	ND
Aroclor-1016		1	mg/kg	0.030	ND
Aroclor-1221		1	mg/kg	0.030	ND
Aroclor-1232	4	1	mg/kg	0.030	ND
Aroclor-1242	. :	1	mg/kg	0.030	ND
Aroclor-1248		1	mg/kg	0.030	ND
Aroclor-1254		1	mg/kg	0.030	ND
Aroclor-1260		1	ma/ka	0.030	ND

Sample ID: NY-P01-SB-2-5C-SO-8.5-201308231035

Lab#: AC74208-009

Matrix: Soil

Collection Date: 8/23/2013

0.13

0.13

0.13

0.13

Receipt Date: 8/26/2013

ND

ΝĐ

ND

0.15

% Solids SM2540G

Aroclor-1242

Aroclor-1248

Aroclor-1254

Aroclor-1260

Analyte		DF	Units	RL	Result
% Solids		1	percent		20
3 8082					
Analyte		DF	Units	RL	Result
Aroclor (Total)		1	mg/kg	0.13	0.15
Aroclor-1016		1	mg/kg	0.13	ND
Aroclor-1221	į	1	mg/kg	0.13	ND
Aroclor-1232	:	1	mg/kg	0.13	ND

mg/kg

mg/kg

mg/kg

mg/kg

Sample ID: SO-201308230941-FD-1

Lab#: AC74208-010

Matrix: Soil

Collection Date: 8/23/2013

Receipt Date: 8/26/2013

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

PCB 8082

Analyte				DF	Units	RL	Result
Aroclor (Total)				10	mg/kg	0.28	4.5
Aroclor-1016				10	mg/kg	0.28	ND
Aroclor-1221	4			10	mg/kg	0.28	ND
Aroclor-1232			,	10	mg/kg	0.28	· ND
Aroclor-1242	,			10	mg/kg	0.28	ND
Aroclor-1248	-	-		10	mg/kg	0.28	ND
Aroclor-1254				10	mg/kg	0.28	ND
Aroclor-1260			ŧ	10	mg/kg	0.28	4.5

HCV Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

DATA QUALIFIERS

- **B-** Indicates analyte was present in the Method Blank and sample.
- **d-** For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.
- **E-** Indicates the concentration exceeded the upper calibration range of the instrument.
- J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

^{*}Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.

Laboratory Chronicle

Client: PORT AUTHORITY OF NY & NJ

Project: GB-NY-P01

HCV Project #: 3082608

Lab#: AC74208-001	Sample ID: 201308231115-FB-1		

Test Code	Prep Method	Prep Date	Ву	Analytical Method	Analysis Date	Ву
PCB 8082	3510C/3550B	08/28/13	lynda	EPA 8082	8/28/13 21:03	MS

Lab#: AC74208-002 Sample ID: NY-P01-SB-2-5B-SO-10.5-201308230950

Test Code	Prep Method	Prep Date	Ву	Analytical Method	Analysis Date	Ву
% Solids SM2540G PCB 8082	3510C/3550B	08/28/13	smarwala	SM 2540G EPA 8082	8/27/13 00:00 8/29/13 10:06	hossain MS

Lab#: AC74208-003 Sample ID: NY-P01-SB-2-5B-SO-14.5-201308230951

	Prep	Prep		Analytical	Analysis		
Test Code	Method	Date	Ву	Method	Date	Ву	
% Solids SM2540G	÷			SM 2540G	8/27/13 00:00	hossain	
PCB 8082	3510C/3550B	08/28/13	smarwala	EPA 8082	8/29/13 10:21	MS	

Lab#: AC74208-004 Sample ID: NY-P01-SB-2-5B-SO-4.0-201308230940

Test Code	Prep Method	Prep Date	Ву	Analytical Method	Analysis Date	Ву
% Solids SM2540G PCB 8082	3510C/3550B	08/28/13	smarwala	SM 2540G EPA 8082	8/27/13 00:00 8/29/13 14:01	hossain MS

Lab#: AC74208-005 Sample ID: NY-P01-SB-2-5B-SO-8.0-201308230945

Test Code	Prep Method	Prep Date	Ву	Analytical Method	Analysis Date	Ву
% Solids SM2540G				SM 2540G	8/27/13 00:00	hossain
PCB 8082	3510C/3550B	08/28/13	smarwala	EPA 8082	8/29/13 10:35	MS

Laboratory Chronicle

Client: PORT AUTHORITY OF NY & NJ

Project: GB-NY-P01

HCV Project #: 3082608

Solids SM2540G RCB 8082 RC7/13 00:00 RCB 8082 RC7/13 10:50 RCB 8082 RC7/13 10:50 RCB 8082 RC7/13 10:50 RCB 8082 RC7/13 00:00	Lab#: AC74208-006	S	Sample ID: NY-	P01-SB-2-5C-SO	-12.0-201308231	040	
CCB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 10.50	Test Code	• .	•	Ву	•		Ву
Lab#: AC74208-007 Sample ID: NY-P01-SB-2-5C-SO-13.5-201308231041	% Solids SM2540G				SM 2540G	8/27/13 00:00	hossain
Color	PCB 8082	3510C/3550B	08/28/13	smarwala	EPA 8082	8/29/13 10:50	MS
Test Code Method Date By By By By By By By B	Lab#: AC74208-007		Sample ID: NY-	P01-SB-2-5C-SO	-13.5-201308231	1041	
Solids SM2540G Sample ID: NY-P01-SB-2-5C-SO-19.5-201308231045	Test Code	•		Ву	-		Ву
CB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 12:40	% Solids SM2540G	:		-	SM 2540G	8/27/13 00:00	hossair
Cab#: AC74208-008 Sample ID: NY-P01-SB-2-5C-SO-19.5-201308231045		3510C/3550B	08/28/13	smarwala			MS
Prep Prep By Method Date By Method By By Method By By By By By By By B		:					
Test Code Method Date By Method Date By Method Date Date	Lab#: AC74208-008	, s	Sample ID: NY-	P01-SB-2-5C-SO	-19.5-201308231	1045	
CB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 11:05	Test Code	· ·	•	Ву	•		Ву
CB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 11:05	% Solids SM2540G	:	,		SM 2540G	8/27/13 00:00	hossair
Prep Prep By Method Date By By By By By By By B	PCB 8082	3510C/3550B	08/28/13	smarwala			MS
Prep Prep By Method Date By Method Date By Method Date SM 2540G 8/27/13 00:00 PCB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 11:20 EPA 8082 Smarwala EPA 8082 B/29/13 11:20 EPA 8082 EP	Lab# A074000 000	:	·	204 00 0 50 00			
Test Code Method Date By Method Date % Solids SM2540G SM 2540G 8/27/13 00:00 PCB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 11:20 Lab#: AC74208-010 Sample ID: SO-201308230941-FD-1	Lab#: AC/4208-009		eample ID: NY-I	P01-SB-2-5C-SO	-8.5-2013082310		
Test Code Method Date By Method Date % Solids SM2540G SM 2540G 8/27/13 00:00 PCB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 11:20 Lab#: AC74208-010 Sample ID: SO-201308230941-FD-1		Prep	Prep		Analytical	Anahmia	
CB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 11:20 Lab#: AC74208-010 Sample ID: SO-201308230941-FD-1	Test Code		•	Ву	•		Ву
PCB 8082 3510C/3550B 08/28/13 smarwala EPA 8082 8/29/13 11:20 Lab#: AC74208-010 Sample ID: SO-201308230941-FD-1	% Solids SM2540G				SM 2540G	8/27/13 00:00	hossain
		3510C/3550B	08/28/13	smarwala			MS
	Lab#: AC74208-010	s	ample ID: SO-2	201308230941-F	D-1		
Analysis		Prep	Prep		Analytical		Ву

% Solids SM2540G

3510C/3550B

08/28/13

smarwala

PCB 8082

hossain

MS

SM 2540G

EPA 8082

8/27/13 00:00

8/29/13 14:16

Chain of Custody

⊗ oject Information:
⊜ zlity:
⊕ arge code
Q sk
⊗ scription Goethals Br

CB07-272.117 Goethals Bridge

Goethals Bridge Vertical Delineation

ITEM#

Field Sample No. /Identification

THE PURY AUTHORITY OF NEW AUG

CHAIN-OF-CUSTODY / Analytical Request Document 20130826-0926

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate

NY-P01

Page: Cooler#

4 1

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SIGNAT	NAM				KELING		so	νΩ	MA	TRIX CODE														
SIGNATURE of SAMPLER	NAME OF SAMPLER				OISTEO B		G	G	G	G	G	G	G	G	ရ	G	G=GR	AB C=COMP		Destinati	Contact Email	Contact	Contact Name	
AMPLER:				23	SHED BY / AFFILIATION		08/23/20	08/23/20	08/23/20	08/23/20	08/23/20	08/23/20	08/23/20	08/23/20	08/23/20	08/23/2		SAMPI		Destination Laboratory	Email	Contact Phone No. Contact Fax No.	Name	
	S. Baijnath		0)	2/130/3	C/2/		08/23/2013 09:41	08/23/2013 10:35	08/23/2013 10:45	08/23/2013 10:41	08/23/2013 10:40	08/23/2013 09:45	08/23/2013 09:40	08/23/2013 09:51	08/23/2013 09:50	08/23/2013 11:15		SAMPLE DATE		Hampton-Clarke Veritech	DBailey@panynj.gov / AZafirel@panynj.gov	201-216-2963 / 201-216-2960 201-216-2158	Dorian Bailey / Angelos Zafirelis	
				10/2	IME		_						_	٦	٦	2	#OF C	ONTAINERS		arke Verite	ınynj.gov /	33 / 201-2 ⁻	y / Angelo	
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l I			4		ACCEPTED BY AFFILIATION		00	700	200	-007	-006	-005	-004	200-	-002	-001	1014208	Composit			panynj.gov			
	DATE/TIME:			4	LIATION					7			7	8	6	7		Composite Description	3082608					
																	Analysis		Preserv	ative		Not		oī o
			10011	2/2/17	DATE		×	×	×	×	×	×	×	×	×	×	CL_PC	3				es: F= Field	TAT STD	Total # of Samples: 10
			7	14.10	TIME																	Notes: F= Field Filtered, H= Hold	P	ples: 10
				\neg	Ś	1																old	Н	
Ten	np in OC				ample								1	-			l .					i	1 1	
	np in 0C es on Ice?	Y/N	۲\2	< \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ample Receipt Co																		SDG	Event Cor
Sampl			Y/N Y/N	\top	٦ĕ									-									SDG	Event Complete? Yes

Deliverables:

Additional Comments/Special Instructions:

SO-201308230941-FD-1

NY-P01-SB-2-5C-SO-8.5-201308231035

NY-P01-SB-2-5C-SO-19.5-201308231045

NY-P01-SB-2-5C-SO-13.5-201308231041

NY-P01-SB-2-5C-SO-12.0-201308231040

NY-P01-SB-2-5B-SO-8.0-201308230945

NY-P01-SB-2-5B-SO-4.0-201308230940

NY-P01-SB-2-5B-SO-14.5-201308230951

NY-P01-SB-2-5B-SO-10.5-201308230950

201308231115-FB-1

CONDITION UPON RECEIPT

Batch Number AC74208

Entered By: Ricardo

Date Entered 8/26/2013 12:42:00 PM

		Date Efficied 6/20/2013 12.42.00 FW
1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	NO	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.0C
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other commentsSpecify
14	NA	Corrective actions (Specify item number and corrective action taken).

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	Į.	Analysis	Lab#:	DateTime:	Loc or User	Bot Nu		Analysis
AC74208-001	08/26/13 12:35	RICAR	0	М	Received	AC74208-009	08/28/13 15:01	SMAR	1	Α	pcb
AC74208-001	08/26/13 12:42	RICAR		М	Login	AC74208-009	08/28/13 18:59	R12	1	Α	NONE
AC74208-001	08/26/13 13:07	R12	1	Α	NONE	AC74208-010	08/26/13 12:35	RICAR	0	м	Received
AC74208-001	08/26/13 13:07	R12	2	Α	NONE	AC74208-010	08/26/13 12:42	RICAR	0	м	Login
AC74208-001	08/28/13 10:09	LYND	1	Α	PEST/PCB	AC74208-010	08/26/13 13:07	R12	1	Α	NONE
AC74208-002	08/26/13 12:35	RICAR		М	Received	AC74208-010	08/26/13 22:22	PA	1	Α	mixing
AC74208-002	08/26/13 12:42	RICAR	1	М	Login	AC74208-010	08/26/13 22:22	R12	1	A	NONE
AC74208-002 AC74208-002			ł	A	NONE	AC74208-010		HS	1	A	5solids
	08/26/13 13:07	R12	1	i	į.	!	08/27/13 07:28		1	A	NONE
AC74208-002	08/26/13 22:22	PA	1	Α	mixing	AC74208-010	08/27/13 15:47	R12			
AC74208-002	08/26/13 22:22	R12	1	Α	NONE	AC74208-010	08/28/13 15:01	SMAR		Α	pcb
AC74208-002	08/27/13 07:28	HS	1	Α	5solids	AC74208-010	08/28/13 18:59	R12	1	Α	NONE
AC74208-002	08/27/13 15:47	R12	1	Α	NONE						
AC74208-002	08/28/13 15:01	SMAR	1	Α	pcb						
AC74208-002	08/28/13 18:59	R12	1	Α	NONE						
AC74208-003	08/26/13 12:35	RICAR	0	M ·	Received						
AC74208-003	08/26/13 12:42	RICAR	0	M	Login						
AC74208-003	08/26/13 13:07	R12	1	Α	NONE						
AC74208-003	08/26/13 22:22	R12	1	A	NONE						
AC74208-003	08/26/13 22:22	PA	1	Α	mixing						
AC74208-003	08/27/13 07:28	HS	1	Α	5solids						
AC74208-003	08/27/13 15:47	R12	1	A	NONE						
		SMAR		A							
AC74208-003	08/28/13 15:01		1		pcb						
AC74208-003	08/28/13 18:59	R12	1	A	NONE						
AC74208-004	08/26/13 12:35	RICAR		М	Received						
AC74208-004	08/26/13 12:42	RICAR		М	Login						
AC74208-004	08/26/13 13:07	R12	1	Α	NONE						
AC74208-004	08/26/13 22:22	PA	1	Α	mixing						
AC74208-004	08/26/13 22:22	R12	1	Α	NONE						
AC74208-004	08/27/13 07:28	HS	1	Α	5solids						
AC74208-004	08/27/13 15:47	R12	1	Α	NONE						
AC74208-004	08/28/13 15:01	SMAR	1	Α	pcb						
AC74208-004	08/28/13 18:59		1	Α	NONE						
AC74208-005	08/26/13 12:35	RICAR		М	Received						
AC74208-005	08/26/13 12:42	RICAR		М	Login						
AC74208-005	08/26/13 13:07	R12	1	A	NONE						
AC74208-005		PA		A							
	08/26/13 22:22	1	1	A	MONE						
AC74208-005	08/26/13 22:22	R12	1		NONE						
AC74208-005	08/27/13 07:28	HS	1	Α	Ssolids						
AC74208-005	08/27/13 15:47	R12	1	A.	NONE						
AC74208-005	08/28/13 15:01	SMAR	1	Α	pcb						
AC74208-005	08/28/13 18:59	R12	1	Α	NONE						
AC74208-006	08/26/13 12:35	RICAR	0	М	Received						
AC74208-006	08/26/13 12:42	RICAR	i o	M	Login						
AC74208-006	08/26/13 13:07	R12	1	Α	NONE						
AC74208-006	08/26/13 22:22	PA	1	Α	mixing						
AC74208-006	08/26/13 22:22	R12	1	Α	NONE						
AC74208-006	08/27/13 07:28	HS	1	A	5solids .						
AC74208-006	08/27/13 15:47	R12	1		NONE						
AC74208-006	08/28/13 15:01	SMAR		Α	pcb						
AC74208-006	08/28/13 18:59	R12	1	A	NONE						
	08/26/13 12:35		ļ	М							
AC74208-007		RICAR	1		Received						
AC74208-007	08/26/13 12:42	RICAR		М	Login						
AC74208-007	08/26/13 13:07	R12	1	Α	NONE						
AC74208-007	08/26/13 22:22	R12	1	Α	NONE						
AC74208-007	08/26/13 22:22	PA	1	Α	mixing						
AC74208-007	08/27/13 07:28	HS	1	Α	5solids -						
AC74208-007	08/27/13 15:47	R12	1	Α	NONE						
AC74208-007	08/28/13 15:01	SMAR	1	Α	pcb						
AC74208-007	08/28/13 18:59	R12	1	Α	NONE						
AC74208-008	08/26/13 12:35	RICAR	0	м	Received						
AC74208-008	08/26/13 12:42	RICAR		М	Login						
AC74208-008	08/26/13 13:07	R12	1	Α	NONE						
AC74208-008	08/26/13 22:22		1	Α	NONE						
AC74208-008	08/26/13 22:22	PA	1	A	mixing						
					i -						
AC74208-008	08/27/13 07:28	HS	1	A	Solids						
AC74208-008	08/27/13 15:47	R12	1	A	NONE						
AC74208-008	08/28/13 15:01	SMAR		Α	pcb						
AC74208-008	08/28/13 18:59	R12	1	Α	NONE						
AC74208-009	08/26/13 12:35	RICAR	0	М	Received						
AC74208-009	08/26/13 12:42	RICAR	0	М	Login						
AC74208-009	08/26/13 13:07	R12	1	Α	NONE						
AC74208-009	08/26/13 22:22	R12	1	Α	NONE						
AC74208-009	08/26/13 22:22	PA	1	Α	mixing						
AC74208-009	08/27/13 07:28	HS	1	A	5solids						
				1	i l						
AC74208-009	08/27/13 15:47	R12	1	Α	NONE						

AC74208-009 08/27/13 15:47 R12 1 A NONE

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

PCB Data

Form1

ORGANICS PCB REPORT

Sample Number: AC74208-001

Client Id: 201308231115-FB-1

Data File: 3G78592.D Analysis Date: 08/28/13 21:03

Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082 Matrix: Aqueous Initial Vol: 1000ml

Final Vol: 5ml Dilution: 1

Solids: 0

Units: ug/L

				· • ·				
Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc	
12674-11-2	Aroclor-1016	0.25	U	12672-29-6	Aroclor-1248	0.25	U	
11104-28-2	Aroclor-1221	0.25	U	11097-69-1	Aroclor-1254	0.25	U	
11141-16-5	Aroclor-1232	0.25	U	11096-82-5	Aroclor-1260	0.25	U	
53469-21-9	Aroclor-1242	0.25	, U	1336-36-3	Aroclor (Total)	0.25	U	

 $[\]emph{U}$ - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Data Path : G:\Gcdata\2013\GC 3\Data\08-28-13\

Data File: 3G78592.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH Acq On : 28 Aug 2013 21:03

Operator : MS Sample : AC74208-001 Misc : A, PCB

ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 09:32:32 2013

Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082

QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds 1)TCMX-Surrogate	4.010	3.977	1923312	2856488	100.933	99.097m
45) DCB-Surrogate	10.041	10.707	1949707 	3138972	125.410	122.129

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% ⊖(m)=manual int.



Data Path : G:\Gcdata\2013\GC_3\Data\08-28-13\

Data File : 3G78592.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 28 Aug 2013 21:03

Operator : MS

Sample : AC74208-001

Misc : A, PCB

ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 09:32:32 2013

Quant Method: G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

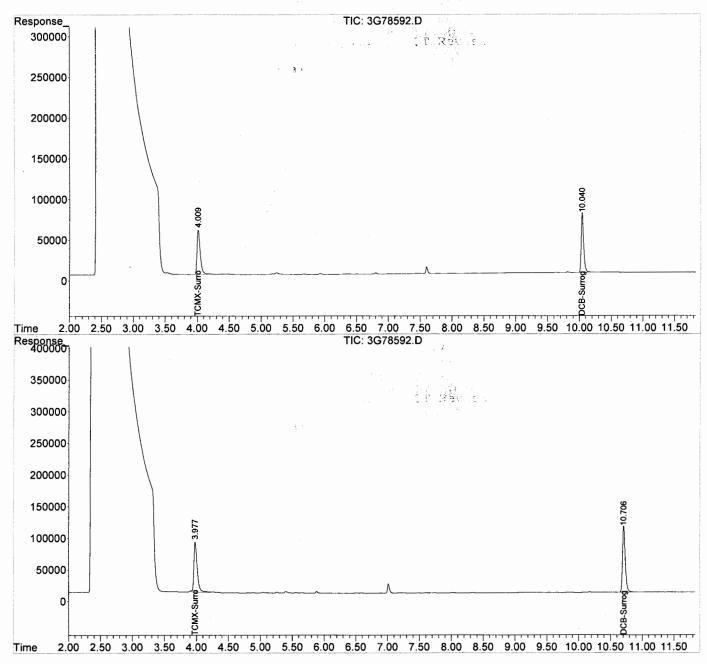
Quant Title : @GC 3,ug,608,8082

QLast Update : Tue Aug 27 09:48:59 2013

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.



Form1

ORGANICS PCB REPORT

Sample Number: AC74208-002

Client Id: NY-P01-SB-2-5B-SO-10.5-

Data File: 3G78599.D

Analysis Date: 08/29/13 10:06 Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil

Initial Vol: 20g

Final Vol: 10ml

Dilution: 1

Solids: 19

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
Cas #	Compound		COILC	Cas #	Compound		CONC
12674-11-2	Aroclor-1016	0.13	U	12672-29-6	Aroclor-1248	0.13	U
11104-28-2	Aroclor-1221	0.13	U	11097-69-1	Aroclor-1254	0.13	Ų
11141-16-5	Aroclor-1232	0.13	U	11096-82-5	Aroclor-1260	0.13	Ų
53469-21-9	Aroclor-1242	0.13	U	1336-36-3	Aroclor (Total)	0.13	Ų

Worksheet #: 275168

Total Target Concentration

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

 $^{{\}it J}$ - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Data Path : G:\Gcdata\2013\GC 3\Data\08-29-13\

Data File: 3G78599.D Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH Acq On: 29 Aug 2013 10:06

Operator : MS

: AC74208-002 Sample

: S,PCB Misc

ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:56:13 2013

Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds		** 4				
1)TCMX-Surrogate	4.005	3.973	1689479	2808315	88.662	97.426
45)DCB-Surrogate	10.040	10.708	1704082	2950954	109.611m	114.928
			. – – – – – – –		-	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Data Path : G:\Gcdata\2013\GC_3\Data\08-29-13\

Data File : 3G78599.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 10:06

Operator : MS

Sample : AC74208-002

Misc : S, PCB

ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:56:13 2013

Quant Method: G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082

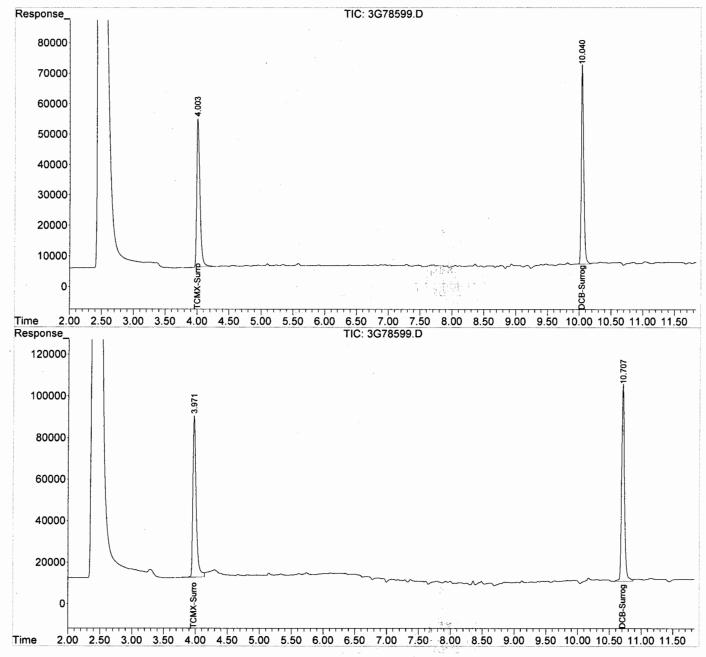
QLast Update : Tue Aug 27 09:48:59 2013

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. :

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: AC74208-003

Client Id: NY-P01-SB-2-5B-SO-14.5-

Data File: 3G78600.D Analysis Date: 08/29/13 10:21

Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil Initial Vol: 20g Final Vol: 10ml

Dilution: 1 Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	12672-29-6	Aroclor-1248	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11141-16-5	Aroclor-1232	0.030	U	11096-82-5	Aroclor-1260	0.030	U
53469-21-9	Aroclor-1242	0.030	U	1336-36-3	Aroclor (Total)	0.030	U

2 8 90 8

Worksheet #: 275168

Total Target Concentration

10 5 Oc 8:

R - Retention Time Out

U - Indicates the compound was analyzed but not detected. B - Indicates the analyte was found in the blank as well as in the sample.

J - Indicates an estimated value when a compound is detected at less than the

ColumnID: (^) Indicates results from 2nd column

E - Indicates the analyte concentration exceeds the calibration range of the

specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea instrument.

3 8 64 8

Data Path : G:\Gcdata\2013\GC 3\Data\08-29-13\

Data File : 3G78600.D Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 10:21 Acq On

Operator : MS

: AC74208-003 : S,PCB Sample

Misc

ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:56:34 2013

Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds 1)TCMX-Surrogate 45)DCB-Surrogate	4.008	3.976	1773310 1837634	2860928 3056161	93.061	99.251 118.959

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



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Data Path : G:\Gcdata\2013\GC_3\Data\08-29-13\

Data File: 3G78600.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 10:21 Acq On

Operator : MS

: AC74208-003 Sample

Misc : S, PCB

ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:56:34 2013

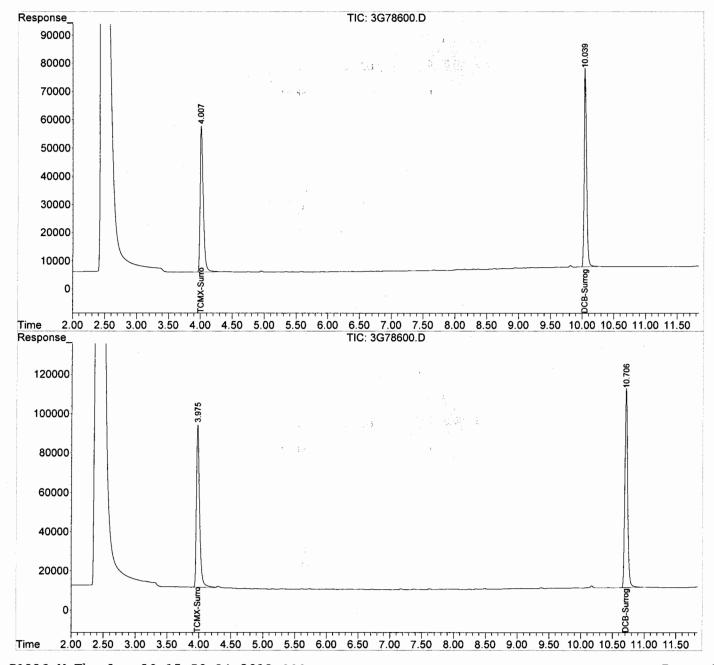
Quant Method: G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: AC74208-004(10X)

Client Id: NY-P01-SB-2-5B-SO-4.0-2

Data File: 2G83630.D

Analysis Date: 08/29/13 14:01 Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil

Initial Vol: 20g

Final Vol: 10ml

Dilution: 10

in Fire 1

An Fir (2)

Solids: 91

Units: mg/Kg

	emer mgmg										
Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc				
12674-11-2	Aroclor-1016	0.27	U	12672-29-6	Aroclor-1248	0.27	U				
11104-28-2	Aroclor-1221	0.27	U	11097-69-1	Aroclor-1254	0.27	U				
11141-16-5	Aroclor-1232	0.27	, O	11096-82-5	(^)Aroclor-1260	0.27	3.8				
53469-21-9	Aroclor-1242	0.27	U	1336-36-3	Aroclor (Total)	0.27	3.8				

Worksheet #: 275168

Total Target Concentration

3.8
R - Retention Time Out

specified detection limit.

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

J - Indicates an estimated value when a compound is detected at less than the

4/4

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Data Path : G:\Gcdata\2013\GC_2\Data\08-29-13\

Data File : 2G83630.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 14:01 Acq On

Operator : MS

Sample : AC74208-004(10X) Misc : S,PCB:10

ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:45:25 2013

Quant Method : G:\GCDATA\2013\GC_2\METHODQT\2G_C0827.M

Quant Title : @GC_2,ug,608,8082 QLast Update : Tue Aug 27 16:28:53 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.931	4.008	54339	46554	11.157m	11.096m
7)Aroclor-1260 {1}	7.140	7.451	166342	140910	657.465	643.526
8)Aroclor-1260 {2}	7.391	7.534	194389	165100	678.230	714.201
9)Aroclor-1260 {3}	7.592	8.172	88669	72040	521.857	649.512
10)Aroclor-1260 {4}	8.181	8.534	134466	137249	663.396	680.555m
11)Aroclor-1260 {5}	8.904	9.252	212328	119055	650.284	728.962
45) DCB-Surrogate	10.222	11.038	67958	54781	17.268	17.220m

⁽f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



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Data Path : G:\Gcdata\2013\GC_2\Data\08-29-13\

Data File : 2G83630.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 14:01

Operator : MS

Sample : AC74208-004(10X)

Misc : S, PCB:10

ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:45:25 2013

Quant Method: G:\GCDATA\2013\GC_2\METHODQT\2G_C0827.M

Quant Title : @GC_2,ug,608,8082

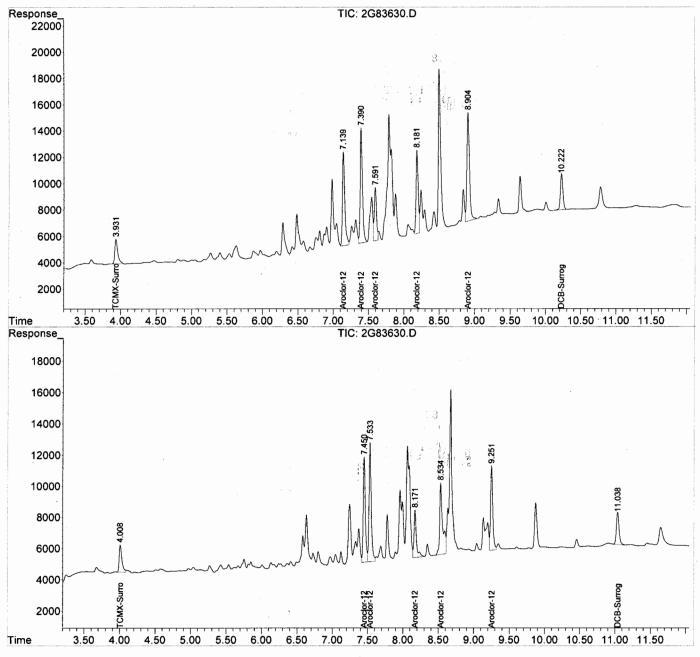
QLast Update : Tue Aug 27 16:28:53 2013

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: AC74208-005

Client Id: NY-P01-SB-2-5B-SO-8.0-2

Data File: 3G78601.D Analysis Date: 08/29/13 10:35

Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil

Initial Vol: 20g

Final Vol: 10ml

Dilution: 1

Solids: 22

Units: mg/Kg

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C	as # Compound	RL	Conc	Cas #	Compound	RL	Conc					
12674	-11-2 Aroclor-1016	0.11	U	12672-29-6	Aroclor-1248	0.11	U					
11104	-28-2 Aroclor-1221	0.11	U	11097-69-1	Aroclor-1254	0.11	U					
11141	-16-5 Aroclor-1232	0.11	U.	11096-82-5	(^)Aroclor-1260	0.11	0.99					
53469	-21-9 Aroclor-1242	0.11	U	1336-36-3	Aroclor (Total)	0.11	0.99					

R - Retention Time Out

specified detection limit.

J - Indicates an estimated value when a compound is detected at less than the

 $[\]emph{U}$ - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Data Path : G:\Gcdata\2013\GC_3\Data\08-29-13\

Data File : 3G78601.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 10:35 Acq On

Operator : MS

Sample : AC74208-005 Misc : S, PCB

ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:58:21 2013

Quant Method: G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC 3,ug,608,8082

QLast Update: Tue Aug 27 09:48:59 2013 Response via: Initial Calibration

Integrator: ChemStation

Volume Inj. Signal #1 Phase : Signal #1 Info :

Signal #2 Phase: Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
Target Compounds 1)TCMX-Surrogate 7)Aroclor-1260 {1} 8)Aroclor-1260 {2} 10)Aroclor-1260 {4} 11)Aroclor-1260 {5} 45)DCB-Surrogate	4.003 7.031 7.277 8.046 8.755 10.040	3.972 7.286 7.370 9.043 9.632 10.708	1551773 469566 460788 212467 494760 1664657	2406442 555511 708229 511174 574176 2718902	81.435 502.928 425.148 282.844 379.788 107.075	83.484 395.554 451.772 342.210 545.091 106.020	#

⁽f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2013\GC 3\Data\08-29-13\

Data File : 3G78601.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 10:35

Operator : MS

Sample : AC74208-005

Misc : S, PCB

ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:58:21 2013

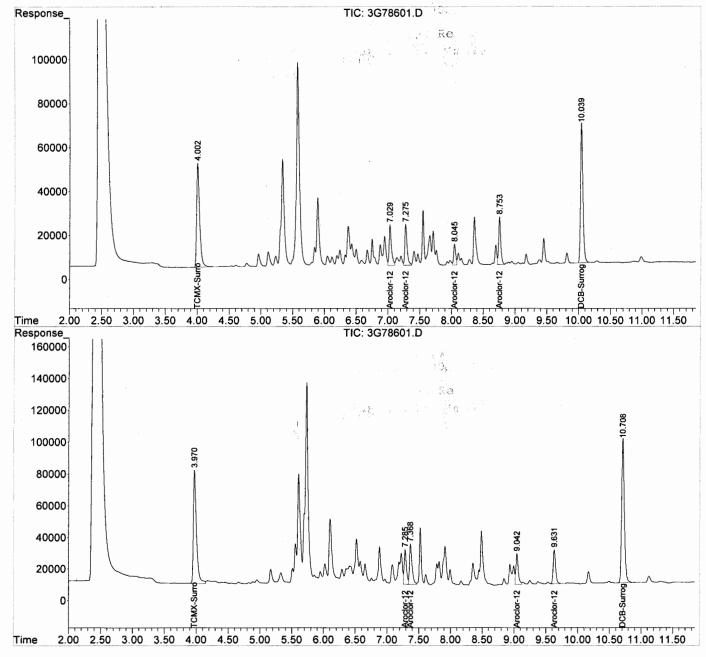
Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. :

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: AC74208-006

Client Id: NY-P01-SB-2-5C-SO-12.0-

Data File: 3G78602.D

Analysis Date: 08/29/13 10:50 Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil

Initial Vol: 20g

Final Vol: 10ml

Dilution: 1

lan it

Solids: 20

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc	
12674-11-2	Aroclor-1016	0.13	U	12672-29-6	Aroclor-1248	0.13	U	
11104-28-2	Aroclor-1221	0.13	U	11097-69-1	Aroclor-1254	0.13	U	
11141-16-5	Aroclor-1232	0.13	. U	11096-82-5	Aroclor-1260	0.13	U	
53469-21-9	Aroclor-1242	0.13	U	1336-36-3	Aroclor (Total)	0.13	U	

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

R - Retention Time Out

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

Data Path : G:\Gcdata\2013\GC_3\Data\08-29-13\

Data File : 3G78602.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH Acq On : 29 Aug 2013 10:50 Operator : MS

Sample : AC74208-006

: S, PCB Misc

ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:59:03 2013

Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #1 Info :

Signal #2 Phase: Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds 1)TCMX-Surrogate 45)DCB-Surrogate	4.005 10.040	3.973 10.709	1669997 1718998	2666429 3009268	87.639 110.570	92.504 117.163

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Data Path : G:\Gcdata\2013\GC 3\Data\08-29-13\

Data File : 3G78602.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 10:50

Operator : MS

: AC74208-006 Sample

Misc : S, PCB

ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:59:03 2013

Quant Method: G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

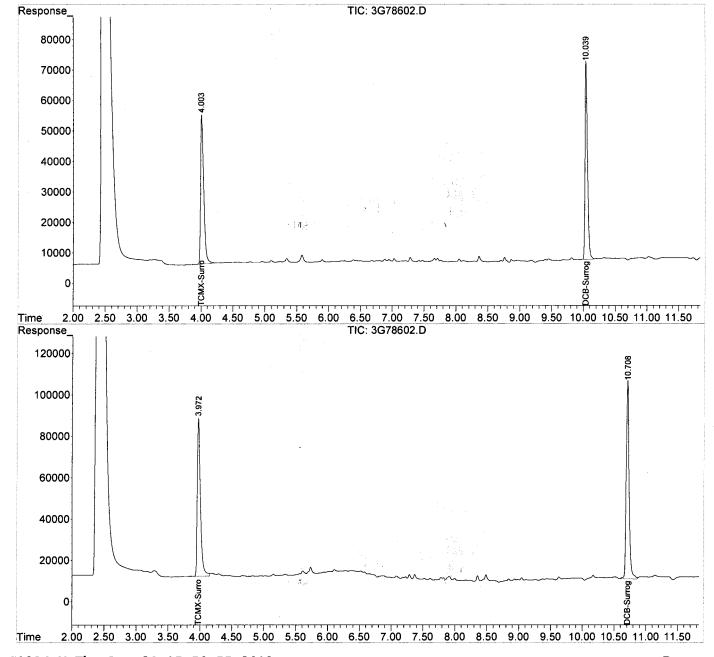
Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. Signal #1 Phase : Signal #1 Info

Signal #2 Phase: Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: AC74208-007

Client Id: NY-P01-SB-2-5C-SO-13.5-

Data File: 2G83627.D Analysis Date: 08/29/13 12:40

Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil Initial Vol: 20g

Final Vol: 10ml

Dilution: 1

Solids: 17

Units: mg/Kg

RL	Conc	Cas #	Compound	RL	Conc						
0.15	U	12672-29-6	Aroclor-1248	0.15	U						
0.15	υ	11097-69-1	Aroclor-1254	0.15	U						
0.15	υ	11096-82-5	Aroclor-1260	0.15	U						
0.15	U	1336-36-3	Aroclor (Total)	0.15	U						
	0.15 0.15	RL Conc 0.15 U 0.15 U 0.15 U	0.15 U 12672-29-6 0.15 U 11097-69-1 0.15 U 11096-82-5	RL Conc Cas # Compound 0.15 U 12672-29-6 Aroclor-1248 0.15 U 11097-69-1 Aroclor-1254 0.15 U 11096-82-5 Aroclor-1260	RL Conc Cas # Compound RL 0.15 U 12672-29-6 Aroclor-1248 0.15 0.15 U 11097-69-1 Aroclor-1254 0.15 0.15 U 11096-82-5 Aroclor-1260 0.15	RL Conc Cas # Compound RL Conc 0.15 U 12672-29-6 Aroclor-1248 0.15 U 0.15 U 11097-69-1 Aroclor-1254 0.15 U 0.15 U 11096-82-5 Aroclor-1260 0.15 U					

Worksheet #: 275168

Total Target Concentration

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R - Retention Time Out

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ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

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Data Path : G:\Gcdata\2013\GC_2\Data\08-29-13\

Data File : 2G83627.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 12:40 Acq On

Operator : MS

: AC74208-007 : S,PCB Sample

Misc

ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:42:16 2013

Quant Method : G:\GCDATA\2013\GC_2\METHODQT\2G_C0827.M

Quant Title : @GC_2,ug,608,8082

QLast Update : Tue Aug 27 16:28:53 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
			·	7		
Target Compounds			.*	, <i>1</i> 533-0		
1)TCMX-Surrogate	3.926	4.009	490252	420329	100.658	100.182
45)DCB-Surrogate	10.213	11.036	464622	383663	120.345m	120.743m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Data Path : G:\Gcdata\2013\GC_2\Data\08-29-13\

Data File : 2G83627.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 12:40

Operator : MS

Sample : AC74208-007

Misc : S, PCB

ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:42:16 2013

Quant Method: G:\GCDATA\2013\GC_2\METHODQT\2G_C0827.M

Quant Title : @GC_2,ug,608,8082

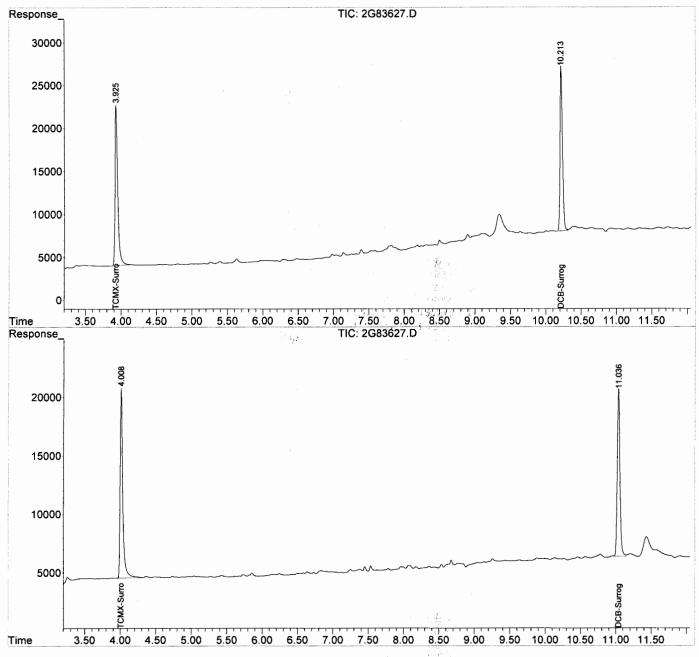
QLast Update : Tue Aug 27 16:28:53 2013

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase : Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: AC74208-008

Client Id: NY-P01-SB-2-5C-SO-19.5-

Data File: 3G78603.D Analysis Date: 08/29/13 11:05

Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil

Initial Vol: 20g

Final Vol: 10ml

Dilution: 1

Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc	
12674-11-2	Aroclor-1016	0.030	U	12672-29-6	Aroclor-1248	0.030	U	
11104-28-2	Aroclor-1221	0.030	U	11097-69-1	Aroclor-1254	0.030	U	
11141-16-5	Aroclor-1232	0.030	U	11096-82-5	Aroclor-1260	0.030	U	
53469-21-9	Aroclor-1242	0.030	U	1336-36-3	Aroclor (Total)	0.030	U	

instrument.

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample. E - Indicates the analyte concentration exceeds the calibration range of the

Data Path : G:\Gcdata\2013\GC_3\Data\08-29-13\

Data File : 3G78603.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 11:05 Acq On

Operator : MS

: AC74208-008 Sample

: S, PCB Misc

ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:59:52 2013

Quant Method : G:\GCDATA\2013\GC 3\METHODQT\3G C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds 1)TCMX-Surrogate 45)DCB-Surrogate	4.007	3.976 10.708	1842261 1845274	2885331 3047089	96.680 118.693	100.098

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Data Path : G:\Gcdata\2013\GC 3\Data\08-29-13\

Data File: 3G78603.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 11:05

Operator : MS

Sample : AC74208-008

Misc : S, PCB

ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E
Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:59:52 2013

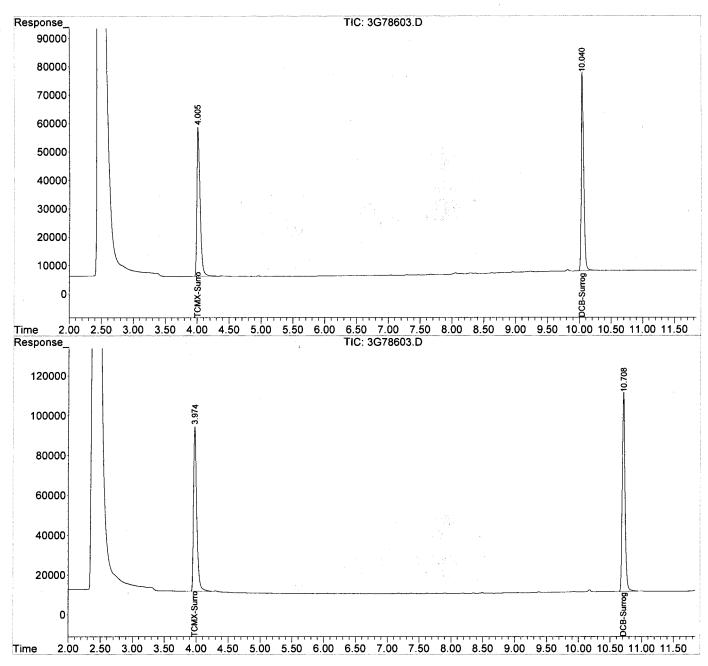
Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : Signal #1 Phase : Signal #1 Info :

Signal #2 Phase: Signal #2 Info:



ORGANICS PCB REPORT

Sample Number: AC74208-009

Client Id: NY-P01-SB-2-5C-SO-8.5-2

Data File: 3G78604.D

Analysis Date: 08/29/13 11:20 Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil Initial Vol: 20g

Final Vol: 10ml

Dilution: 1

Solids: 20

Units: mg/Kg

	omer mg///g									
Cas #	Compound	RL	Conc	Ças #	Compound	RL	Conc			
12674-11-2	Aroclor-1016	0.13	U	12672-29-6	Aroclor-1248	0.13	U			
11104-28-2	Aroclor-1221	0.13	U	11097-69-1	Aroclor-1254	0.13	Ų			
11141-16-5	Aroclor-1232	0.13	Ų	11096-82-5	(^)Aroclor-1260	0.13	0.15			
53469-21-9	Aroclor-1242	0.13	U	1336-36-3	Aroclor (Total)	0.13	0.15			

Worksheet #: 275168

Total Target Concentration

0.15
R - Retention Time Out

ColumnID: (^) Indicates results from 2nd column

J - Indicates an estimated value when a compound is detected at less than the

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(*)Ai (C

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

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Data Path : G:\Gcdata\2013\GC_3\Data\08-29-13\

Data File: 3G78604.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 11:20 Acq On

Operator : MS

: AC74208-009 Sample

Misc : S,PCB

ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 15:01:29 2013

Quant Method : G:\GCDATA\2013\GC 3\METHODQT\3G C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	4.005	3.973	1584941	2357499	83.176	81.786
7)Aroclor-1260 {1}	7.032	7.289	51206	81139	54.294	57.342
8)Aroclor-1260 {2}	7.280	7.372	60026	109917	54.989	69.830 #
11)Aroclor-1260 {5}	8.755	9.630	68629	55255	52.681m	52.456m
45) DCB-Surrogate	10.041	10.709	1692130	2757575	108.842	107.506
						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Data Path: G:\Gcdata\2013\GC 3\Data\08-29-13\

Data File : 3G78604.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 11:20 Acq On

Operator : MS

: AC74208-009 Sample

Misc : S, PCB

ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 15:01:29 2013

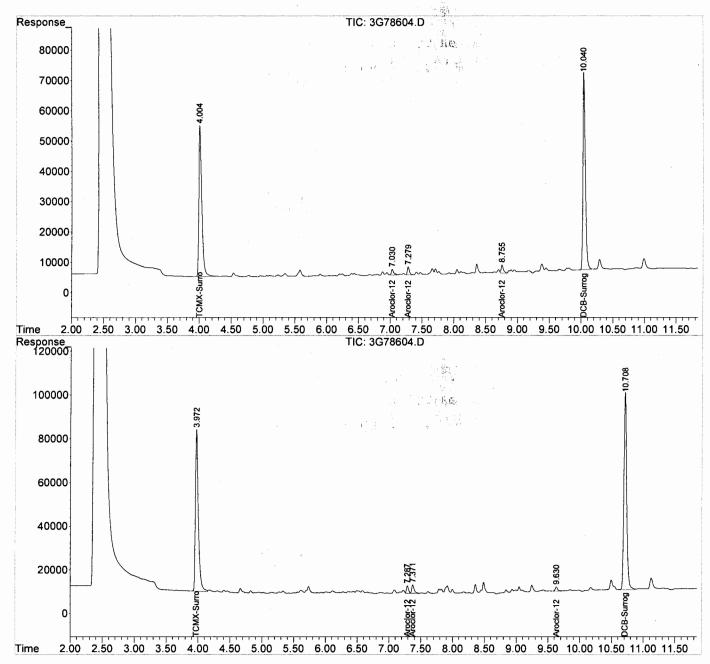
Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #2 Info : Signal #1 Info :



ORGANICS PCB REPORT

Sample Number: AC74208-010(10X)

Client Id: SO-201308230941-FD-1

Data File: 2G83631.D

Analysis Date: 08/29/13 14:16

Date Rec/Extracted: 08/26/13-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil

Initial Vol: 20g

Final Vol: 10ml

Dilution: 10

Solids: 88

do.

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.28	U	12672-29-6	Aroclor-1248	0.28	U
11104-28-2	Aroclor-1221	0.28	U	11097-69-1	Aroclor-1254	0.28	U
11141-16-5	Aroclor-1232	0.28	U	11096-82-5	(^)Aroclor-1260	0.28	4.5
53469-21-9	Aroclor-1242	0.28	U	1336-36-3	Aroclor (Total)	0.28	4.5

4.5

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

specified detection limit. d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Data Path : G:\Gcdata\2013\GC_2\Data\08-29-13\

Data File : 2G83631.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH Acq On : 29 Aug 2013 14:16

Operator : MS

: AC74208-010(10X) Sample

: S, PCB:10 Misc

ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:46:43 2013

Quant Method : G:\GCDATA\2013\GC_2\METHODQT\2G_C0827.M

Quant Title : @GC_2,ug,608,8082 QLast Update : Tue Aug 27 16:28:53 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
				7 R&V	#I	
Target Compounds				1 1 1	, -	
1) TCMX-Surrogate	3.926	4.009	52095	45927	10.696m	10.946m
7)Aroclor-1260 {1}	7.134	7.451	194105	162073	770.468	742.596
8)Aroclor-1260 {2}	7.385	7.534	224920	192651	787.234	836.565
9)Aroclor-1260 {3}	7.585	8.171	107886	81388	634.960m	733.797m
10)Aroclor-1260 {4}	8.175	8.534	160312	165725	792.769	823.372m
11)Aroclor-1260 {5}	8.898	9.252	245499	140291	753.011	858.326
45) DCB-Surrogate	10.216	11.037	63610	53338	16.160	16.766

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

3

Data Path: G:\Gcdata\2013\GC_2\Data\08-29-13\

Data File : 2G83631.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 29 Aug 2013 14:16 Acq On

Operator : MS

: AC74208-010(10X) Sample

Misc : S, PCB:10

ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:46:43 2013

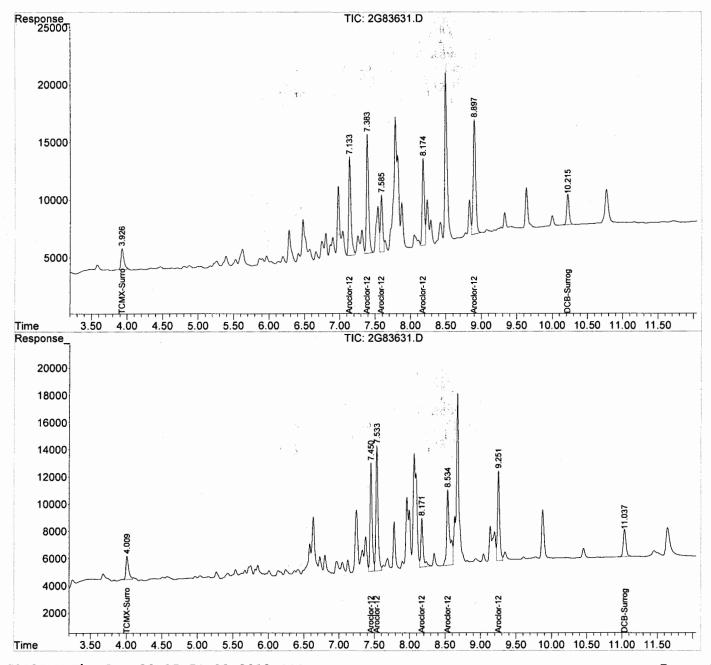
Quant Method : G:\GCDATA\2013\GC_2\METHODQT\2G_C0827.M

Quant Title : @GC_2,ug,608,8082 QLast Update : Tue Aug 27 16:28:53 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: WMB26017

Client Id:

Data File: 3G78579.D

Analysis Date: 08/28/13 17:44

Date Rec/Extracted: NA-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Aqueous

Initial Vol: 1000ml

Final Vol: 5ml

Dilution: 1

Solids: 0

Units: ug/L

Cas # Compound	RL	Conc	Cas # Compound	d RL	Conc
12674-11-2 Aroclor-1016	0.25	U	12672-29-6 Aroclor-1248	0.25	U
11104-28-2 Aroclor-1221	0.25	, U	11097-69-1 Aroclor-1254	0.25	U
11141-16-5 Aroclor-1232	0.25	U	11096-82-5 Aroclor-1260	0.25	U
53469-21-9 Aroclor-1242	0.25	U			

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Data Path : G:\Gcdata\2013\GC_3\Data\08-28-13\

Data File : 3G78579.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 28 Aug 2013 17:44

Operator : MS

: WMB26017 Sample Misc : A, PCB

ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 28 17:59:05 2013

Quant Method: G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds		4.00				
1)TCMX-Surrogate	4.010	3.979	1986619	3060531	104.255	106.176
45)DCB-Surrogate	10.042	10.707	1639556	2618332	105.460	102.153

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



Data Path : G:\Gcdata\2013\GC_3\Data\08-28-13\

Data File : 3G78579.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

: 28 Aug 2013 17:44 Acq On

Operator : MS

Sample : WMB26017 Misc : A, PCB

ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 28 17:59:05 2013

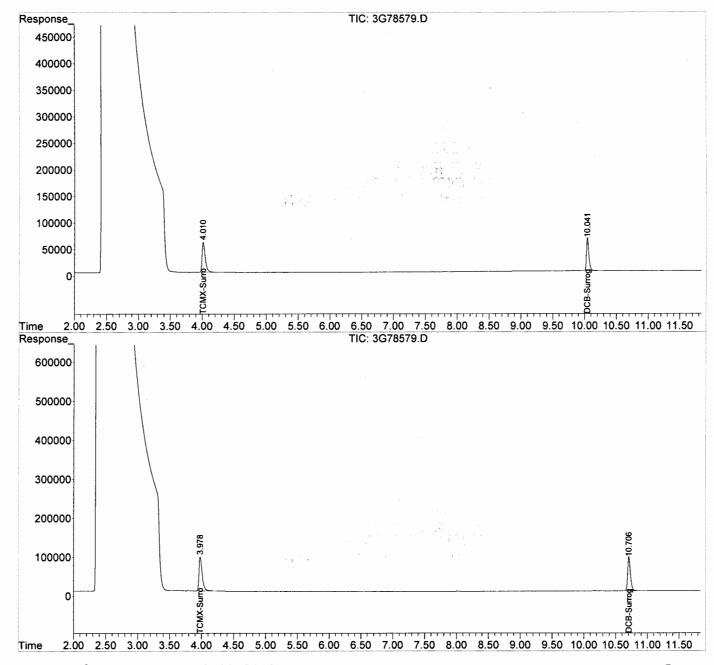
Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :



ORGANICS PCB REPORT

Sample Number: SMB26020

Client Id:

Data File: 3G78597.D

Analysis Date: 08/29/13 09:36

Date Rec/Extracted: NA-08/28/13

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082

Matrix: Soil

Initial Vol: 20g

Final Vol: 10ml

Dilution: 1

Solids: 100

Units: mg/Kg

Cas # Compound	RL	Conc	Cas # Compound	RL	Conc
12674-11-2 Aroclor-1016	0.025	U	12672-29-6 Aroclor-1248	0.025	U
11104-28-2 Aroclor-1221	0.025	Ü	11097-69-1 Aroclor-1254	0.025	U
11141-16-5 Aroclor-1232	0.025	U	11096-82-5 Aroclor-1260	0.025	U
53469-21-9 Aroclor-1242	0.025	U			

instrument.

B - Indicates the analyte was found in the blank as well as in the sample. E - Indicates the analyte concentration exceeds the calibration range of the R - Retention Time Out

Aroci. 1 A)OK

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

ColumnID: (^) Indicates results from 2nd column

"Affile double

Data Path : G:\Gcdata\2013\GC_3\Data\08-29-13\

Data File : 3G78597.D

Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 9:36

Operator : MS

: SMB26020 : S,PCB Sample

Misc

ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:54:44 2013

Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082 QLast Update : Tue Aug 27 09:48:59 2013 Response via : Initial Calibration

Integrator: ChemStation

Volume Inj.

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds			r			
1)TCMX-Surrogate	4.012	3.977	1692295	2859974	88.810	99.218
45)DCB-Surrogate	10.047	10.710	1912147	3102254	122.994	120.723
			'			·

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.



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#354(B) #15.1 10 *27* 4

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Data Path : G:\Gcdata\2013\GC 3\Data\08-29-13\

Data File : 3G78597.D

Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH

Acq On : 29 Aug 2013 9:36

Operator : MS

Sample : SMB26020

Misc : S, PCB

ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: AUTOINT1.E Integration File signal 2: AUTOINT2.E

Quant Time: Aug 29 14:54:44 2013

Quant Method : G:\GCDATA\2013\GC_3\METHODQT\3G_C0826.M

Quant Title : @GC_3,ug,608,8082

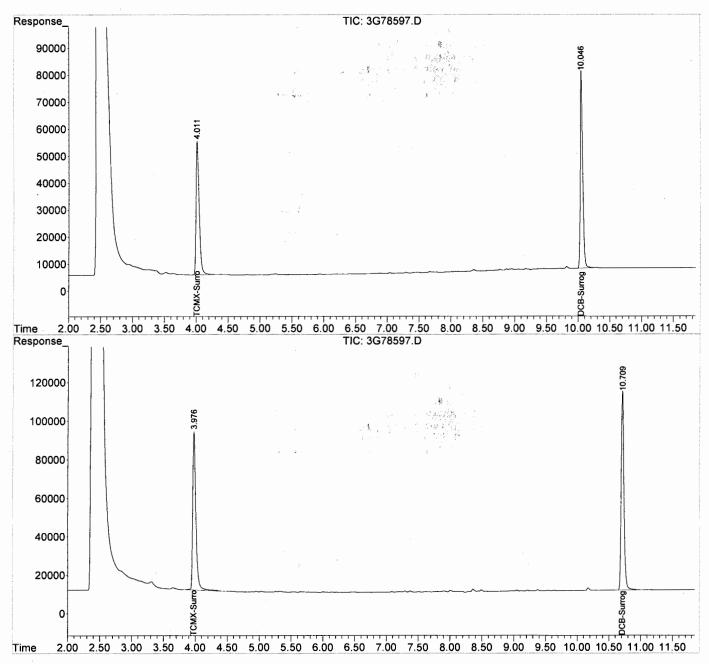
QLast Update : Tue Aug 27 09:48:59 2013

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. :

Signal #1 Phase : Signal #2 Phase: Signal #1 Info : Signal #2 Info :



FORM2

Surrogate Recovery

Method: EPA 8082

Dfile	Sample# Ma	atrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3G78579.D	WMB26017 Aq	queous	08/28/13 17:44	1		104	106	105	102		
3G78597.D	SMB26020 So		08/29/13 09:36	1 '		89	99	123	121		
5G47608.D	SMB26011 So		08/28/13 09:58	1		99	102	102	106		
3G78592.D	AC74208-001 Aq	queous	08/28/13 21:03	1		101	99	125	122		
3G78599.D	AC74208-002 So	oil	08/29/13 10:06	1		89	97	110	115		
3G78600.D	AC74208-003 So	oil	08/29/13 10:21	1		93	99	118	119		
2G83630.D	AC74208-004(So	oil	08/29/13 14:01	10		112	111	173 *	172 *		
3G78601.D	AC74208-005 So	oil	08/29/13 10:35	1		- 81	83	107	106		
3G78602.D	AC74208-006 So	oil	08/29/13 10:50	1		88	92	111	117		
2G83627.D	AC74208-007 So	oil	08/29/13 12:40	1		101	100	120	121		
3G78603.D	AC74208-008 So	oil	08/29/13 11:05	1		97	100	119	119		
3G78604.D	AC74208-009 So	oil	08/29/13 11:20	1		83	82	109	108		
2G83631.D	AC74208-010(So	oil	08/29/13 14:16	10		107	. 110	162*	168 *		
3G78553.D	AC74238-001(So	oil	08/28/13 10:48	10		94	107	183 *	192 *		
3G78580.D	WMB26017(M Aq	queous	08/28/13 18:00	1		72	75	67	67		
3G78598.D	SMB26020(M So	oil	08/29/13 09:51	1		97	102	. 126	123		
5G47610.D	SMB26011(M So	oil	08/28/13 10:34	1		95	98	101	105		
5G47635.D	AC74238-001(So	oil	08/28/13 18:39	1		78	80	82	94		
5G47636.D	AC74238-001(So	oil	08/28/13 18:57	1		81	82	84	99		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8082

Soil Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	37-141
S2=TCMX-Surrogate	100	37-141
S3=DCB-Surrogate	100	34-146
S4=DCB-Surrogate	100	34-146

Aqueous Limits

	Spike	
Compound	Amt	Limits
S1=TCMX-Surrogate	100	39-132
S2=TCMX-Surrogate	100	39-132
S3=DCB-Surrogate	100	39-142
S4=DCB-Surrogate	100	39-142

Form3 Recovery Data QC Batch: SMB26011

Data File

Sample ID:

Analysis Date

Spike or Dup: 5G47610.D

SMB26011(MS)

8/28/2013 10:34:06 AM

Non Spike(If applicable): Inst Blank(If applicable):

Method: 8082

Matrix: Soil

QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	2	966.418	0	1000	97	30	163
Aroclor-1260 -Total	2	962.982	0	1000	96	25	166

Form3 **Recovery Data**

QC Batch: WMB26017

Data File

Sample ID:

Analysis Date

Spike or Dup: 3G78580.D

WMB26017(MS)

8/28/2013 6:00:00 PM

Non Spike(If applicable): Inst Blank(If applicable):

Method: 8082

Matrix: Aqueous

QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	2	855.704	0	1000	86	60	130
Aroclor-1260 -Total	2	935.082	0	1000	94	60	130

Form3 **Recovery Data** QC Batch: SMB26020

Data File

Sample ID: SMB26020(MS) Analysis Date

8/29/2013 9:51:00 AM

Spike or Dup: 3G78598.D Non Spike(If applicable):

Inst Blank(If applicable):

Method: 8082

Matrix: Soil

QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	2	1058.838	0	1000	106	30	163
Aroclor-1260 -Total	. 2	1074.652	0	1000	107	25	166

100 to accompanies of the control of

Form3 **Recovery Data**

QC Batch: SMB26011

Data File

Spike or Dup: 5G47635.D

Sample ID:

AC74238-001(MS)

Analysis Date

Non Spike(If applicable): 3G78553.D

AC74238-001(10X)

8/28/2013 6:39:27 PM 8/28/2013 10:48:00 AM

Inst Blank(If applicable):

Method: 8082

Matrix: Soil

QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	2	964.75	0	1000	96 170 *	30	163 166
Aroclor-1260 -Total	2	5036.077	6721.38	1000	-170 *	25	

Data File Spike or Dup: 5G47636.D

Sample ID: AC74238-001(MSD) AC74238-001(10X)

Analysis Date 8/28/2013 6:57:15 PM 8/28/2013 10:48:00 AM

Non Spike(If applicable): 3G78553.D Inst Blank(If applicable):

Method: 8082

Matrix: Soil

QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	2	964.38	0	1000	96	30	163
Aroclor-1260 -Total	2	7584.716	6721.38	1000	86	25	166

Form3 RPD DATA

QC Batch: SMB26011

Data File

Sample ID:

Analysis Date

Spike or Dup: 5G47636.D

Duplicate(If applicable): 5G47635.D

AC74238-001(MSD) AC74238-001(MS) 8/28/2013 6:57:15 PM

8/28/2013 6:39:27 PM

Inst Blank(If applicable):

Method: 8082

Matrix: Soil

QC Type: MSD

		Dup/MSD/MBSD	Sample/MS/MBS		
Analyte:	Column	Conc	Conc	RPD	Limit
Aroclor-1016 -Total	2	964.38	964.75	0.04	40
Aroclor-1260 -Total	2	7584.716	5036.077	40 *	37
* 1- 111 1		114 5 11			

^{* -} Indicates outside of limits

NA - Both concentrations=0... no result can be calculated

FORM 4 Blank Summary

Blank Number: SMB26011 Blank Data File: 5G47608.D

Matrix: Soil

Blank Analysis Date: 08/28/13 09:58

Blank Extraction Date: 08/27/13

(If Applicable)

Sample Number	er Data File		Analysis Date
AC74238-001(MSD 5G47636.	D	08/28/13 18:57
AC74238-001(MS) 5G47635.	D	08/28/13 18:39
SMB26011(MS	5) 5G47610.	D	08/28/13 10:34
AC74238-001(10X) 3G78553.	D	08/28/13 10:48

FORM 4 Blank Summary

Blank Number: WMB26017 Blank Data File: 3G78579.D

Matrix: Aqueous

Blank Analysis Date: 08/28/13 17:44

Blank Extraction Date: 08/28/13

(If Applicable)

Sample Nu	ımber Data File	Analysis Date	
AC74208-0	001 3G78592.D	08/28/13 21:03	
WMB2601	7(MS) 3G78580.D	08/28/13 18:00	

FORM 4 Blank Summary

Blank Number: SMB26020 Blank Data File: 3G78597.D

Matrix: Soil

Blank Analysis Date: 08/29/13 09:36 Blank Extraction Date: 08/28/13

(If Applicable)

11/11

Sample Number	Data File	Analysis Date	
AC74208-002	3G78599.D	08/29/13 10:06	
AC74208-003	3G78600.D	08/29/13 10:21	
AC74208-004(10X)	2G83630.D	08/29/13 14:01	
AC74208-005	3G78601.D	08/29/13 10:35	
AC74208-006	3G78602.D	08/29/13 10:50	
AC74208-007	2G83627.D	08/29/13 12:40	
AC74208-008	3G78603.D	08/29/13 11:05	
AC74208-009	3G78604.D	08/29/13 11:20	
AC74208-010(10X)	2G83631.D	08/29/13 14:16	
SMB26020(MS)	3G78598.D	08/29/13 09:51	

Method: EPA 8082 Instrument: GC_5

Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G47332.D	2000	08/13/13 08:52	Aqueous					
5G47333.D	CAL 1660@50PPB	08/13/13 09:32	Soil	5G47333.	13.3031	0	13.6777	0
5G47334.D	CAL 1660@200PPB	08/13/13 09:50	Soil	5G47333.	13.2979	0.0391	13.6771	0.0044
5G47335.D	CAL 1660@500PPB	08/13/13 10:08	Soil	5G47333.	13.2970	0.0459	13.6767	0.0073
5G47336.D	CAL 1660@1000PPB	08/13/13 10:25	Soil	5G47333.	13.2954	0.0579	13.6774	0.0022
5G47337.D	CAL 1660@2000PPB	08/13/13 10:43	Soil	5G47333.	13.2937	0.0707	13.6751	0.019
5G47338.D	CAL 1660@4000PPB	08/13/13 11:01	Soil	5G47333.	13.2943	0.0662	13.6757	0.0146
5G47339.D	CAL 3268@500PPB	08/13/13 11:19	Soil	5G47333.	13.2947	0.0632	13.6748	0.0212
5G47340.D	CAL 1242@500PPB	08/13/13 11:37	Soil	5G47333.	13.2943	0.0662	13.6761	0.0117
5G47341.D	CAL 1248@500PPB	08/13/13 11:54	Soil	5G47333.	13.2954	0.0579	13.6768	0.0066
5G47342.D	CAL 2154@500PPB	08/13/13 12:12	Soil	5G47333.	13.2942	0.0669	13.6748	0.0212
5G47343.D	CAL 1262@500PPB	08/13/13 12:30	Soil	5G47333.	13.2935	0.0722	13.6746	0.0227
5G47344.D	ICV	08/13/13 12:48	Soil	5G47333.	13.2942	0.0669	13.6760	0.0124
5G47345.D	AC73948-004(10X)	08/13/13 13:06	Soil	5G47333.	13.2907	0.0933	13.6734	0.0314
5G47346.D	AC73948-005(10X)	08/13/13 13:23	Soil	5G47333	13.2922	0.082	13.6725	0.038
5G47347.D	AC73948-006(10X)	08/13/13 13:41	Soil	5G47333.	13.2933	0.0737	13.6751	0.019
5G47348.D	AC73948-007(10X)	08/13/13 13:59	Soil	5G47333.	13.2937	0.0707	13.6745	0.0234
5G47349.D	AC73948-008(10X)	08/13/13 14:17	Soil	5G47333.	13.2930	0.0759	13.6747	0.0219
5G47350.D	AC73948-009(10X)	08/13/13 14:35	Soil	5G47333.	13.2927	0.0782	13.6732	0.0329
5G47351.D	AC73948-011(10X)	08/13/13 14:53	Soil	5G47333.	13.2919	0.0842	13.6746	0.0227
5G47352.D	AC73948-012(10X)	08/13/13 15:09	Soil	5G47333.	13.2898	0.1	13.6699	0.057
5G47353.D	AC73948-005(100X)	08/13/13 15:27	Soil	5G47333.	0.0000	200 *	0.0000	200*
5G47354.D	SMB25877	08/13/13 15:45	Soil	5G47333.	13.2930	0.0759	13.6745	0.0234
5G47355.D	CAL 1660@1000PPB	08/13/13 16:03	Soil	5G47333.	13.2935	0.0722	13.6753	0.0176
5G47356.D	WMB25881(MS)	08/13/13 16:23	Aaueous	5G47355.	13.2959	0.0181	13.6762	0.0066
5G47357.D	SMB25877(MS)	08/13/13 16:41	Soil	5G47355.	13.2933	0.0015	13.6737	0.0117
5G47358.D	AC73948-006(MS)	08/13/13 16:59	Soil	5G47355.	13.2937	0.0015	13.6753	0
5G47359.D	AC73948-006(MSD)	08/13/13 17:16	Soil	5G47355.	13.2930	0.0038	13.6740	0.0095
	AC73921-001	08/13/13 17:34	Soil	5G47355.	13.2926	0.0068	13.6731	0.0161
	AC73908-002	08/13/13 17:52	Soil	5G47355.	13.2915	0.015	13.6730	0.0168
	AC73908-004	08/13/13 18:10	Soil	5G47355.	13.2930	0.0038	13.6750	0.0022
5G47363.D	AC73908-006	08/13/13 18:28	Soil	5G47355.	13.2941	0.0045	13.6757	0.0029
5G47364.D	AC73888-002	08/13/13 18:45	Soil	5G47355.	13.2930	0.0038	13.6748	0.0037
5G47365.D	AC73888-006	08/13/13 19:03	Soil	5G47355.	13.2934	0.0008	13.6753	0
5G47366.D	SMB25879	08/13/13 19:21	Soil	5G47355.	13.2938	0.0023	13.6739	0.0102
5G47367.D	SMB25879(MS)	08/13/13 19:39	Soil	5G47355.	13.2932	0.0023	13.6738	0.011
5G47368.D	AC73947-001(MS)	08/13/13 19:57	Soil	5G47355.	13,2929	0.0045	13.6743	0.0073
5G47369.D	AC73947-001(MSD)	08/13/13 20:14	Soil	5G47355.	13.2936	0.0008	13.6757	0.0029
5G47370.D	AC73947-001	08/13/13 20:32	Soil	5G47355.	13.2931	0.003	13.6751	0.0015
	AC73929-002	08/13/13 20:50	Soil	5G47355.	13.2917	0.0135	13.6734	0.0139
5G47372.D	AC73929-004	08/13/13 21:08	Soil	5G47355.	13.2923	0.009	13.6749	0.0029
5G47373.D	CAL 1660@1000PPB	08/13/13 21:26	Soil	5G47355.	13 2927	0.006	13.6744	0.0066
5G47374.D	2000PPB	08/13/13 21:43	Soil	5G47373.	13,2939	0.009	13.6757	0.0095

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Method: EPA 8082 Instrument: GC_3

Data File	Sample#	Analysis	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
Data File	Sample#	Date/Time	Wallix	- FIIE	INI	1 % Dill	2 1 1	2 % DIIII
3G78507.D	BLK	08/26/13 16:40	Soil					
3G78508.D	BLK	08/26/13 16:56	Soil					
3G78509.D	BLK	08/26/13 17:11	Soil					
3G78510.D	BLK	08/26/13 17:26	Soil					
3G78511.D	CAL 1660@50PPB	08/26/13 17:42	Soil	3G78511.	10.0431	0	10.7063	0
3G78512.D	CAL 1660@200PPB	08/26/13 17:57	Soil	3G78511.	10.0431	0	10.7067	0.0037
3G78513.D	CAL 1660@500PPB	08/26/13 18:12	Soil	3G78511.	10.0429	0.002	10.7087	0.0224
3G78514.D	CAL 1660@1000PPB	08/26/13 18:28	Soil	3G78511.	10.0420	0.011	10.7071	0.0075
3G78515.D	CAL 1660@2000PPB	08/26/13 18:43	Soil	3G78511.	10.0413	0.0179	10.7077	0.0131
3G78516.D	CAL 1660@4000PPB	08/26/13 18:58	Soil	3G78511.	10.0409	0.0219	10.7071	0.0075
3G78517.D	CAL 3268@500PPB	08/26/13 19:14	Soil	3G78511.	10.0412	0.0189	10.7070	0.0065
3G78518.D	CAL 1242@500PPB	08/26/13 19:29	Soil	3G78511.	10.0422	0.009	10.7076	0.0121
3G78519.D	CAL 1248@500PPB	08/26/13 19:44	Soil	3G78511.	10.0423	0.008	10.7073	0.0093
3G78520.D	CAL 2154@500PPB	08/26/13 20:00	Soil	3G78511.	10.0427	0.004	10.7083	0.0187
3G78521.D	CAL 1262@500PPB	08/26/13 20:15	Soil	3G78511.	10.0418	0.013	10.7077	0.0131
3G78522.D	ICV	08/26/13 20:30	Soil	3G78511.	10.0418	0.013	10.7084	0.0196
3G78523.D	DDT CS	08/26/13 20:46	Soil	3G78511.	0.0000	200 *	0.0000	200*

Method: EPA 8082 Instrument: GC_2

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
2G83564.D	DDT C S	08/27/13 10:24	Aqueous					
2G83565.D	CAL 3268@500PPB	08/27/13 10:39	Aqueous	2G83570.	10,2193	0.0949	11.0386	0.0353
2G83566.D	CAL 1242@500PPB	08/27/13 10:54	Aqueous	2G83570.	10.2219	0.0694	11.0402	0.0208
2G83567.D	CAL 1248@500PPB	08/27/13 11:09	Aqueous	2G83570.	10.2220	0.0685	11.0411	0.0127
2G83568.D	CAL 2154@500PPB	08/27/13 11:24	Aqueous	2G83570.	10.2205	0.0831	11.0410	0.0136
2G83569.D	CAL 1262@500PPB	08/27/13 11:40	Aqueous	2G83570.	10.2214	0.0743	11.0406	0.0172
2G83570.D	CAL 1660@50PPB	08/27/13 12:04	Aqueous	2G83570.	10.2290	0	11.0425	0
2G83571.D	CAL 1660@200PPB	08/27/13 12:19	Aqueous	2G83570.	10.2220	0.0685	11.0405	0.0181
2G83572.D	CAL 1660@500PPB	08/27/13 12:34	Aqueous	2G83570.	10.2201	0.087	11.0398	0.0245
2G83573.D	CAL 1660@1000PPB	08/27/13 12:49	Aqueous	2G83570.	10.2199	0.089	11.0404	0.019
2G83574.D	CAL 1660@2000PPB	08/27/13 13:04	Aqueous	2G83570.	10.2185	0.1027	11.0400	0.0226
2G83575.D	CAL 1660@4000PPB	08/27/13 13:19	Aqueous	2G83570.	10.2184	0.1037	11.0388	0.0335
2G83576.D	ICV	08/27/13 13:34	Aqueous	2G83570.	10.2197	0.091	11.0398	0.0245
2G83577.D	AC74212-011(10X)	08/27/13 13:52	Soil	2G83570.	10.2218	0.0704	11.0419	0.0054
2G83578.D	AC74212-012(10X)	08/27/13 14:07	Soil	2G83570.	10.2199	0.089	11.0386	0.0353
2G83579.D	AC74212-016	08/27/13 14:23	Aqueous	2G83570.	10.2190	0.0978	11.0400	0.0226
2G83580.D	AC74212-017	08/27/13 14:38	Aqueous	2G83570.	10.2186	0.1017	11.0392	0.0299
2G83581.D	AC74211-001	08/27/13 15:07	Soil	2G83570.	10.2235	0.0538	11.0389	0.0326
2G83582.D	AC74211-002	08/27/13 15:22	Soil	2G83570.	10.2194	0.0939	11.0405	0.0181
2G83583.D	AC74211-003	08/27/13 15:37	Soil	2G83570.	10.2181	0.1066	11.0392	0.0299
2G83584.D	AC74211-004	08/27/13 15:52	Soil	2G83570.	10.2169	0.1184	11.0393	0.029
2G83585.D	CAL 1660@2000PPB	08/27/13 16:08	Soil	2G83570.	10.2187	0.1007	11.0397	0.0254
2G83586.D	WMB26007	08/27/13 17:42	Aqueous	2G83585.	10.2272	0.0831	11.0403	0.0054
2G83587.D	WMB26007(MS)	08/27/13 17:57	Aqueous	2G83585.	10.2194	0.0068	11.0387	0.0091
2G83588.D	AC74131-004	08/27/13 18:12	Aqueous	2G83585.	10.2174	0.0127	11.0374	0.0208
2G83589.D	AC74123-004(R)	08/27/13 18:27	Aqueous	2G83585.	10.2194	0.0068	11.0399	0.0018
2G83590.D	AC74123-007(R)	08/27/13 18:42	Aqueous	2G83585.	10.2183	0.0039	11.0383	0.0127
2G83591.D	AC74085-002	08/27/13 18:57	Soil	2G83585.	10.2210	0.0225	11.0424	0.0245
2G83592.D	AC74085-003	08/27/13 19:13	Soil	2G83585.	10.2197	0.0098	11.0443	0.0417
2G83593.D	AC74109-005	08/27/13 19:28	Soil	2G83585.	10:2181	0.0059	11.0401	0.0036
2G83594.D	AC74109-006	08/27/13 19:43	Sóil	2G83585.	10.2172	0.0147	11.0395	0.0018
2G83595.D	AC74109-001	08/27/13 19:58	Soil	2G83585.	10.2217	0.0293	11.0428	0.0281
2G83596.D	AC74109-002	08/27/13 20:13	Soil	2G83585	10 2177	0.0098	11.0410	0.0118
2G83597.D	CAL 1660@2000PPB	08/27/13 20:28	Soil	2G83585.	10.2182	0.0049	11.0397	0
2G83598.D	2000PPB	08/27/13 20:43	Soil	2G83597.	10.2177	0.0049	11.0394	0.0027

Method: EPA 8082 Instrument: GC_5

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
5G47606.D	CAL 1660@500PPB	08/28/13 09:20	Soil	5G47606.	13.2960	0	13.6694	
5G47607.D	SMB26010	08/28/13 09:40	Soil	5G47606.	13.2927	0.0248	13.6691	0.0022
5G47608.D	SMB26011	08/28/13 09:58	Soil	5G47606.	13.2898	0.0466	13.6695	0.0007
5G47609.D	SMB26010(MS)	08/28/13 10:16	Soil	5G47606	13.2892	0.0512	13.6704	0.0073
5G47610.D	SMB26011(MS)	08/28/13 10:34	Soil	5G47606.	13,2897	0.0474	13.6708	0.0102
5G47611.D	AC74231-008	08/28/13 10:51	Soil	5G47606.	0.0000	200*	13.6725	0.0227
5G47612.D	AC74231-009	08/28/13 11:09	Soil	5G47606	0.0000	200 *	0.0000	200 *
5G47613.D	AC74231-008(50X)	08/28/13 11:46	Soil	5G47606.	0.0000	200 *	0.0000	200 *
5G47614.D	AC74231-009(50X)	08/28/13 12:04	Soil	5G47606.	0.0000	200 *	0.0000	200 *
5G47615.D	AC74231-010(50X)	08/28/13 12:22	Soil	5G47606.	0.0000	200 *	0.0000	200 *
5G47616.D	AC74231-011(50X)	08/28/13 12:40	Soil	5G47606.	0.0000	200 *	0.0000	200 *
5G47617.D	AC74231-012(50X)	08/28/13 12:58	Soil	5G47606.	13.2914	0.0346	13.6694	0
5G47618.D	AC74231-012	08/28/13 13:16	Soil	5G47606	13.2882	0.0587	13.6682	0.0088
5G47619.D	CAL 1660@500PPB	08/28/13 13:34	Soil	5G47606.	13.2865	0.0715	13.6681	0.0095
5G47620.D	AC74231-001	08/28/13 13:55	Soil	5G47619.	13.2899	0.0256	13.6680	0.0007
5G47621.D	AC74231-002	08/28/13 14:13	Soil	5G47619.	00000	200 *	0.0000	200 *
5G47622.D	AC74231-005	08/28/13 14:30	Soil	5G47619.	13.2901	0.0271	13.6688	0.0051
5G47623.D	AC74231-006	08/28/13 14:48	Soil	5G47619.	13.2873	0.006	13.6677	0.0029
5G47624.D	AC74238-006	08/28/13 15:06	Aqueous	5G47619.	13.2881	0.012	13.6688	0.0051
5G47625.D	AC74238-017	08/28/13 15:24	Aqueous	5G47619.	13.2873	0.006	13.6681	0
5G47626.D	AC74231-005	08/28/13 15:41	Soil	5G47619.	13.2886	0.0158	13.6707	0.019
5G47627.D	AC74231-002(50X)	08/28/13 15:59	Soil	5G47619.	0.0000	200*	0.0000	200*
5G47628.D	AC74231-003(50X)	08/28/13 16:17	Soil	5G47619.	0.0000	200 *	0.0000	200*
5G47629.D	AC74231-004(50X)	08/28/13 16:35	Soil	5G47619.	0.0000	200 *	0.0000	200 *
5G47630.D	AC74231-007(50X)	08/28/13 16:53	Soil	5G47619.	0.0000	200 *	0.0000	200*
5G47631.D	AC74231-006(10X)	08/28/13 17:10	Soil	5G47619.	13.2887	0.0166	13.6668	0.0095
5G47632.D	CAL 1660@500PPB	08/28/13 17:28	Soil	5G47619.	13.2877	0.009	13.6692	0.008
5G47633.D	AC74231-001(MS)	08/28/13 18:03	Soil	5G47632.	13.2920	0.0324	13.6680	0.0088
5G47634.D	AC74231-001(MSD)	08/28/13 18:21	Soil	5G47632.	13.2878	0.0008	13.6668	0.0176
5G47635.D	AC74238-001(MS)	08/28/13 18:39	Soil	5G47632.	13.2879	0.0015	13.6678	0.0102
5G47636.D	AC74238-001(MSD)	08/28/13 18:57	Soil	5G47632.	13.2875	0.0015	13.6684	0.0059
5G47637.D	500	08/28/13 19:15	Soil	5G47632.	13.2891	0.0105	13.6686	0.0044
5G47638.D	CAL 1660@500PPB	08/28/13 19:32	Soil	5G47632.	13.2890	0.0098	13.6695	0.0022

Method: EPA 8082 Instrument: GC_3

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G78549.D	CAL 1660@1000PPB	08/28/13 09:45	Soil	3G78549.	10.0429	0	10.7079	0
3G78550.D	AC74160-001	08/28/13 10:00	Aqueous	3G78549.	10.0410	0.0189	10.7072	0.0065
3G78551.D	AC74101-021	08/28/13 10:17	Soil	3G78549	10.0460	0.0309	10.7079	0
3G78552.D	AC74101-022	08/28/13 10:32	Soil	3G78549.	10.0398	0.0309	10.7066	0.0121
3G78553.D	AC74238-001(10X)	08/28/13 10:48	Soil	3G78549	10.0413	0.0159	10.7068	0.0103
3G78554.D	AC74238-002(10X)	08/28/13 11:03	Soil	3G78549.	10.0434	0.005	10.7069	0.0093
3G78555.D		08/28/13 11:20	Soil	3G78549.	10.0473	0.0438	10.7121	0.0392
3G78556.D	AC73860-005(5X)	08/28/13 11:35	Soil	3G78549.	10.0458	0.0289	10.7126	0.0439
	AC74101-040	08/28/13 11:50	Soil	3G78549.	10.0440	0.0109	10.7111	0.0299
	AC74101-016(5X)	08/28/13 12:06	Soil	3G78549.	10.0460	0.0309	10.7117	0.0355
3G78559.D	AC74101-033(1000X)	08/28/13 12:21	Soil	3G78549.	0.0000	200 *	0.0000	200 *
	AC74101-007	08/28/13 12:36	Soil	3G78549.	10.0470	0.0408	10.7132	0.0495
3G78561.D	AC74101-010	08/28/13 12:52	Soil	3G78549.	10.0452	0.0229	10.7128	0.0457
	AC74101-033(100X)	08/28/13 13:09	Soil	3G78549.	0.0000	200 *	0.0000	200 *
3G78563.D	CAL 1660@2000PPB	08/28/13 13:24	Soil	3G78549.	10.0471	0.0418	10.7110	0.029
3G78564.D	AC74231-008(50X)	08/28/13 13:42	Soil	3G78563.	10.0521	0.0498	10.7124	0.0131
3G78565.D	AC74238-003(10X)	08/28/13 13:58	Soil	3G78563.	10.0491	0.0199	10.7129	0.0177
3G78566.D	AC74238-004(10X)	08/28/13 14:13	Soil	3G78563.	10.0481	0.01	10.7128	0.0168
3G78567.D	AC74238-005(10X)	08/28/13 14:29	Soil	3G78563.	10.0477	0.006	10.7115	0.0047
3G78568.D	AC74238-007(10X)	08/28/13 14:44	Soil	3G78563.	10.0490	0.0189	10.7117	0.0065
3G78569.D	AC74238-008(10X)	08/28/13 14:59	Soil	3G78563.	10.0480	0.009	10.7123	0.0121
3G78570.D	AC74238-009(10X)	08/28/13 15:15	Soil	3G78563.	10.0479	0.008	10.7120	0.0093
3G78571.D	AC74238-010(10X)	08/28/13 15:30	Soil	3G78563.	10.0468	0.003	10.7109	0.0009
3G78571.D	AC74238-011(10X)	08/28/13 15:46	Soil	3G78563.	10.0452	0.0189	10.7121	0.0103
3G78573.D	AC74238-012(10X)	08/28/13 16:01	Soil	3G78563	10.0469	0.002	10.7116	0.0056
3G78573.D	AC74238-013(10X)	08/28/13 16:16	Soil	3G78563.	10,0467	0.004	10.7107	0.0028
3G78575.D	AC74238-014(10X)	08/28/13 16:32	Soil	3G78563	10.0477	0.006	10.7117	0.0065
3G78575.D	AC74238-015(10X)	08/28/13 16:47	Soil	3G78563	10.0471	0.000	10.7122	0.0112
3G78577.D	AC74238-016(10X)	08/28/13 17:02	Soil	3G78563	10 0459	0.0119	10.7087	0.0215
	CAL 1660@2000PPB	08/28/13 17:02	Soil	3G78563	10.0452	0.0189	10.7091	0.0177
3G78579.D	WMB26017	08/28/13 17:44	Aqueous	3G78578.	10.0419	0.0329	10.7072	0.0177
3G78580.D	WMB26017(MS)	08/28/13 17:44	Aqueous	3G78578.	10.0418	0.0339	10.7078	0.0121
3G78581.D	AC74172-009(MS:AC74	08/28/13 18:15	Aqueous	3G78578.	10.0411	0.0408	10.7076	0.014
3G78582.D	AC74172-009(MSD:AC74	08/28/13 18:30	Aqueous	3G78578.	10.0396	0.0558	10.7072	0.0177
3G78583.D	AC74172-010(MSD:AC7	08/28/13 18:46	Adueous	3G78578.	10.0330	0.0378	10.7069	0.0205
3G78584.D	AC74172-0021KI	08/28/13 19:01	Aqueous	3G78578.	10.0416	0.0358	10.7075	0.0149
3G78585.D	AC74172-004 AC74172-005	08/28/13 19:16	Aqueous	3G78578.	10.0411	0.0408	10.7079	0.0112
3G78586.D	AC74172-005 AC74172-006	08/28/13 19:31	Aqueous	3G78578.	10.0407	0.0448	10.7069	0.0205
3G78587.D	AC74172-000 AC74172-007	08/28/13 19:47	Aqueous	3G78578.	10.0415	0.0368	10.7074	0.0159
	AC74172-007 AC74172-008	08/28/13 19:47	Aqueous	3G78578.	10.0403	0.0488	10.7078	0.0121
3G78589.D	AC74172-008	08/28/13 20:02	Aqueous	3G78578.	10.0406	0.0458	10.7076	0.014
3G78590.D	AC74172-011 AC74172-012	08/28/13 20:33	Aqueous	3G78578.	10.0412	0.0398	10.7063	0.0261
3G78590.D	AC74172-012 AC74172-013	08/28/13 20:48	Aqueous	3G78578.	10.0412	0.0388	10.7003	0.0112
3G78591.D		08/28/13 21:03	Aqueous	3G78578.	10.0413	0.0398	10.7073	0.0177
3G78592.D 3G78593.D	AC74208-001 AC74195-007	08/28/13 21:18	Aqueous	3G78578.	10.0412	0.0568	10.7072	0.0177
3G78593.D	1000PPB	08/28/13 21:18	Aqueous	3G78578.	10.0393	0.0388	10.7074	0.0149
3G78594.D 3G78595.D	CAL 1660@2000PPB	08/28/13 21:49	Aqueous	3G78578.	10.0409	0.0428	10.7074	0.0159
3G/0393.D	CAL 1000(WZ000FPB	UUIZOI 13 Z 1.49	Addedus	3070370.	10.0414	0.0070	10.7074	0.0133

Method: EPA 8082 Instrument: GC_3

Data File	Sample#	Analysis Date/Time	Matrix	Reference File	Column 1 RT	Column 1 % Drift	Column 2 RT	Column 2 % Drift
3G78596.D	CAL 1660@2000PPB	08/29/13 09:14	Aqueous	3G78596.	10.0444	0	10.7091	0
3G78597.D	SMB26020	08/29/13 09:36	Soil	3G78596.	10.0470	0.0259	10.7101	0.0093
3G78598.D	SMB26020(MS)	08/29/13 09:51	Soil	3G78596.	10.0409	0.0349	10.7073	0.0168
3G78599.D	AC74208-002	08/29/13 10:06	Soil	3G78596.	10.0396	0.0478	10.7081	0.0093
3G78600.D	AC74208-003	08/29/13 10:21	Soil	3G78596.	10.0400	0.0438	10.7070	0.0196
3G78601.D	AC74208-005	08/29/13 10:35	Soil	3G78596.	10.0400	0.0438	10.7085	0.0056
3G78602.D	AC74208-006	08/29/13 10:50	Soil	3G78596.	10.0400	0.0438	10.7089	0.0019
3G78603.D	AC74208-008	08/29/13 11:05	Soil	3G78596.	10.0409	0.0349	10.7084	0.0065
3G78604.D	AC74208-009	08/29/13 11:20	Soil	3G78596.	10.0411	0.0329	10.7087	0.0037
3G78605.D	AC74172-008	08/29/13 11:35	Aqueous	3G78596.	10 0406	0.0378	10.7081	0.0093
3G78606.D	AC74277-006	08/29/13 11:50	Aqueous	3G78596.	10.0397	0.0468	10.7080	0.0103
3G78607.D	AC74277-007	08/29/13 12:04	Aqueous	3G78596.	10 0404	0.0398	10.7081	0.0093
3G78608.D	CAL 1660@2000PPB	08/29/13 12:19	Aqueous	3G78596.	10 0402	0.0418	10.7078	0.0121
3G78609.D	WMB26025	08/29/13 12:34	Aqueous	3G78608.	10.0410	0.008	10.7085	0.0065
3G78610.D	WMB26025(MS)	08/29/13 12:49	Aqueous	3G78608.	10.0413	0.011	10.7083	0.0047
3G78611.D	CAL 1660@2000PPB	08/29/13 13:11	Aqueous	3G78608.	10.0473	0.0707	10.7111	0.0308
3G78612.D	AC74277-001	08/29/13 14:17	Soil	3G78611.	10.0505	0.0318	10.7134	0.0215
3G78613.D	AC74277-002	08/29/13 14:31	Soil	3G78611.	10.0417	0.0558	10.7093	0.0168
3G78614.D	AC74277-004	08/29/13 14:46	Soil	3G78611.	10.0408	0.0647	10.7082	0.0271
3G78615.D	AC74277-005	08/29/13 15:01	Soil	3G78611.	10.0406	0.0667	10.7083	0.0261
3G78616.D	CAL 1660@2000PPB	08/29/13 15:16	Soil	3G78611.	10.0422	0.0508	10.7084	0.0252

Method: EPA 8082 Instrument: GC_2

D-4- 53-	0	Analysis	1 A 1	Reference	Column	Column	Column	Column
Data File	Sample#	Date/Time	Matrix	File	1 RT	1 % Drift	2 RT	2 % Drift
2G83623.D	CAL 1660@2000PPB	08/29/13 11:36	Soil	2G83623.	10.2105	0	11.0334	0
2G83624.D	AC74195-007	08/29/13 11:54	Aqueous	2G83623.	10.2149	0.0431	11.0363	0.0263
2G83625.D	AC74220-001	08/29/13 12:09	Soil	2G83623.	10.2133	0.0274	11.0380	0.0417
2G83626.D	AC74208-004	08/29/13 12:24	Soil	2G83623.	10.2135	0.0294	11.0384	0.0453
2G83627.D	AC74208-007	08/29/13 12:40	Soil	2G83623.	10.2133	0.0274	11.0364	0.0272
2G83628.D	AC74208-010	08/29/13 12:55	Soil	2G83623.	10.2155	0.049	11.0407	0.0661
2G83629.D	CAL 1660@2000PPB	08/29/13 13:27	Soil	2G83623.	10.2203	0.0959	11.0367	0.0299
2G83630.D	AC74208-004(10X)	08/29/13 14:01	Soil	2G83629.	10.2223	0.0196	11.0380	0.0118
2G83631.D	AC74208-010(10X)	08/29/13 14:16	Soil	2G83629.	10.2159	0.0431	11.0373	0.0054
2G83632.D	AC74230-001	08/29/13 14:31	Soil	2G83629.	10.2150	0.0519	11.0376	0.0081
2G83633.D	AC74230-002	08/29/13 14:46	Soil	2G83629.	10.2125	0.0763	11.0360	0.0063
2G83634.D	CAL 1660@2000PPB	08/29/13 15:02	Soil	2G83629.	10.2154	0.048	11.0379	0.0109
2G83635.D	SMB26022	08/29/13 15:17	Soil	2G83634.	10.2160	0.0059	11.0387	0.0072
2G83636.D	SMB26022(MS)	08/29/13 15:32	Soil	2G83634.	10.2150	0.0039	11.0374	0.0045
2G83637.D	AC74086-011(MS)	08/29/13 15:47	Soil	2G83634.	10.2124	0.0294	11.0388	0.0082
2G83638.D	AC74086-011(MSD)	08/29/13 16:02	Soil	2G83634.	10.2126	0.0274	11.0382	0.0027
2G83639.D	AC74228-002	08/29/13 16:17	Soil	2G83634.	10.2143	0.0108	11.0377	0.0018
2G83640.D	AC74086-011	08/29/13 16:32	Soil	2G83634.	10.2136	0.0176	11.0383	0.0036
2G83641.D	AC74228-001	08/29/13 16:47	Soil	2G83634.	10.2136	0.0176	11.0367	0.0109
2G83642.D	AC74113-005	08/29/13 17:02	Soil	2G83634.	10,2135	0.0186	11,0371	0.0072
2G83643.D	AC74126-001	08/29/13 17:18	Soil	2G83634	10.2141	0.0127	11.0388	0.0082
2G83644.D	AC74228-004	08/29/13 17:33	Soil	2G83634.	10.2151	0.0029	11.0381	0.0018
2G83645.D	AC74113-007	08/29/13 17:48	Soil	2G83634.	10.2145	0.0088	11.0380	0.0009
2G83646.D	AC74228-003	08/29/13 18:03	Soil	2G83634	10.2148	0.0059	11.0312	0.0607
2G83647.D	1000PPB	08/29/13 18:18	Soil	2G83634.	10.2148	0.0059	11.0374	0.0045
2G83648.D	CAL 1660@2000PPB	08/29/13 18:33	Soil	2G83634	10,21,21	0.0323	11.0371	0.0072

Aroclor-1262	Aroclor-1262	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1248	Aroclor-1248	Aroclor-1248	Aroclor-1248	Aroclor-1248	Aroclor-1242	Aroclor-1242	Aroclor-1242	Aroclor-1242	Aroclor-1242	Aroclor-1232	Aroclor-1232	Aroclor-1232	Aroclor-1232	Aroclor-1232	Aroclor-1221	Aroclor-1221	Aroclor-1221	Aroclor-1260	Aroclor-1260	Aroclor-1260	Aroclor-1260	Aroclor-1260	Aroclor-1016	Aroclor-1016	Aroclor-1016	Aroclor-1016	Aroclor-1016	TCMX-Surrogate	Compound							
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Flags

criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte..>0=multi neak analyte (i.e. pcb/chlordane etc..)

Fit = Indicates whehter Avg RF. Linear. or Ouadratic Curve was used for compound.

Corr I = Correlation Coefficient for linear Fa.

Avg Rsd Col 1: 9.47

Avg Rsd Col 2: 9.50

Corr 2 = Correlation Coefficient for anad Fa.

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995 Columns: Signal #1 db-1701 : Signal #2 db-608

Initial Calibration Form 6

Instrument: GC_5

		9.30	CAR USA COLT. 9:30	1. 3.4/	AAR MAN COLL	SAY.]		
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			500.0	LvI=9	7	127 8.60 -1	";	-	1	!	l	1	1	3 Avg -	2	Aroclor-1248
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			500.0	Lv =8	<u>.</u>	112 8.59 -1	11		!		l	!	1	A Avo	2	Aroclor-1242
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			500.0	LvI=8	<u>.</u>	128 7.72 -1	1;				1			2 Avg -	2	Aroclor-1242
			500.0	LvI=8	<u>'</u>	60.1 7.16 -1	60	1			i	!	1	1 Avg -	2	Aroclor-1242
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,			500.0	Lvl=10	<u>.</u>	28.8 7.07 -1	28	1	1	!	1	i	!	2 Avg -	2	Aroclor-1221
			500.0	Lvl=10	<u>ئ</u>	48.3 6.86 -1	48	1	-	!	†	1	1	1 Avg -	2	Aroclor-1221
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	1000. 2000. 4000.	500.0		7.4			14		147.01	137.44	8 142.26	67.53 157.65 144.98 142.26 137.44 147.01	67.53 15	5 Avg 1	2	Aroclor-1016
	1000. 2000. 4000.	200.0 500.0 10	50.00	9.5	1.00		_	1	95.517 —	107.57	4 112.06	124.68 123.31 114.14 112.06 107.57 95.517	24.68 12	4 Avg 1	2	Aroclor-1016
: " •		500.0		17	110		2		215.89	225.10 208.11 215.89	5 225.10	320.30 268.64 239.55	320.30 26	3 Qua 3	2	Aroclor-1016
In	1000. 2000. 4000.	200.0 500.0 10		14				1	152.38 —	156.72 146.93 152.38	3 156.72	205.81 189.12 166.13	05.81 18	2 Qua 2	2	Aroclor-1016
. : .	1000. 2000. 4000.	200.0 500.0 10	50.00	16		75.3 7.16 1.00	75		63.621	65.196 (3 70.006	84.954 74.513 70.006 65.196 63.621	93.237 84	1 Qua 9	2	Aroclor-1016
	100.0 200.0 400.0	20.00 50.00 10	5.00	8.9	38 1.00	5070 6.21 0.998	50,	1	4984.4	4610.1	5 4736.9	5841.0 5319.6 4905.5 4736.9 4610.1 4984.4	6841.0 53	0 Avg 5	2	TCMX-Surrogate
	100.0 200.0 400.0	20.00 50.00 10		7.0	95 1.00	5100 13.30 0.995	51(1	5567.7	4815.2	4723.4 4891.4	5104.2 4723.	5480.9 51		_	DCB-Surrogate
			500.0	LvI=7	ㅗ	1850 13.10 -1	185		1	!	1	!	 	5 Avg -	_	Aroclor-1268
			500.0	LvI=7	<u> </u>	203 12.34 -1	2(!	ŀ	1	-	4 Avg -	_	Aroclor-1268
			500.0	LvI=7	ᅩ	669 12.25 -1	96			!	1	!	1	3 Avg -	_	Aroclor-1268
			500.0	LvI=7		79.7 11.69 -1	79				i	1		2 Avg -	_	Aroclor-1268
			500.0	LvI=7	ᅩ	8 11.36 -1	73.8	-			ŀ	1	1	1 Avg -	_	Aroclor-1268
			500.0	Lv=11	<u>.</u>	.8 13.10 -1	79.8				l		1	5 Avg -	_	Aroclor-1262
			500.0	Lv=11	ᅩ	252 12.77 -1	2:			1	l		1	4 Avg -	_	Aroclor-1262
			500.0	Lv=11	<u>+</u>	37 12.08 -1	537	1	1	!	l		!	3 Avg -	_	Aroclor-1262
S Lvl7 Lvl8	Calibration Level Concentrations Lvl3 Lvl4 Lvl5 Lvl6 Lv	Calibration L	Lvi1 I	%Rsd	r1 Corr2	RT Corr1	8 AvgRf	F7 RF8	RF6 RF7	RF5	RF4	2 RF3	RF1 RF2	Col Mr Fit: F	Co.	Compound
								7	08/13/13 12:30	08/1	BAADO	1262@500PPB	CAL	5G47343.		=
	12	08/13/13 12:12	2154@500PPB	CAL	5G47342.	ũ	10	, 4 <u>3</u>	08/13/13 11:54	08/13	00PPB	AL 1248@500PPB	CAL	5G47341.		. 9
	37	08/13/13 11:37	CAL 1242@500PPB	CA	G47340.	5	8	J	08/13/13 11:19	08/1:	00PPB	\L 3268@500PPB	CAL	5G47339.		7
	9 (08/13/13 11:01	CAL 1660@4000PPB	<u>۾</u>	5G47338.	ლ	თ	w ·	08/13/13 10:43	08/13	1660@2000PPB	\L 1660@2	CAL	5G47337.		ഗ (
	25	08/13/13 09:50	CAL 1660@1000PPB	ე <u>გ</u>	5G47336	ជា ជ	14	₩ 1	08/13/13 10:08	08/13	00PPB	CAL 1660@500PPB	<u>د</u> د	5G47335.		ω –
	3 1	Opidation Co.Fo	1660@200000	2 2	747224		ر اد		2/12 00:25	09/13	0000	1660	2 8	EC 47222		1000
	7:11	^ ¬>\;;;; ¬>+>/	Cal Identifier	<u>.</u>	Data File:		evel #	1 D	Analvsis Date/Time	Δημίνεί		Cal Identifier				evel #:

criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte..>0=multi neak analyte (i.e. nch/chlordane etc..)

Fit = Indicates whehter Avg RF. Linear, or Onadratic Curve was used for compound.

Corr I = Correlation Coefficient for linear Fa.

Corr 2 = Correlation Coefficient for analyte..>0=multi neak analyte (i.e. nch/chlordane etc..)

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995 Columns: Signal #1 db-1701 : Signal #2 db-608

Form 6 Initial Calibration

Instrument: GC_5

						4													3	U	8	Z	61) i	ರ	O
	DCB-Surrogate	Arocior-1268	Aroclor-1268	Aroclor-1268	Aroclor-1268	Aroclor-1268	Aroclor-1262	Aroclor-1262	Aroclor-1262	Aroclor-1262	Aroclor-1262	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1248	Aroclor-1248	Compound	=======================================	9	7	Сī	ω	_	Level#:
1 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 0 Avg 3437	2 5 Avg	2 4 Avg	2 3 Avg	2 2 Avg	2 1 Avg	2 5 Avg	2 4 Avg	2 3 Avg	2 2 Avg	2 1 Avg	2 5 Avg	2 4 Avg	2 3 Avg	2 2 Avg	2 1 Avg	2 5 Avg	2 4 Avg	Col Mr Fit: RF1	5G47343.	5G47341.	5G47339.	5G47337.	5G47335.	5G47333.	t: Data File:
	3437.7 3406.0 3084.6 3115.7 3057.4 3470.8				-	!	-												RF2 RF3 RF4	CAL 1262@500PPB	CAL 1248@500PPB	CAL 3268@500PPB	CAL 1660@2000PPB	CAL 1660@500PPB	CAL 1660@50PPB	Cal Identifier:
	7 3057.4 3470.8					-	-								*****				RF5 RF6 RF7	08/13/13 12:30	08/13/13 11:54	08/13/13 11:19	08/13/13 10:43	08/13/13 10:08	08/13/13 09:32	Analysis Date/Time
	3260 13.68 0.996	1140 13.19	106 12.61	382 12.47	69.5 11.63	38.6 11.58	48.4 13.20	212 12.71	184 12.17	139 12.07	127 10.92	 76.9 11.54	 73.4 10.87	127 10.36	56.0 9.92	142 9.51	144 9.34	124 9.02	RF8 AvgRf RT		10	œ	თ	4	2	Level #:
	1.00	-1 -1 Lvl=7	-1 -1 Lvl:	-1 -1 Lvi:	<u>.</u>	7	7	-1 -1 Lv=11	-1 -1 Lv=1.	-1 -1 Lv=11	7	-1 -1 Lv⊨10	-1 -1 Lvl=10	-1 -1 Lvl=10	-1 -1 Lvl=10	-1 -1 Lvl=10	-1 -1 Lvl=9	-1 -1 Lvl=9	Corr1 Corr2 %Rsd		5G47342.	5G47340.	5G47338.	5G47336.	5G47334.	Data File:
	5.00		•										10 500.0					=9 500.0	Lvl1		CAL 2154@500PPB	CAL 1242@500PPB	CAL 1660@4000PPB	CAL 1660@1000PPB	CAL 1660@200PPB	Cal Identifier:
1 1	20.00 50.00 1000 200.0 400.0					25.	**												Calibration Level Concentrations Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 L		08/13/13 12:12	08/13/13 11:37	08/13/13 11:01	08/13/13 10:25	08/13/13 09:50	Analvsis Date/Time
	.0 400.0																		centrations 5 Lvl6 Lvl7 Lvl8							

Flags

criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte..>0=multi neak analyte (i.e. nch/chlordane etc..)

Fit = Indicates whehter Avg RF. Linear. or Onadratic Curve was used for comnound.

Corr 1 = Correlation Coefficient for linear Fa.

Corr 2 = Correlation Coefficient for anad F.a.

All Response Factors = Response Factors / 10000 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995 Columns: Signal #1 db-1701 : Signal #2 db-608

Avg Rsd Col 1: 9.47

Avg Rsd Col 2: 9.50

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

Form 6
Initial Calibration

Instrument: GC_3

		500.0	Lv =11	<u>,</u>	0.0790 8.70 -	ł	1	-	1	!	!	1 2 Avg	Aroclor-1262
		500.0	Lvl=11	<u>-</u>	0.136 7.71 -	1	1	-	ı	1	1	1 1 Avg	Aroclor-1262
		500.0	Lv=10	<u>.</u>	0.0575 7.53 -		!		1			1 5 Avg	Aroclor-1254
		500.0	Lv=10	<u>.</u>	0.116 7.15 -	i	1	!	1	!		1 4 Avg	Aroclor-1254
		500.0	Lvi=10	<u>.</u>	0.0785 7.03 -	i	1		1	1	!	1 3 Avg	Aroclor-1254
		500.0	Lvl=10	<u>-</u>	0.132 6.87		į	-		!	!	1 2 Avg	Aroclor-1254
		500.0	Lvl=10		0.0428 6.67 -	i	1	1	1	1	1	1 1 Avg	Aroclor-1254
		500.0	Lvl=9	<u>.</u>	0.103 6.47 -		1	1	1	1	1	1 5 Avg	Aroclor-1248
		500.0	Lvl=9	<u>,</u>	0.0827 5.90 -	İ	ŀ		1	1		1 4 Avg	Aroclor-1248
		500.0	Lvl=9	<u>-</u>	0.157 5.55 -	i	i	!			1	1 3 Avg	Aroclor-1248
		500.0	Lvl=9	<u>.</u>	0.0899 5.23 -	1.	1	1	i	1	1	1 2 Avg	Aroclor-1248
1		500.0	Lvl=9	1	0.0368 4.77 -				1	-	1	1 1 Avg	Aroclor-1248
		500.0	Lvl=8	1	0.0619 5.79	-	!	1	1	-	1	1 5 Ayg y-	Aroclor-1242
Strategy of the strategy of th		500.0	Lvl=8	- - -	0.102 5.56	!	1	-	1	!	1	1 4 Avg.s-	Arocior-1242
		500.0	Lvl=8	<u>.</u>	0.144 5.23	i	1		İ]	1 3 Avg :-	Aroclor-1242
		500.0	Lvl=8	<u>.</u>	0.0689 4.77 -	1	1	1	1	!		1 2 Avg	Arocior-1242
3.		500.0	Lvl=8	- <u>-</u>	0.0421 4.43	i	i				-	1 1 Avg	Aroclor-1242
		500.0	Lvi=7	<u>-</u>	0.0370 5.79	ł	ļ	1		!		1 5 Avg	Aroclor-1232
444		500.0	Lvi=7	<u>-</u>	0.0336-5.35 -	ľ	į	1	1	1		1 4 Avg	Aroclor-1232
		500.0	Lvl=7	<u>_</u>	0.0813 5.22		1		i		1	1 3 Avg	Aroclor-1232
		500.0	Lv⊨7	7	0.0396 4.77 -	1	1		1	!	!	1 2 Avg	Aroclor-1232
		500.0	LvI=7	<u>-</u>	0.0462 4.43		-		i		-	1 1 Avg	Aroclor-1232
		500.0	Lvl=10	<u>-</u>	0.0700 4.43 -	1	1	1				1 3 Avg	Aroclor-1221
	ji.e	500.0	Lvl=10	7	0.0131 4.37 -	l	1	1		1	1	1 2 Avg	Aroclor-1221
		500.0	Lv=10	<u>-</u>	0.0250 4.24 -	i	1			1	1	1 1 Avg	Aroclor-1221
	500.0 1000.		7.1	0.999 1.00	0.130 8.76		258	0.1195 0.1	2 0.1245	0.1386 0.1438 0.1292 0.1245 0.1195 0.1258	0.1386 0.	1 5 Avg	Aroclor-1260
	500.0 1000.		13	1.00 1.00	0.0821 8.05 1	1	725	0.0715 0.0	1 0.0775	0.0950 0.0940 0.0821 0.0775 0.0715 0.0725	0.0950 0.	1 4 Qua	Aroclor-1260
	500.0 1000.		7.8		-	İ	488	0.0474 0.0	9 0.0494	0.0559 0.0573 0.0519 0.0494 0.0474 0.0488	0.0559 0.	1 3 Avg	Aroclor-1260
	500.0 1000.				0.121 7.28 (i	012	0.1012 0.1	9 0.1118	0.1494 0.1420 0.1209 0.1118 0.1012 0.1012	0.1494 0.	1 2 Qua	Aroclor-1260
	500.0 1000.			Φ			863 —	0.0868 0.0	6 0.0964	0.1292 0.1234 0.1046 0.0964 0.0868 0.0863	0.1292 0.	1 1 Qua	Aroclor-1260
	500.0 1000.	- 1			-		487	0.0484 0.0	7 0.0520	0.0634 0.0629 0.0557 0.0520 0.0484 0.0487	0.0634 0.	1 5 Qua	Aroclor-1016
	500.0 1000.					1	640	0.0646 0.0	4 0.0705	0.0914 0.0884 0.0764 0.0705 0.0646 0.0640	0.0914 0.	1 4 Qua	Aroclor-1016
	500.0 1000				~		458	0.1457 0.1	1 0.1622	0.2277 0.2054 0.1781 0.1622 0.1457 0.1458	0.2277 0.	1 3 Qua	Aroclor-1016
	500.0 1000				•	١	677	0.0695 0.0	7 0.0777	0.1008 0.0857 0.0777 0.0695 0.0677	0.1075 0.	1 2 Qua	Aroclor-1016
	500.0 1000.	O				1	399	0.0400 0.0	1 0.0442	0.0561 0.0481 0.0442 0.0400 0.0399	0.0548 0.	1 1 Qua	Aroclor-1016
0 400.0	20.00 50.00 100.0 200.0	5.00 20) 4.6	0.999 1.00	1.91 4.00	1	906	1.7899 1.8906		2.0390 1.8900 1.8562	1.9672 2.	1 0 Avg	TCMX-Surrogate
centrations Lvl6 Lvl7 Lvl8	Calibration Level Concentrations Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 L	Lvi1 Lv	2 %Rsd	Corr1 Corr2	AvgRf RT C	RF8	6 RF7	RF5 RF6	RF4	RF2 RF3	RF1 R	Col Mr Fit:	Compound
							3 20:15	08/26/13 20:15	00PPB	CAL 1262@500PPB	•	3G78521	11
	08/26/13 20:00	CAL 2154@500PPB	_	3G78520	10		3 19:44	08/26/13	00PPB	CAL 1248@500PPB		3G78519	9
	08/26/13 19:29	CAI 1242@500PPR		3G78518	œ		3 19:14	08/26/13	00PPB	CAL 3268@500PPB		3G78517	7
	08/26/13 18:58	CAL 1660@4000PPB		3G78516	o		3 18:43	08/26/13 18:43	1660@2000PPB	CAL 1660@2		3G78515	ហ
	08/26/13 18:28	CAL 1660@1000PPR		3G78514	1 4		3 18:12	08/26/13 18:12	00PPB	CAL 1660@500PPB		3G78513	ω -
	08/26/13 17:57			307851	2		3 17.40	08/26/1	ODDR.	CAI 1660@50PPR		3G78511	1
	and the state of t		_	Data File:	eve #		1ate/Time	Analysis Date/Time		Cal Identifier		Data File	evel #

Flags

criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte..>0=multi neak analyte (i.e. nch/chlordane etc..)

Fit = Indicates whether Avg RF. Linear, or Ouadratic Curve was used for commound.

Corr 1 = Correlation Coefficient for linear Fa.

Corr 2 = Correlation Coefficient for analyte..>0=multi neak analyte (i.e. nch/chlordane etc..)

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Resnonse Factors = Resnonse Factors / 10000 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995 Columns: Signal #1 dh-1701 : Signal #2 dh-608

Avg Rsd Col 1: 13.3

Avg Rsd Col 2: 14.7

Form 6 Initial Calibration

Instrument: GC_3

		500.0	v =0		0 0060 5 64				1	ı				2 3 Ava		Aroclor-1248
		500 0	v =9	<u>.</u>	0.136 5.32 -			İ		1		i		2 2 Ava		Aroclor-1248
		500.0	Lvl=9	<u>.</u>	0.0520 4.95 -		1					ŀ	9	_		Aroclor-1248
		500.0	Lvl=8	<u>.</u>	0.0671 6.00 -		İ		İ	i		l		2 5 Avg		Aroclor-1242
		500.0	Lvl=8	<u>.</u>	0.0855 5.64 -		İ		1			i	<u> </u>	2 4 Avg		Aroclor-1242
		500.0	Lvl=8	7	0.214 5.32 -	,			İ			1	<u> </u>	.2 3 Avg		Aroclor-1242
		500.0	Lvl=8		0.104 4.95 -	l	I	I	1	I	l	ı	- -	2 2 Avg		Aroclor-1242
		500.0	Lvl=8	<u>.</u>	0.0573 4.55 -				1		١		<u>0</u>	2 1 Avg		Aroclor-1242
		500.0	Lvl=7	<u>.</u>	0.0364 6.14 -				1	I			<u>ة</u> 	2 5 Avg		Aroclor-1232
		500.0	Lv⊨7	<u>.</u>	0.0399 6.00 -			1	ł		1	1	0	2 4 Avg		Aroclor-1232
		500.0	Lvl=7	7	0.120 5.32 -	1	1	İ		1	1	1	<u>ه</u>	2 3 Avg	4,-	Aroclor-1232
		500.0-₹	Lvl=7		0.0642 4.94 -	0	ľ		ŀ	ŀ	1	ı	i p	2 2 Avq	7	Aroclor-1232
	Statement was be	500.0	Lvl=7	<u>.</u>	0.0684 4.54 -		1	1. D.S.	I	I		i	- P	2 1 Avg	Contract of the contract of th	Aroclor-1232
	5		Lvl=10	7	0.0825 4.54 -	-	-	1					<u> </u>	2 3 Avg		Aroclor-1224
	* ****	500.0	Lvl=10	<u>.</u>	0.0194 4.48 -		I			١	1	I	<u> </u>	2 2 Avg		Aroclor-122:1
		500.0	Lv1=10	<u>-</u>	0.0382 4.33 -		İ	1	1	i	I	i	<u>ه</u>	2 1 Avg		Aroclor-1221
1	500.0	50.00 200.0	8.1	0.998 1.00	0.105 9.63 (ľ	0.1189 0.1119 0.1002 0.0995 0.0964 0.1047	5 0.096)2 0.099	19 0.10	89 0.11	_	2 5 Avg		Aroclor-1260
	500.0	50.00 2	6.4	0.998 1.00	0.149 9.04 (1		0.1595 0.1618 0.1437 0.1423 0.1383 0.1504	3 0.138	37 0.142	18 0.14	595 0.16		2 4 Avg		Aroclor-1260
•	500.0			0.999 1.00	0.154 8.35 (İ	l	0.1794 0.1748 0.1520 0.1422 0.1343 0.1403	2 0.134	20 0.142	48 0.15	794 0.17		2 3 Qua		Aroclor-1260
	500.0		19	0.999 0.999	0.180 7.37 (i	1	0.2309 0.2093 0.1765 0.1621 0.1485 0.1513	1 0.148	35 0.162	93 0.17	309 0.20		2 2 Qua		Aroclor-1260
•	500.0		23	0.999 0.999	0.163 7.29 (•	1	3 0.1297	9 0.129	0.145	0.2168 0.1940 0.1601 0.1459 0.1293 0.1297	68 0.19		2 1 Qua		Aroclor-1260
	500.0			0.999 0.999	0.0765 6.00 C		1	? 0.0627	0 0.063	74 0.071	0.0944 0.0898 0.0774 0.0710 0.0632 0.0627	344 0.08		2 5 Qua		Aroclor-1016
	500.0		21	0.999 0.999	0.110 5.64 (i	1	0.1454 0.1286 0.1091 0.0982 0.0880 0.0876	2 0.088	91 0.098	86 0.10	154 0.12		2 4 Qua	•	Aroclor-1016
	500.0				0.275 5.32 (i		0.3437 0.3166 0.2724 0.2509 0.2298 0:2336	9 0.229	24 0.250	66 0.27.	137 0.31		2 3 Qua		Aroclor-1016
	500.0			0.999 0.999	0.130 4.95 (İ		0.1633 0.1538 0.1268 0.1218 0.1077 0.1052	8 0.107	38 0.121	38 0.12	33 0.15		2 2 Qua	•	Aroclor-1016
	500.0 1000.	_	16	0.999 0.999	0.0687 4.55 (0.0828 0.0809 0.0697 0.0639 0.0577 0.0569	9 0.057	97 0.063	09 0.06	328 0.08		2 1 Qua	•	Aroclor-1016
	50.00 100.0		6.6	0.999 1.00	2.88 3.97 (3.1293 3.0904 2.8271 2.7471 2.6538 2.8470	1 2.653	71 2.747	04 2.82	293 3.09		2 0 Avg	gate	TCMX-Surrogate
200.0 400.0	20.00 50.00 100.0		12	1.00 1.00	4		-	1.9983 1.9646 1.7262 1.6342 1.5196 1.5546	2 1.519	52 1.634	46 1.72	383 1.96		1 0 LinF	ate	DCB-Surrogate
		500.0	Lvl=7	<u>.</u>	0.544 9.81 -	1		1	1.	İ	I	I	<u>a</u>	1 5 Avg	•	Arocior-1268
		500.0	Lvl=7	<u>,</u>	0.0624 9.04 -							1	Ď	1 4 Avg		Aroclor-1268
		500.0	Lv =7	<u>-</u>	0.197 8.95	•	İ	Ì			1	į	ď	1 3 Avg	-	Aroclor-1268
		500.0	Lv=7	<u> </u>	0.0315 8.36 -		1	I	ļ	ı	l		<u>0</u>	1 2 Avg		Aroclor-1268
		500.0	Lv =7	<u>.</u>	0.0296 8.06 -						ļ		<u> </u>	1 1 Avg	-	Aroclor-1268
		500.0	Lv=11	<u>.</u>	0.0262 9.81 -						•		<u> </u>	1 5 Avg		Aroclor-1262
		500.0	Lv=11	<u>-</u>	0.0821 9.45 -		1	1	١	I		1	<u>ه</u>	1 4 Avg	,,	Aroclor-1262
		500.0	Lv=11	<u>.</u>	0.175 8.76 -	1		I		I	I	I	Ď.	1 3 Avg		Aroclor-1262
Concentrations Lvl5 Lvl6 Lvl7 Lvl8	Calibration Level Concentrations Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 L	Lvi1 L	%Rsd	Corr1 Corr2	AvgRf RT (RF8 A	RF7	RF6	RF5	RF4	RF3	_	t RF1	Col Mr Fit:		Compound
):15	08/26/13 20:15	08,	500PPB	CAL 1262@500PPB	CAL	521.	3G78521	=	
	08/26/13 20:00	CAL 2154@500PPB	ς <u>ς</u>	3G78520	10 '		.44	08/26/13 19:44	8	500PPB	CAL 1248@500PPB	<u>د</u>	519.	3G78519	φ.	
	08/26/13 10:30	CAI 1242@500PPB	2 9	3G78518	00 (14	08/26/13 19:14		3268@500PPB	3268@	CA :	517	3G78517	7	
	08/26/13 18:58	CAI 1660@4000PPR	S 5	3G78516	თ.		343 1	08/26/13 18:43		1660@2000PPB	1660@	2	515	3G78515	C 1 (
	08/26/13 17:57	CAL 1660@200PPB	2 2	3G78514	7 4		3:12	08/26/13 17:42 08/26/13 18:12	0 0 0 0	500PPB	CAL 1660@500PPB	<u> </u>	513	3G78513	ω –	
	100000000000000000000000000000000000000															

Flags

criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte. >0=multi neak analyte (i.e. nch/chlordane etc..)

Fit = Indicates whether Avg RF. Linear. or Quadratic Curve was used for comnound.

Corr I = Correlation Coefficient for linear Fa.

Corr 2 = Correlation Coefficient for quad Eq.

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

Avg Rsd Col 1: 13.3

Avg Rsd Col 2: 14.7

Method: EPA 8082 Level #:

Data File

Initial Calibration Form 6

CAL 1660@50PPB
CAL 1660@500PPB
CAL 1660@2000PPB
CAL 3268@500PPB
CAL 1248@500PPB Cal Identifier: Analysis Date/Time 08/26/13 17:42 08/26/13 18:12 08/26/13 18:43 08/26/13 19:14 08/26/13 19:44 Level #: 3 8 6 4 2 3G78512. 3G78514. 3G78516. Data File CAL 1660@200PPB
CAL 1660@1000PPB
CAL 1660@4000PPB
CAL 1242@500PPB
CAL 2154@500PPB Cal Identifier: Analysis Date/Time 08/26/13 17:57 08/26/13 18:28 08/26/13 18:58 08/26/13 19:29 08/26/13 20:00 Instrument: GC_3

	200.0 400.0	20.00 50.00 100.0 200.0 400.0	5.00	12	9 1.00	71 0.999	2.88 10.71 0.999	!	67	50 2.67	50 2.51:	46 2.67	3.3960 3.2290 2.7846 2.6750 2.5150 2.6767	60 3.22	_	2 0 Qua	DCB-Surrogate	DCB-S
	i,		500.0	LvI=7	<u>.</u>	17 -1	0.927 10.17				1		1			2 5 Avg	-1268	Aroclor-1268
			500.0	LvI=7	7	3 -1	0.0999 9.53	i	I	ł	ł	l	1	ŀ		2 4 Avg	-1268	Aroclor-1268
			500.0	Lvi=7	<u>.</u>	7 -1	0.347 9.37	1		1	i	i	i	i		2 3 Avg	-1268	Aroclor-1268
			500.0	Lvi=7	<u>.</u>	7	0.0634 8.48	i	1		ŀ	i				2 2 Avg	-1268	Aroclor-1268
,)	j:	500.0	Lvi=7	<u>.</u>	424	0.0342 8.44	1	1	1		1	1	1	-	2 1 Avg	-1268	Aroclor-1268
	<i>f</i> :		500.0	Lvl=11	<u>.</u>	17 -1	0.0423 10.17	1	1	1	1	I	1	1		2 5 Avg	-1262	Aroclor-1262
			500.0	Lvl=11	<u>.</u>	3 -1	0.193 9.63	I	ļ	1		١				2 4 Avg	-1262	Aroclor-1262
			500.0	Lvl=11	<u>.</u>	-1	0.166 9.04	1	1		1	1	-	1		2 3 Avo	-1262	Aroclor-1262
			500.0	Lv=11	<u>.</u>	3 -	0.138 8.93	i		1		1	ŀ	i		2 2 Avg	-1262	Aroclor-1262
			500.0	Lvi=11	<u>.</u>	7	0.164 7.78	ŀ	ŀ		İ		İ	i		2 1 Avg	-1262	Aroclor-1262
			500.0	Lv=10	<u>-</u>	<u>-</u>	0.0690 8.41	I	ŀ		İ		İ	I		2 5 Avg	-1254	Aroclor-1254
			500.0	Lvi=10	<u>.</u>	3 -1	0.0683 7.73	1			1		1	i		2 4 Avg	-1254	Aroclor-1254
			500.0	Lv=10	<u>.</u>	2 -1	0.134 7.22	1	1	1	I	1	1	1		2 3 Avg	-1254	Aroclor-1254
			500.0	Lvi=10	<u> </u>	3 -1	0.0504 6.83	I	1	1	i	I	1	1		2 2 Avg	-1254	Aroclor-1254
			500.0	Lv=10	<u> </u>	-1	0.159 6.49		1	1	İ	I		I		2 1 Avg	-1254	Aroclor-1254
			500.0	Lvl=9	7	<u>-</u> 2	0.125 6.28	1	1	1	1	1		1		2 5 Avg	-1248	Aroclor-1248
			500.0	Lvl=9	<u>.</u>	-1	0.0992 6.14	1	1		İ					2 4 Avg	-1248	Aroclor-1248
Lvl8	Concentrations Lvl5 Lvl6 Lvl7	Calibration Level Concentrations Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 L	Lvl1	%Rsd	1 Corr2	Corr1	AvgRf RT	RF8	RF7	RF6	RF5	RF4	RF3	RF2	RF1	Col Mr Fit:	ound	Compound
									20:15	08/26/13 20:15		500PPE	CAL 1262@500PPB	CAL	521.	3G78521	11	
		08/26/13 20:00	2500PPB	CAL 2154@500PPB	378520.	3G7	10		19:44	08/26/13 19:44		500PPE	CAL 1248@500PPB	CAL	519.	3G78519	9	٠.
			2)500PPB	CAL 1242@500PPB	378518.	36	œ		19:14	08/26/13 19:14		3268@500PPB	•	CAL	517.	3G78517	7	۵,
			CAL 1660@4000PPB	CAL 1660¢	378516.	3G	6		18:43	08/26/13 18:43		1660@2000PPB	. 1660@	CAL	515.	3G78515	Մ	٠,
			CAL 1660@1000PPB	CAL 1660¢	378514.	3G7	4		18:12	08/26/13 18:12		1660@500PPB		CAL	513.	3G78513	ω	
		08/26/13 17:57	200PPB	CAL 1660@200PPB	378512.	ဒ္ဓ	2		17:42	08/26/13 17:42	Q	50PPB	CAL 1660@50PPB	CAL	511.	3G78511	_	,
		Citalysis Date/ Illic	:	Our rectificities	-	5		-		1000		-		9				

Flags

criteria(if applicable) c - failed the initial calibration

Note:

小海 なかかい - A 222

122

2000

- 1230 -32-32

Col = Column Number

Mr = MultiPeak Analyte ()=single peak analyte..>()=multi peak analyte (i.e. pch/chlordane etc..)
Fit = Indicates whehter Avg RF. Linear. or Ouadratic Curve was used for compound.

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for an ad Fa.

*Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995 Columns: Signal #1 db-1701 : Signal #2 db-608

Avg Rsd Col 1: 13.3

Avg Rsd Col 2: 14.7

3082608 0080 Method: EPA 8082 Level #: 2G83572. 2G83574. Data File: 2G83570.

Initial Calibration Form 6

Analysis Date/Time	Cal Identifier:	Data File:	Level #:	Analysis Date/Time	Cal Identifier:	e
Instrument: GC_2			Initial Calibration			

		48.4	Ava Bad Calla	0-14: 44.4	Dod C										
			500.0	Lv=11		0.0244 8.83		1				1	2 Avg	_	Aroclor-1262
			500.0	Lv=11	<u>-</u>	0.0479 7.82	- 0	I			1		1 Avg	_	Aroclor-1262
			500.0	Lv=10	<u>-</u>	0.0169 7.65		!	1	1	١	1	5 Avg	_	Aroclor-1254
			500.0	Lv=10		0.0350 7.26 -		-		1	1	1	4 Avg		Arocior-1254
				LVI=10		0.0234 / .14 -		ł	!	1	1	1	S AVQ		Arocior-1254
				[V]= [0	<u> </u>	0.0393 0.90 -					١	I	PAV 7		A10001-1234
					.	0305 6 00							٠ ١	.	Aroclor 1054
			500.0	v =10	<u>.</u>	0 0127 6 77							1 Ava	_	Aroclor-1254
				Lv =9	<u>-</u>	0.0299 6.57	0	1	1			i	5 Avg	_	Aroclor-1248
				[v=9	<u>-</u>	0.0256 5.97	0		!	1			4 Avg	_	Aroclor-1248
			500.0	Lv =9	<u>-</u>	0.0482 5.61 -	. 0		1		1)	3 Avg	_	Aroclor-1248
i i			500.0	LvI=9	<u>.</u>	0.0293 5.26	0	}	1	!	1	ļ	2 Avg	_	Aroclor-1248
\$ 1.50 m			500.0	Lvi=9		0.0116 4.80 -	0	1		i	1.		1 Avg	_	Aroclor-1248
	,\		500.0	Lv=8	200	0.0200 5.87 -	- 0	ì	1	1	ty!-	1	5 Avg	_	Aroclor-1242
600			500.0	LvI=8	•	0.0313 5.62	- 0		1	;		1	4 Avg	_	Aroclor-1242
			500.0	Lvl=8	- -	0.0451 5.26 -	- 0		-	1	1		3 Avg	_	Aroclor-1242
:				LvI=8	<u>-</u>	0.0230 4.79	0		!	1	1	i	2 Avg	_	Aroclor-1242
\$ \$			500.0	Lv =8	_	0.0134 4.42	0	1	1	1	1		1 Avg	_	Aroclor-1242
3			500.0	Lv⊨7	- - -	0.0112 5.87 -	- 0	١			1.	1	5 Avg —	_	Aroclor-1232
À			500.0	Lv=7	_	0.0116 5.40	1 0	1		1	1	À	4 Avg	_	Aroclor-1232
,			500.0	Lvl=7	_	0.0244 5.26	1	1	1	1			3 Avg	_	Aroclor-1232
			500.0	LvI=7	<u>-</u>	0.0129 4.80	- 0	1		1	١	1	2 Avg	_	Aroclor-1232
			500.0	Lvl=7	<u>-</u>	0.0149 4.44	0	ŀ	1	i			1 Avg	_	Aroclor-1232
			500.0	Lv=10	<u>-</u>	0.0210 4.43	0	!	!		1	1	3 Avg		Aroclor-1221
•	14		500.0	Lv=10	- Ti	0.00446 4.37	0.0	1		1		i.	2 Avg	_	Aroclor-1221
1			500.0	LvI=10	·	0.00744 4.23	0.0				İ	1	1 Avg	_	Aroclor-1221
	2000. 4000.	200.0 500.0 1000.	50.00		1.00 1.00		1	1	0.0392 0.0413 0.0353 0.0336 0.0311 0.0311	0.0336 0	13 0.0353	392 0.04	_	. _	Aroclor-1260
	2000. 4000.	200.0 500.0 1000.	50.00 2	14	1.00 1.00	0.0220 8.18 1	0	91	0.0240 0.0267 0.0224 0.0206 0.0192 0.0191	0.0206 0	67 0.022	240 0.02	4 Qua 0.0	_	Arocior-1260
		500.0		8.3	0.999 1.00		0	60	0.0180 0.0191 0.0170 0.0161 0.0154 0.0160	0.0161 0	91 0.0170)180 0.01	3 Avg 0.0	_	Aroclor-1260
		500.0	50.00	19		0.0322 7.39 0	0	1	0.0400 0.0386 0.0325 0.0293 0.0266 0.0260	0.0293 0	86 0.0325)400 0.03	2 Qua 0.0	_	Aroclor-1260
		500.0	50.00	u	0.999 0.999	0.0284 7.14 0	0	22	0.0365 0.0338 0.0285 0.0257 0.0232 0.0222	0.0257 0	38 0.0285	365 0.03	1 Qua 0.0	_	Aroclor-1260
		500.0	50.00	16	9	0.0333 5.62 0	1 0	77	0.0394 0.0394 0.0340 0.0308 0.0283 0.0277	0.0308 0	94 0.0340)394 0.03		_	Aroclor-1016
		500.0	50.00			0.0149 5.51 1	0	34	0.0163 0.0168 0.0150 0.0141 0.0133 0.0134	0.0141 0	68 0.0150)163 0.01	4 Qua 0.0	_	Aroclor-1016
		500.0	50.00			0.0479 5.26 1	0	84	0.0652 0.0548 0.0467 0.0426 0.0392 0.0384	0.0426 0	48 0.0467)652 0.05		_	Aroclor-1016
		500.0	50.00	_		0.0239 4.80 0	0	92 —	0.0292 0.0286 0.0243 0.0219 0.0199 0.0192	0.02190	86 0.0243)292 0.02	2 Qua 0.0		Aroclor-1016
		500.0	0	15	0.999 1.00	0.0129 4.43 0	- 0	07 —	0.0150 0.0150 0.0131 0.0120 0.0110 0.0107	0.0120 0	50 0.0131)150 0.01		_	Aroclor-1016
	200.0 400.0	20.00 50.00 100.0	5.00 2	3.6	0.999 1.00	0.487 3.93 0		145	0.4913 0.5160 0.4773 0.4722 0.4707 0.4945	0.4722 0	60 0.4773	1913 0.51	0 Avg 0.	_	TCMX-Surrogate
s Lvi7 Lvi8	Concentrations Lvl5 Lvl6 L	Calibration Level Concentrations Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 L	Lvl1 l	2 %Rsd	Corr1 Corr2	AvgRf RT C	RF8 Av	RF7	RF5 RF6	RF4 R	RF3	1 RF2	Mr Fit: RF1	<u>S</u>	Compound
		00/2//13 11:24	CAL 2 134(0)00FFB		200000			11:40	08/27/13 11:40	00PPB	CAL 1262@500PPB	CAL	2G83569.		11
		00/2//13 10:34	CAL 3161@600DDD		2002560	5 9	. د	11.00	08/27/13		1248@500DDB	2 5	2083567		o ~
		08/27/13 13:19	CAL 1660@4000PPB		26835/5			10:04	08/2//13 13:04		CAL 1660@ZUUUPPB	25	20835/4.		7 0
		08/27/13 12:49	CAL 1660@1000PPB		2G835/3	, 42		12:34	08/2//13 12:34		1660(@500778	2 2	2G83572.		
		08/27/13 12:19	CAL 1660@200PPB		2G83571.	. 2	. 2	12:04	08/27/13 12:04	OPPB	CAL 1660@50PPB	<u>}</u> }	2G83570.		» <u> </u>
		Analysis Date/I ime	cal identifier:		Data File.	*	LEV	ale/ I II I le	Vildiysis Da		מפונווופו.	2	Dala File.		Level t

Flags

criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte..>0=multi neak analyte (i.e. nch/chlordane etc..)

Fit = Indicates whehter Avg RF. Linear. or Ouadratic Curve was used for comnound.

Corr 1 = Correlation Coefficient for linear Fa.

Avg Rsd Col 1: 14.4

Avg Rsd Col 2: 15.1

Corr 2 = Correlation Coefficient for anad Fa

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000
Initial Calibration Criteria: either %RSD <=20 or Corr >= .995
Columns: Signal #1 db-1701 : Signal #2 db-608

Form 6
Initial Calibration

Instrument: GC_2

1 2083577				500.0	Lvl=9	7	<u>.</u>	0.0192 5.76	1		i	ļ	1	1	1	Avg -	2 3 A		Aroclor-1248
3 2683572 CAL 16606300PPB 0827/13 11244				500.0	Lvl=9	<u>.</u>	<u>.</u>	0.0250 5.43	1	ŀ	ŀ	1		1	1	VQ -	2 2 A		Aroclor-1248
2635372 CAL 1666650PPB 0027713 1204 3 2635372 CAL 1666650PPB 0027713 1204 4 2635373 CAL 1666600PBPB 0027713 1204 6 2635373 CAL 16666000PBPB 0027713 1204 6 2635375 CAL 16666000PBPB 0027713 1204 7 2635355 CAL 2556650PPB 0027713 11039 8 2635355 CAL 2556650PPB 0027713 11039 8 2635355 CAL 2556650PPB 0027713 11039 8 2635357 CAL 16666000PBPB 0027713 11103 COI Mr Fit RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 Avg8t RT Corri Corr2 %Rsd CAL 2556650PPB 0027713 11034 11 Ava				500.0	Lvl=9	ᅩ	<u> </u>	0.00972 5.04	1	1	1		İ		:	₩Q -	2 1 A		Aroclor-1248
2 2033272 CAL IESE/GROOPPB 0027/11/12/34 2 2033273 CAL IESE/GROOPPB 0027/11/13/34 5 2033273 CAL IESE/GROOPPB 0027/11/13/34 6 2033273 CAL IESE/GROOPPB 0027/11/13/34 6 2033273 CAL IESE/GROOPPB 0027/11/13/34 6 2033273 CAL IESE/GROOPPB 0027/11/13/34 6 2033273 CAL IESE/GROOPPB 0027/11/13/34 6 2033273 CAL IESE/GROOPPB 0027/11/13/14/34 6 2033273 CAL IESE/GROOPPB 0027/11/13/14/34 6 20332573 CAL IESE/GROOPPB 0027/11/13/14/34 6 20332573 CAL IESE/GROOPPB 0027/11/13/14/34 6 20332573 CAL IESE/GROOPPB 0027/11/13/14/34 6 2033256 CAL IESE/GROOPPB 0027/11/11/14				500.0	LvI=8	<u> </u>	<u> </u>	0.0135 6.13	i	1	1	1	i		:	\vq -	2 5 A		Aroclor-1242
Column C				500.0	LvI=8	<u>.</u>	<u>.</u>	0.0169 5.75	Ì				i	1	1	Þ.	2 4 A		Aroclor-1242
Column C				500.0	LvI=8	<u>.</u>	7	0.0393 5.42	l		l	ļ	l		1	Py	ω		Aroclor-1242
Column C				500.0	Lvi=8	-	-	0.0200 5.03		1		1	-			DA	22 A		Aroclor-1242
CAL (SEGMESOFPE) 0827/13 1234 3 2033572 CAL (SEGMESOFPE) 0827/13 1234 5 2033573 CAL (SEGMESOFPE) 0827/13 1234 6 2033573 CAL (SEGMESOFPE) 0827/13 1234 7 2033555 CAL 32566750FPE 0827/13 11030 8 2033573 CAL (SEGMESOFPE) 0827/13 11030 8 2033573 CAL (SEGMESOFPE) 0827/13 11030 8 2033573 CAL (SEGMESOFPE) 0827/13 11030 8 2033573 CAL (SEGMESOFPE) 0827/13 11034 9 2033575 CAL 1246650FPE 0827/13 11030 10 203356 CAL 1246650FPE 0827/13 11034 11 And				500.0	Lvl=8	<u> </u>	<u>'</u>	0.0112 4.60	i	1	1	I	i		!	- by	2 1 A		Aroclor-1242
Column				500.0	LvI=7	7	<u>.</u>	0.00592 6.28	1			ł	1		1	√g 	2 5 A		Aroclor-1232
2635572				500.0	Lvi=7	<u>.</u>	<u>.</u>	0.00973 5.76	İ	1	l	l	i		1	Vq -	2 4 A		Aroclor-1232
Costast72		*		500.0	Lvl=7	7	ᅩ	0.0211 5.43	1	1	i	1	ŀ		!	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2 3 A		Aroclor-1232
2683572				500.0	LvI=7	<u>-</u>	-	0.0113 5.04		1		1	-			\vq -	2 2 P		Aroclor-1232
Casastro		si.		500.0	LvI=7	<u> </u>	7	0.01/12 4.62	- AND REAL PROPERTY OF THE PERT		1		ŀ		1	\vg	23117	Same of the same o	Aroclor-1232
1 2633571 CAL 1650@350PPB 08/27/13 12/94 2 2633571 CAL 1650@200PPB 08/27/13 12/94 3 2633572 CAL 1650@200PPB 08/27/13 12/94 5 2633573 CAL 1650@200PPB 08/27/13 12/94 5 2633575 CAL 1650@200PPB 08/27/13 12/94 5 2633575 CAL 1650@200PPB 08/27/13 12/94 5 2633575 CAL 1650@200PPB 08/27/13 12/94 5 2633575 CAL 1650@200PPB 08/27/13 12/94 5 2633575 CAL 1650@200PPB 08/27/13 12/94 5 2633575 CAL 1650@200PPB 08/27/13 12/94 5 2633575 CAL 1260@200PPB 08/27/13 11/95 6 2633575 CAL 1260@200PPB 08/27/13 11/95 6 2633565 CAL 1246@200PPB 08/27/13 11/95 6 2633565 CAL 1246@200PPB 08/27/13 11/95 6 2633565 CAL 1246@200PPB 08/27/13 11/95 6 2633565 CAL 1260@200PPB 08/27/13 11/95 6 2633565 CAL 1260@200PPB 08/27/13 11/95 6 2633565 CAL 1246@200PPB 08/27/13 11/95 6 2633565 CAL 1246@200PPB 08/27/13 11/95 6 2633565 CAL 1246@200PPB 08/27/13 11/95 6 2633565 CAL 1260@200PPB 08/			, de	500.0	Lvl=10	<u>.</u>	7	0.0143 4.62	4.		١		I			Ng -	2 3 A		Aroclor-1221
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1 2683570. CAL 1680@50PPB 08/27/13 12:04 2 2683573. CAL 1680@200PPB 08/27/13 12:04 2 2683573. CAL 1680@200PPB 08/27/13 12:04 5 2683573. CAL 1680@200PPB 08/27/13 13:04 5 2683573. CAL 1680@200PPB 08/27/13 12:04 5 2683573. CAL 1680@200PPB 08/2	ľ	ľ	500.0	ı	15	1.00	1.00	0.0126 6.13	1)7	09 0.010	16 0.01	125 0.0)146 0.0	0149 0.		2 5 0		Aroclor-1016
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1 2G83570. CAL 1660@50PPB 08/27/13 12:04 3 2G83572. CAL 1660@500PPB 08/27/13 12:34 4 2G83573. CAL 1660@200PPB 08/27/13 12:34 5 2G83574. CAL 1660@500PPB 08/27/13 13:04 6 2G83575. CAL 1660@200PPB 08/27/13 12:49 7 2G83565. CAL 1260@200PPB 08/27/13 10:39 9 2G83567. CAL 1248@500PPB 08/27/13 11:09 11 2G83569. CAL 1248@500PPB 08/27/13 11:40 Col Mr Fit: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Col Mr Git: RF1 RF2 RF3 RF4 RF			50.00		15	_		0.433 10.2	1	70 —	82 0.367	91 0.36	402 0.39	5126 0.4	5115 0.		100		DCB-Surrogate
1 2C83570. CAL 1660@50PPB 08/27/13 12:04 3 2C83572. CAL 1660@50PPB 08/27/13 12:34 5 2C83574. CAL 1660@200PPB 08/27/13 13:04 6 2C83575. CAL 1660@200PPB 08/27/13 13:04 7 2C83565. CAL 3680@200PPB 08/27/13 11:39 9 2C83567. CAL 1248@500PPB 08/27/13 11:09 11 2C83568. CAL 3268@500PPB 08/27/13 11:09 12 COI Mr Fit: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd 11 Avq				500.0	Lvl=7	<u> </u>	7	0.145 10.0		-	1	1			!		15 1		Aroclor-1268
1 2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@200PPB 08/27/13 12:04 2 2G83572. CAL 1660@200PPB 08/27/13 12:34 4 2G83573. CAL 1660@200PPB 08/27/13 12:34 5 2G83574. CAL 1660@200PPB 08/27/13 12:34 6 2G83575. CAL 1660@4000PPB 08/27/13 12:49 5 2G83575. CAL 1660@2000PPB 08/27/13 10:39 8 2G83575. CAL 1660@4000PPB 08/27/13 10:39 9 2G83567. CAL 1248@500PPB 08/27/13 11:40 11 2G83569. CAL 1248@500PPB 08/27/13 11:40 2G83569. CAL 1242@500PPB 08/27/13 11:24				500.0	Lvl=7	<u> </u>	<u>.</u>	0.0195 9.18			ł	1			!	√q 	1 4 A		Aroclor-1268
1 2G83570. CAL 1660@50PPB 08/Z7/13 12:04 2 2G83571. CAL 1660@200PPB 08/Z7/13 12:04 3 2G83572. CAL 1660@50PPB 08/Z7/13 12:34 4 2G83573. CAL 1660@200PPB 08/Z7/13 12:34 5 2G83574. CAL 1660@2000PPB 08/Z7/13 13:04 6 2G83575. CAL 1660@4000PPB 08/Z7/13 12:49 7 2G83565. CAL 1248@500PPB 08/Z7/13 11:09 8 2G83566. CAL 1242@500PPB 08/Z7/13 11:09 10 2G83569. CAL 1242@500PPB 08/Z7/13 11:40 Col Mr Fit. RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd CAL 2154@500PPB 08/Z7/13 11:24				500.0	Lv⊨7	<u>.</u>	7	0.0593 9.07			1		1	!	!	- by	13/		Aroclor-1268
1 2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@50PPB 08/27/13 12:04 3 2G83572. CAL 1660@500PPB 08/27/13 12:34 4 2G83573. CAL 1660@200PPB 08/27/13 12:34 5 2G83574. CAL 1660@2000PPB 08/27/13 13:04 6 2G83575. CAL 1660@4000PPB 08/27/13 13:04 9 2G83565. CAL 3268@500PPB 08/27/13 11:09 10 2G83566. CAL 1242@500PPB 08/27/13 11:24 11 2G83569. CAL 1262@500PPB 08/27/13 11:40 Col Mr Fit: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd 1 4 Avq				500.0	LvI=7	<u>_</u>	۲	0.00896 8.50	1	1	l	1	ŀ			√vq 	12/		Aroclor-1268
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1 2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@200PPB 08/27/13 12:04 3 2G83572. CAL 1660@50PPB 08/27/13 12:34 4 2G83573. CAL 1660@200PPB 08/27/13 12:34 5 2G83574. CAL 1660@2000PPB 08/27/13 13:04 6 2G83575. CAL 1660@4000PPB 08/27/13 13:04 9 2G83565. CAL 3268@500PPB 08/27/13 11:09 10 2G83566. CAL 1242@500PPB 08/27/13 11:24 9 2G83567. CAL 1248@500PPB 08/27/13 11:40 2G83569. CAL 1262@500PPB 08/27/13 11:40 2G83569. CAL 1262@500PPB 08/27/13 11:24 Calibration Level Concentrations COI Mr Fit: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Lvl1 Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 Lvl7 1 3 Avg 0.0521 8.90 -1 -1 Lvl=11 500.0				500.0	Lv=11	<u>'</u>	<u>'</u>	0.0238 9.64	1		i	1	ł		!	√q -	144		Aroclor-1262
1 2G83570. CAL 1660@50PPB 08/27/13 12:04 3 2G83572. CAL 1660@50PPB 08/27/13 12:34 5 2G83574. CAL 1660@2000PPB 08/27/13 12:34 6 2G83575. CAL 1660@2000PPB 08/27/13 12:34 7 2G83565. CAL 3268@500PPB 08/27/13 10:39 9 2G83567. CAL 1248@500PPB 08/27/13 11:09 11 2G83569. CAL 1262@500PPB 08/27/13 11:40 Col Mr Fit: RF1 RF2 RF3 RF4 RF5 RF6 RF7 RF8 AvgRf RT Corr1 Corr2 %Rsd Lvl1 Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 Lvl7				500.0	Lv=11	7	<u>-</u>	0.0521 8.90		İ	ļ				!	Μ̈́O -	13/		Aroclor-1262
2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@200PPB 08/27/13 12:04 2G83572. CAL 1660@500PPB 08/27/13 12:34 4 2G83573. CAL 1660@1000PPB 2G83574. CAL 1660@2000PPB 08/27/13 13:04 6 2G83575. CAL 1660@4000PPB 2G83565. CAL 3268@500PPB 08/27/13 10:39 8 2G83566. CAL 1242@500PPB 2G83567. CAL 1248@500PPB 08/27/13 11:09 10 2G83568. CAL 2154@500PPB 2G83569. CAL 1262@500PPB 08/27/13 11:40 2G83568. CAL 2154@500PPB	entrations	_evel Con(VI2 LvI3 L		%Rsd		Corr	1	RF8	RF7							Col Mr F		Compound
2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@200PPB 2G83572. CAL 1660@500PPB 08/27/13 12:34 4 2G83573. CAL 1660@1000PPB 2G83574. CAL 1660@2000PPB 08/27/13 13:04 6 2G83575. CAL 1660@4000PPB 2G83565. CAL 3268@500PPB 08/27/13 10:39 8 2G83566. CAL 1242@500PPB 2G83567. CAL 1248@500PPB 08/27/13 11:09 10 2G83568. CAL 2154@500PPB										11:40	8/27/13		2500PF		C	33569.	2G8		_
2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@200PPB 2G83572. CAL 1660@500PPB 08/27/13 12:34 4 2G83573. CAL 1660@1000PPB 2G83574. CAL 1660@2000PPB 08/27/13 13:04 6 2G83575. CAL 1660@4000PPB 2G83565. CAL 3268@500PPB 08/27/13 10:39 8 2G83566. CAL 1242@500PPB		24	08/27/13 11	2154@500PPB	CAL	83568.	22	10		11:09	18/27/13		2500PF	L 1248	ဂ္	3567.	2G8	•	
2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@200PPB 2G83572. CAL 1660@500PPB 08/27/13 12:34 4 2G83573. CAL 1660@1000PPB 2G83574. CAL 1660@2000PPB 08/27/13 13:04 6 2G83575. CAL 1660@4000PPB		54	08/27/13 10	242@500PPB	CAL	83566	20	∞		10:39)8/27/13		2)500PF	\L 3268(_Ω	33565.	2G8	7	
2G83570. CAL 1660@50PPB 08/27/13 12:04 2 2G83571. CAL 1660@200PPB 2G83572. CAL 1660@50PPB 08/27/13 12:34 4 2G83573. CAL 1660@100PPB		10	08/27/13 13	660@4000PPB	CAL	83575	21	თ ·		13:04)8/27/13		2000P	\L 1660	ဂ္ဂ	33574.	268	.	(D.
Can definite.		19	08/27/13 12	1660@200PPB	CAL 1	383571 383573	2 20	2 4		12:04)8/27/13)8/27/13	JD	2)500PF	1 1660 1 1660	ი ი	3570.	2G 2G	 –	
		ime	Analysis Date/Time		Caild	la File.	Ua	Level #.	-	(e/ - e	allysis Da		<u>a</u>	Cal Identilier		Data File	Dat	בעם #.	Le/

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criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte. >0=multi neak analyte (i.e. nch/chlordane etc..)

Fit = Indicates whehter Avg RF. Linear, or Quadratic Curve was used for compound.

Corr 1 = Correlation Coefficient for linear Fa.

Corr 2 = Correlation Coefficient for an ad Ea.

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995 Columns: Signal #1 dh-1701 : Signal #2 dh-608

Avg Rsd Col 1: 14.4

Avg Rsd Col 2: 15.1

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Method: EPA 8082

Form 6
Initial Calibration

Instrument: GC_2

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DCB-Surrogate	Aroclor-1268	Aroclor-1268	Aroclor-1268	Aroclor-1268	Aroclor-1268	Aroclor-1262	Aroclor-1262	Aroclor-1262	Aroclor-1262	Aroclor-1262	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1254	Aroclor-1248	Aroclor-1248	Compound	11	9	7	5	ω	_	Level #:
2 0 Qua 0.412	2 5 Avg	2 4 Avg	2 3 Avg	2 2 Avg	2 1 Avg	2.5 Avg	2 4 Avg	2 3 Avg	2 2 Avg	2 1 Avg	2 5 Avg	2 4 Avg	2 3 Avg	2 2 Avg	2 1 Avg	2 5 Avg	2 4 Avg	Col Mr Fit: RF1	2G83569.	2G83567	2G83565.	2G83574.	2G83572.	2G83570.	Data File:
0.4127 0.4061 0.3466 0.3230 0.3105 0.3174	-								!		!			1	-	1	 	RF2 RF3 RF4	CAL 1262@500PPB	CAL 1248@500PPB	CAL 3268@500PPB	CAL 1660@2000PPB	CAL 1660@500PPB	CAL 1660@50PPB	Cal Identifier:
0.3105 0.3174		1				1	-		-			1			1		-	RF5 RF6 RF7	08/27/13 11:40	08/27/13 11:09	08/27/13 10:39	8 08/27/13 13:04	08/27/13 12:34	08/27/13 12:04	Analysis Date/Time
0.353 11.04 1.00	0.115 10.46	0.0128 9.77	0.0428 9.61	0.00874 8.67	0.00527 8.63	0.00535 10.46	0.0236 9.88	0.0228 9.25	0.0190 9.14	0.0456 8.09	0.0104 8.60	0.0115 7.90	0.0236 7.38	0.00933 6.98	0.0286 6.64	0.0218 6.41	0.0174 6.28	RF8 AvgRf RT		10	œ	o	4	2	Level #:
4 1.00 1.00 1.3	<u>-</u> -	-1 -1 Lvl=7	-1 -1 Lvl=7	-1 -1 Lvl=7	-1 -1 E Lvl=7	<u>-</u>	-1 -1 Lvl=11	-1 -1 Lvi=1	-1 -1 Lv=11	-1 -1 Lv=11	-1 -1 Lvi=10	-1 -1 Lvl=10	-1 -1 Lvl=10	-1 -1 Lv=10	-1 -1 Lvl=10	-1 -1 Lv=9	-1 -1 Lvl=9	Corr1 Corr2 %Rsd		2G83568.	2G83566.	2G83575.	2G83573.	2G83571.	Data File:
13 5.00	=7 500.0					11 500.0			11 500.0			10 500.0			10 500.0		=9 500.0	sd Lvl1		CAL 2154@500PPB	CAL 1242@500PPB	CAL 1660@4000PPB	CAL 1660@1000PPB	CAL 1660@200PPB	Cal Identifier:
20.00 50.00 100.0 200.0 400.0																		Calibration Level Concentrations Lvl2 Lvl3 Lvl4 Lvl5 Lvl6 L					w		Analysis Date/Time
00.0 400.0	,				M													Concentrations Lvl5 Lvl6 Lvl7 Lvl8							
8	1	,					,																		

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criteria(if applicable) c - failed the initial calibration

Note:

Col = Column Number

Mr = MultiPeak Analyte 0=single neak analyte..>0=multi neak analyte (i.e. nch/chlordane etc..)

Fit = Indicates whether Avg RF. Linear, or Ouadratic Curve was used for comnound.

Corr I = Correlation Coefficient for linear Fa.

Corr 2 = Correlation Coefficient for an AFA.

^Lvl: These compounds use a single pt calibration as specified by the method. The file used to update this calibration point is listed in the header under level #

All Response Factors = Response Factors / 10000 Initial Calibration Criteria: either %RSD <=20 or Corr >= .995 Columns: Signal #1.db-1701 : Signal #2.db-608

Avg Rsd Col 1: 14.4

Avg Rsd Col 2: 15.1

Form7
Continuing Calibration

Method: EPA 8082

	Data File: Method: ration Name: on Date/Time	2G83623.D 8082 CAL 1660@2000PP 08/29/13 11:36 Conc	2G83629.D 8082 CAL 1660@2000PP 08/29/13 13:27 Conc	2G83634.D 8082 CAL 1660@2000PP 08/29/13 15:02 Conc	3G78549.D 8082 CAL 1660@1000PP 08/28/13 09:45 Conc	3G78563.D 8082 CAL 1660@2000PP 08/28/13 13:24 Conc
Compound	Limit Col Mr	Conc Exp %Diff				
TCMX-Surrogate	15 1 0	177.8 200 11.1	192.9 200 3.5	217.3 200 8.7	90.29 100 9.7	191.7 200 4.2
Aroclor-1016	15 1 1	1772 2000 11.4	1933 2000 3.3	2193 2000 9.7	968.2 1000 3.2	2002 2000 0.1
Aroclor-1016	15 1 2	1798 2000 10.1	1899 2000 5.0	2150 2000 7.5	966.9 1000 3.3	2015 2000 0.8
Aroclor-1016	15 1 3	1810 2000 9.5	1913 2000 4.3	2185 2000 9.3	963.1 1000 3.7	1994 2000 0.3
Aroclor-1016	15 1 4	1825 2000 8.7	1894 2000 5.3	2193 2000 9.7	958.4 1000 4.2	2004 2000 0.2
Aroclor-1016	15 1 5	1810 2000 9.5	1845 2000 7.8	2168 2000 8.4	961.6 1000 3.8	2015 2000 0.7
Aroclor-1260	15 1 1	1793 2000 10.4	1835 2000 , 8.3	2140 2000 7.0	963.4 1000 3.7	1959 2000 2.0
Aroclor-1260	15 1 2	1810 2000 9.5	1843 2000 7.9	2163 2000 8.1	964 1000 3.6	1947 2000 2.7
Aroclor-1260	15 1 3	1703 2000 14.8	1768 2000 11.6	2045 2000 2.3	872.8 1000 12.7	1818 2000 9.1
Aroclor-1260	15 1 4	1829 2000 8.5	1876 2000 6.2	2201 2000 10.1	970.1 1000 3.0	1875 2000 6.3
Aroclor-1260	15 1 5	1835 2000 8.2	2002 2000 0.1	2174 2000 8.7	890.5 1000 11.0	1600 2000 20.0*
DCB-Surrogate	15 1 0	185.3 200 7.3	202.8 200 1.4	220.4 200 10.2	98.23 100 1.8	127.6 200 36.2*
Average Difference	15 1 0	9.9	5.4	8.3	5.3	6.9
TCMX-Surrogate	15 2 0	181.4 200 9.3	194.5 200 2.7	221.1 200 10.6	101.6 100 1.6	197.4 200 1.3
Aroclor-1016	15 2 1	1847 2000 7.6	2091 2000 4.5	2221 2000 11.1	1114 1000 11.4	2013 2000 0.7
Aroclor-1016	15 2 2	1727 2000 13.7	1931 2000 3.5	2092 2000 4.6	1129 1000 12.9	1999 2000 0.0
Aroclor-1016	15 2 3	1845 2000 7.8	1968 2000 1.6	2245 2000 12.2	1119 1000 11.9	2058 2000 2.9
Aroclor-1016	15 2 4	1851 2000 7.5	1924 2000 3.8	2241 2000 12.0	1132 1000 13.2	2071 2000 3.6
Aroclor-1016	15 2 5	1848 2000 7.6	1966 2000 1.7	2254 2000 12.7	1146 1000 14.6	2063 2000 3.1
Aroclor-1260	15 2 1	1826 2000 8.7	1863 2000 6.9	2192 2000 9.6	1141 1000 14.1	1982 2000 0.9
Aroclor-1260	15 2 2	1823 2000 8.8	1884 2000 5.8	2194 2000 9.7	1123 1000 12.3	1986 2000 0.7
Aroclor-1260	15 2 3	1690 2000 15.5	1814 2000 9.3	2013 2000 0.7	1101 1000 10.1	1808 2000 9.6
Aroclor-1260	15 2 4	1883 2000 5.9	2043 2000 2.2	2280 2000 14.0	928.5 1000 7.2	1528 2000 23.6*
Aroclor-1260	15 2 5	1891 2000 5.4	2167 2000 8.4	2336 2000 16.8*	851.6 1000 14.8	1228 2000 38.6*
DCB-Surrogate	15 2 0	185.1 200 7.5	201.4 200 0.7	228.7 200 14.4	99.85 100 0.2	127 200 36.5*
Average Difference	15 2 0	8.8	4.3	10.7	10.4	10.1

	Data File: Method: ration Name: on Date/Time	3G78578.D 8082 CAL 1660@2000PP 08/28/13 17:29 Conc	3G78595.D 8082 CAL 1660@2000PP 08/28/13 21:49 Conc	3G78596.D 8082 CAL 1660@2000PP 08/29/13 09:14 Conc	3G78608.D 8082 CAL 1660@2000PP 08/29/13 12:19 Conc	5G47606.D 8082 CAL 1660@500PP 08/28/13 09:20 Conc
Compound	Limit Col Mr	Conc Exp %Diff				
TCMX-Surrogate	15 1 0	196.7 200 1.6	212 200 6.0	173.9 200 13.1	192 200 4.0	48.74 50 2.5
Aroclor-1016	15 1 1	2026 2000 1.3	2204 2000 10.2	1813 2000 9.3	2001 2000 0.1	556.7 500 11.3
Aroclor-1016	15 1 2	2015 2000 0.8	2183 2000 9.2	1764 2000 11.8	1998 2000 0.1	554.9 500 11.0
Aroclor-1016	15 1 3	2011 2000 0.6	2193 2000 9.6	1767 2000 11.6	1997 2000 0.2	516.5 500 3.3
Aroclor-1016	15 1 4	2014 2000 0.7	2176 2000 8.8	1745 2000 12.7	1984 2000 0.8	511.5 500 2.3
Aroclor-1016	15 1 5	1994 2000 0.3	2203 2000 10.2	1786 2000 10.7	2012 2000 0.6	479.7 500 4.1
Aroclor-1260	15 1 1	1977 2000 1.1	2186 2000 9.3	1751 2000 12.4	2013 2000 0.6	548.9 500 9.8
Aroclor-1260	15 1 2	1976 2000 1.2	2188 2000 9.4	1764 2000 11.8	2016 2000 0.8	454.2 500 9.2
Aroclor-1260	15 1 3	1893 2000 5.3	2082 2000 4.1	1665 2000 16.7*	1919 2000 4.1	489.6 500 2.1
Aroclor-1260	15 .1 4	1979 2000 1.1	2195 2000 9.7	1804 2000 9.8	2039 2000 2.0	472.7 500 5.5
Aroclor-1260	15 1 5	1873 2000 6.4	2056 2000 2.8	1692 2000 15.4	1896 2000 5.2	438.5 500 12.3
DCB-Surrogate	15 1 0	199.6 200 0.2	217.4 200 8.7	182.2 200 8.9	198.6 200 0.7	42.89 50 14.2
Average Difference	15 1 0	1.7	8.2	12.0	1.6	7.3
TCMX-Surrogate	15 2 0	199.2 200 0.4	209.3 200 4.7	195.5 200 2.2	194.7 200 2.6	50.13 50 0.3
Aroclor-1016	15 2 1	2044 2000 2.2	2130 2000 6.5	2093 2000 4.6	1980 2000 1.0	544.7 500 8.9
Aroclor-1016	15 2 2	2084 2000 4.2	2162 2000 8.1	2046 2000 2.3	2029 2000 1.4	576.8 500 15.4
Aroclor-1016	15 2 3	2060 2000 3.0	2133 2000 6.6	2023 2000 1.2	2022 2000 1.1	527.9 500 5.6
Aroclor-1016	15 2 4	2103 2000 5.2	2173 2000 8.7	2057 2000 2.8	2047 2000 2.4	444.5 500 11.1
Aroclor-1016	15 2 5	2104 2000 5.2	2176 2000 8.8	2064 2000 3.2	2024 2000 1.2	523.4 500 4.7
Aroclor-1260	15 2 1	2089 2000 4.4	2170 2000 8.5	2049 2000 2.5	2039 2000 2.0	519.7 500 3.9
Aroclor-1260	15 2 2	2090 2000 4.5	2155 2000 7.8	2019 2000 0.9	2034 2000 1.7	504.6 500 0.9
Aroclor-1260	15 2 3	2031 2000 1.6	2110 2000 5.5	1994 2000 0.3	1986 2000 0.7	516.9 500 3.4
Aroclor-1260	15 2 4	1794 2000 10.3	1919 2000 4.1	1792 2000 10.4	1788 2000 10.6	489.7 500 2.1
Aroclor-1260	15 2 5	1659 2000 17.1*	1854 2000 7.3	1696 2000 15.2	1708 2000 14.6	486.3 500 2.7
DCB-Surrogate	15 2 0	185.8 200 7,1	210.6 200 5.3	192.3 200 3.8	195.1 200 2.5	42.39 50 15.2
Average Difference	15 2 0	5.4	6.8	4.1	3.5	6.2

Form7
Continuing Calibration

Continuing Cur		5047(10 D	5047(22 D	5C47(20 D	,	
	Data File: Method:	5G47619.D 8082	5G47632.D 8082	5G47638.D 8082		
Calibr	ation Name:	CAL 1660@500PP	CAL 1660@500PP	CAL 1660@500PP		
	n Date/Time	08/28/13 13:34	08/28/13 17:28	08/28/13 19:32		
		Conc	Conc	Conc	Conc	Conc
Compound	Limit Col Mr	Conc Exp %Diff	Conc Exp %Diff	Conc Exp %Diff	Conc Exp %Diff	Conc Exp %Dif
TCMX-Surrogate	15 1 0	43.83 50 12.3	43.9 50 12.2	46.42 50 7.2		
Aroclor-1016	15 1 1	440.6 500 11.9	490.5 500 1.9	530,5 500 6.1		
Aroclor-1016	15 1 2	468.8 500 6.2	462.2 500 7.6	506 500 1.2		-
Aroclor-1016	15 1 3	436.9 500 12.6	406.5 500 18.7*	423.9 500 15.2	,	
Aroclor-1016	15 1 4	389.2 500 22.2*	439.9 500 12.0	466.2 500 6.8		
Aroclor-1016	15 1 5	440.2 500 12.0	424.9 500 15.0	415.2 500 17.0*		
Aroclor-1260	15 1 1	529.7 500 5.9	530.6 500 6.1	470.5 500 5.9		
Aroclor-1260	15 1 2	368.3 500 26.3*	402.7 500 19.5*	419.3 500 16.1*		1
Aroclor-1260	15 1 3	425.9 500 14.8	548.2 500 9.6	428.1 500 14.4		
Aroclor-1260	15 1 4	478.9 500 4.2	422.0 500 15.6*	449 500 10.2		
Aroclor-1260	15 1 5	407.8 500 18.4*	471.6 500 5.7	465.9 500 6.8		
DCB-Surrogate	15 1 0	39.9 50 20.2*	39.46 50 21.1*	40.88 50 18.2*		
Average Difference	15 1 0	13.9	12.1	10.4		
TCMX-Surrogate	15 2 0	48.86 50 2.3	49.61 50 0.8	51.87 50 3.7		
Aroclor-1016	15 2 1	514.3 500 2.9	491.6 500 1.7	521.6 500 4.3		
Aroclor-1016	15 2 2	538.6 500 7.7	538.7 500 7.7	567.4 500 13.5		
Aroclor-1016	15 2 3	480.8 500 3.8	499.1 500 0.2	534.9 500 7.0		
Aroclor-1016	15 2 4	413.8 500 17.2*	421.3 500 15.7*	435.4 500 12.9		
Aroclor-1016	15 2 5	471.6 500 5.7	509.3 500 1.9	521.7 500 4.3		
Aroclor-1260	15 2 1	470.7 500 5.9	496.0 500 0.8	528.4 500 5.7		
Aroclor-1260	15 2 2	483.7 500 3.3	464.1 500 7.2	512.9 500 2.6		
Aroclor-1260	15 2 3	537.9 500 7.6	515.4 500 3.1	551.0 £500 10.2		
Aroclor-1260	15 2 4	500.3 500 0.1	452.2 500 9.6	513.4 500 2.7		
Aroclor-1260	15 2 5	618.8 500 23.8*	557.7 500 11.5	516.1 500 3.2		
DCB-Surrogate	15 2 0	44.53 50 10.9	42.22 50 15.6*	44.17 550 11.7		
Average Difference	15 2 0	7.6	6.3	6.8		

Ktwinge	w Summary									r	
6.11	Data File:		83570.D	1	78511.D		347333.D		33623.D		3629.D
	ation Name: n Date/Time		660@50PPB 3 12:04:00 PM		660@50PPB 3 5:42:00 PM		1660@50PPB 13 9:32:37 AM		0@2000PPB		@2000PPB
									11:36:00 AM		1:27:00 PM
Compound	Col Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-Surrogate Aroclor-1016	1 0 1 1	3.93 4.44	(3.87 - 3.99) (4.40 - 4.48)	4.00	(3.94 - 4.06) (4.39 - 4.47)	6.27 7.11	(6.21 - 6.33) (7.07 - 7.15)	3.92 4.43	(3.86 - 3.98) (4.39 - 4.47)	3.93 4.44	(3.87 - 3.99) (4.40 - 4.48)
Aroclor-1016	1 2	4.80	(4.76 - 4.84)	4.43	(4.73 - 4.81)	7.62	(7.58 - 7.66)	4.43	(4.75 - 4.83)	4.44	(4.76 - 4.84)
Aroclor-1016	1 3	5.26	(5.22 - 5.30)	5.23	(5.19 - 5.27)	8.22	(8.18 - 8.26)	5.26	(5.22 - 5.30)	5.26	(5.22 - 5.30)
Aroclor-1016 Aroclor-1016	1 4 1 5	5.51 5.62	(5.47 - 5.55) (5.58 - 5.66)	5.35 5.45	(5.31 - 5.39) (5.41 - 5.49)	8.38 8.51	(8.34 - 8.42) (8.47 - 8.55)	5.50 5.62	(5.46 - 5.54) (5.58 - 5.66)	5.51 5.62	(5.47 - 5.55) (5.58 - 5.66)
Aroclor-1260	1 1	7.14	(7.10 - 7.18)	7.03	(6.99 - 7.07)	10.32	(10.28 - 10.36)	7.13	(7.09 - 7.17)	7.14	(7.10 - 7.18)
Aroclor-1260	1 2	7.39	(7.35 - 7.43)	7.28	(7.24 - 7.32)	10.59	(10.55 - 10.63)	7.38	(7.34 - 7.42)	7.39	(7.35 - 7.43)
Aroclor-1260 Aroclor-1260	1 3 1 4	7.59 8.18	(7.55 - 7.63) (8.14 - 8.22)	7.76 8.05	(7.72 - 7.80) (8.01 - 8.09)	11.07 11.38	(11.03 - 11.11) (11.34 - 11.42)	7.58 8.17	(7.54 - 7.62) (8.13 - 8.21)	7.59 8.18	(7.55 - 7.63) (8.14 - 8.22)
Aroclor-1260	1 5	8.91	(8.87 - 8.95)	8.76	(8.72 - 8.80)	12.10	(12.06 - 12.14)	8.90	(8.86 - 8.94)	8.90	(8.86 - 8.94)
Aroclor-1221	11	4.23	(4.19 - 4.27)	4.24	(4.20 - 4.28)	6.81	(6.77 - 6.85)				
Aroclor-1221 Aroclor-1221	1 2 1 3	4.38 4.43	(4.34 - 4.42) (4.39 - 4.47)	4.37 4.43	(4.33 - 4.41) (4.39 - 4.47)	7.02 7.11	(6.98 - 7.06) (7.07 - 7.15)				
Aroclor-1232	1 1	4.44	(4.40 - 4.48)	4.43	(4.39 - 4.47)	7.11	(7.07 - 7.15)				
Aroclor-1232	1 2	4.80	(4.76 - 4.84)	4.77	(4.73 - 4.81)	7.62	(7.58 - 7.66)		1		
Aroclor-1232 Aroclor-1232	1 3	5.26 5.40	(5.22 - 5.30) (5.36 - 5.44)	5.22 5.35	(5.18 - 5.26) (5.31 - 5.39)	8.22 8.38	(8.18 - 8.26) (8.34 - 8.42)				
Aroclor-1232	1 5	5.87	(5.83 - 5.91)	5.79	(5.75 - 5.83)	8.51	(8.47 - 8.55)				-
Aroclor-1242	1 1	4.44	(4.40 - 4.48)	4.43	(4.39 - 4.47)	7.11	(7.07 - 7.15)				
Aroclor-1242 Aroclor-1242	1 2 1 3	4.80 5.26	(4.76 - 4.84) (5.22 - 5.30)	4.77 5.23	(4.73 - 4.81) (5.19 - 5.27)	7.62 8.22	(7.58 - 7.66) (8.18 - 8.26)				
Aroclor-1242	1 4	5.62	(5.58 - 5.66)	5.56	(5.52 - 5.60)	8.51	(8.47 - 8.55)				
Aroclor-1242	1 5	5.87	(5.83 - 5.91)	5.79	(5.75 - 5.83)	8.94	(8.90 - 8.98)	<u> </u>			
Aroclor-1248 Aroclor-1248	1 1 1 2	4.80 5.26	(4.76 - 4.84) (5.22 - 5.30)	4.77 5.23	(4.73 - 4.81) (5.19 - 5.27)	7.62 8.22	(7.58 - 7.66) (8.18 - 8.26)				
Aroclor-1248	1 3	5.61	(5.57 - 5.65)	5.55	(5.51 - 5.59)	8.62	(8.58 - 8.66)				
Aroclor-1248	1 4	5.97	(5.93 - 6.01)	5.90	(5.86 - 5.94)	8.94	(8.90 - 8.98)				-
Aroclor-1248 Aroclor-1254	1 5 1 1	6.57 6.77	(6.53 - 6.61) (6.73 - 6.81)	6.47 6.67	(6.43 - 6.51) (6.63 - 6.71)	9.05 10.16	(9.01 - 9.09) (10.12 - 10.20)				
Aroclor-1254	1 2	6.98	(6.94 - 7.02)	6.87	(6.83 - 6.91)	10.32	(10.28 - 10.36)				
Aroclor-1254	1 3	7.14	(7.10 - 7.18)	7.03	(6.99 - 7.07)	10.46	(10.42 - 10.50)				
Aroclor-1254 Aroclor-1254	1 4 1 5	7.26 7.65	(7.22 - 7.30) (7.61 - 7.69)	7.15 7.53	(7.11 - 7.19) (7.49 - 7.57)	10.58 10.85	(10.54 - 10.62) (10.81 - 10.89)		-		į
Aroclor-1262	1 1	7.82	(7.78 - 7.86)	7.71	(7.67 - 7.75)	10.58	(10.54 - 10.62)		į		
Aroclor-1262	1 2	8.83	(8.79 - 8.87)	8.70	(8.66 - 8.74)	12.02					
Aroclor-1262 Aroclor-1262	1 3 1 4	8.90 9.64	(8.86 - 8.94) (9.60 - 9.68)	8.76 9.45	(8.72 - 8.80) (9.41 - 9.49)	12.08 12.77	(12.04 - 12.12) (12.73 - 12.81)				- 9
Aroclor-1262	1 5	10.00	(9.96 - 10.04)	9.81	(9.77 - 9.85)	13.10	(13.06 - 13.14)	İ			:
Aroclor-1268	1 1	8.18	(8.14 - 8.22)	8.06	(8.02 - 8.10)	11.36	(11.32 - 11.40)				
Aroclor-1268 Aroclor-1268	1 2 1 3	8.50 9.08	(8.46 - 8.54) (9.04 - 9.12)	8.36 8.95	(8.32 - 8.40) (8.91 - 8.99)	11.69 12.25	(11.65 - 11.73) (12.21 - 12.29)				
Aroclor-1268	1 4	9.18	(9.14 - 9.22)	9.04	(9.00 - 9.08)	12.34	(12.30 - 12.38)				
Aroclor-1268	1 5	10.00	(9.96 - 10.04)	9.81	(9.77 - 9.85)	13.10	(13.06 - 13.14)	40.04	(10.15.10.00)		
DCB-Surrogate TCMX-Surrogate	1 0 2 0	10.22 4.01	(10.16 - 10.28) (3.95 - 4.07)	10.04 3.97	(9.98 - 10.10) (3.91 - 4.03)	13.30 6.21	(13.24 - 13.36) (6.15 - 6.27)	10.21 4.01	(10.15 - 10.27) (3.95 - 4.07)	10.22 4.01	(10.16 - 10.28) (3.95 - 4.07)
Aroclor-1016	2 1	4.62	(4.58 - 4.66)	4.54	(4.50 - 4.58)	7.16	(7.12 - 7.20)	4.61	(4.57 - 4.65)	4.61	(4.57 - 4.65)
Aroclor-1016 Aroclor-1016	2 2	5.04	(5.00 - 5.08)	4.95	(4.91 - 4.99)	7.72	(7.68 - 7.76)	5.04	(5.00 - 5.08)	5.04	(5.00 - 5.08)
Aroclor-1016	2 3 2 4	5.43 5.76	(5.39 - 5.47) (5.72 - 5.80)	5.32 5.64	(5.28 - 5.36) (5.60 - 5.68)	8.21 8.42	(8.17 - 8.25) (8.38 - 8.46)	5.42 5.75	(5.38 - 5.46) (5.71 - 5.79)	5.42 5.75	(5.38 - 5.46) (5.71 - 5.79)
Aroclor-1016	2 5	6.13	(6.09 - 6.17)	6.00	(5.96 - 6.04)	8.59	(8.55 - 8.63)	6.13	(6.09 - 6.17)	6.13	(6.09 - 6.17)
Aroclor-1260 Aroclor-1260	2 1	7.45	(7.41 - 7.49)	7.29	(7.25 - 7.33)	10.41	(10.37 - 10.45)	7.45	(7.41 - 7.49)	7.45	(7.41 - 7.49)
Aroclor-1260 Aroclor-1260	2 2 2 2	7.54 8.17	(7.50 - 7.58) (8.13 - 8.21)	7.37 8.35	(7.33 - 7.41) (8.31 - 8.39)		(10.47 - 10.55) (11.45 - 11.53)	7.53 8.17	(7.49 - 7.57) (8.13 - 8.21)	7.53 8.17	(7.49 - 7.57) (8.13 - 8.21)
Aroclor-1260	2 4	8.54	(8.50 - 8.58)	9.04	(9.00 - 9.08)	12.17	(1,2,1,3 - 12,21)	8.53	(8.49 - 8.57)	8.54	(8.50 - 8.58)
Aroclor-1260 Aroclor-1221	2 5 2 1	9.25	(9.21 - 9.29)	9.63	(9.59 - 9.67)	12.71	(12.67 - 12.75) (6.82 - 6.90)	9.25	(9.21 - 9.29)	9.25	(9.21 - 9.29)
Aroclor-1221	2 2	4.40 4.55	(4.36 - 4.44) (4.51 - 4.59)	4.33 4.48	(4.29 - 4.37) (4.44 - 4.52)	6.86	(7.03 - 7.11)				
Aroclor-1221	2 3	4.62	(4.58 - 4.66)	4.54	(4.50 - 4.58)	7.16	(7, 12 - 7.20)				
Aroclor-1232 Aroclor-1232	2 1	4.62	(4.58 - 4.66)	4.54	(4.50 - 4.58) (4.90 - 4.98)	7.16	(7.12 - 7.20)				
Aroclor-1232 Aroclor-1232	2 2 2 2 3	5.04 5.43	(5.00 - 5.08) (5.39 - 5.47)	4.94 5.32	(5.28 - 5.36)	7.72 8.21	(7.68 - 7.76) (8.17 - 8.25)				
Aroclor-1232	2 4	5.76	(5.72 - 5.80)	6.00	(5.96 - 6.04)	8.42	(8.38 - 8.46)				
Aroclor-1232 Aroclor-1242	2 5 2 1	6.28 4.62	(6.24 - 6.32) (4.58 - 4.66)	6.14 4.55	(6.10 - 6.18) (4.51 - 4.59)	8.60 7.16	(8.56 - 8.64) (7.12 - 7.20)				
Aroclor-1242 Aroclor-1242	2 2	5.04	(5.00 - 5.08)	4.55	(4.91 - 4.99)	7.16	(7.68 - 7.76)				
Aroclor-1242	2 3	5.43	(5.39 - 5.47)	5.32	(5.28 - 5.36)	8.21	(8.17 - 8.25)				:
Aroclor-1242 Aroclor-1242	2 4 2 5	5.76 6.13	(5.72 - 5.80) (6.09 - 6.17)	5.64 6.00	(5.60 - 5.68) (5.96 - 6.04)	8.60	(8.56 - 8.64)				
Aroclor-1248	2 1	5.04	(5.00 - 5.08)	4.95	(4.91 - 4.99)	9.02 7.72	(8.98 - 9.06) (7.68 - 7.76)				
Aroclor-1248	2 2	5.43	(5.39 - 5.47)	5.32	(5.28 - 5.36)	8.19	(8.15 - 8.23)				
Aroclor-1248 Aroclor-1248	2 3 2 4	5.76 6.28	(5.72 - 5.80)	5.64	(5.60 - 5.68)	8.60	(8.56 - 8.64)				
Aroclor-1248	2 4	6.41	(6.24 - 6.32) (6.37 - 6.45)	6.14 6.28	(6.10 - 6.18) (6.24 - 6.32)	9.02 9.34	(8.98 - 9.06) (9.30 - 9.38)				
Aroclor-1254	2 1	6.64	(6.60 - 6.68)	6.49	(6.45 - 6.53)	9.51	(9.47 - 9.55)				
Aroclor-1254 Aroclor-1254	2 2 2 2 3	6.98 7.38	(6.94 - 7.02) (7.34 - 7.42)	6.83 7.22	(6.79 - 6.87) (7.18 - 7.26)	9.92	(9.88 - 9.96)				
Aroclor-1254 Aroclor-1254	2 4	7.90	(7.86 - 7.94)	7.22	(7.18 - 7.26) (7.69 - 7.77)	10.36 10.87	(10.32 - 10.40) (10.83 - 10.91)				
Aroclor-1254	2 5	8.60	(8.56 - 8.64)	8.41	(8.37 - 8.45)	11.54	(11.50 - 11.58)				
Aroclor-1262 Aroclor-1262	2 1 2	8.09 9.14	(8.05 - 8.13) (9.10 - 9.18)	7.78 8.93	(7.74 - 7.82) (8.89 - 8.97)	10.92 12.07	(10.88 - 10.96) (12.03 - 12.11)				
Aroclor-1262	2 2	9.14	(9.21 - 9.29)	9.04	(9.00 - 9.08)	12.07	(12.13 - 12.11)				
Aroclor-1262	2 4	9.88	(9.84 - 9.92)	9.63	(9.59 - 9.67)	12.71	(12.67 - 12.75)				and the second s
Aroclor-1262 Aroclor-1268	2 5 2 1	10.46 8.63	(10.42 - 10.50) (8.59 - 8.67)	10.17 8.44	(10.13 - 10.21) (8.40 - 8.48)	13.20 11.58	(13.16 - 13.24) (11.54 - 11.62)				
Aroclor-1268	2 2	8.67	(8.63 - 8.71)	8.48	(8.44 - 8.52)	11.63	(11.59 - 11.67)				
Aroclor-1268	2 3	9.61	(9.57 - 9.65)	9.37	(9.33 - 9.41)	12.47.	(12.43 - 12.51)				
Aroclor-1268 Aroclor-1268	2 4 2 5	9.77 10.46	(9.73 - 9.81) (10.42 - 10.50)	9.53 10.17	(9.49 - 9.57) (10.13 - 10.21)	12.61 13.19	(12.57 - 12.65) (13.15 - 13.23)				
DCB-Surrogate	2 0	11.04	(10.98 - 11.10)	10.17	(10.65 - 10.77)	13.19	(13:62 - 13.74)	11.03	(10.97 - 11.09)	11.04	(10.98 - 11.10)

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	For RtWindow	m7 v Summary		Metho	od: EPA 808	2		1			3082	608 008
		Data File: tion Name: Date/Time	CAL 166	8549.D 0@1000PPB 3 9:45:00 AM	CAL 166	8578.D 0@2000PPB 3 5:29:00 PM	CAL 16	78596 D 60@2000PPB 3 9(14:00 AM	CAL 16	47606.D 60@500PPB 3 9:20:38 AM	CAL 166	7632.D 60@500PPB 3 5:28:40 PM
Compo	und	Col Mr	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit	Cal RT	Limit
TCMX-S		1 0	4.00	(3.94 - 4.06)	4.01	(3.95 - 4.07)	4.01	(3.95 - 4.07)	6.27	(6.21 - 6.33)	6.27	(6.21 - 6.33)
Aroclor-1		1 1	4.43	(4.39 - 4.47)	4.44	(4.40 - 4.48)	4.44	(4.40 - 4.48)	7.11	(7.07 - 7.15)	7.11	(7.07 - 7.15)
Aroclor-1 Aroclor-1		1 2 1 3	4.77 5.22	(4.73 - 4.81) (5.18 - 5.26)	4.78 5.23	(4.74 - 4.82) (5.19 - 5.27)	4.78 5.23	(4.74 - 4.82) (5.19 - 5.27)	7.62 8.22	(7.58 - 7.66) (8.18 - 8.26)	7.62 8.22	(7.58 - 7.66) (8.18 - 8.26)
Aroclor-1		1 4	5.35	(5.31 - 5.39)	5.35	(5.31 - 5.39)	5.35	(5.31 - 5.39)	8.38	(8.34 - 8.42)	8.38	(8.34 - 8.42)
Aroclor-1		1 5 1 1	5.45	(5.41 - 5.49)	5.45	(5.41 - 5.49)	5.45	(5.41 - 5.49)	8.51	(8.47 - 8.55)	8.51	(8.47 - 8.55)
Aroclor-1 Aroclor-1		1 1 1 2	7.03 7.28	(6.99 - 7.07) (7.24 - 7.32)	7.03 7.28	(6.99 - 7.07) (7.24 - 7.32)	7.03 7.28	(6.99 - 7.07) (7.24 - 7.32)	10.32 10.58	(10.28 - 10.36) (10.54 - 10.62)	10.31 10.58	(10.27 - 10.35) (10.54 - 10.62)
Aroclor-1	1260	1 3	7.76	(7.72 - 7.80)	7.76	(7.72 - 7.80)	7.76	(7.72 - 7.80)	11.07	(11.03 - 11.11)	11.07	(11.03 - 11.11)
Aroclor-1 Aroclor-1		1 4 1 5	8.05 8.76	(8.01 - 8.09) (8.72 - 8.80)	8.05 8.76	(8.01 - 8.09) (8.72 - 8.80)	8.05 8.76	(8.01 - 8.09) (8.72 - 8.80)	11.37 12.09	(11.33 - 11.41) (12.05 - 12.13)	11.37 12.09	(11.33 - 11.41) (12.05 - 12.13)
Aroclor-1		11	0.70	10.72 - 0.001	0.70	10.72 - 0.007	0.70	10.72 - 0.007	12.03	(12.05 - 12.16)	12,03	(12.00 - 12.10)
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DCB-Su		1 0	10.04	(9.98 - 10.10) (3.91 - 4.03)	10.05	(9.99 - 10.11)	10.04	(9.98 - 10.10)	13.30	(13.24 - 13.36)	13.29	(13.23 - 13.35)
TCMX-S Aroclor-		2 0 2 1	3.97 4.54	(4.50 - 4.58)	3.98 4.55	(3.92 - 4.04) (4.51 - 4.59)	3.97 4.55	(3.91 - 4.03) (4.51 - 4.59)	6.19 7.14	(6.13 - 6.25) (7.10 - 7.18)	6.20 7.15	(6.14 - 6.26) (7.11 - 7.19)
Aroclor-1	1016	2_2_	4.95	(4.91 - 4.99)	4.95	(4.91 - 4.99)	4.95	(4.91 - 4.99)	7.71	(7.67 - 7.75)	7.72	(7.68 - 7.76)
Aroclor-1 Aroclor-1		2 3 2 4	5.32 5.64	(5.28 - 5.36) (5.60 - 5.68)	5.32 5.64	(5.28 - 5.36) (5.60 - 5.68)	5.32 5.64	(5.28 - 5.36) (5.60 - 5.68)	8.19 8.40	(8.15 - 8.23) (8.36 - 8.44)	8.20 8.41	(8.16 - 8.24) (8.37 - 8.45)
Aroclor-1		2 5	6.00	(5.96 - 6.04)	6.00	(5.96 - 6.04)	6.00	(5.96 - 6.04)	8.58	(8.54 - 8.62)	8.59	(8.55 - 8.63)
Aroclor-1 Aroclor-1		2 1 2 2	7.29	(7.25 - 7.33) (7.33 - 7.41)	7.29	(7.25 - 7.33)	7.29	(7.25 - 7.33) (7.33 - 7.41)	10.40	(10.36 - 10.44) (10.45 - 10.53)	10.41	(10.37 - 10.45) (10.46 - 10.54)
Aroclor-1		2 2 2 3	7.37 8.35	(8.31 - 8.39)	7.37 8.35	(7.33 - 7.41) (8.31 - 8.39)	7.37 8.35	(8.31 - 8.39)	10.49 11.48	(11.44 - 11.52)	10.50 11.48	(11.44 - 11.52)
Aroclor-1		2 4	9.04	(9.00 - 9.08)	9.04	(9.00 - 9.08)	9.04	(9.00 - 9.08)	12.16	(12.12 - 12.20)	12.17	(12.13 - 12.21)
Aroclor-1 Aroclor-1		2 5 2 1	9.63	(9.59 - 9.67)	9.63	(9.59 - 9.67)	9.63	(9.59 - 9.67)	12.70	(12.66 - 12.74)	12.70	(12.66 - 12.74)
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Aroclor-1	268	2 3		ļ								
Aroclor-1 Aroclor-1		2 4 2 5				}						
DCB-Sur		2 0	10.71	(10.65 - 10.77)	10.71	(10.65 - 10.77)	10.71	(10.65 - 10.77)	13.67	(13.61 - 13.73)	13.67	(13.61 - 13.73)

Wet Chemistry Data

VERITECH Wet Chem Form1 Analysis Summary % Solids

TestGroupName: % Solids SM2540G

TestGroup: %SOLIDS

Project #: 3082608

Lab#	Client SampleID	Matrix	Dilution:	Result	Units:	RL	Prep Date	Analysis Date	Received Date	Collect Date
AC74208-002	NY-P01-SB-2-5B-	Soil	1	19	Percent			08/27/13	08/26/13	08/23/13
AC74208-003	NY-P01-SB-2-5B-	Soil	1	84	Percent			08/27/13	08/26/13	08/23/13
AC74208-004	NY-P01-SB-2-5B-	Soil	1	91	Percent			08/27/13	08/26/13	08/23/13
AC74208-005	NY-P01-SB-2-5B-	Soil	1	22	Percent			08/27/13	08/26/13	08/23/13
AC74208-006	NY-P01-SB-2-5C-	Soil	1	20	Percent			08/27/13	08/26/13	08/23/13
AC74208-007	NY-P01-SB-2-5C-	Soil	1	17	Percent			08/27/13	08/26/13	08/23/13
AC74208-008	NY-P01-SB-2-5C-	Soil	1 ,	84	Percent			08/27/13	08/26/13	08/23/13
AC74208-009	NY-P01-SB-2-5C-	Soil	1	20	Percent			08/27/13	08/26/13	08/23/13
AC74208-010	SO-20130823094	Soil	1 -	88	Percent			08/27/13	08/26/13	08/23/13

% Solids Report

Analysis Type: SOLIDS-SS BatchID: SOLIDS-SS-2203

QcType	SampleID:	Rounded Result	Raw Result	Units	Tare Weight	Wet Weight	Dry Weight	Analysis Date	Analyzed By	QC RPD	Rpd Limit
DUP	AC74194-004	92	92.43295	Percent	1.10	11.54	10.74	08/27/13	hossain	0.22	5
Sample	AC74182-010	90	90.32882	Percent	1.11	11.45	10.44	08/27/13	hossain		
Sample	AC74182-011	84	84.19083	Percent	1.09	11.78	10.08	08/27/13	hossain		
Sample	AC74182-012	81	80.76923	Percent	1.09	11.75	9.69	08/27/13	hossain		
Sample	AC74182-013	86-	85.91800	Percent	1.09	12.31	10.72	08/27/13	hossain		
Sample	AC74182-014	86	85.70111	Percent	1.09	11.93	10.38	08/27/13	hossain		
Sample	AC74182-017	84	84.11819	Percent	1.09	11.92	10.20	08/27/13	hossain		
Sample	AC74182-018	82	81.67293	Percent	1.10	11.74	9.79	08/27/13	hossain		
Sample	AC74194-004	92	92.23394	Percent	1.11	11.54	10.73	08/27/13	hossain		
Sample	AC74208-002	19 🐰	19.19476	Percent	1.10	11.78	3.26	08/27/13	hossain		
Sample	AC74208-003	84	84.37792	Percent	1.10	11.79	10.11	08/27/13	hossain		
Sample	AC74208-004	91	91.03815	Percent	1.09	12.36	11.35	08/27/13	hossain		
Sample	AC74208-005	22	22.13039	Percent	1.09	11.98	3.58	08/27/13	hossain		
Sample	AC74208-006	20	19.64981	Percent	1.08	11.36	3.22	08/27/13	hossain		
Sample	AC74208-007	17	17.19500	Percent	1.09	11.50	2.97	08/27/13	hossain		
Sample	AC74208-008	84	83.84321	Percent	1.11	11.57	9.88	08/27/13	hossain		
Sample	AC74208-009	20	19.80108	Percent	1.09	12.15	3.37	08/27/13	hossain		
Sample	AC74208-010	88	88.45438	Percent	1.08	11.82	10.57	08/27/13	hossain		
Sample	AC74215-001	81	81.19181	Percent	1.09	11.83	9.80	08/27/13	hossain		
Sample	AC74215-002	79	79.12297	Percent	1.09	11.58	9.39	08/27/13	hossain		
Sample	AC74215-003	84	84.21509	Percent	1.08	12.61	10.78	08/27/13	hossain		

^{* -} Indicates Failed Rpd Criteria



Last Page of Report