

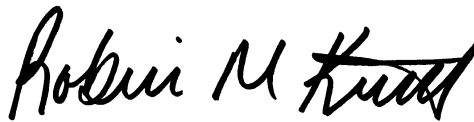
ANALYTICAL REPORT

Job Number: 510-73586-1

Job Description: South Bend Former Studebaker Foundry

For:

Weaver Boos Consultants LLC
4085 Meghan Beeler Court
South Bend, IN 46628
Attention: Jodi Slough



Approved for release.
Robin M Kintz
Project Manager I
12/22/2011 2:16 PM

Robin M Kintz
Project Manager I
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12/22/2011

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Valparaiso Certifications and IDs: New Hampshire (283711), Illinois (200065), Indiana DW (C-64-01), Indiana DW Micro (M-64-4), Washington (C842), Kentucky UST (57) and Foreign Soil Permit (P330-11-00073).

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Job Narrative
510-73586-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC Semi VOA

Method(s) 8082: The following samples required two sulfuric acid clean-ups to reduce matrix interferences: (510-73586-1 MS), (510-73586-1 MSD), Field Duplicate (510-73586-5), TRAB-11@22' (510-73586-2), TRC-4@16' (510-73586-1), TRC-SW-2b (510-73586-4), TRC-SW-4b (510-73586-3). Prep batch 91321.

Method(s) 8082: Due to the level of dilution required for the following samples, surrogate recoveries are not reported: (510-73586-1 MS), (510-73586-1 MSD), Field Duplicate (510-73586-5), TRAB-11@22' (510-73586-2), TRC-4@16' (510-73586-1), TRC-SW-2b (510-73586-4), TRC-SW-4b (510-73586-3). Prep batch 91321.

Method(s) 8082: The following samples were diluted due to the abundance of non-target analytes and the matrix of the samples: (510-73586-1 MS), (510-73586-1 MSD), Field Duplicate (510-73586-5), TRAB-11@22' (510-73586-2), TRC-4@16' (510-73586-1), TRC-SW-2b (510-73586-4), TRC-SW-4b (510-73586-3). Elevated reporting limits (RLs) are provided. Prep batch 91321.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Instrument ID: SGCA Analysis Batch Number: 91178

Lab Sample ID: STD500 510-91178/5 IC Client Sample ID: _____

Date Analyzed: 12/16/11 11:19 Lab File ID: B5995.D GC Column: 8082/608 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	6.77	Baseline Smoothing	iversc	12/16/11 11:55
PCB-1260 Peak 2	7.25	Baseline Smoothing	iversc	12/16/11 11:55
PCB-1260 Peak 3	7.49	Baseline Smoothing	iversc	12/16/11 11:55
PCB-1260 Peak 4	7.80	Baseline Smoothing	iversc	12/16/11 11:55
PCB-1260 Peak 5	8.56	Baseline Smoothing	iversc	12/16/11 11:55

SAMPLE SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
510-73586-1	TRC-4@16'	Solid	12/19/2011 1200	12/19/2011 1500
510-73586-2	TRAB-11@22'	Solid	12/19/2011 1000	12/19/2011 1500
510-73586-3	TRC-SW-4b	Solid	12/19/2011 1100	12/19/2011 1500
510-73586-4	TRC-SW-2b	Solid	12/19/2011 1030	12/19/2011 1500
510-73586-5	Field Duplicate	Solid	12/19/2011 1115	12/19/2011 1500

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
510-73586-1 Percent Moisture Percent Solids	TRC-4@16'	5.7 94		0.10 0.10	% %	Moisture Moisture
510-73586-2 PCB-1260 Percent Moisture Percent Solids	TRAB-11@22'	1.5 18 82		0.24 0.10 0.10	mg/Kg % %	8082 Moisture Moisture
510-73586-3 Percent Moisture Percent Solids	TRC-SW-4B	8.4 92		0.10 0.10	% %	Moisture Moisture
510-73586-4 Percent Moisture Percent Solids	TRC-SW-2B	9.5 90		0.10 0.10	% %	Moisture Moisture
510-73586-5 Percent Moisture Percent Solids	FIELD DUPLICATE	13 87		0.10 0.10	% %	Moisture Moisture

METHOD SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography Mircrowave	TAL VAL	SW846 8082	SW846 3546
Percent Moisture	TAL VAL	EPA Moisture	

Lab References:

TAL VAL = TestAmerica Valparaiso

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Method	Analyst	Analyst ID
SW846 8082	Ivers, Catherine L	CLI
EPA Moisture	Allen, Tiffany L	TLA

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Client Sample ID: TRC-4@16'

Lab Sample ID: 510-73586-1

Date Sampled: 12/19/2011 1200

Client Matrix: Solid

% Moisture: 5.7

Date Received: 12/19/2011 1500

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082	Analysis Batch: 510-91345	Instrument ID: SGCA
Prep Method: 3546	Prep Batch: 510-91321	Initial Weight/Volume: 15.02 g
Dilution: 10		Final Weight/Volume: 5 mL
Analysis Date: 12/20/2011 1449	Run Type: DL	Injection Volume: 1 uL
Prep Date: 12/20/2011 0812		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
PCB-1016		<0.21		0.21
PCB-1221		<0.21		0.21
PCB-1232		<0.21		0.21
PCB-1242		<0.21		0.21
PCB-1248		<0.21		0.21
PCB-1254		<0.21		0.21
PCB-1260		<0.21		0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D	14 - 147
Dibutylchloroendate	0	D	10 - 132

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Client Sample ID: TRAB-11@22'

Lab Sample ID: 510-73586-2

Date Sampled: 12/19/2011 1000

Client Matrix: Solid

% Moisture: 17.5

Date Received: 12/19/2011 1500

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082	Analysis Batch: 510-91345	Instrument ID: SGCA
Prep Method: 3546	Prep Batch: 510-91321	Initial Weight/Volume: 15.30 g
Dilution: 10		Final Weight/Volume: 5 mL
Analysis Date: 12/20/2011 1535	Run Type: DL	Injection Volume: 1 uL
Prep Date: 12/20/2011 0812		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
PCB-1016		<0.24		0.24
PCB-1221		<0.24		0.24
PCB-1232		<0.24		0.24
PCB-1242		<0.24		0.24
PCB-1248		<0.24		0.24
PCB-1254		<0.24		0.24
PCB-1260		1.5		0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D	14 - 147
Dibutylchloroendate	0	D	10 - 132

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Client Sample ID: TRC-SW-4b

Lab Sample ID: 510-73586-3

Date Sampled: 12/19/2011 1100

Client Matrix: Solid

% Moisture: 8.4

Date Received: 12/19/2011 1500

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082	Analysis Batch: 510-91345	Instrument ID: SGCA
Prep Method: 3546	Prep Batch: 510-91321	Initial Weight/Volume: 15.30 g
Dilution: 10		Final Weight/Volume: 5 mL
Analysis Date: 12/20/2011 1550	Run Type: DL	Injection Volume: 1 uL
Prep Date: 12/20/2011 0812		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
PCB-1016		<0.21		0.21
PCB-1221		<0.21		0.21
PCB-1232		<0.21		0.21
PCB-1242		<0.21		0.21
PCB-1248		<0.21		0.21
PCB-1254		<0.21		0.21
PCB-1260		<0.21		0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D	14 - 147
Dibutylchloroendate	0	D	10 - 132

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Client Sample ID: TRC-SW-2b

Lab Sample ID: 510-73586-4

Date Sampled: 12/19/2011 1030

Client Matrix: Solid

% Moisture: 9.5

Date Received: 12/19/2011 1500

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082	Analysis Batch: 510-91345	Instrument ID: SGCA
Prep Method: 3546	Prep Batch: 510-91321	Initial Weight/Volume: 15.50 g
Dilution: 10		Final Weight/Volume: 5 mL
Analysis Date: 12/20/2011 1606	Run Type: DL	Injection Volume: 1 uL
Prep Date: 12/20/2011 0812		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
PCB-1016		<0.21		0.21
PCB-1221		<0.21		0.21
PCB-1232		<0.21		0.21
PCB-1242		<0.21		0.21
PCB-1248		<0.21		0.21
PCB-1254		<0.21		0.21
PCB-1260		<0.21		0.21

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D	14 - 147
Dibutylchloroendate	0	D	10 - 132

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Client Sample ID: Field Duplicate

Lab Sample ID: 510-73586-5

Date Sampled: 12/19/2011 1115

Client Matrix: Solid

% Moisture: 13.1

Date Received: 12/19/2011 1500

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082	Analysis Batch: 510-91345	Instrument ID: SGCA
Prep Method: 3546	Prep Batch: 510-91321	Initial Weight/Volume: 15.37 g
Dilution: 10		Final Weight/Volume: 5 mL
Analysis Date: 12/20/2011 1621	Run Type: DL	Injection Volume: 1 uL
Prep Date: 12/20/2011 0812		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
PCB-1016		<0.22		0.22
PCB-1221		<0.22		0.22
PCB-1232		<0.22		0.22
PCB-1242		<0.22		0.22
PCB-1248		<0.22		0.22
PCB-1254		<0.22		0.22
PCB-1260		<0.22		0.22

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D	14 - 147
Dibutylchloroendate	0	D	10 - 132

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

General Chemistry

Client Sample ID: TRC-4@16'

Lab Sample ID: 510-73586-1
Client Matrix: Solid

Date Sampled: 12/19/2011 1200
Date Received: 12/19/2011 1500

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.7		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N
Percent Solids	94		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

General Chemistry

Client Sample ID: TRAB-11@22'

Lab Sample ID: 510-73586-2

Client Matrix: Solid

Date Sampled: 12/19/2011 1000

Date Received: 12/19/2011 1500

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	18		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N
Percent Solids	82		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

General Chemistry

Client Sample ID: TRC-SW-4b

Lab Sample ID: 510-73586-3

Client Matrix: Solid

Date Sampled: 12/19/2011 1100

Date Received: 12/19/2011 1500

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.4		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N
Percent Solids	92		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

General Chemistry

Client Sample ID: TRC-SW-2b

Lab Sample ID: 510-73586-4
Client Matrix: Solid

Date Sampled: 12/19/2011 1030
Date Received: 12/19/2011 1500

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	9.5		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N
Percent Solids	90		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N

Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

General Chemistry

Client Sample ID: Field Duplicate

Lab Sample ID: 510-73586-5

Client Matrix: Solid

Date Sampled: 12/19/2011 1115

Date Received: 12/19/2011 1500

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	13		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N
Percent Solids	87		%	0.10	1.0	Moisture
	Analysis Batch: 510-91311	Analysis Date: 12/19/2011	1722			DryWt Corrected: N

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBC1 %Rec	DCB1 %Rec
510-73586-1 DL	TRC-4@16' DL	0D	0D
510-73586-2 DL	TRAB-11@22' DL	0D	0D
510-73586-3 DL	TRC-SW-4b DL	0D	0D
510-73586-4 DL	TRC-SW-2b DL	0D	0D
510-73586-5 DL	Field Duplicate DL	0D	0D
MB 510-91321/1-A		59	77
LCS 510-91321/2-A		70	86
510-73586-1 MS DL	TRC-4@16' MS DL	0D	0D
510-73586-1 MSD DL	TRC-4@16' MSD DL	0D	0D

Surrogate	Acceptance Limits
DBC = Dibutylchloroendate	10-132
DCB = DCB Decachlorobiphenyl	14-147

Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Method Blank - Batch: 510-91321

Lab Sample ID: MB 510-91321/1-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 12/20/2011 1318
 Prep Date: 12/20/2011 0812
 Leach Date: N/A

Analysis Batch: 510-91345
 Prep Batch: 510-91321
 Leach Batch: N/A
 Units: mg/Kg

Method: 8082 Preparation: 3546

Instrument ID: SGCA
 Lab File ID: B6058.D
 Initial Weight/Volume: 15 g
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	<0.020		0.020
PCB-1221	<0.020		0.020
PCB-1232	<0.020		0.020
PCB-1242	<0.020		0.020
PCB-1248	<0.020		0.020
PCB-1254	<0.020		0.020
PCB-1260	<0.020		0.020

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	77	14 - 147
Dibutylchloroendate	59	10 - 132

Lab Control Sample - Batch: 510-91321

Lab Sample ID: LCS 510-91321/2-A
 Client Matrix: Solid
 Dilution: 1.0
 Analysis Date: 12/20/2011 1333
 Prep Date: 12/20/2011 0812
 Leach Date: N/A

Analysis Batch: 510-91345
 Prep Batch: 510-91321
 Leach Batch: N/A
 Units: mg/Kg

Method: 8082 Preparation: 3546

Instrument ID: SGCA
 Lab File ID: B6059.D
 Initial Weight/Volume: 15 g
 Final Weight/Volume: 5 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	0.334	0.296	89	71 - 118	
PCB-1260	0.334	0.303	91	72 - 125	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	86	14 - 147
Dibutylchloroendate	70	10 - 132

Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-91321**

**Method: 8082
Preparation: 3546**

MS Lab Sample ID: 510-73586-1DL
Client Matrix: Solid
Dilution: 10
Analysis Date: 12/20/2011 1505
Prep Date: 12/20/2011 0812
Leach Date: N/A

Analysis Batch: 510-91345
Prep Batch: 510-91321
Leach Batch: N/A
Run Type: DL

Instrument ID: SGCA
Lab File ID: B6065.D
Initial Weight/Volume: 15.36 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 510-73586-1DL
Client Matrix: Solid
Dilution: 10
Analysis Date: 12/20/2011 1520
Prep Date: 12/20/2011 0812
Leach Date: N/A

Analysis Batch: 510-91345
Prep Batch: 510-91321
Leach Batch: N/A
Run Type: DL

Instrument ID: SGCA
Lab File ID: B6066.D
Initial Weight/Volume: 15.62 g
Final Weight/Volume: 5 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	80	88	71 - 118	7	30		
PCB-1260	81	87	72 - 125	6	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	0	D	0	D	14 - 147		
Dibutylchloroendate	0	D	0	D	10 - 132		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-91321**

**Method: 8082
Preparation: 3546**

MS Lab Sample ID: 510-73586-1DL
Client Matrix: Solid
Dilution: 10
Analysis Date: 12/20/2011 1505
Prep Date: 12/20/2011 0812
Leach Date: N/A
Run Type: DL

Units: mg/Kg

MSD Lab Sample ID: 510-73586-1DL
Client Matrix: Solid
Dilution: 10
Analysis Date: 12/20/2011 1520
Prep Date: 12/20/2011 0812
Leach Date: N/A
Run Type: DL

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	<0.21	0.345	0.340	0.278	0.299
PCB-1260	<0.21	0.345	0.340	0.279	0.295

Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Method Blank - Batch: 510-91311

Method: Moisture Preparation: N/A

Lab Sample ID:	MB 510-91311/1	Analysis Batch:	510-91311	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/19/2011 1722	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Percent Moisture	100		0.10
Percent Solids	0.025		0.10

Duplicate - Batch: 510-91311

Method: Moisture Preparation: N/A

Lab Sample ID:	510-73586-1	Analysis Batch:	510-91311	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	12/19/2011 1722	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	5.7	5.8	3	20	
Percent Solids	94	94	0.2	20	

DATA REPORTING QUALIFIERS

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Lab Section	Qualifier	Description
GC Semi VOA	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 510-91321					
LCS 510-91321/2-A	Lab Control Sample	T	Solid	3546	
MB 510-91321/1-A	Method Blank	T	Solid	3546	
510-73586-1DL	TRC-4@16'	T	Solid	3546	
510-73586-1MSDL	Matrix Spike	T	Solid	3546	
510-73586-1MSDDL	Matrix Spike Duplicate	T	Solid	3546	
510-73586-2DL	TRAB-11@22'	T	Solid	3546	
510-73586-3DL	TRC-SW-4b	T	Solid	3546	
510-73586-4DL	TRC-SW-2b	T	Solid	3546	
510-73586-5DL	Field Duplicate	T	Solid	3546	
Analysis Batch:510-91345					
LCS 510-91321/2-A	Lab Control Sample	T	Solid	8082	510-91321
MB 510-91321/1-A	Method Blank	T	Solid	8082	510-91321
510-73586-1DL	TRC-4@16'	T	Solid	8082	510-91321
510-73586-1MSDL	Matrix Spike	T	Solid	8082	510-91321
510-73586-1MSDDL	Matrix Spike Duplicate	T	Solid	8082	510-91321
510-73586-2DL	TRAB-11@22'	T	Solid	8082	510-91321
510-73586-3DL	TRC-SW-4b	T	Solid	8082	510-91321
510-73586-4DL	TRC-SW-2b	T	Solid	8082	510-91321
510-73586-5DL	Field Duplicate	T	Solid	8082	510-91321

Report Basis

T = Total

General Chemistry

Analysis Batch:510-91311					
MB 510-91311/1	Method Blank	T	Solid	Moisture	
510-73586-1	TRC-4@16'	T	Solid	Moisture	
510-73586-1DU	Duplicate	T	Solid	Moisture	
510-73586-2	TRAB-11@22'	T	Solid	Moisture	
510-73586-3	TRC-SW-4b	T	Solid	Moisture	
510-73586-4	TRC-SW-2b	T	Solid	Moisture	
510-73586-5	Field Duplicate	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Laboratory Chronicle

Lab ID: 510-73586-1

Client ID: TRC-4@16'

Sample Date/Time: 12/19/2011 12:00 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	510-73586-A-1-A	DL	510-91345	510-91321	12/20/2011 08:12	10	TAL VAL	SNP
A:8082	510-73586-A-1-A	DL	510-91345	510-91321	12/20/2011 14:49	10	TAL VAL	CLI
A:Moisture	510-73586-A-1		510-91311		12/19/2011 17:22	1	TAL VAL	TLA

Lab ID: 510-73586-1 MS

Client ID: TRC-4@16'

Sample Date/Time: 12/19/2011 12:00 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	510-73586-A-1-B MS	DL	510-91345	510-91321	12/20/2011 08:12	10	TAL VAL	SNP
A:8082	510-73586-A-1-B MS	DL	510-91345	510-91321	12/20/2011 15:05	10	TAL VAL	CLI

Lab ID: 510-73586-1 MSD

Client ID: TRC-4@16'

Sample Date/Time: 12/19/2011 12:00 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	510-73586-A-1-C MSD	DL	510-91345	510-91321	12/20/2011 08:12	10	TAL VAL	SNP
A:8082	510-73586-A-1-C MSD	DL	510-91345	510-91321	12/20/2011 15:20	10	TAL VAL	CLI

Lab ID: 510-73586-1 DU

Client ID: TRC-4@16'

Sample Date/Time: 12/19/2011 12:00 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	510-73586-A-1 DU		510-91311		12/19/2011 17:22	1	TAL VAL	TLA

Lab ID: 510-73586-2

Client ID: TRAB-11@22'

Sample Date/Time: 12/19/2011 10:00 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	510-73586-A-2-A	DL	510-91345	510-91321	12/20/2011 08:12	10	TAL VAL	SNP
A:8082	510-73586-A-2-A	DL	510-91345	510-91321	12/20/2011 15:35	10	TAL VAL	CLI
A:Moisture	510-73586-A-2		510-91311		12/19/2011 17:22	1	TAL VAL	TLA

Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Laboratory Chronicle

Lab ID: 510-73586-3

Client ID: TRC-SW-4b

Sample Date/Time: 12/19/2011 11:00 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3546	510-73586-A-3-A	DL	510-91345	510-91321	12/20/2011	08:12	10	TAL VAL	SNP
A:8082	510-73586-A-3-A	DL	510-91345	510-91321	12/20/2011	15:50	10	TAL VAL	CLI
A:Moisture	510-73586-A-3		510-91311		12/19/2011	17:22	1	TAL VAL	TLA

Lab ID: 510-73586-4

Client ID: TRC-SW-2b

Sample Date/Time: 12/19/2011 10:30 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3546	510-73586-A-4-A	DL	510-91345	510-91321	12/20/2011	08:12	10	TAL VAL	SNP
A:8082	510-73586-A-4-A	DL	510-91345	510-91321	12/20/2011	16:06	10	TAL VAL	CLI
A:Moisture	510-73586-A-4		510-91311		12/19/2011	17:22	1	TAL VAL	TLA

Lab ID: 510-73586-5

Client ID: Field Duplicate

Sample Date/Time: 12/19/2011 11:15 Received Date/Time: 12/19/2011 15:00

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3546	510-73586-A-5-A	DL	510-91345	510-91321	12/20/2011	08:12	10	TAL VAL	SNP
A:8082	510-73586-A-5-A	DL	510-91345	510-91321	12/20/2011	16:21	10	TAL VAL	CLI
A:Moisture	510-73586-A-5		510-91311		12/19/2011	17:22	1	TAL VAL	TLA

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3546	MB 510-91321/1-A		510-91345	510-91321	12/20/2011	08:12	1	TAL VAL	SNP
A:8082	MB 510-91321/1-A		510-91345	510-91321	12/20/2011	13:18	1	TAL VAL	CLI
A:Moisture	MB 510-91311/1		510-91311		12/19/2011	17:22	1	TAL VAL	TLA

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3546	LCS 510-91321/2-A		510-91345	510-91321	12/20/2011	08:12	1	TAL VAL	SNP
A:8082	LCS 510-91321/2-A		510-91345	510-91321	12/20/2011	13:33	1	TAL VAL	CLI

Lab References:

TAL VAL = TestAmerica Valparaiso

Method 8082

Polychlorinated Biphenyls (PCBs) by
Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): 8082/608 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBC1 #	DCB1 #
TRC-4@16' DL	510-73586-1 DL	0 D	0 D
TRAB-11@22' DL	510-73586-2 DL	0 D	0 D
TRC-SW-4b DL	510-73586-3 DL	0 D	0 D
TRC-SW-2b DL	510-73586-4 DL	0 D	0 D
Field Duplicate DL	510-73586-5 DL	0 D	0 D
	MB 510-91321/1-A	59	77
	LCS 510-91321/2-A	70	86
TRC-4@16' MS DL	510-73586-1 MS DL	0 D	0 D
TRC-4@16' MSD DL	510-73586-1 MSD DL	0 D	0 D

DBC = Dibutylchloroendate
DCB = DCB Decachlorobiphenyl

QC LIMITS
10-132
14-147

Column to be used to flag recovery values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: B6059.D

Lab ID: LCS 510-91321/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	0.334	0.296	89	71-118	
PCB-1260	0.334	0.303	91	72-125	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: B6065.D
 Lab ID: 510-73586-1 MS DL Client ID: TRC-4@16' MS DL

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	0.345	<0.21	0.278	80	71-118	
PCB-1260	0.345	<0.21	0.279	81	72-125	

Column to be used to flag recovery and RPD values
 FORM III 8082

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: B6066.D

Lab ID: 510-73586-1 MSD DL Client ID: TRC-4@16' MSD DL

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	0.340	0.299	88	7	30	71-118	
PCB-1260	0.340	0.295	87	6	30	72-125	

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: MB 510-91321/1-A
 Matrix: Solid Date Extracted: 12/20/2011 08:12
 Lab File ID: (1) B6058.D Lab File ID: (2) _____
 Date Analyzed: (1) 12/20/2011 13:18 Date Analyzed: (2) _____
 Instrument ID: (1) SGCA Instrument ID: (2) _____
 GC Column: (1) 8082/608 ID: 0.53 (mm) GC Column: (2) _____ ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 510-91321/2-A	12/20/2011 13:33	
TRC-4@16' DL	510-73586-1 DL	12/20/2011 14:49	
TRC-4@16' MS DL	510-73586-1 MS DL	12/20/2011 15:05	
TRC-4@16' MSD DL	510-73586-1 MSD DL	12/20/2011 15:20	
TRAB-11@22' DL	510-73586-2 DL	12/20/2011 15:35	
TRC-SW-4b DL	510-73586-3 DL	12/20/2011 15:50	
TRC-SW-2b DL	510-73586-4 DL	12/20/2011 16:06	
Field Duplicate DL	510-73586-5 DL	12/20/2011 16:21	

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRC-4@16' MS DL Lab Sample ID: 510-73586-1 MS DL
 Instrument ID (1): SGCA Instrument ID (2): _____
 Date Analyzed (1): 12/20/2011 15:05 Date Analyzed (2): _____
 GC Column (1): 8082/608 ID: 0.53(mm) GC Column (2): _____ ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.15	3.05	3.25	0.256	0.278	
		2	3.58	3.48	3.68	0.274		
		3	4.37	4.26	4.46	0.285		
		4	4.94	4.83	5.03	0.289		
		5	5.49	5.39	5.59	0.284		
PCB-1260	1	1	6.77	6.67	6.87	0.282	0.279	
		2	7.26	7.16	7.36	0.287		
		3	7.50	7.40	7.60	0.291		
		4	7.81	7.70	7.90	0.295		
		5	8.57	8.46	8.66	0.240		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRC-4@16' MSD DL Lab Sample ID: 510-73586-1 MSD DL
 Instrument ID (1): SGCA Instrument ID (2): _____
 Date Analyzed (1): 12/20/2011 15:20 Date Analyzed (2): _____
 GC Column (1): 8082/608 ID: 0.53(mm) GC Column (2): _____ ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.15	3.05	3.25	0.292	0.299	
		2	3.58	3.48	3.68	0.293		
		3	4.36	4.26	4.46	0.304		
		4	4.93	4.83	5.03	0.303		
		5	5.49	5.39	5.59	0.301		
PCB-1260	1	1	6.77	6.67	6.87	0.300	0.295	
		2	7.26	7.16	7.36	0.308		
		3	7.49	7.40	7.60	0.306		
		4	7.81	7.70	7.90	0.316		
		5	8.56	8.46	8.66	0.244		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 510-91321/2-A
 Instrument ID (1): SGCA Instrument ID (2): _____
 Date Analyzed (1): 12/20/2011 13:33 Date Analyzed (2): _____
 GC Column (1): 8082/608 ID: 0.53(mm) GC Column (2): _____ ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.15	3.05	3.25	0.275	0.296	
		2	3.58	3.48	3.68	0.295		
		3	4.36	4.26	4.46	0.309		
		4	4.93	4.83	5.03	0.303		
		5	5.49	5.39	5.59	0.299		
PCB-1260	1	1	6.77	6.67	6.87	0.299	0.303	
		2	7.26	7.16	7.36	0.310		
		3	7.50	7.40	7.60	0.311		
		4	7.81	7.70	7.90	0.326		
		5	8.56	8.46	8.66	0.270		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRC-4@16' DL Lab Sample ID: 510-73586-1 DL
 Matrix: Solid Lab File ID: B6064.D
 Analysis Method: 8082 Date Collected: 12/19/2011 12:00
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15.02(g) Date Analyzed: 12/20/2011 14:49
 Con. Extract Vol.: 5(mL) Dilution Factor: 10
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: 5.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	<0.21		0.21	0.024
11104-28-2	PCB-1221	<0.21		0.21	0.070
11141-16-5	PCB-1232	<0.21		0.21	0.015
53469-21-9	PCB-1242	<0.21		0.21	0.040
12672-29-6	PCB-1248	<0.21		0.21	0.037
11097-69-1	PCB-1254	<0.21		0.21	0.034
11096-82-5	PCB-1260	<0.21		0.21	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D	14-147
1770-80-5	Dibutylchloredate	0	D	10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6064.D
 Lims ID: 510-73586-A-1-A Client ID: TRC-4@16'
 Inject. Date: 20-Dec-2011 14:49:51 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 510-73586-a-1-a
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 91345 Lims Sample ID: 11
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 13:29:28 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:43:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	-----------------	-------------	-------	-------

5 PCB-1221

1	1	2.239
1	2	2.936
1	3	3.103
1	4	3.151
1	5	4.362
2	6	2.496
2	7	2.922
2	8	3.418
2	9	3.611
2	10	3.695

7 PCB-1232

1	1	2.936
1	2	3.152
1	3	3.579
1	4	4.364
1	5	4.449
2	6	2.496
2	7	3.695
2	8	4.269
2	9	5.154
2	10	5.879

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6064.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
10 PCB-1242									
1	1		3.152						
1	2		3.578						
1	3		4.448						
1	4		5.113						
1	5		5.590						
2	6		3.693						
2	7		4.267						
2	8		5.153						
2	9		6.549						
2	10		6.936						
4 PCB-1016									
1	1		3.152						
1	2		3.578						
1	3		4.363						
1	4		4.934						
1	5		5.487						
2	6		3.695						
2	7		4.268						
2	8		5.154						
2	9		5.586						
2	10		5.878						
6 PCB-1248									
1	1		3.576						
1	2		4.184						
1	3		5.055						
1	4		5.589						
1	5		6.476						
2	6		4.267						
2	7		5.149						
2	8		5.877						
2	9		6.548						
2	10		6.936						
9 PCB-1254									
1	1		5.553						
1	2		6.293						
1	3		6.479						
1	4		6.930						
1	5		7.809						
2	6		6.547						
2	7		6.863						
2	8		7.765						
2	9		8.286						
2	10		9.229						

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6064.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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11 PCB-1260

1	1		6.768						
1	2		7.257						
1	3		7.495						
1	4		7.804						
1	5		8.564						
2	6		7.841						
2	7		8.209						
2	8		8.638						
2	9		9.359						
2	10		9.748						

\$ 3 Dibutylchloroendate

1	1		9.571						
2	2		10.262						

\$ 2 DCB Decachlorobiphenyl

1	1		10.773						
2	2		11.583						

Report Date: 20-Dec-2011 16:43:26

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6064.D

Injection Date: 20-Dec-2011 14:49:51

Limit Group: SGC - 1 - 8082 CAL

Client ID: TRC-4@16'

Instrument ID: SGCA

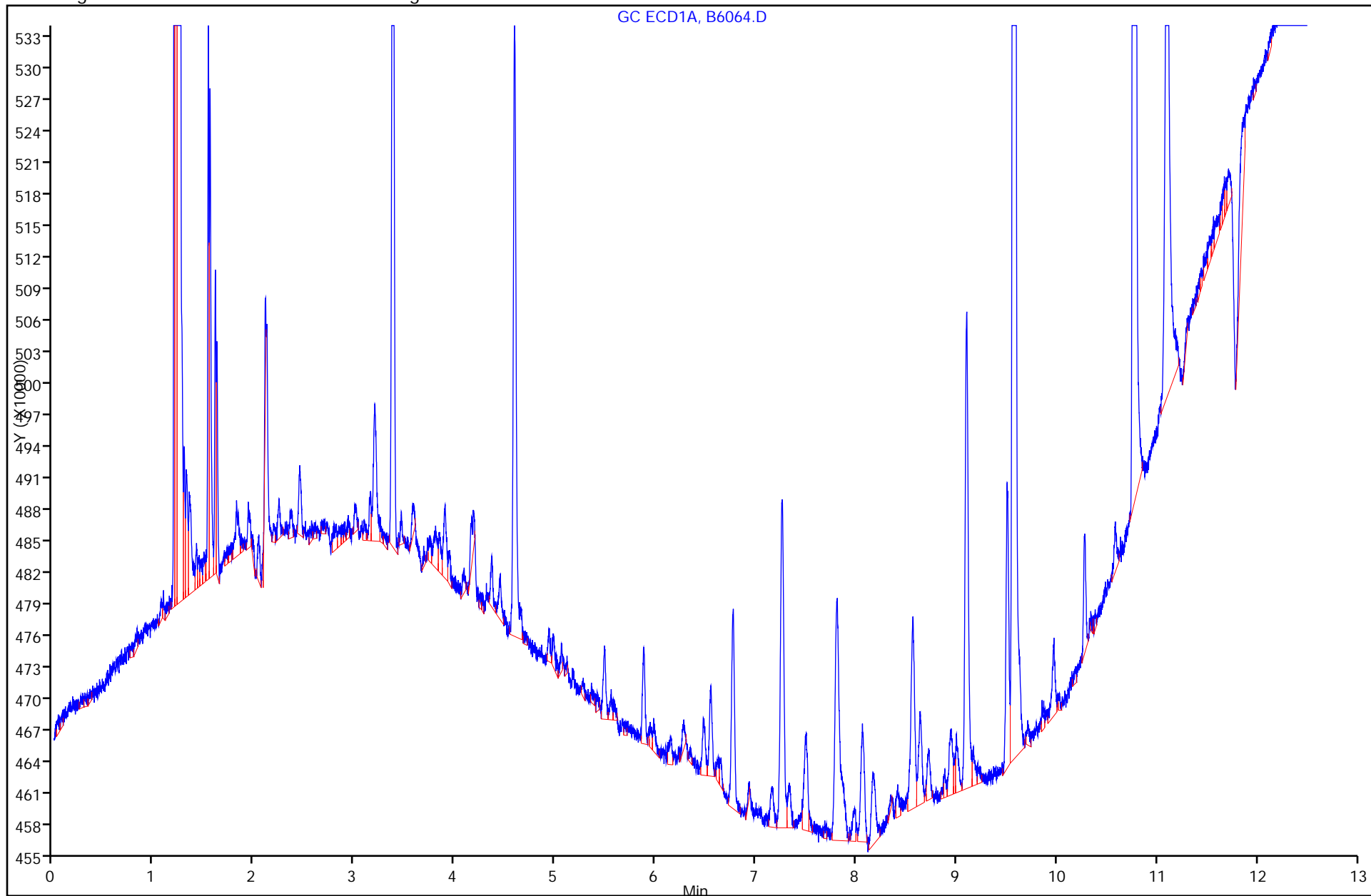
Lims Batch ID: 91345

Lims Sample ID: 11

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRAB-11@22' DL Lab Sample ID: 510-73586-2 DL
 Matrix: Solid Lab File ID: B6067.D
 Analysis Method: 8082 Date Collected: 12/19/2011 10:00
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15.30(g) Date Analyzed: 12/20/2011 15:35
 Con. Extract Vol.: 5(mL) Dilution Factor: 10
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: 17.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	<0.24		0.24	0.027
11104-28-2	PCB-1221	<0.24		0.24	0.079
11141-16-5	PCB-1232	<0.24		0.24	0.016
53469-21-9	PCB-1242	<0.24		0.24	0.045
12672-29-6	PCB-1248	<0.24		0.24	0.041
11097-69-1	PCB-1254	<0.24		0.24	0.038
11096-82-5	PCB-1260	1.5		0.24	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D	14-147
1770-80-5	Dibutylchloredate	0	D	10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6067.D
 Lims ID: 510-73586-A-2-A Client ID: TRAB-11@22'
 Inject. Date: 20-Dec-2011 15:35:48 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 510-73586-a-2-a
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 91345 Lims Sample ID: 14
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 16:45:50 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:45:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	-----------------	-------------	-------	-------

5 PCB-1221

1	1	2.239
1	2	2.936
1	3	3.103
1	4	3.151
1	5	4.362
2	6	2.496
2	7	2.922
2	8	3.418
2	9	3.611
2	10	3.695

7 PCB-1232

1	1	2.936
1	2	3.152
1	3	3.579
1	4	4.364
1	5	4.449
2	6	2.496
2	7	3.695
2	8	4.269
2	9	5.154
2	10	5.879

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6067.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
10 PCB-1242									
1	1		3.152						
1	2		3.578						
1	3		4.448						
1	4		5.113						
1	5		5.590						
2	6		3.693						
2	7		4.267						
2	8		5.153						
2	9		6.549						
2	10		6.936						
4 PCB-1016									
1	1		3.152						
1	2		3.578						
1	3		4.363						
1	4		4.934						
1	5		5.487						
2	6		3.695						
2	7		4.268						
2	8		5.154						
2	9		5.586						
2	10		5.878						
6 PCB-1248									
1	1		3.576						
1	2		4.184						
1	3		5.055						
1	4		5.589						
1	5		6.476						
2	6		4.267						
2	7		5.149						
2	8		5.877						
2	9		6.548						
2	10		6.936						
9 PCB-1254									
1	1		5.553						
1	2		6.293						
1	3		6.479						
1	4		6.930						
1	5		7.809						
2	6		6.547						
2	7		6.863						
2	8		7.765						
2	9		8.286						
2	10		9.229						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags	
11 PCB-1260										
1	1	6.770	6.768	0.002	44344419	409.1		100.0		
1	2	7.258	7.257	0.001	66894571	416.9	119.7- 179.7	150.9		
1	3	7.497	7.495	0.002	24499423	391.3	29.5- 89.5	55.2		
1	4	7.807	7.804	0.003	69814285	421.1	125.1- 185.1	157.4		
1	5	8.563	8.564	-0.001	31990128	317.1	63.3- 123.3	72.1		
		Average of Peak Amounts =				391.1				
2	6	7.840	7.841	-0.001	12644148	392.2		100.0		
2	7	8.209	8.209	0.000	26418948	409.2	169.1- 229.1	208.9		
2	8	8.638	8.638	0.000	31799343	398.4	216.2- 276.2	251.5		
2	9	9.358	9.359	-0.001	18156423	312.9	152.9- 212.9	143.6		
2	10	9.748	9.748	0.000	21038779	333.1	164.1- 224.1	166.4		
		Average of Peak Amounts =				369.2				
						RPD = 5.76				

\$ 3 Dibutylchloroendate

1	1	9.571
2	2	10.262

\$ 2 DCB Decachlorobiphenyl

1	1	10.773
2	2	11.583

Report Date: 20-Dec-2011 16:45:50

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6067.D

Injection Date: 20-Dec-2011 15:35:48

Limit Group: SGC - 1 - 8082 CAL

Client ID: TRAB-11@22'

Instrument ID: SGCA

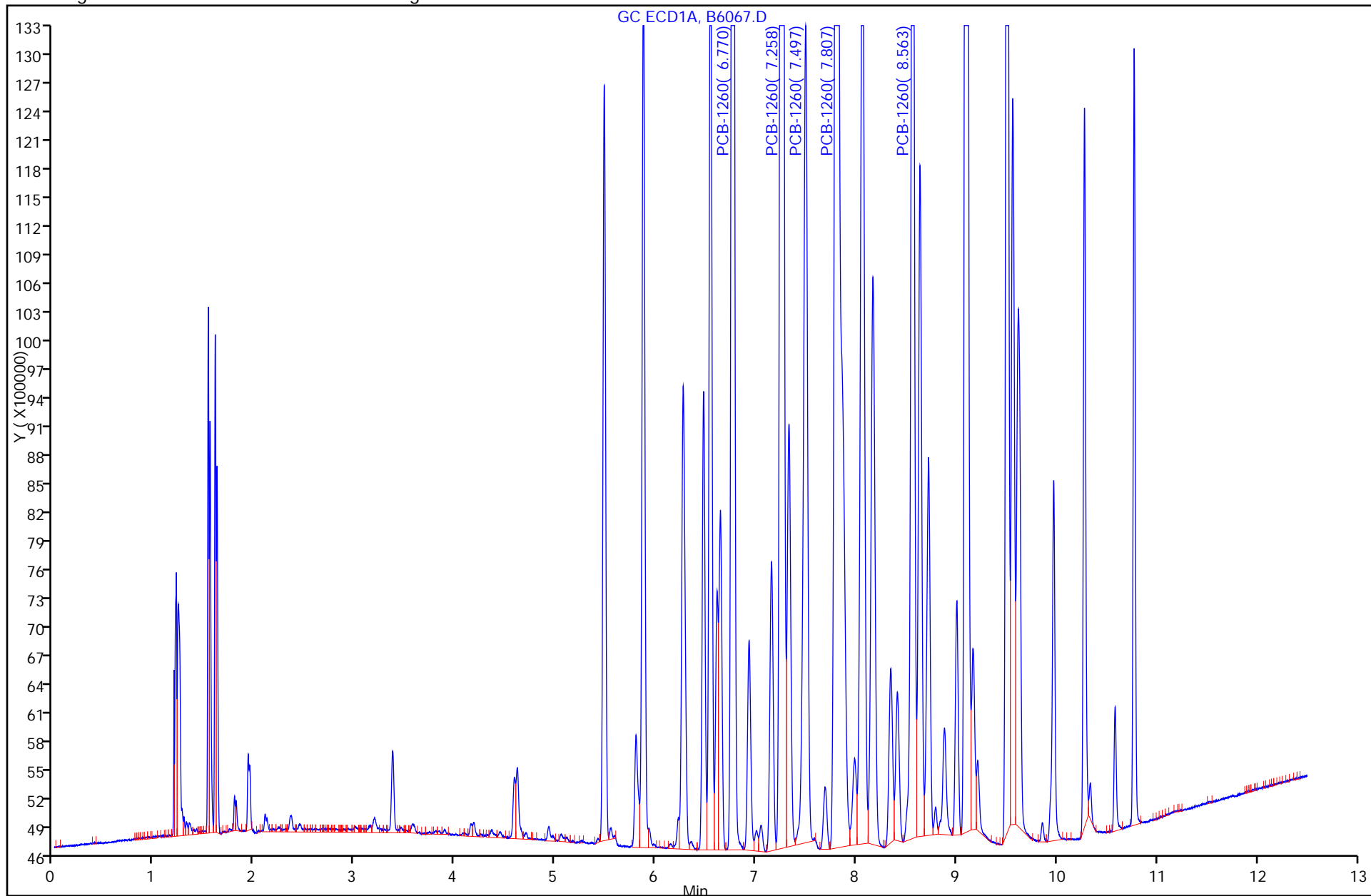
Lims Batch ID: 91345

Lims Sample ID: 14

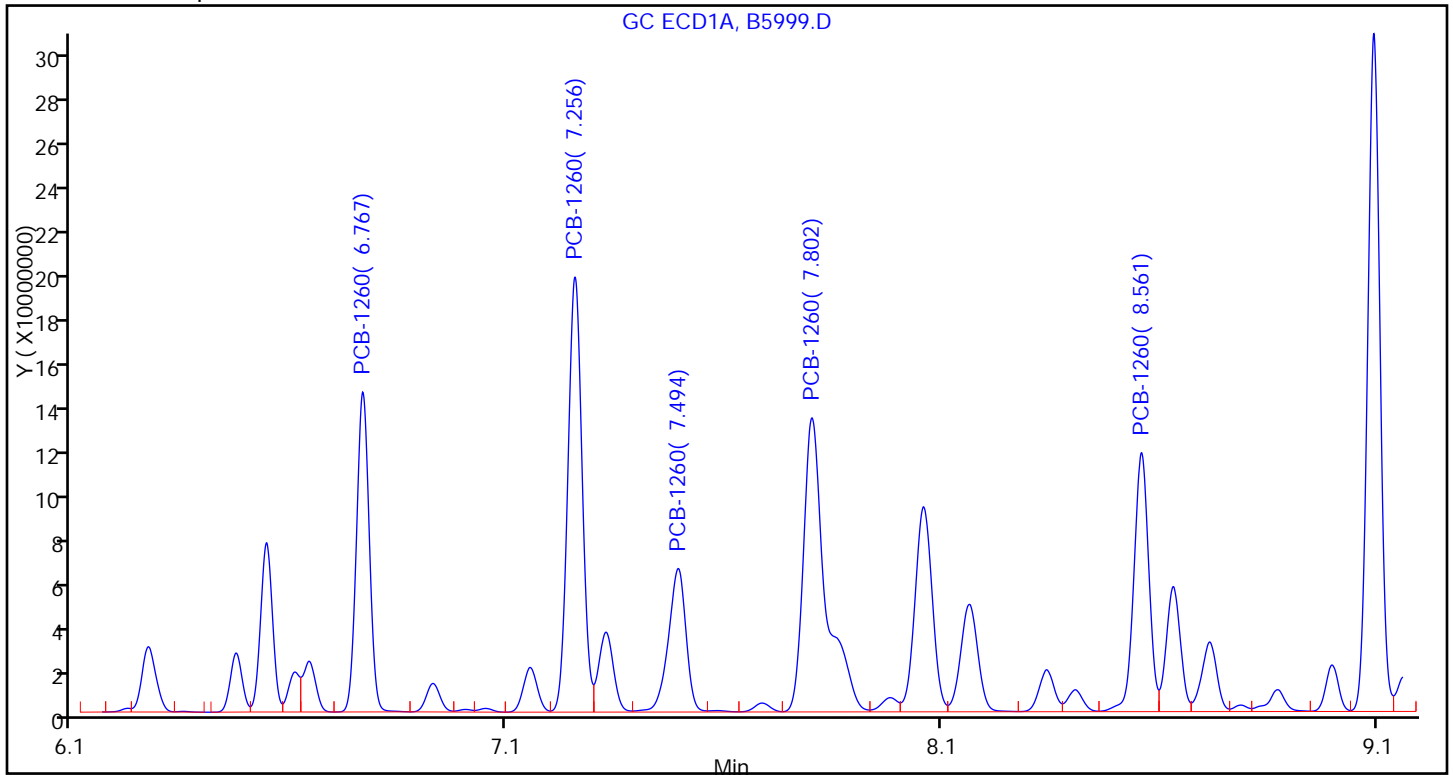
Operator ID:

Injection Vol: 1.00 ul

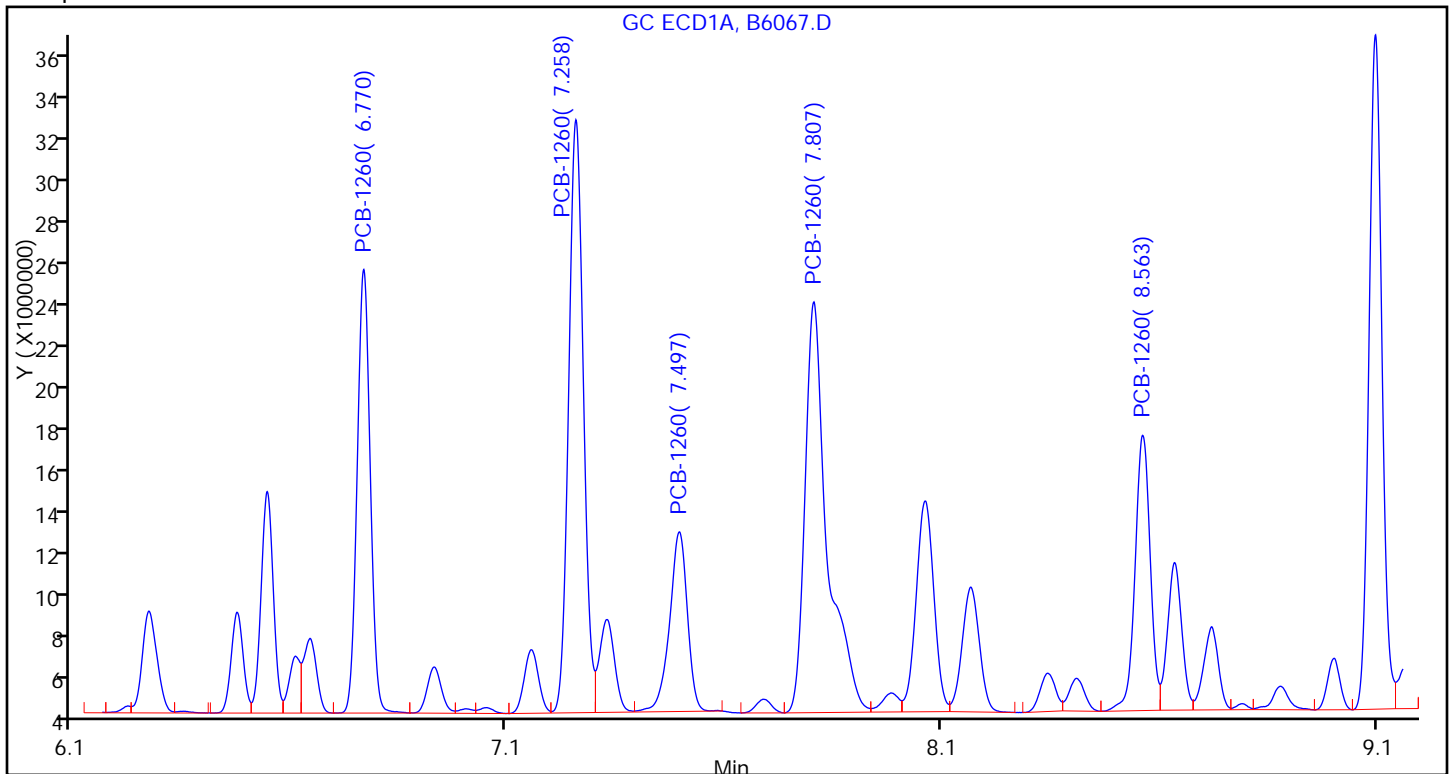
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



Calibration Sample, Level: 9



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRC-SW-4b DL Lab Sample ID: 510-73586-3 DL
 Matrix: Solid Lab File ID: B6068.D
 Analysis Method: 8082 Date Collected: 12/19/2011 11:00
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15.30(g) Date Analyzed: 12/20/2011 15:50
 Con. Extract Vol.: 5(mL) Dilution Factor: 10
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: 8.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	<0.21		0.21	0.024
11104-28-2	PCB-1221	<0.21		0.21	0.071
11141-16-5	PCB-1232	<0.21		0.21	0.015
53469-21-9	PCB-1242	<0.21		0.21	0.041
12672-29-6	PCB-1248	<0.21		0.21	0.037
11097-69-1	PCB-1254	<0.21		0.21	0.034
11096-82-5	PCB-1260	<0.21		0.21	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D	14-147
1770-80-5	Dibutylchloredate	0	D	10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6068.D
 Lims ID: 510-73586-A-3-A Client ID: TRC-SW-4b
 Inject. Date: 20-Dec-2011 15:50:55 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 510-73586-a-3-a
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 91345 Lims Sample ID: 15
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 16:45:50 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:46:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	-----------------	-------------	-------	-------

5 PCB-1221

1	1	2.239
1	2	2.936
1	3	3.103
1	4	3.151
1	5	4.362
2	6	2.496
2	7	2.922
2	8	3.418
2	9	3.611
2	10	3.695

7 PCB-1232

1	1	2.936
1	2	3.152
1	3	3.579
1	4	4.364
1	5	4.449
2	6	2.496
2	7	3.695
2	8	4.269
2	9	5.154
2	10	5.879

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6068.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
10 PCB-1242									
1	1		3.152						
1	2		3.578						
1	3		4.448						
1	4		5.113						
1	5		5.590						
2	6		3.693						
2	7		4.267						
2	8		5.153						
2	9		6.549						
2	10		6.936						
4 PCB-1016									
1	1		3.152						
1	2		3.578						
1	3		4.363						
1	4		4.934						
1	5		5.487						
2	6		3.695						
2	7		4.268						
2	8		5.154						
2	9		5.586						
2	10		5.878						
6 PCB-1248									
1	1		3.576						
1	2		4.184						
1	3		5.055						
1	4		5.589						
1	5		6.476						
2	6		4.267						
2	7		5.149						
2	8		5.877						
2	9		6.548						
2	10		6.936						
9 PCB-1254									
1	1		5.553						
1	2		6.293						
1	3		6.479						
1	4		6.930						
1	5		7.809						
2	6		6.547						
2	7		6.863						
2	8		7.765						
2	9		8.286						
2	10		9.229						

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6068.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	--------------------	-------------	-------	-------

11 PCB-1260

1	1		6.768						
1	2		7.257						
1	3		7.495						
1	4		7.804						
1	5		8.564						
2	6		7.841						
2	7		8.209						
2	8		8.638						
2	9		9.359						
2	10		9.748						

\$ 3 Dibutylchloroendate

1	1		9.571						
2	2		10.262						

\$ 2 DCB Decachlorobiphenyl

1	1		10.773						
2	2		11.583						

Report Date: 20-Dec-2011 16:46:32

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6068.D

Injection Date: 20-Dec-2011 15:50:55

Limit Group: SGC - 1 - 8082 CAL

Client ID: TRC-SW-4b

Instrument ID: SGCA

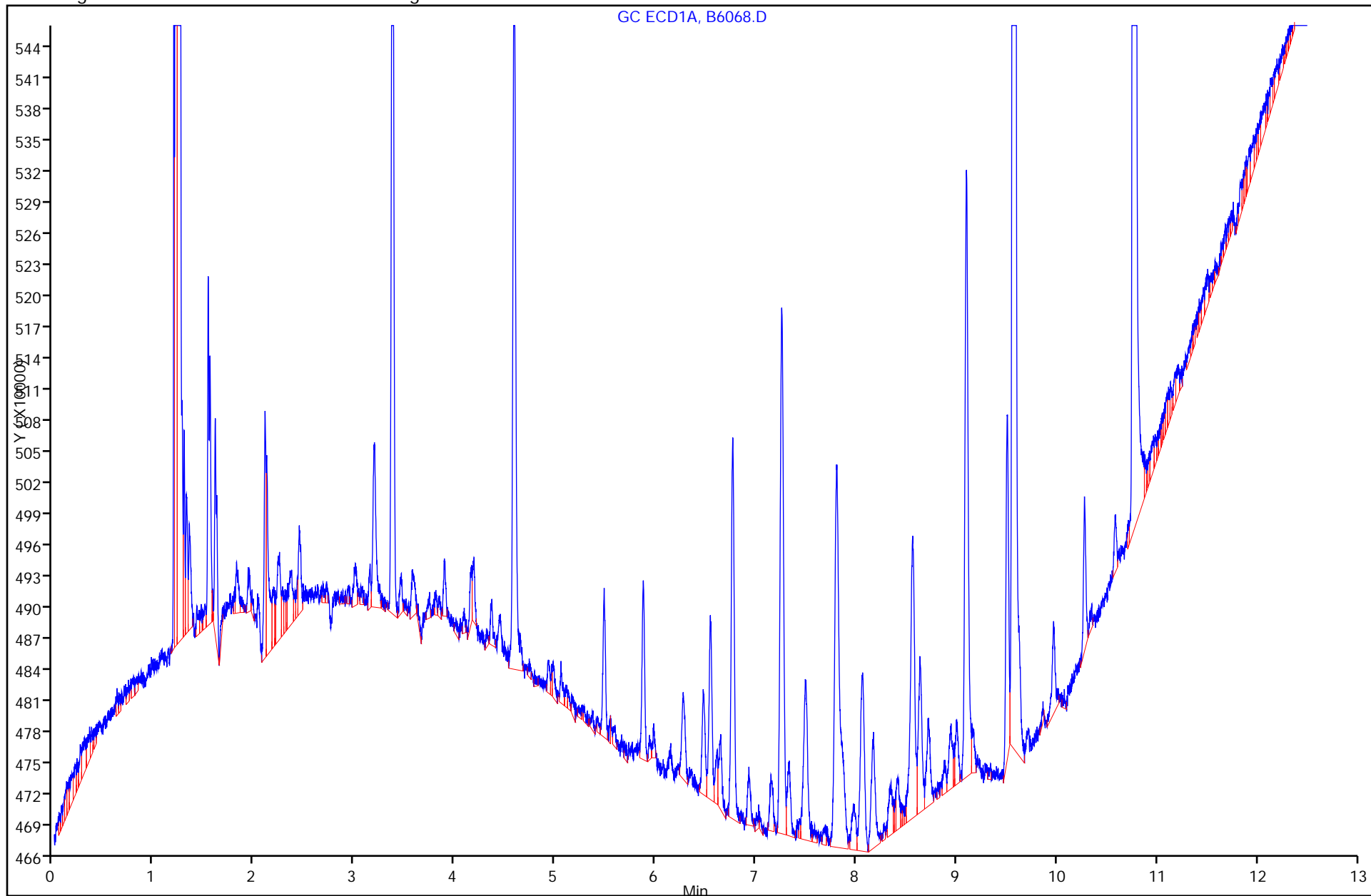
Lims Batch ID: 91345

Lims Sample ID: 15

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRC-SW-2b DL Lab Sample ID: 510-73586-4 DL
 Matrix: Solid Lab File ID: B6069.D
 Analysis Method: 8082 Date Collected: 12/19/2011 10:30
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15.50(g) Date Analyzed: 12/20/2011 16:06
 Con. Extract Vol.: 5(mL) Dilution Factor: 10
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: 9.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	<0.21		0.21	0.024
11104-28-2	PCB-1221	<0.21		0.21	0.071
11141-16-5	PCB-1232	<0.21		0.21	0.015
53469-21-9	PCB-1242	<0.21		0.21	0.041
12672-29-6	PCB-1248	<0.21		0.21	0.037
11097-69-1	PCB-1254	<0.21		0.21	0.034
11096-82-5	PCB-1260	<0.21		0.21	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D	14-147
1770-80-5	Dibutylchloredate	0	D	10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6069.D
 Lims ID: 510-73586-A-4-A Client ID: TRC-SW-2b
 Inject. Date: 20-Dec-2011 16:06:18 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 510-73586-a-4-a
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 91345 Lims Sample ID: 16
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 16:45:50 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:46:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	-----------------	-------------	-------	-------

5 PCB-1221

1	1	2.239
1	2	2.936
1	3	3.103
1	4	3.151
1	5	4.362
2	6	2.496
2	7	2.922
2	8	3.418
2	9	3.611
2	10	3.695

7 PCB-1232

1	1	2.936
1	2	3.152
1	3	3.579
1	4	4.364
1	5	4.449
2	6	2.496
2	7	3.695
2	8	4.269
2	9	5.154
2	10	5.879

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6069.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
10 PCB-1242									
1	1		3.152						
1	2		3.578						
1	3		4.448						
1	4		5.113						
1	5		5.590						
2	6		3.693						
2	7		4.267						
2	8		5.153						
2	9		6.549						
2	10		6.936						
4 PCB-1016									
1	1		3.152						
1	2		3.578						
1	3		4.363						
1	4		4.934						
1	5		5.487						
2	6		3.695						
2	7		4.268						
2	8		5.154						
2	9		5.586						
2	10		5.878						
6 PCB-1248									
1	1		3.576						
1	2		4.184						
1	3		5.055						
1	4		5.589						
1	5		6.476						
2	6		4.267						
2	7		5.149						
2	8		5.877						
2	9		6.548						
2	10		6.936						
9 PCB-1254									
1	1		5.553						
1	2		6.293						
1	3		6.479						
1	4		6.930						
1	5		7.809						
2	6		6.547						
2	7		6.863						
2	8		7.765						
2	9		8.286						
2	10		9.229						

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6069.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	--------------------	-------------	-------	-------

11 PCB-1260

1	1		6.768						
1	2		7.257						
1	3		7.495						
1	4		7.804						
1	5		8.564						
2	6		7.841						
2	7		8.209						
2	8		8.638						
2	9		9.359						
2	10		9.748						

\$ 3 Dibutylchloroendate

1	1		9.571						
2	2		10.262						

\$ 2 DCB Decachlorobiphenyl

1	1		10.773						
2	2		11.583						

Report Date: 20-Dec-2011 16:46:37

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6069.D

Injection Date: 20-Dec-2011 16:06:18

Limit Group: SGC - 1 - 8082 CAL

Client ID: TRC-SW-2b

Instrument ID: SGCA

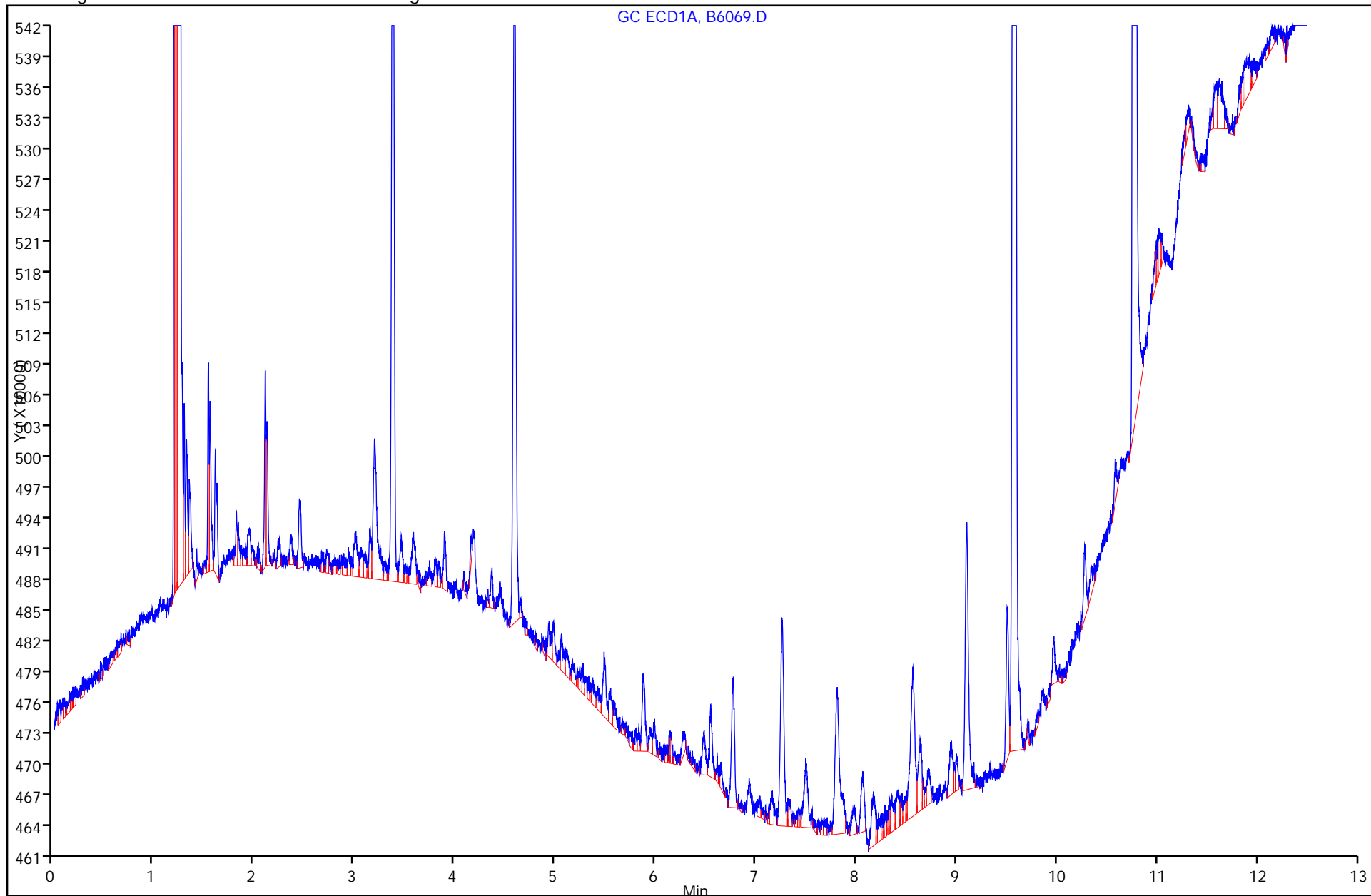
Lims Batch ID: 91345

Lims Sample ID: 16

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: Field Duplicate DL Lab Sample ID: 510-73586-5 DL
 Matrix: Solid Lab File ID: B6070.D
 Analysis Method: 8082 Date Collected: 12/19/2011 11:15
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15.37(g) Date Analyzed: 12/20/2011 16:21
 Con. Extract Vol.: 5(mL) Dilution Factor: 10
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: 13.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	<0.22		0.22	0.025
11104-28-2	PCB-1221	<0.22		0.22	0.074
11141-16-5	PCB-1232	<0.22		0.22	0.015
53469-21-9	PCB-1242	<0.22		0.22	0.043
12672-29-6	PCB-1248	<0.22		0.22	0.039
11097-69-1	PCB-1254	<0.22		0.22	0.036
11096-82-5	PCB-1260	<0.22		0.22	0.018

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D	14-147
1770-80-5	Dibutylchloredate	0	D	10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6070.D
 Lims ID: 510-73586-A-5-A Client ID: Field Duplicate
 Inject. Date: 20-Dec-2011 16:21:25 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 510-73586-a-5-a
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 91345 Lims Sample ID: 17
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 16:45:50 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:46:41

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	-----------------	-------------	-------	-------

5 PCB-1221

1	1	2.239
1	2	2.936
1	3	3.103
1	4	3.151
1	5	4.362
2	6	2.496
2	7	2.922
2	8	3.418
2	9	3.611
2	10	3.695

7 PCB-1232

1	1	2.936
1	2	3.152
1	3	3.579
1	4	4.364
1	5	4.449
2	6	2.496
2	7	3.695
2	8	4.269
2	9	5.154
2	10	5.879

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6070.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
10 PCB-1242									
1	1		3.152						
1	2		3.578						
1	3		4.448						
1	4		5.113						
1	5		5.590						
2	6		3.693						
2	7		4.267						
2	8		5.153						
2	9		6.549						
2	10		6.936						
4 PCB-1016									
1	1		3.152						
1	2		3.578						
1	3		4.363						
1	4		4.934						
1	5		5.487						
2	6		3.695						
2	7		4.268						
2	8		5.154						
2	9		5.586						
2	10		5.878						
6 PCB-1248									
1	1		3.576						
1	2		4.184						
1	3		5.055						
1	4		5.589						
1	5		6.476						
2	6		4.267						
2	7		5.149						
2	8		5.877						
2	9		6.548						
2	10		6.936						
9 PCB-1254									
1	1		5.553						
1	2		6.293						
1	3		6.479						
1	4		6.930						
1	5		7.809						
2	6		6.547						
2	7		6.863						
2	8		7.765						
2	9		8.286						
2	10		9.229						

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6070.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	--------------------	-------------	-------	-------

11 PCB-1260

1	1		6.768						
1	2		7.257						
1	3		7.495						
1	4		7.804						
1	5		8.564						
2	6		7.841						
2	7		8.209						
2	8		8.638						
2	9		9.359						
2	10		9.748						

\$ 3 Dibutylchloroendate

1	1		9.571						
2	2		10.262						

\$ 2 DCB Decachlorobiphenyl

1	1		10.773						
2	2		11.583						

Report Date: 20-Dec-2011 16:46:42

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6070.D

Injection Date: 20-Dec-2011 16:21:25

Limit Group: SGC - 1 - 8082 CAL

Client ID: Field Duplicate

Instrument ID: SGCA

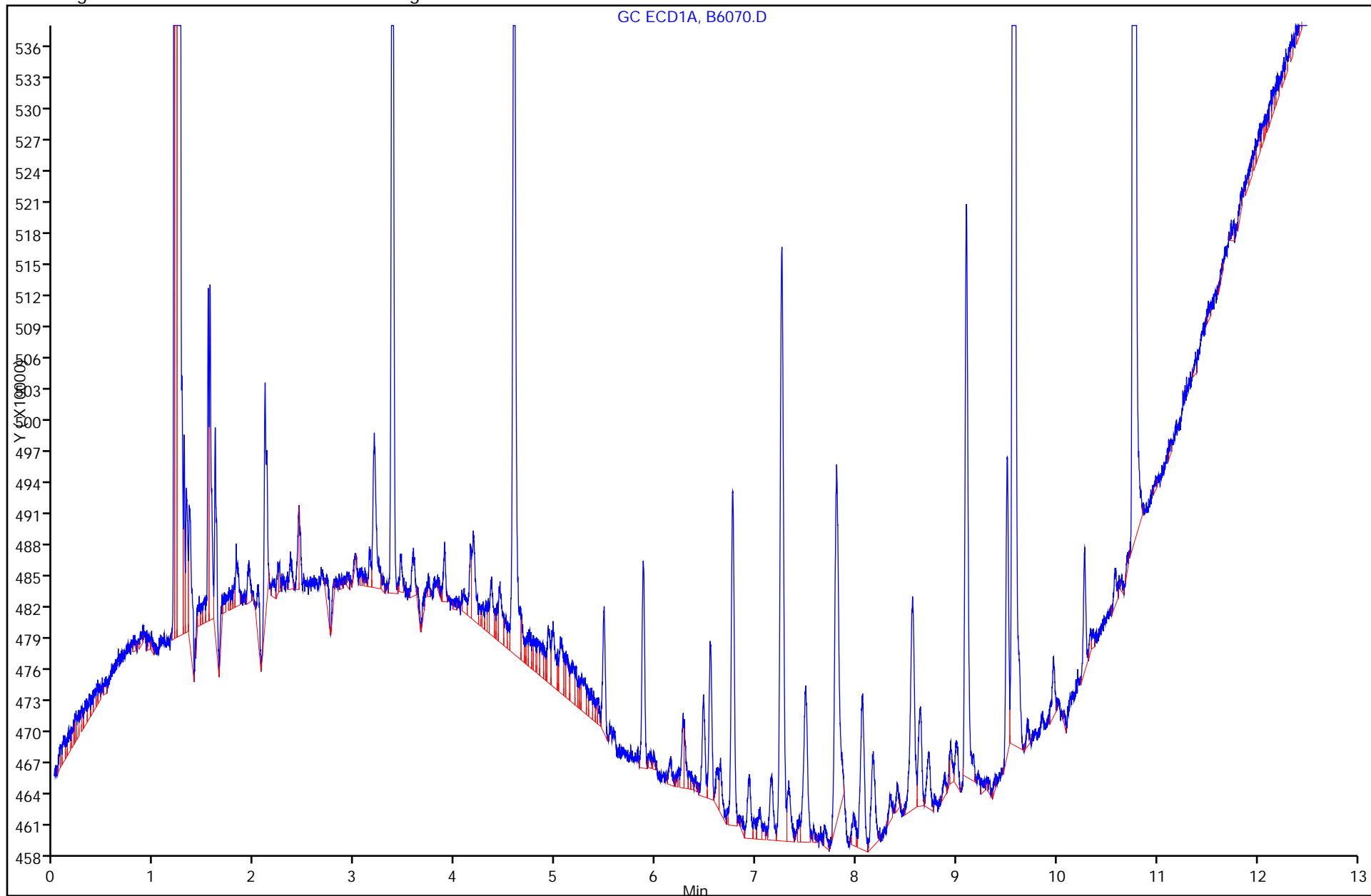
Lims Batch ID: 91345

Lims Sample ID: 17

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 10:18 Calibration End Date: 12/16/2011 12:21 Calibration ID: 4481

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD20 510-91178/1	B5991.D
Level 2	STD50 510-91178/2	B5992.D
Level 3	STD100 510-91178/3	B5993.D
Level 4	STD250 510-91178/4	B5994.D
Level 5	STD500 510-91178/5	B5995.D
Level 6	STD1000 510-91178/6	B5996.D
Level 7	STD1500 510-91178/7	B5997.D
Level 8	STD2000 510-91178/8	B5998.D
Level 9	STD3000 510-91178/9	B5999.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8	LVL 9		RT WINDOW	AVG RT
PCB-1016 Peak 1	3.153	3.153	3.154	3.154	3.151	3.154	3.154	3.154	3.152		3.054 - 3.254	3.153
PCB-1016 Peak 2	3.583	3.579	3.579	3.581	3.578	3.580	3.581	3.581	3.579		3.480 - 3.680	3.580
PCB-1016 Peak 3	4.366	4.364	4.364	4.364	4.362	4.364	4.364	4.364	4.363		4.264 - 4.464	4.364
PCB-1016 Peak 4	4.937	4.934	4.934	4.935	4.932	4.935	4.935	4.935	4.934		4.835 - 5.035	4.935
PCB-1016 Peak 5	5.489	5.488	5.487	5.488	5.486	5.488	5.486	5.487	5.486		5.388 - 5.588	5.487
PCB-1260 Peak 1	6.771	6.769	6.768	6.768	6.766	6.769	6.768	6.768	6.767		6.669 - 6.869	6.768
PCB-1260 Peak 2	7.259	7.258	7.256	7.256	7.254	7.256	7.256	7.257	7.256		7.156 - 7.356	7.256
PCB-1260 Peak 3	7.496	7.496	7.493	7.493	7.492	7.494	7.493	7.495	7.494		7.394 - 7.594	7.494
PCB-1260 Peak 4	7.807	7.805	7.803	7.803	7.801	7.803	7.801	7.803	7.802		7.703 - 7.903	7.803
PCB-1260 Peak 5	8.564	8.562	8.561	8.560	8.560	8.561	8.560	8.561	8.561		8.461 - 8.661	8.561
Dibutylchloroendate			9.569	9.570	9.570	9.569	9.568				9.469 - 9.669	9.569
DCB Decachlorobiphenyl			10.770	10.770	10.771	10.770	10.771				10.670 - 10.870	10.770

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 10:18 Calibration End Date: 12/16/2011 12:21 Calibration ID: 4481

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD20 510-91178/1	B5991.D
Level 2	STD50 510-91178/2	B5992.D
Level 3	STD100 510-91178/3	B5993.D
Level 4	STD250 510-91178/4	B5994.D
Level 5	STD500 510-91178/5	B5995.D
Level 6	STD1000 510-91178/6	B5996.D
Level 7	STD1500 510-91178/7	B5997.D
Level 8	STD2000 510-91178/8	B5998.D
Level 9	STD3000 510-91178/9	B5999.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
PCB-1016 Peak 1	75725 46871 39986	51969 46995	49648 44942	48485 41618	Qua2	278467.604	47652.4767	-2.5208397						1.0000		0.9950
PCB-1016 Peak 2	172791 92432 85532	126977 100716	103298 96643	101675 88918	Qua2	728491.063	101554.881	-5.4587814						0.9960		0.9950
PCB-1016 Peak 3	146443 74098 70354	88997 81233	82397 78078	81458 72975	Qua2	686227.446	77337.4461	-1.7889787						0.9980		0.9950
PCB-1016 Peak 4	103611 56918 54250	67379 63353	62451 61209	63241 56083	Qua2	430694.928	60159.6507	-1.4973356						0.9980		0.9950
PCB-1016 Peak 5	72810 36504 34195	45012 39780	40544 38567	40575 35526	Qua2	342045.996	38472.7674	-1.2028796						0.9980		0.9950
PCB-1260 Peak 1	193198 101897 96797	124611 112131	112592 108424	111898 99350	Qua2	854110.482	107552.786	-3.0167310						0.9980		0.9950
PCB-1260 Peak 2	286724 154748 147671	174558 167885	168505 163326	167064 151033	Qua2	1265049.37	158395.939	-2.2900084						0.9980		0.9950
PCB-1260 Peak 3	107475 59598 60153	67539 66675	63989 65644	65153 61563	Qua2	454735.279	61309.4272	0.35949967						0.9980		0.9950

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 10:18 Calibration End Date: 12/16/2011 12:21 Calibration ID: 4481

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5 LVL 9	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
PCB-1260 Peak 4	303590 164211 154279	181752 173897	170109 170030	172254 158008	Qua2	1383784.68	163047.570	-1.3023208						0.9980		0.9950
PCB-1260 Peak 5	191413 94491 91790	116257 104587	102714 101597	104837 94149	Qua2	924796.445	98443.9598	-1.4561232						0.9980		0.9950
Dibutylchloroendate	1823325	2216930	2029927 2222017	2026414	Qua2	4659533.63	1509819.43	5627.65790						0.9960		0.9950
DCB Decachlorobiphenyl	1499783	1629326	1828204 1542645	1570927	Qua2	3701961.72	1450696.80	733.408147						0.9990		0.9950

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 10:18 Calibration End Date: 12/16/2011 12:21 Calibration ID: 4481

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD20 510-91178/1	B5991.D
Level 2	STD50 510-91178/2	B5992.D
Level 3	STD100 510-91178/3	B5993.D
Level 4	STD250 510-91178/4	B5994.D
Level 5	STD500 510-91178/5	B5995.D
Level 6	STD1000 510-91178/6	B5996.D
Level 7	STD1500 510-91178/7	B5997.D
Level 8	STD2000 510-91178/8	B5998.D
Level 9	STD3000 510-91178/9	B5999.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
		LVL 6	LVL 7	LVL 8	LVL 9		LVL 6	LVL 7	LVL 8	LVL 9	
PCB-1016 Peak 1	Qua2	757252 46995190	2598462 67413439	4964834 83235612	12121136 119959024	23435419	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1016 Peak 2	Qua2	1727906 100715959	6348868 144964229	10329776 177836961	25418760 256594651	46216009	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1016 Peak 3	Qua2	1464432 81232920	4449856 117117714	8239738 145950988	20364476 211062586	37048758	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1016 Peak 4	Qua2	1036114 63352582	3368965 91813718	6245135 112165382	15810311 162749188	28459035	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1016 Peak 5	Qua2	728096 39779734	2250589 57851209	4054374 71051516	10143814 102585416	18251790	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1260 Peak 1	Qua2	1931981 112130822	6230555 162636713	11259224 198699198	27974472 290391744	50948598	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1260 Peak 2	Qua2	2867236 167884581	8727892 244989222	16850509 302065601	41766118 443012846	77374170	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1260 Peak 3	Qua2	1074747 66675128	3376969 98466312	6398931 123126523	16288168 180457990	29798875	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1260 Peak 4	Qua2	3035904 173896549	9087577 255044655	17010910 316016100	43063544 462837226	82105566	10.0 1000	50.0 1500	100 2000	250 3000	500
PCB-1260 Peak 5	Qua2	1914131 104586800	5812862 152395682	10271389 188297133	26209220 275368907	47245358	10.0 1000	50.0 1500	100 2000	250 3000	500
Dibutylchloroendate	Qua2	221692956	266642003	20299266	121584854	145865975	100	120	10.0	60.0	80.0
DCB Decachlorobiphenyl	Qua2	162932569	185117349	18282044	94255598	119982647	100	120	10.0	60.0	80.0

Curve Type Legend:

Qua2 = Quadratic 1/conc^2

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5991.D
 Lims ID: std20 Client ID:
 Inject. Date: 16-Dec-2011 10:18:29 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: std20
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 91178 Lims Sample ID: 1
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 12:34:44 Calib Date: 16-Dec-2011 12:06:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5998.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 12:34:44

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
4 PCB-1016									M
1	1	3.153	3.154	-0.001	757252	10.0		100.0	
1	2	3.583	3.580	0.003	1727906	9.85	184.3- 244.3	228.2	
1	3	4.366	4.364	0.002	1464432	10.0	142.9- 202.9	193.4	
1	4	4.937	4.935	0.002	1036114	10.0	104.8- 164.8	136.8	
1	5	5.489	5.488	0.001	728096	10.0	54.6- 114.6	96.1	
Average of Peak Amounts =						10.0			
2	6	3.697	3.696	0.001	475896	9.98		100.0	
2	7	4.271	4.269	0.002	980009	9.99	190.3- 250.3	205.9	
2	8	5.158	5.158	0.000	923548	9.86	137.1- 197.1	194.1	M
2	9	5.592	5.587	0.005	319173	9.93	46.2- 106.2	67.1	
2	10	5.880	5.879	0.001	588736	10.0	105.7- 165.7	123.7	
Average of Peak Amounts =						9.95			
						RPD = 0.50			
11 PCB-1260									M
1	1	6.771	6.769	0.002	1931981	10.0		100.0	
1	2	7.259	7.256	0.003	2867236	10.1	119.7- 179.7	148.4	
1	3	7.496	7.494	0.002	1074747	10.1	29.5- 89.5	55.6	
1	4	7.807	7.803	0.004	3035904	10.1	125.1- 185.1	157.1	
1	5	8.564	8.561	0.003	1914131	10.0	63.3- 123.3	99.1	
Average of Peak Amounts =						10.1			
2	6	7.845	7.839	0.006	617559	10.0		100.0	M
2	7	8.212	8.209	0.003	1219331	10.0	169.1- 229.1	197.4	
2	8	8.642	8.637	0.005	1540590	10.1	216.2- 276.2	249.5	
2	9	9.359	9.356	0.003	1045480	10.0	152.9- 212.9	169.3	
2	10	9.749	9.747	0.002	1195772	10.0	164.1- 224.1	193.6	
Average of Peak Amounts =						10.0			
						RPD = 0.33			

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 16-Dec-2011 12:34:44

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5991.D

Injection Date: 16-Dec-2011 10:18:29

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

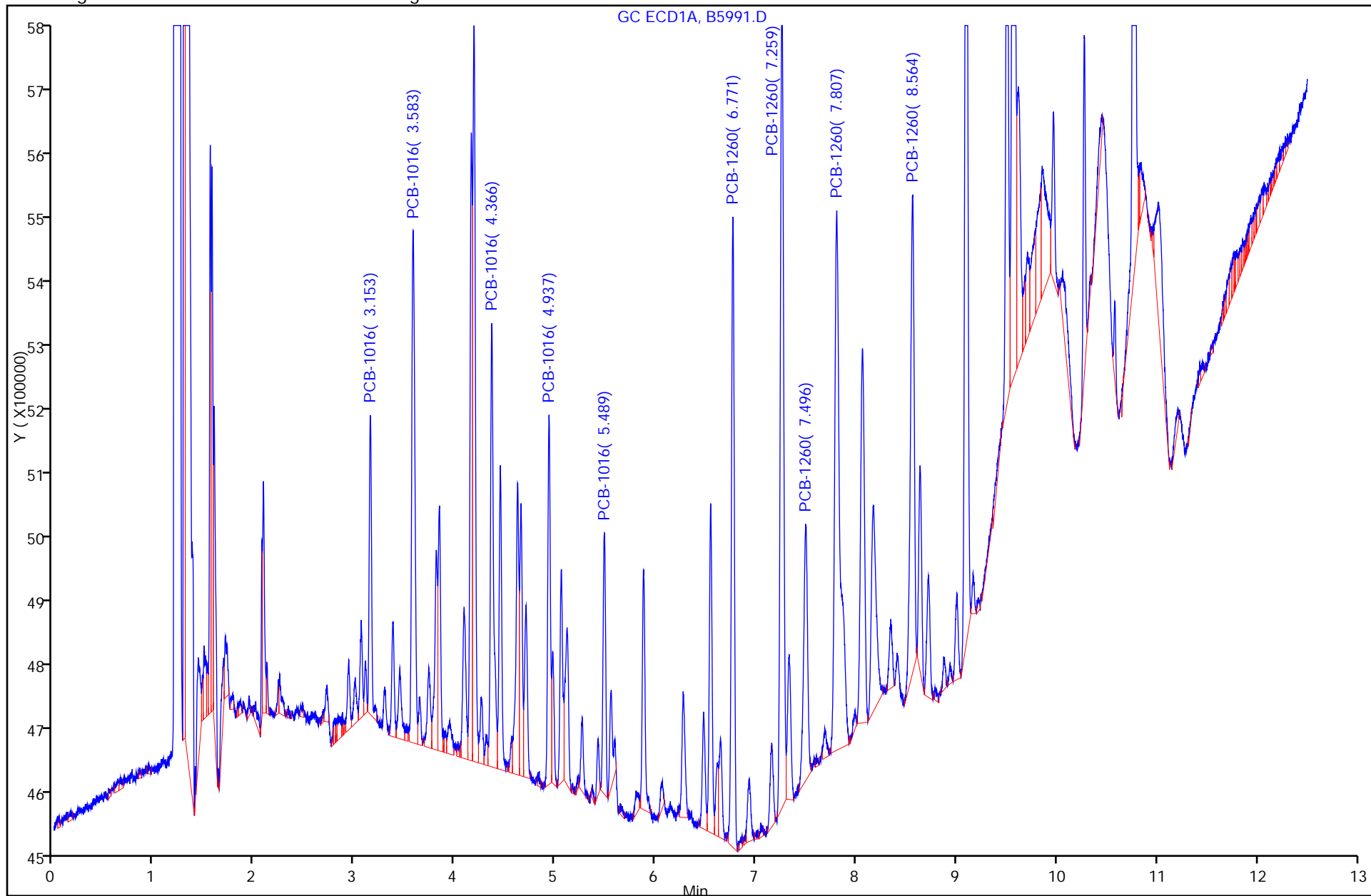
Lims Batch ID: 91178

Lims Sample ID: 1

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5992.D
 Lims ID: std50 Client ID:
 Inject. Date: 16-Dec-2011 10:33:57 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: std50
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 91178 Lims Sample ID: 2
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 11:00:15 Calib Date: 16-Dec-2011 10:33:57
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5992.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 11:00:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.153	3.156	-0.003	2598462	50.0		100.0	
1	2	3.579	3.583	-0.004	6348868	50.0	186.9- 246.9	244.3	
1	3	4.364	4.367	-0.003	4449856	50.0	143.8- 203.8	171.2	
1	4	4.934	4.938	-0.004	3368965	50.0	106.7- 166.7	129.7	
1	5	5.488	5.490	-0.002	2250589	50.0	55.8- 115.8	86.6	
Average of Peak Amounts =						50.0			
2	6	3.696	3.698	-0.002	1486183	50.0		100.0	
2	7	4.270	4.272	-0.002	3174613	50.0	189.6- 249.6	213.6	
2	8	5.155	5.157	-0.002	2818194	50.0	138.6- 198.6	189.6	
2	9	5.587	5.588	-0.001	1151120	50.0	49.7- 109.7	77.5	
2	10	5.880	5.881	-0.001	1935506	50.0	108.1- 168.1	130.2	
Average of Peak Amounts =						50.0			

RPD = 0.00

11 PCB-1260

1	1	6.769	6.772	-0.003	6230555	50.0		100.0	
1	2	7.258	7.262	-0.004	8727892	50.0	119.7- 179.7	140.1	
1	3	7.496	7.497	-0.001	3376969	50.0	29.6- 89.6	54.2	
1	4	7.805	7.807	-0.002	9087577	50.0	126.4- 186.4	145.9	
1	5	8.562	8.566	-0.004	5812862	50.0	64.1- 124.1	93.3	
Average of Peak Amounts =						50.0			
2	6	7.840	7.845	-0.005	1824572	50.0		100.0	
2	7	8.211	8.210	0.001	3737291	50.0	163.4- 223.4	204.8	
2	8	8.639	8.639	0.000	4578188	50.0	201.9- 261.9	250.9	
2	9	9.357	9.357	0.000	3244062	50.0	146.4- 206.4	177.8	
2	10	9.749	9.747	0.002	3632223	50.0	153.8- 213.8	199.1	
Average of Peak Amounts =						50.0			

RPD = 0.00

Report Date: 16-Dec-2011 11:00:15

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5992.D

Injection Date: 16-Dec-2011 10:33:57

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

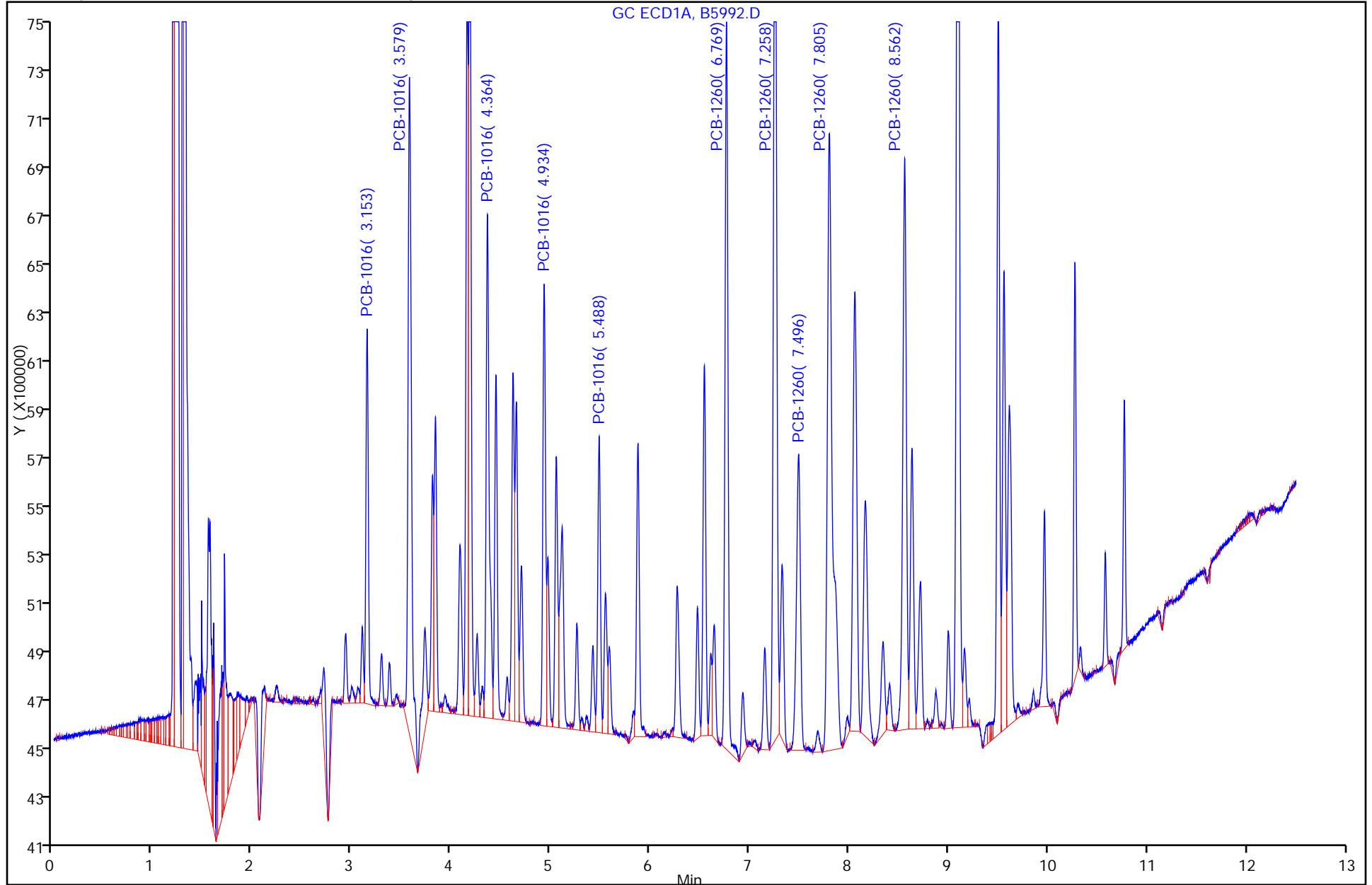
Lims Batch ID: 91178

Lims Sample ID: 2

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5993.D
 Lims ID: std100 Client ID:
 Inject. Date: 16-Dec-2011 10:49:22 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: std100
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 91178 Lims Sample ID: 3
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 11:54:09 Calib Date: 16-Dec-2011 11:35:26
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5996.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 11:54:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.154	3.154	0.000	4964834	100.2		100.0	
1	2	3.579	3.579	0.000	10329776	96.7	184.3- 244.3	208.1	
1	3	4.364	4.364	0.000	8239738	100.2	142.9- 202.9	166.0	
1	4	4.934	4.934	0.000	6245135	99.5	104.8- 164.8	125.8	
1	5	5.487	5.487	0.000	4054374	98.7	54.6- 114.6	81.7	
Average of Peak Amounts =						99.1			
2	6	3.696	3.696	0.000	2708022	100.2		100.0	
2	7	4.269	4.269	0.000	5936013	101.4	190.3- 250.3	219.2	
2	8	5.154	5.154	0.000	4553881	99.4	137.1- 197.1	168.2	
2	9	5.587	5.587	0.000	2050648	98.4	46.2- 106.2	75.7	
2	10	5.879	5.879	0.000	3716591	102.3	105.7- 165.7	137.2	
Average of Peak Amounts =						100.3			

RPD = 1.28

11 PCB-1260

1	1	6.768	6.768	0.000	11259224	99.1		100.0	
1	2	7.256	7.256	0.000	16850509	103.1	119.7- 179.7	149.7	
1	3	7.493	7.493	0.000	6398931	100.1	29.5- 89.5	56.8	
1	4	7.803	7.803	0.000	17010910	104.8	125.1- 185.1	151.1	
1	5	8.561	8.561	0.000	10271389	97.6	63.3- 123.3	91.2	
Average of Peak Amounts =						100.9			
2	6	7.839	7.839	0.000	3565367	104.3		100.0	
2	7	8.209	8.209	0.000	7156704	103.8	169.1- 229.1	200.7	
2	8	8.638	8.638	0.000	8635245	101.3	216.2- 276.2	242.2	
2	9	9.357	9.357	0.000	6179321	102.7	152.9- 212.9	173.3	
2	10	9.748	9.748	0.000	6724374	100.6	164.1- 224.1	188.6	
Average of Peak Amounts =						102.5			

RPD = 1.57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.569	9.569	0.000	20299266	10.0			
2	2	10.261	10.261	0.000	7654427	10.0			
							RPD =	0.34	

\$ 2 DCB Decachlorobiphenyl

1	1	10.770	10.770	0.000	18282044	10.0			
2	2	11.582	11.582	0.000	11380305	10.0			
							RPD =	0.01	

Report Date: 16-Dec-2011 11:54:09

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5993.D

Injection Date: 16-Dec-2011 10:49:22

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

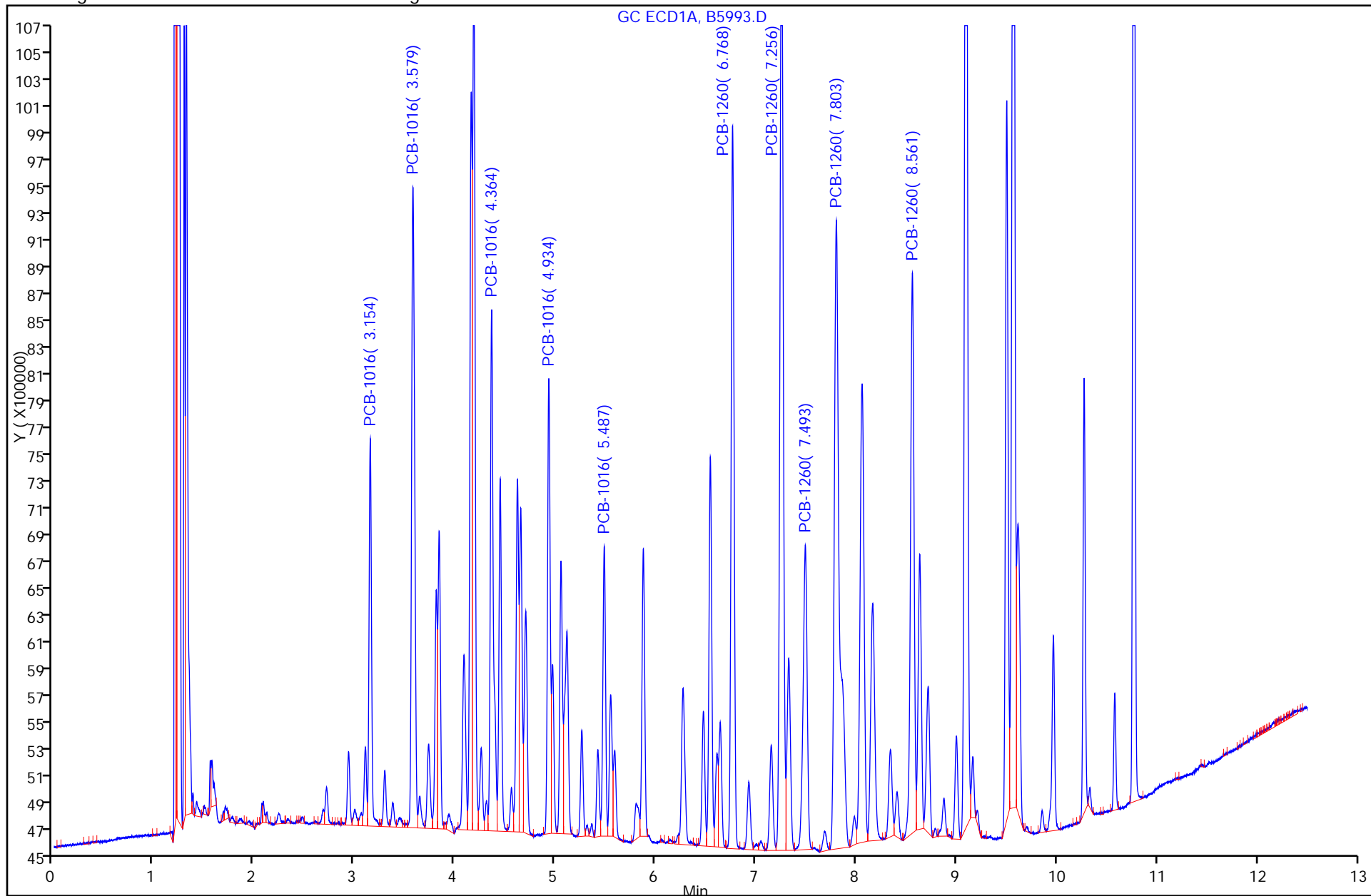
Lims Batch ID: 91178

Lims Sample ID: 3

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5994.D
 Lims ID: std250 Client ID:
 Inject. Date: 16-Dec-2011 11:04:48 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: std250
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 91178 Lims Sample ID: 4
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 11:54:27 Calib Date: 16-Dec-2011 11:35:26
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5996.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 11:54:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.154	3.154	0.000	12121136	253.6		100.0	
1	2	3.581	3.580	0.001	25418760	249.1	184.3- 244.3	209.7	
1	3	4.364	4.364	0.000	20364476	259.3	142.9- 202.9	168.0	
1	4	4.935	4.935	0.000	15810311	261.1	104.8- 164.8	130.4	
1	5	5.488	5.488	0.000	10143814	259.8	54.6- 114.6	83.7	
Average of Peak Amounts =						256.6			
2	6	3.697	3.696	0.001	6593103	259.2		100.0	
2	7	4.269	4.269	0.000	14340864	258.2	190.3- 250.3	217.5	
2	8	5.155	5.155	0.000	11155721	256.6	137.1- 197.1	169.2	
2	9	5.587	5.587	0.000	5186309	262.8	46.2- 106.2	78.7	
2	10	5.879	5.879	0.000	9063844	262.7	105.7- 165.7	137.5	
Average of Peak Amounts =						259.9			

RPD = 1.30

11 PCB-1260

1	1	6.768	6.769	-0.001	27974472	257.0		100.0	
1	2	7.256	7.256	0.000	41766118	266.0	119.7- 179.7	149.3	
1	3	7.493	7.494	-0.001	16288168	262.6	29.5- 89.5	58.2	
1	4	7.803	7.803	0.000	43063544	278.5	125.1- 185.1	153.9	
1	5	8.560	8.561	-0.001	26209220	261.5	63.3- 123.3	93.7	
Average of Peak Amounts =						265.1			
2	6	7.840	7.839	0.001	8492835	261.9		100.0	
2	7	8.208	8.209	-0.001	16703972	255.5	169.1- 229.1	196.7	
2	8	8.638	8.637	0.001	21008337	260.4	216.2- 276.2	247.4	
2	9	9.357	9.356	0.001	14776763	256.3	152.9- 212.9	174.0	
2	10	9.748	9.747	0.001	16400382	258.9	164.1- 224.1	193.1	
Average of Peak Amounts =						258.6			

RPD = 2.50

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5994.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.570	9.569	0.001	121584854	60.1			
2	2	10.261	10.260	0.001	44961433	61.7			
							RPD =	2.76	

\$ 2 DCB Decachlorobiphenyl

1	1	10.770	10.770	0.000	94255598	61.3			
2	2	11.582	11.581	0.001	58516163	61.4			
							RPD =	0.29	

Report Date: 16-Dec-2011 11:54:27

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5994.D

Injection Date: 16-Dec-2011 11:04:48

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

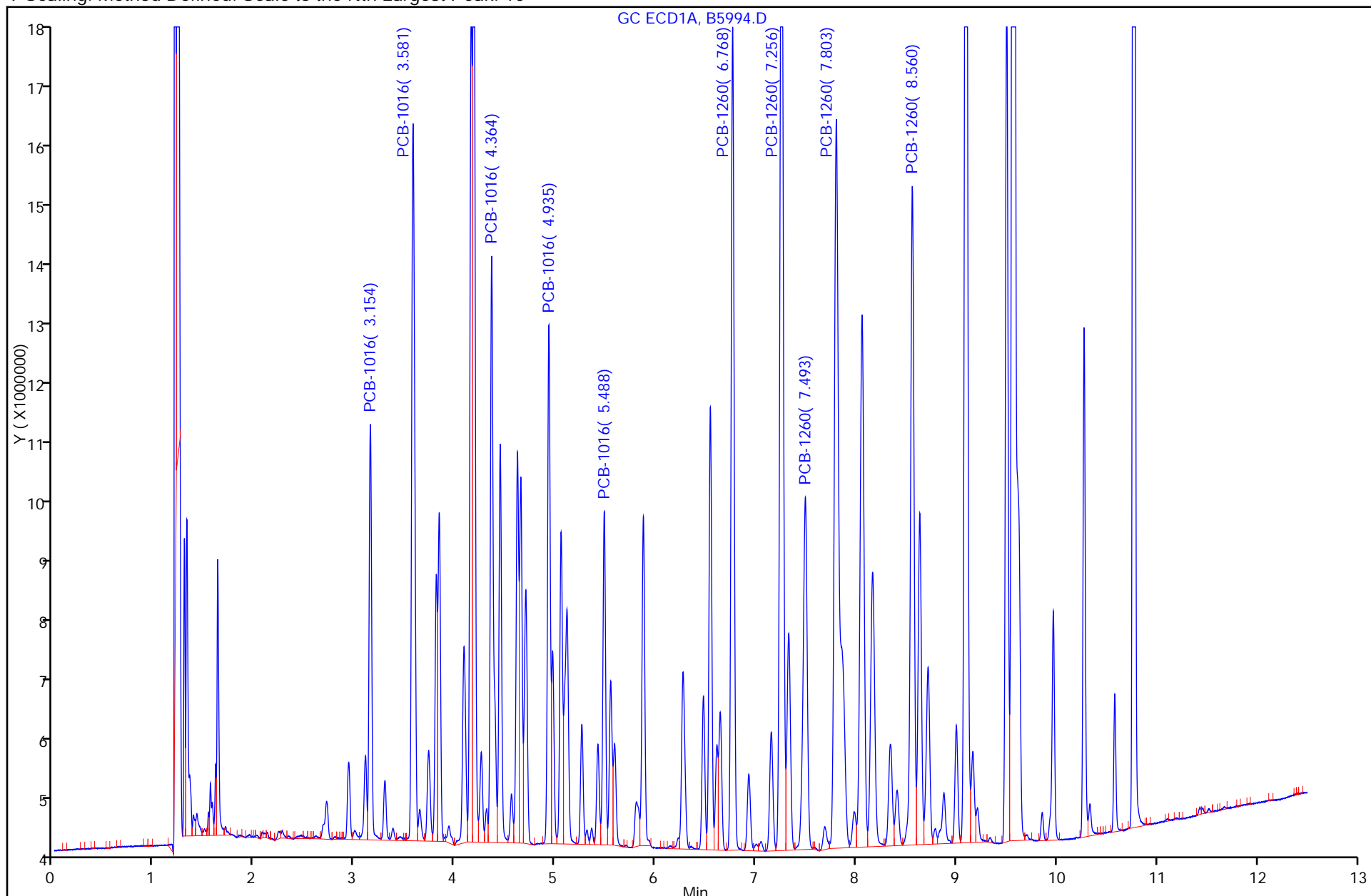
Lims Batch ID: 91178

Lims Sample ID: 4

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5995.D
 Lims ID: std500 Client ID:
 Inject. Date: 16-Dec-2011 11:19:54 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: std500
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 91178 Lims Sample ID: 5
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 11:55:35 Calib Date: 16-Dec-2011 11:35:26
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5996.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 11:55:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
4 PCB-1016									M
1	1	3.151	3.154	-0.003	23435419	496.0		100.0	
1	2	3.578	3.580	-0.002	46216009	459.2	184.3- 244.3	197.2	
1	3	4.362	4.364	-0.002	37048758	473.4	142.9- 202.9	158.1	
1	4	4.932	4.935	-0.003	28459035	469.7	104.8- 164.8	121.4	
1	5	5.486	5.488	-0.002	18251790	471.5	54.6- 114.6	77.9	
Average of Peak Amounts =						474.0			
2	6	3.695	3.696	-0.001	11377302	458.6		100.0	
2	7	4.267	4.269	-0.002	24832336	457.0	190.3- 250.3	218.3	
2	8	5.153	5.155	-0.002	18799788	438.7	137.1- 197.1	165.2	
2	9	5.586	5.586	0.000	8790102	454.9	46.2- 106.2	77.3	M
2	10	5.878	5.879	-0.001	15117223	448.3	105.7- 165.7	132.9	
Average of Peak Amounts =						451.5			
						RPD = 4.85			
11 PCB-1260									M
1	1	6.766	6.769	-0.003	50948598	470.6		100.0	
1	2	7.254	7.254	0.000	77374170	481.0	119.7- 179.7	151.9	M
1	3	7.492	7.494	-0.002	29798875	475.4	29.5- 89.5	58.5	
1	4	7.801	7.801	0.000	82105566	492.8	125.1- 185.1	161.2	M
1	5	8.560	8.561	-0.001	47245358	472.1	63.3- 123.3	92.7	
Average of Peak Amounts =						478.4			
2	6	7.838	7.839	-0.001	14405153	451.3		100.0	
2	7	8.206	8.209	-0.003	29252425	456.3	169.1- 229.1	203.1	
2	8	8.636	8.637	-0.001	37503306	472.0	216.2- 276.2	260.3	
2	9	9.356	9.356	0.000	26573489	463.9	152.9- 212.9	184.5	
2	10	9.746	9.747	-0.001	29369447	470.5	164.1- 224.1	203.9	
Average of Peak Amounts =						462.8			
						RPD = 3.31			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.570	9.569	0.001	145865975	72.1			
2	2	10.261	10.260	0.001	56501217	75.8			
							RPD = 5.08		

\$ 2 DCB Decachlorobiphenyl

1	1	10.771	10.770	0.001	119982647	77.0			
2	2	11.581	11.581	0.000	73412302	76.5			
							RPD = 0.62		

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 16-Dec-2011 11:55:35

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5995.D

Injection Date: 16-Dec-2011 11:19:54

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

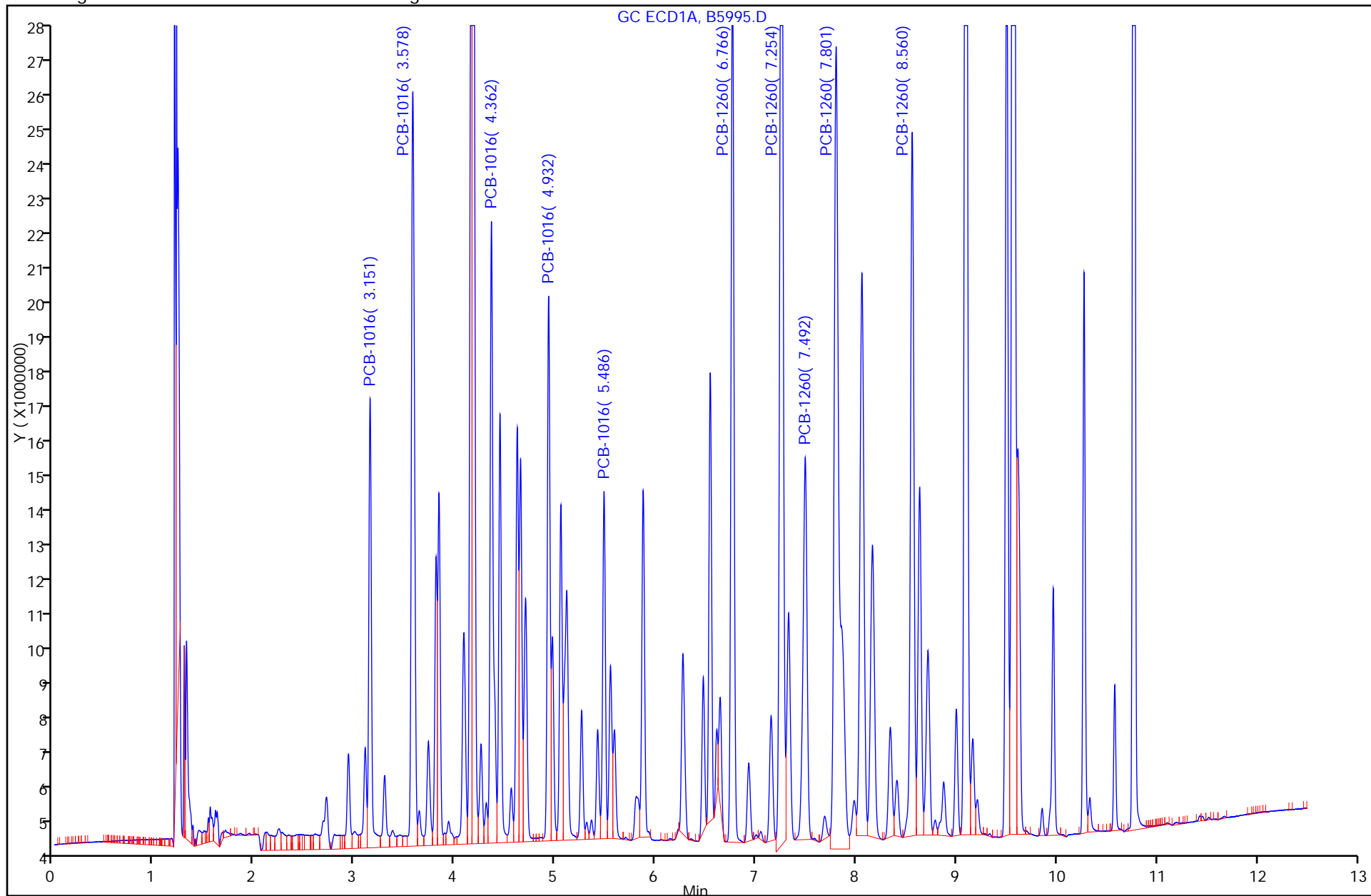
Lims Batch ID: 91178

Lims Sample ID: 5

Operator ID:

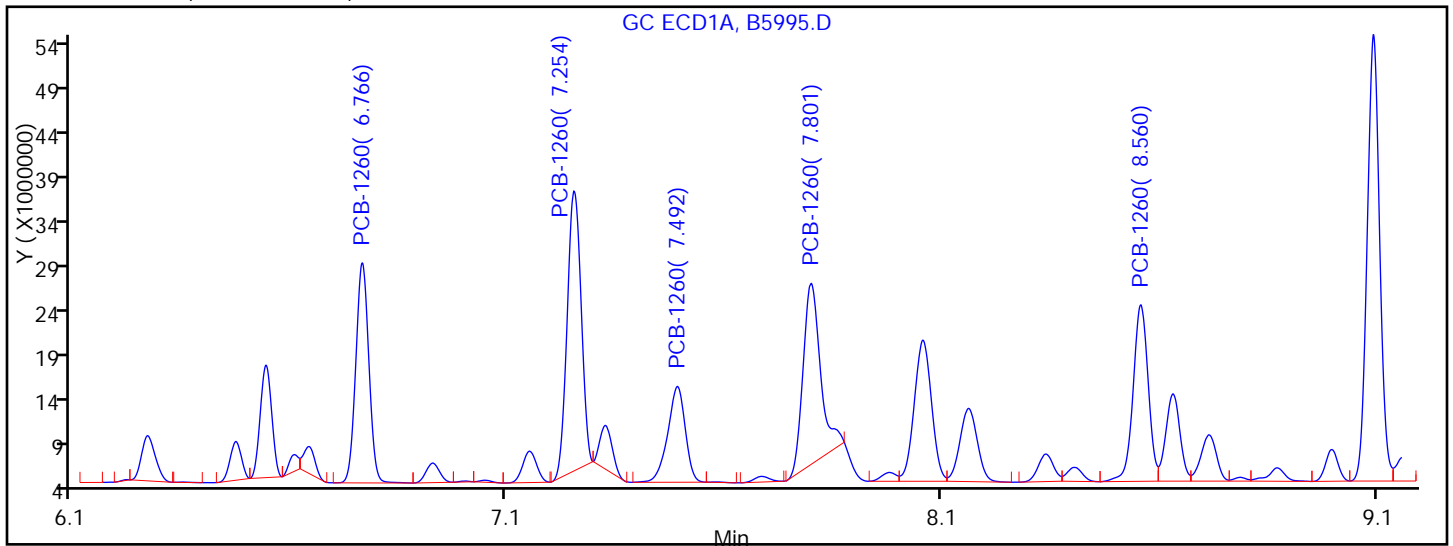
Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



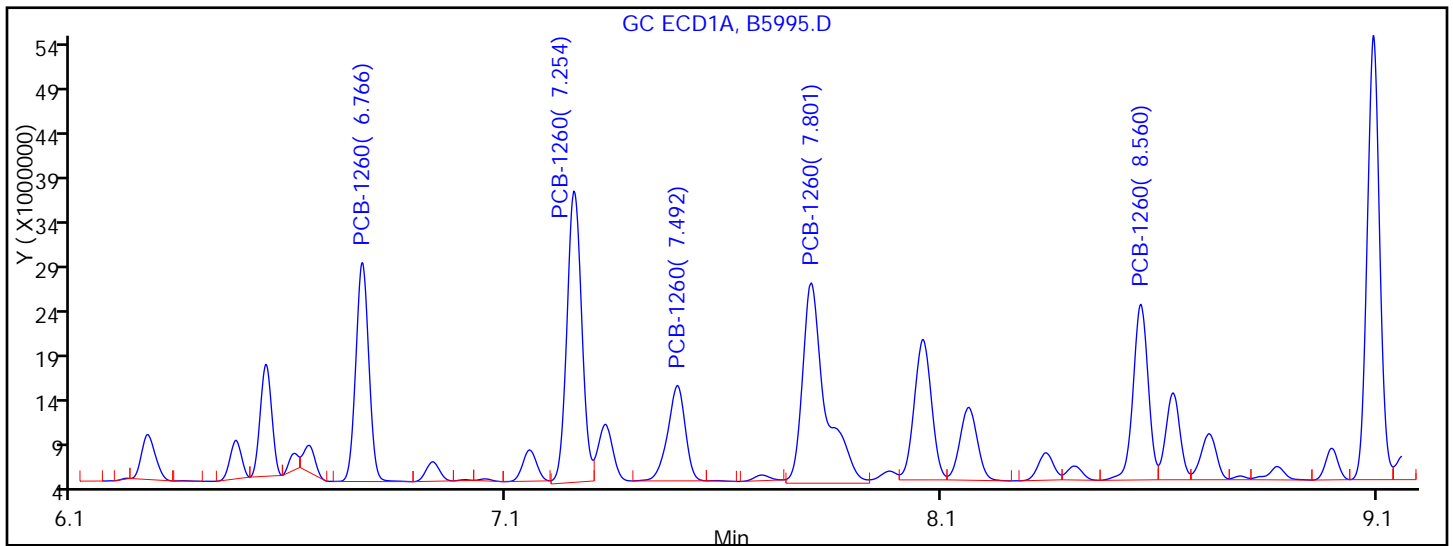
Report Date: 16-Dec-2011 11:55:35
 Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5995.D
 Injection Date: 16-Dec-2011 11:19:54
 Client ID:
 Lims Batch ID: 91178
 Operator ID:
 11 PCB-1260, Detector: 1, GC ECD1A

Chrom Revision: 1.2 13-Jul-2011 10:43:06
 Limit Group: SGC - 1 - 8082 CAL
 Instrument ID: SGCA
 Lims Sample ID: 5
 Injection Vol: 1.00 ul



Processing Integration Results

RT = 6.766	Response = 50948598	
RT = 7.254	Response = 69320764	M
RT = 7.492	Response = 29798875	
RT = 7.801	Response = 55908149	M
RT = 8.560	Response = 47245358	



Manual Integration Results

RT = 6.766	Response = 50948598	
RT = 7.254	Response = 77374170	M
RT = 7.492	Response = 29798875	
RT = 7.801	Response = 82105566	M
RT = 8.560	Response = 47245358	

Reviewer: iversc, 16-Dec-2011 11:55:35
 Audit Action: Manually Integrated
 Audit Reason: Baseline Smoothing

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5996.D
 Lims ID: std1000 Client ID:
 Inject. Date: 16-Dec-2011 11:35:26 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: std1000
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 91178 Lims Sample ID: 6
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 11:56:19 Calib Date: 16-Dec-2011 11:35:26
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5996.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 11:56:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.154	3.154	0.000	46995190	1000.7		100.0	
1	2	3.580	3.580	0.000	100715959	1009.8	184.3- 244.3	214.3	
1	3	4.364	4.364	0.000	81232920	1016.4	142.9- 202.9	172.9	
1	4	4.935	4.935	0.000	63352582	1018.6	104.8- 164.8	134.8	
1	5	5.488	5.488	0.000	39779734	1018.8	54.6- 114.6	84.6	
Average of Peak Amounts =						1012.9			
2	6	3.696	3.696	0.000	24623996	1032.8		100.0	
2	7	4.269	4.269	0.000	54255793	1034.4	190.3- 250.3	220.3	
2	8	5.155	5.155	0.000	41143316	970.9	137.1- 197.1	167.1	
2	9	5.587	5.587	0.000	18751627	1038.9	46.2- 106.2	76.2	
2	10	5.879	5.879	0.000	33407379	1039.5	105.7- 165.7	135.7	
Average of Peak Amounts =						1023.3			

RPD = 1.02

11 PCB-1260

1	1	6.769	6.769	0.000	112130822	1021.4		100.0	
1	2	7.256	7.256	0.000	167884581	1008.2	119.7- 179.7	149.7	
1	3	7.494	7.494	0.000	66675128	1012.0	29.5- 89.5	59.5	
1	4	7.803	7.803	0.000	173896549	999.0	125.1- 185.1	155.1	
1	5	8.561	8.561	0.000	104586800	1016.9	63.3- 123.3	93.3	
Average of Peak Amounts =						1011.5			
2	6	7.839	7.839	0.000	32556264	1034.0		100.0	
2	7	8.209	8.209	0.000	64827498	1035.5	169.1- 229.1	199.1	
2	8	8.637	8.637	0.000	80149965	1017.0	216.2- 276.2	246.2	
2	9	9.356	9.356	0.000	59556575	1026.4	152.9- 212.9	182.9	
2	10	9.747	9.747	0.000	63203237	1020.0	164.1- 224.1	194.1	
Average of Peak Amounts =						1026.6			

RPD = 1.48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.569	9.569	0.000	221692956	109.5			
2	2	10.260	10.260	0.000	79862500	102.3			
							RPD = 6.79		

\$ 2 DCB Decachlorobiphenyl

1	1	10.770	10.770	0.000	162932569	101.7			
2	2	11.581	11.581	0.000	99848796	102.0			
							RPD = 0.29		

Report Date: 16-Dec-2011 11:56:20

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5996.D

Injection Date: 16-Dec-2011 11:35:26

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

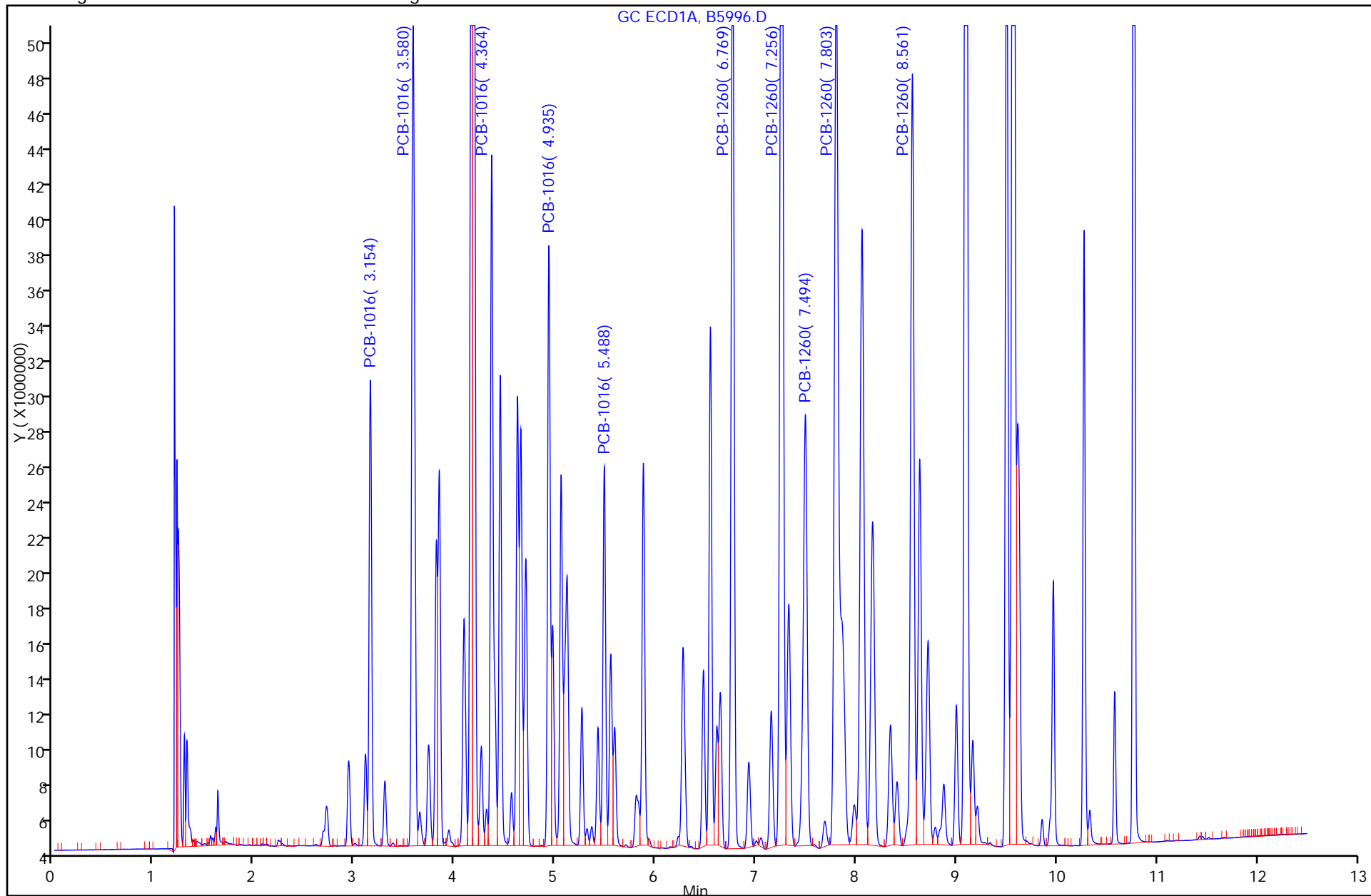
Lims Batch ID: 91178

Lims Sample ID: 6

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5997.D
 Lims ID: std1500 Client ID:
 Inject. Date: 16-Dec-2011 11:50:50 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 7
 Sample ID: std1500
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 91178 Lims Sample ID: 7
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 12:32:33 Calib Date: 16-Dec-2011 12:06:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5998.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 12:32:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.154	3.154	0.000	67413439	1528.4		100.0	
1	2	3.581	3.580	0.001	144964229	1550.6	184.3- 244.3	215.0	
1	3	4.364	4.364	0.000	117117714	1536.4	142.9- 202.9	173.7	
1	4	4.935	4.935	0.000	91813718	1552.5	104.8- 164.8	136.2	
1	5	5.486	5.488	-0.002	57851209	1549.2	54.6- 114.6	85.8	
Average of Peak Amounts =						1543.4			
2	6	3.696	3.696	0.000	35488947	1548.3		100.0	
2	7	4.270	4.269	0.001	77712510	1553.7	190.3- 250.3	219.0	
2	8	5.155	5.155	0.000	60647862	1476.3	137.1- 197.1	170.9	
2	9	5.586	5.587	-0.001	28976191	1615.1	46.2- 106.2	81.6	
2	10	5.878	5.879	-0.001	49567807	1578.7	105.7- 165.7	139.7	
Average of Peak Amounts =						1554.4			

RPD = 0.71

11 PCB-1260

1	1	6.768	6.769	-0.001	162636713	1552.9		100.0	
1	2	7.256	7.256	0.000	244989222	1546.0	119.7- 179.7	150.6	
1	3	7.493	7.494	-0.001	98466312	1545.3	29.5- 89.5	60.5	
1	4	7.801	7.803	-0.002	255044655	1542.0	125.1- 185.1	156.8	
1	5	8.560	8.561	-0.001	152395682	1547.4	63.3- 123.3	93.7	
Average of Peak Amounts =						1546.7			
2	6	7.839	7.839	0.000	49507214	1604.9		100.0	
2	7	8.208	8.209	-0.001	95371907	1575.3	169.1- 229.1	192.6	
2	8	8.637	8.637	0.000	115774443	1561.5	216.2- 276.2	233.9	
2	9	9.357	9.356	0.001	88034379	1575.4	152.9- 212.9	177.8	
2	10	9.747	9.747	0.000	91028592	1556.4	164.1- 224.1	183.9	
Average of Peak Amounts =						1574.7			

RPD = 1.79

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.568	9.569	-0.001	266642003	119.9			
2	2	10.261	10.260	0.001	92082854	118.5			
							RPD =	1.17	

\$ 2 DCB Decachlorobiphenyl

1	1	10.771	10.770	0.001	185117349	118.0			
2	2	11.581	11.581	0.000	115405611	118.9			
							RPD =	0.75	

Report Date: 16-Dec-2011 12:32:33

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5997.D

Injection Date: 16-Dec-2011 11:50:50

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

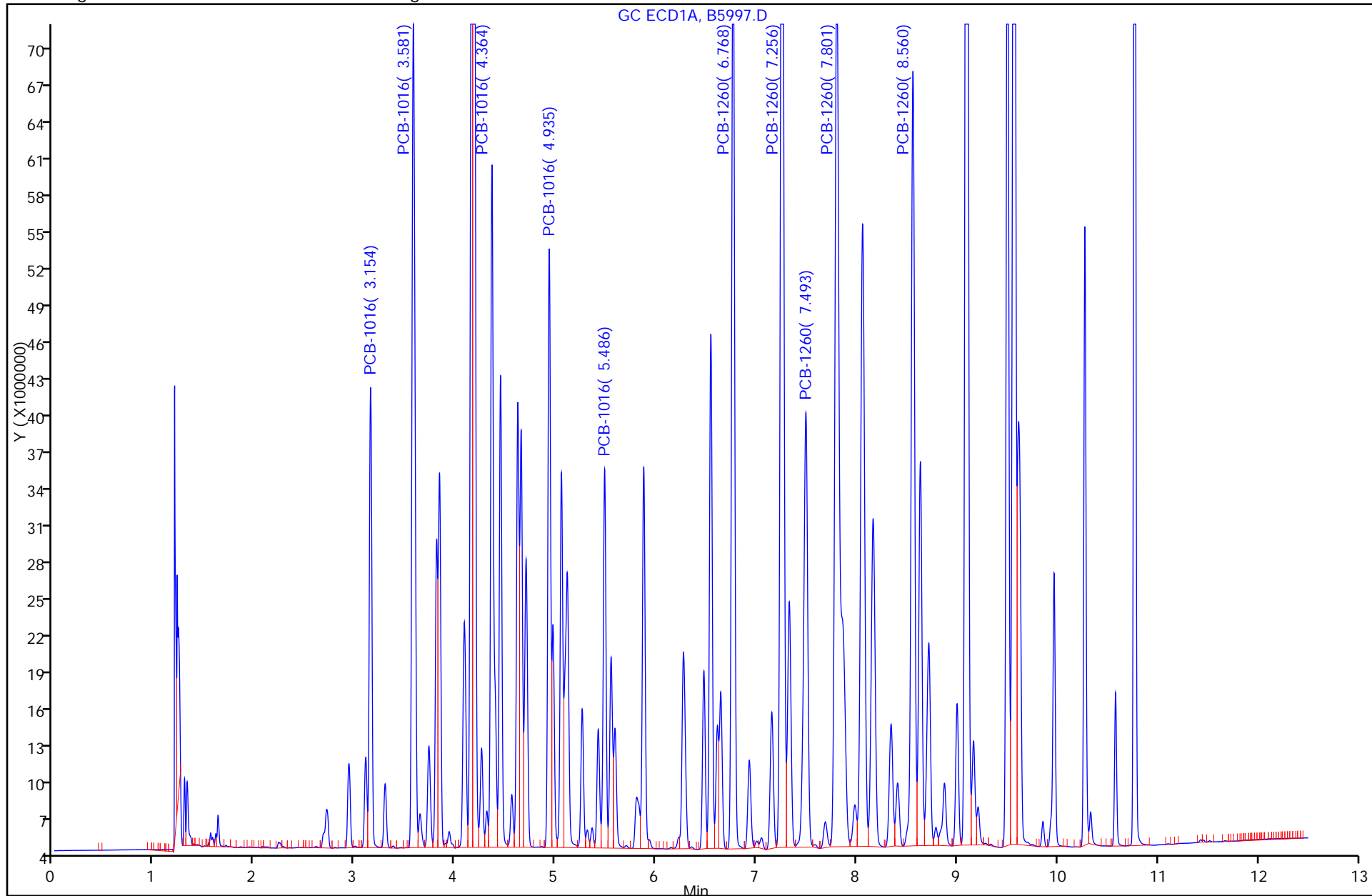
Lims Batch ID: 91178

Lims Sample ID: 7

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5998.D
 Lims ID: std2000 Client ID:
 Inject. Date: 16-Dec-2011 12:06:16 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: std2000
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 91178 Lims Sample ID: 8
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 12:32:59 Calib Date: 16-Dec-2011 12:06:16
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5998.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 12:32:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.154	3.154	0.000	83235612	1930.7		100.0	
1	2	3.581	3.580	0.001	177836961	1950.4	184.3- 244.3	213.7	
1	3	4.364	4.364	0.000	145950988	1921.6	142.9- 202.9	175.3	
1	4	4.935	4.935	0.000	112165382	1902.6	104.8- 164.8	134.8	
1	5	5.487	5.488	-0.001	71051516	1917.0	54.6- 114.6	85.4	
Average of Peak Amounts =						1924.5			
2	6	3.696	3.696	0.000	43417323	1945.1		100.0	
2	7	4.269	4.269	0.000	94079788	1931.8	190.3- 250.3	216.7	
2	8	5.155	5.155	0.000	73374167	1788.1	137.1- 197.1	169.0	
2	9	5.587	5.587	0.000	33771384	1922.2	46.2- 106.2	77.8	
2	10	5.879	5.879	0.000	59365194	1932.2	105.7- 165.7	136.7	
Average of Peak Amounts =						1903.9			

RPD = 1.08

11 PCB-1260

1	1	6.768	6.769	-0.001	198699198	1909.6		100.0	
1	2	7.257	7.256	0.001	302065601	1904.8	119.7- 179.7	152.0	
1	3	7.495	7.494	0.001	123126523	1911.5	29.5- 89.5	62.0	
1	4	7.803	7.803	0.000	316016100	1902.3	125.1- 185.1	159.0	
1	5	8.561	8.561	0.000	188297133	1911.4	63.3- 123.3	94.8	
Average of Peak Amounts =						1907.9			
2	6	7.841	7.839	0.002	57967986	1891.4		100.0	
2	7	8.209	8.209	0.000	114232553	1915.3	169.1- 229.1	197.1	
2	8	8.638	8.637	0.001	138426126	1900.4	216.2- 276.2	238.8	
2	9	9.358	9.356	0.002	105555827	1896.0	152.9- 212.9	182.1	
2	10	9.747	9.747	0.000	109674704	1907.6	164.1- 224.1	189.2	
Average of Peak Amounts =						1902.1			

RPD = 0.30

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5998.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchloroendate

1	1	9.569
2	2	10.260

\$ 2 DCB Decachlorobiphenyl

1	1	10.770
2	2	11.581

Report Date: 16-Dec-2011 12:32:59

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5998.D

Injection Date: 16-Dec-2011 12:06:16

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

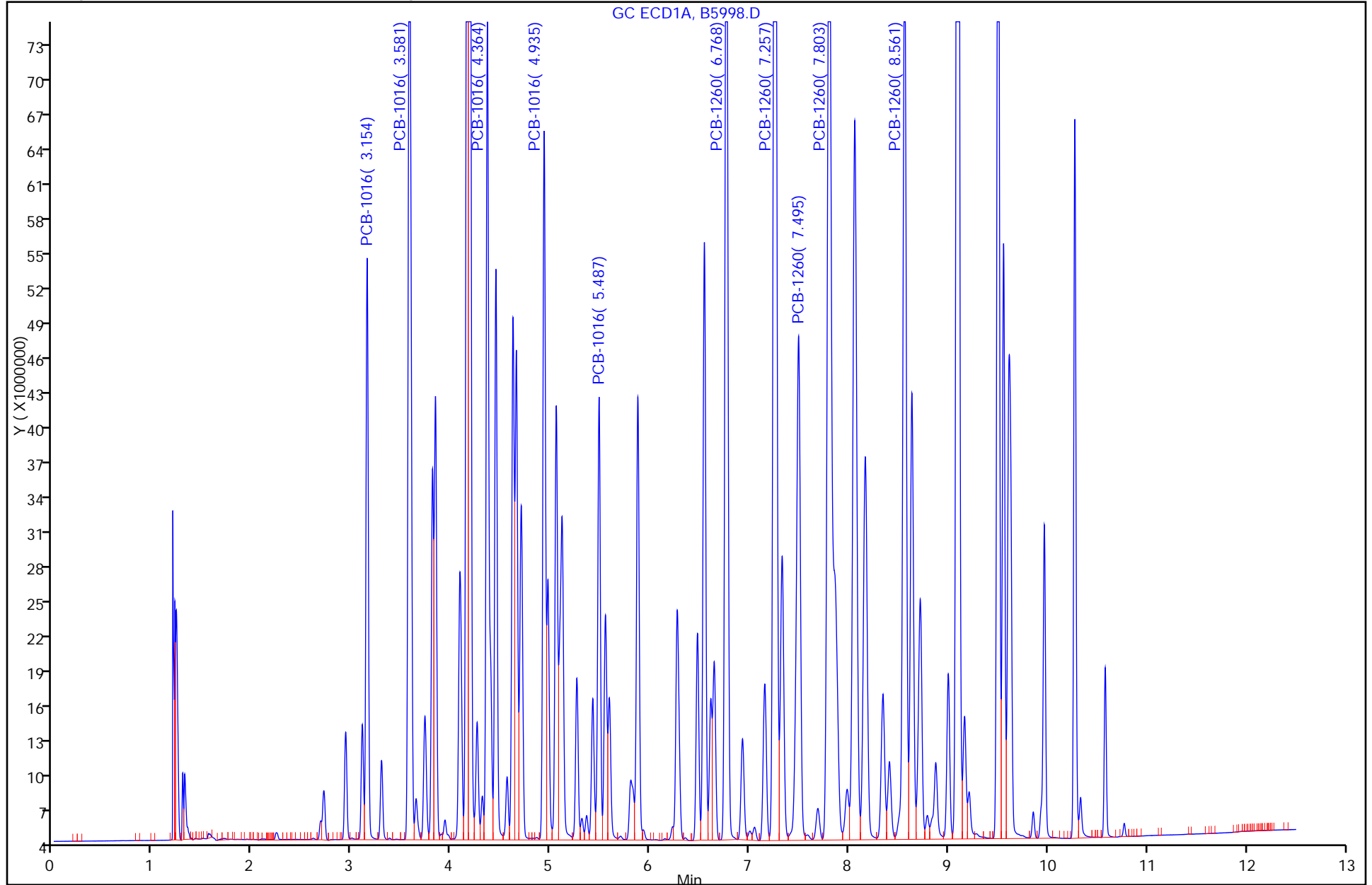
Lims Batch ID: 91178

Lims Sample ID: 8

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5999.D
 Lims ID: std3000 Client ID:
 Inject. Date: 16-Dec-2011 12:21:37 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 9
 Sample ID: std3000
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 91178 Lims Sample ID: 9
 Sublist: chrom-PCBS*sub1
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 12:36:01 Calib Date: 16-Dec-2011 12:21:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5999.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 12:36:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.152	3.154	-0.002	119959024	2981.9		100.0	
1	2	3.579	3.580	-0.001	256594651	3004.8	184.3- 244.3	213.9	
1	3	4.363	4.364	-0.001	211062586	2917.1	142.9- 202.9	175.9	
1	4	4.934	4.935	-0.001	162749188	2908.7	104.8- 164.8	135.7	
1	5	5.486	5.488	-0.002	102585416	2925.1	54.6- 114.6	85.5	
Average of Peak Amounts =						2947.5			
2	6	3.695	3.696	-0.001	61786492	2988.1		100.0	
2	7	4.269	4.269	0.000	133661857	2983.6	190.3- 250.3	216.3	
2	8	5.155	5.158	-0.003	105161754	3016.2	137.1- 197.1	170.2	
2	9	5.587	5.587	0.000	48810722	2998.9	46.2- 106.2	79.0	
2	10	5.879	5.879	0.000	85370843	2986.8	105.7- 165.7	138.2	
Average of Peak Amounts =						2994.7			

RPD = 1.59

11 PCB-1260

1	1	6.767	6.769	-0.002	290391744	2933.4		100.0	
1	2	7.256	7.256	0.000	443012846	2911.4	119.7- 179.7	152.6	
1	3	7.494	7.494	0.000	180457990	2887.1	29.5- 89.5	62.1	
1	4	7.802	7.803	-0.001	462837226	2897.2	125.1- 185.1	159.4	
1	5	8.561	8.561	0.000	275368907	2913.4	63.3- 123.3	94.8	
Average of Peak Amounts =						2908.5			
2	6	7.841	7.839	0.002	85294045	2935.7		100.0	
2	7	8.209	8.209	0.000	164875139	2954.3	169.1- 229.1	193.3	
2	8	8.637	8.637	0.000	200168263	2958.9	216.2- 276.2	234.7	
2	9	9.357	9.356	0.001	153733370	2911.8	152.9- 212.9	180.2	
2	10	9.748	9.747	0.001	159587581	2967.1	164.1- 224.1	187.1	
Average of Peak Amounts =						2945.6			

RPD = 1.27

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5999.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1 1 9.569

2 2 10.260

\$ 2 DCB Decachlorobiphenyl

1 1 10.770

2 2 11.581

Report Date: 16-Dec-2011 12:36:01

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B5999.D

Injection Date: 16-Dec-2011 12:21:37

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

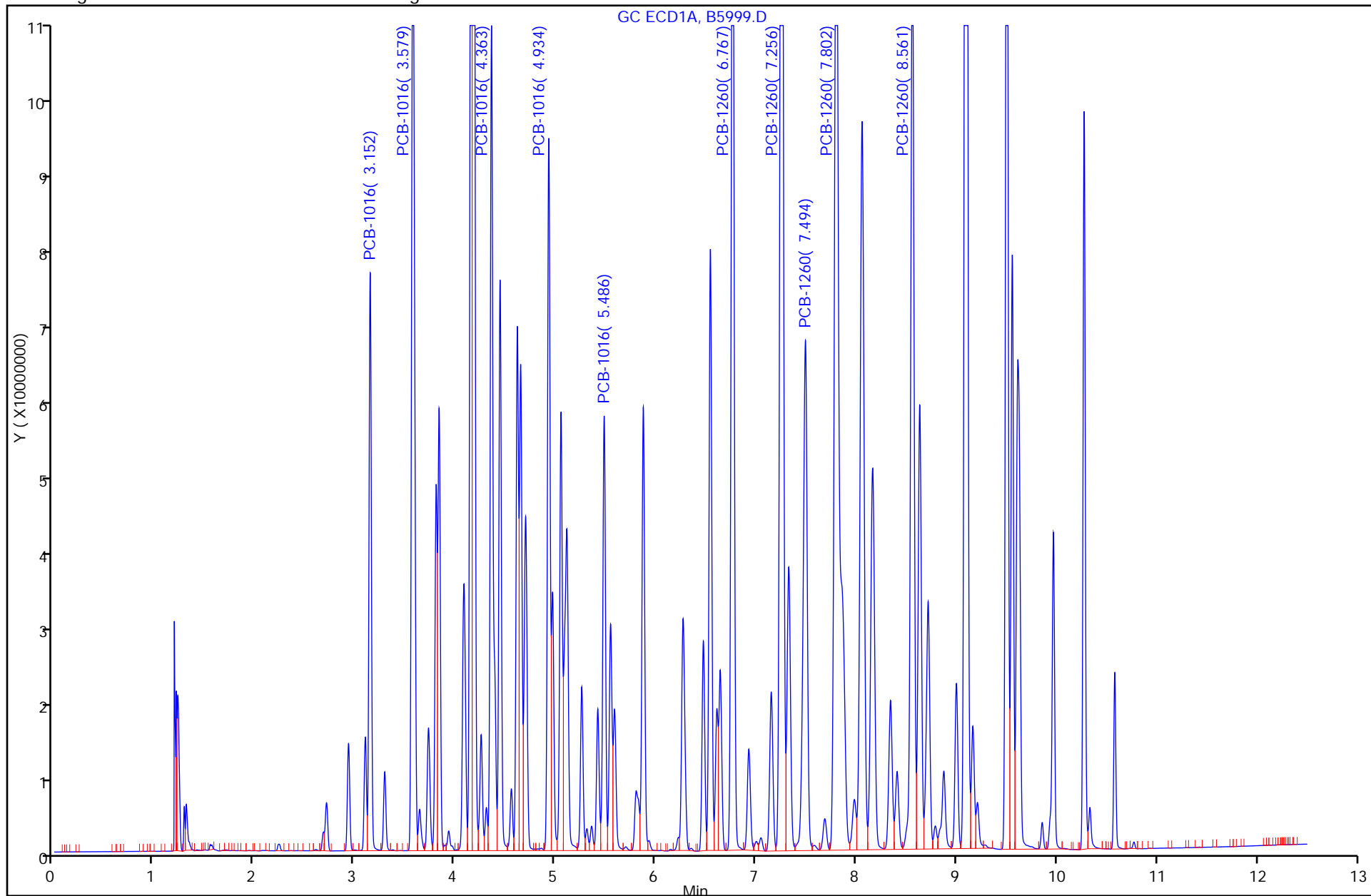
Lims Batch ID: 91178

Lims Sample ID: 9

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VI
 PCBS INITIAL CALIBRATION DATA
 EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 12:36 Calibration End Date: 12/16/2011 12:36 Calibration ID: 4485

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 510-91178/10	B6000.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	2.239										2.139 - 2.339	2.239
PCB-1221 Peak 2	2.936										2.836 - 3.036	2.936
PCB-1221 Peak 3	3.103										3.003 - 3.203	3.103
PCB-1221 Peak 4	3.151										3.051 - 3.251	3.151
PCB-1221 Peak 5	4.362										4.262 - 4.462	4.362

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 12:36 Calibration End Date: 12/16/2011 12:36 Calibration ID: 4485

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 510-91178/10	B6000.D

ANALYTE	CF			CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1				B	M1	M2								
PCB-1221 Peak 1	19389			Ave		19388.6460						10.0			
PCB-1221 Peak 2	27301			Ave		27300.5115						10.0			
PCB-1221 Peak 3	16615			Ave		16615.4215						10.0			
PCB-1221 Peak 4	63777			Ave		63777.4375						10.0			
PCB-1221 Peak 5	5112.8			Ave		5112.84650						10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
 PCBS INITIAL CALIBRATION DATA
 EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 12:36 Calibration End Date: 12/16/2011 12:36 Calibration ID: 4485

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 510-91178/10	B6000.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	38777292					2000				
PCB-1221 Peak 2	Ave	54601023					2000				
PCB-1221 Peak 3	Ave	33230843					2000				
PCB-1221 Peak 4	Ave	127554875					2000				
PCB-1221 Peak 5	Ave	10225693					2000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6000.D
 Lims ID: std1221 Client ID:
 Inject. Date: 16-Dec-2011 12:36:50 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: std1221
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 91178 Lims Sample ID: 10
 Sublist: chrom-PCBS*sub2
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 13:49:45 Calib Date: 16-Dec-2011 13:22:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6003.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 13:49:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
5 PCB-1221									
1	1	2.239	2.239	0.000	38777292	2000.0		100.0	
1	2	2.936	2.936	0.000	54601023	2000.0	0.0- 30.0	140.8	
1	3	3.103	3.103	0.000	33230843	2000.0	0.0- 30.0	85.7	
1	4	3.151	3.151	0.000	127554875	2000.0	0.0- 30.0	328.9	
1	5	4.362	4.362	0.000	10225693	2000.0	0.0- 30.0	26.4	
Average of Peak Amounts =						2000.0			
2	6	2.496	2.496	0.000	21562254	2000.0		100.0	
2	7	2.922	2.922	0.000	7232874	2000.0	0.0- 30.0	33.5	
2	8	3.418	3.418	0.000	29299721	2000.0	0.0- 30.0	135.9	
2	9	3.611	3.611	0.000	18348696	2000.0	0.0- 30.0	85.1	
2	10	3.695	3.695	0.000	66704962	2000.0	0.0- 30.0	309.4	
Average of Peak Amounts =						2000.0			
RPD = 0.00									

Report Date: 16-Dec-2011 13:49:46

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6000.D

Injection Date: 16-Dec-2011 12:36:50

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

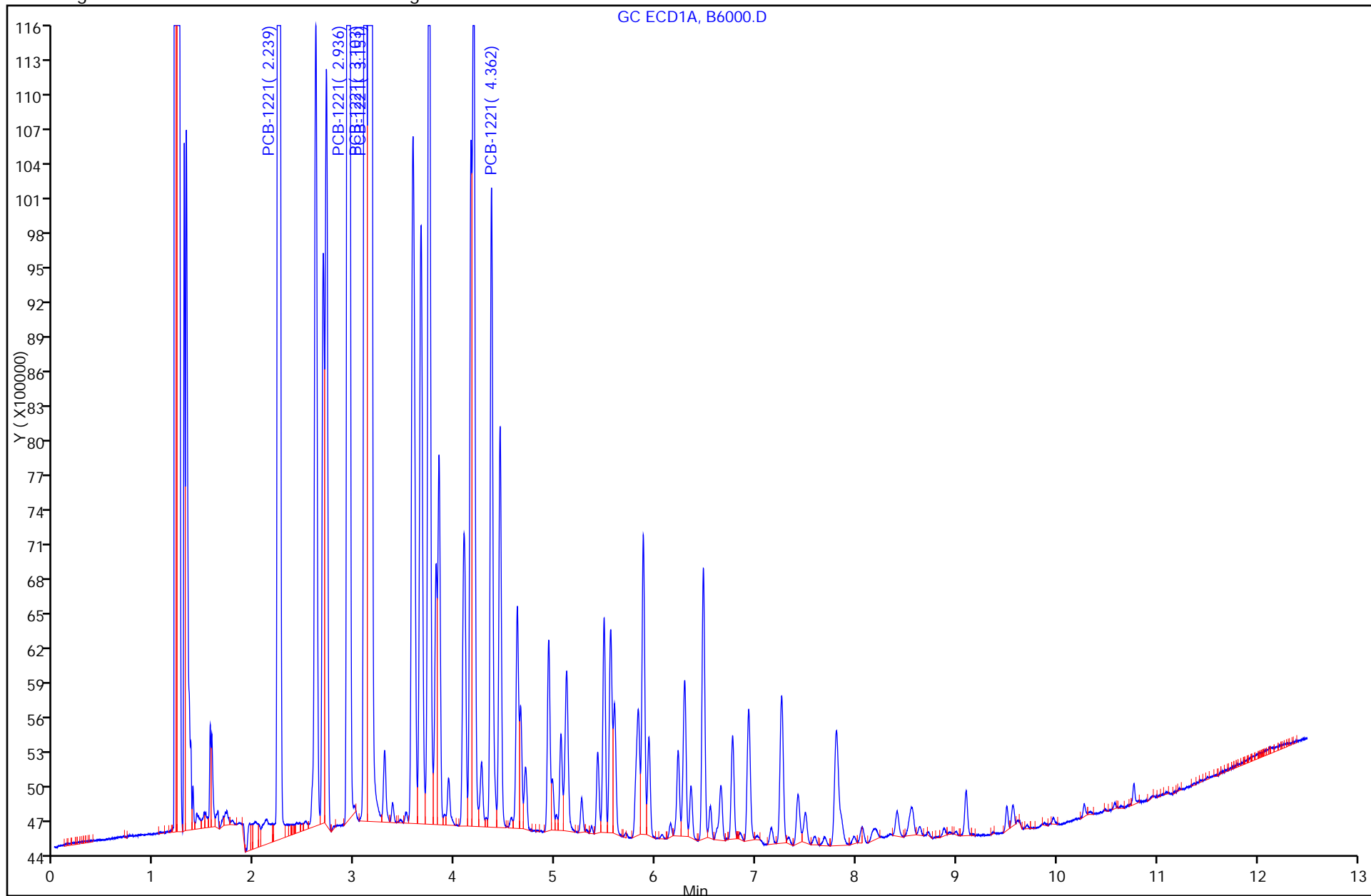
Lims Batch ID: 91178

Lims Sample ID: 10

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VI
 PCBS INITIAL CALIBRATION DATA
 EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 12:52 Calibration End Date: 12/16/2011 12:52 Calibration ID: 4489

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 510-91178/11	B6001.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.936										2.836 - 3.036	2.936
PCB-1232 Peak 2	3.152										3.052 - 3.252	3.152
PCB-1232 Peak 3	3.579										3.479 - 3.679	3.579
PCB-1232 Peak 4	4.364										4.264 - 4.464	4.364
PCB-1232 Peak 5	4.449										4.349 - 4.549	4.449

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 12:52 Calibration End Date: 12/16/2011 12:52 Calibration ID: 4489

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 510-91178/11	B6001.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	16233				Ave		16233.0745						10.0			
PCB-1232 Peak 2	49937				Ave		49937.2305						10.0			
PCB-1232 Peak 3	44079				Ave		44079.1115						10.0			
PCB-1232 Peak 4	35648				Ave		35648.2860						10.0			
PCB-1232 Peak 5	21707				Ave		21707.0810						10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 12:52 Calibration End Date: 12/16/2011 12:52 Calibration ID: 4489

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 510-91178/11	B6001.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	32466149					2000				
PCB-1232 Peak 2	Ave	99874461					2000				
PCB-1232 Peak 3	Ave	88158223					2000				
PCB-1232 Peak 4	Ave	71296572					2000				
PCB-1232 Peak 5	Ave	43414162					2000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6001.D
 Lims ID: std1232 Client ID:
 Inject. Date: 16-Dec-2011 12:52:14 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: std1232
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 91178 Lims Sample ID: 11
 Sublist: chrom-PCBS*sub3
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 13:50:12 Calib Date: 16-Dec-2011 13:22:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6003.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 13:50:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
7 PCB-1232									
1	1	2.936	2.936	0.000	32466149	2000.0		100.0	
1	2	3.152	3.152	0.000	99874461	2000.0	0.0- 30.0	307.6	
1	3	3.579	3.579	0.000	88158223	2000.0	0.0- 30.0	271.5	
1	4	4.364	4.364	0.000	71296572	2000.0	0.0- 30.0	219.6	
1	5	4.449	4.449	0.000	43414162	2000.0	0.0- 30.0	133.7	
Average of Peak Amounts =						2000.0			
2	6	2.496	2.496	0.000	11804884	2000.0		100.0	
2	7	3.695	3.695	0.000	51888152	2000.0	0.0- 30.0	439.5	
2	8	4.269	4.269	0.000	49763037	2000.0	0.0- 30.0	421.5	
2	9	5.154	5.154	0.000	36501898	2000.0	0.0- 30.0	309.2	
2	10	5.879	5.879	0.000	27891562	2000.0	0.0- 30.0	236.3	
Average of Peak Amounts =						2000.0			
						RPD = 0.00			

Report Date: 16-Dec-2011 13:50:12

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6001.D

Injection Date: 16-Dec-2011 12:52:14

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

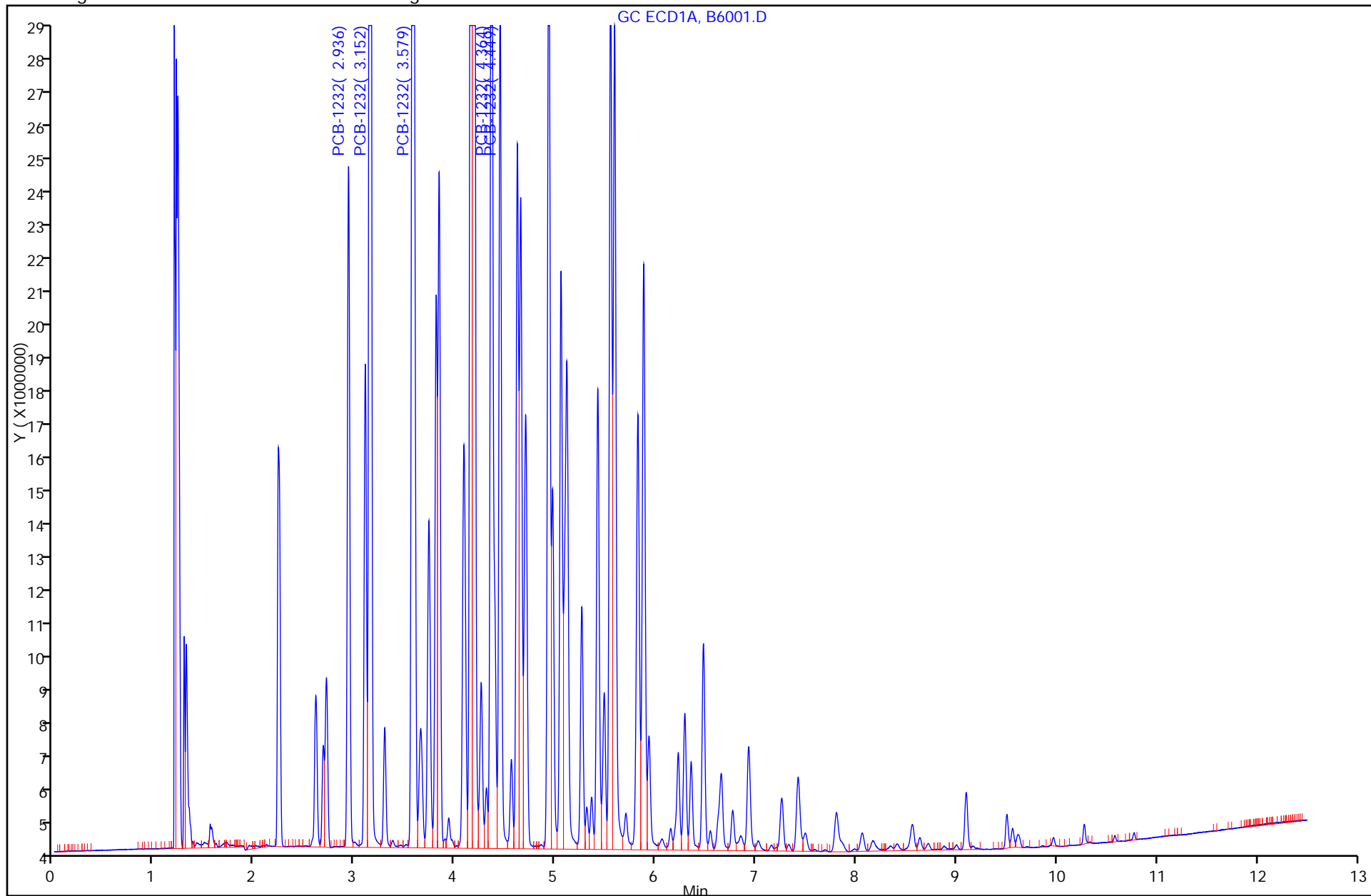
Lims Batch ID: 91178

Lims Sample ID: 11

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VI
 PCBS INITIAL CALIBRATION DATA
 EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:07 Calibration End Date: 12/16/2011 13:07 Calibration ID: 4493

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 510-91178/12	B6002.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	3.150										3.050 - 3.250	3.150
PCB-1242 Peak 2	3.577										3.477 - 3.677	3.577
PCB-1242 Peak 3	4.446										4.346 - 4.546	4.446
PCB-1242 Peak 4	5.111										5.011 - 5.211	5.111
PCB-1242 Peak 5	5.589										5.489 - 5.689	5.589

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:07 Calibration End Date: 12/16/2011 13:07 Calibration ID: 4493

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 510-91178/12	B6002.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	36029				Ave		36029.3735						10.0			
PCB-1242 Peak 2	75353				Ave		75352.5190						10.0			
PCB-1242 Peak 3	36446				Ave		36445.5505						10.0			
PCB-1242 Peak 4	33117				Ave		33117.3880						10.0			
PCB-1242 Peak 5	44347				Ave		44347.3845						10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
 PCBS INITIAL CALIBRATION DATA
 EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:07 Calibration End Date: 12/16/2011 13:07 Calibration ID: 4493

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 510-91178/12	B6002.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	72058747					2000				
PCB-1242 Peak 2	Ave	150705038					2000				
PCB-1242 Peak 3	Ave	72891101					2000				
PCB-1242 Peak 4	Ave	66234776					2000				
PCB-1242 Peak 5	Ave	88694769					2000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6002.D
 Lims ID: std1242 Client ID:
 Inject. Date: 16-Dec-2011 13:07:20 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: std1242
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 91178 Lims Sample ID: 12
 Sublist: chrom-PCBS*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 13:50:24 Calib Date: 16-Dec-2011 13:22:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6003.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 13:50:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags	
10 PCB-1242										
1	1	3.150	3.150	0.000	72058747	2000.0		100.0		
1	2	3.577	3.577	0.000	150705038	2000.0	0.0- 30.0	209.1		
1	3	4.446	4.446	0.000	72891101	2000.0	0.0- 30.0	101.2		
1	4	5.111	5.111	0.000	66234776	2000.0	0.0- 30.0	91.9		
1	5	5.589	5.589	0.000	88694769	2000.0	0.0- 30.0	123.1		
		Average of Peak Amounts =				2000.0				
2	6	3.694	3.694	0.000	36703820	2000.0		100.0		
2	7	4.267	4.267	0.000	79766239	2000.0	0.0- 30.0	217.3		
2	8	5.152	5.152	0.000	62316896	2000.0	0.0- 30.0	169.8		
2	9	6.549	6.549	0.000	58804164	2000.0	0.0- 30.0	160.2		
2	10	6.935	6.935	0.000	58131337	2000.0	0.0- 30.0	158.4		
		Average of Peak Amounts =				2000.0				
						RPD = 0.00				

Report Date: 16-Dec-2011 13:50:24

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6002.D

Injection Date: 16-Dec-2011 13:07:20

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

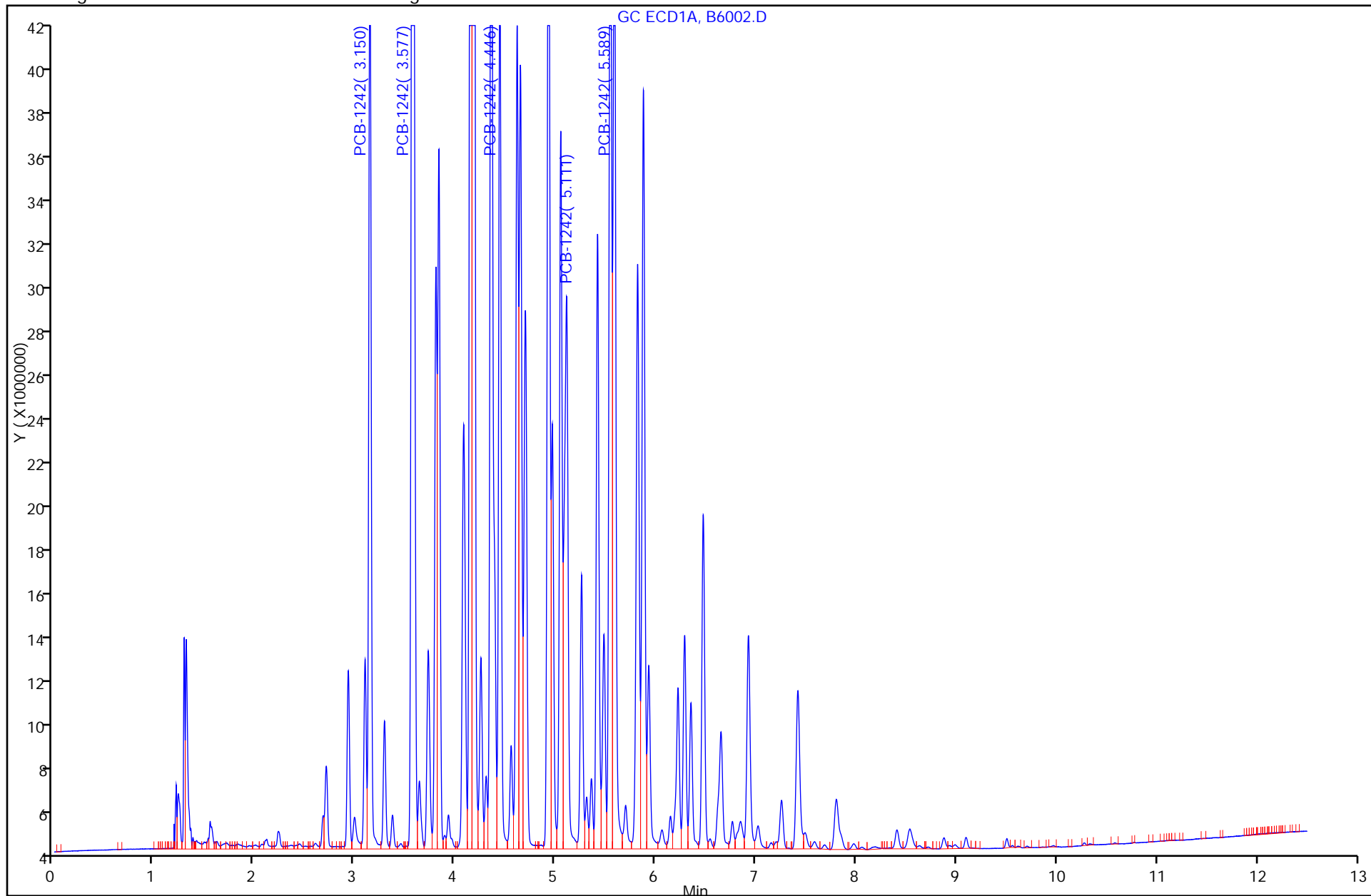
Lims Batch ID: 91178

Lims Sample ID: 12

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:22 Calibration End Date: 12/16/2011 13:22 Calibration ID: 4497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 510-91178/13	B6003.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.577										3.477 - 3.677	3.577
PCB-1248 Peak 2	4.186										4.086 - 4.286	4.186
PCB-1248 Peak 3	5.056										4.956 - 5.156	5.056
PCB-1248 Peak 4	5.591										5.491 - 5.691	5.591
PCB-1248 Peak 5	6.477										6.377 - 6.577	6.477

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:22 Calibration End Date: 12/16/2011 13:22 Calibration ID: 4497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 510-91178/13	B6003.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	34849				Ave		34849.0550						10.0			
PCB-1248 Peak 2	44360				Ave		44360.3140						10.0			
PCB-1248 Peak 3	50888				Ave		50888.2225						10.0			
PCB-1248 Peak 4	72192				Ave		72192.2620						10.0			
PCB-1248 Peak 5	41412				Ave		41411.5640						10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:22 Calibration End Date: 12/16/2011 13:22 Calibration ID: 4497

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 510-91178/13	B6003.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	69698110					2000				
PCB-1248 Peak 2	Ave	88720628					2000				
PCB-1248 Peak 3	Ave	101776445					2000				
PCB-1248 Peak 4	Ave	144384524					2000				
PCB-1248 Peak 5	Ave	82823128					2000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6003.D
 Lims ID: std1248 Client ID:
 Inject. Date: 16-Dec-2011 13:22:45 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: std1248
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 91178 Lims Sample ID: 13
 Sublist: chrom-PCBS*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 13:50:36 Calib Date: 16-Dec-2011 13:22:45
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6003.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 13:50:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags	
6 PCB-1248										
1	1	3.577	3.577	0.000	69698110	2000.0		100.0		
1	2	4.186	4.186	0.000	88720628	2000.0	0.0- 30.0	127.3		
1	3	5.056	5.056	0.000	101776445	2000.0	0.0- 30.0	146.0		
1	4	5.591	5.591	0.000	144384524	2000.0	0.0- 30.0	207.2		
1	5	6.477	6.477	0.000	82823128	2000.0	0.0- 30.0	118.8		
		Average of Peak Amounts =				2000.0				
2	6	4.269	4.269	0.000	38109805	2000.0		100.0		
2	7	5.152	5.152	0.000	34237504	2000.0	0.0- 30.0	89.8		
2	8	5.880	5.880	0.000	81661190	2000.0	0.0- 30.0	214.3		
2	9	6.549	6.549	0.000	103742103	2000.0	0.0- 30.0	272.2		
2	10	6.938	6.938	0.000	98053368	2000.0	0.0- 30.0	257.3		
		Average of Peak Amounts =				2000.0				
						RPD = 0.00				

Report Date: 16-Dec-2011 13:50:36

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6003.D

Injection Date: 16-Dec-2011 13:22:45

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

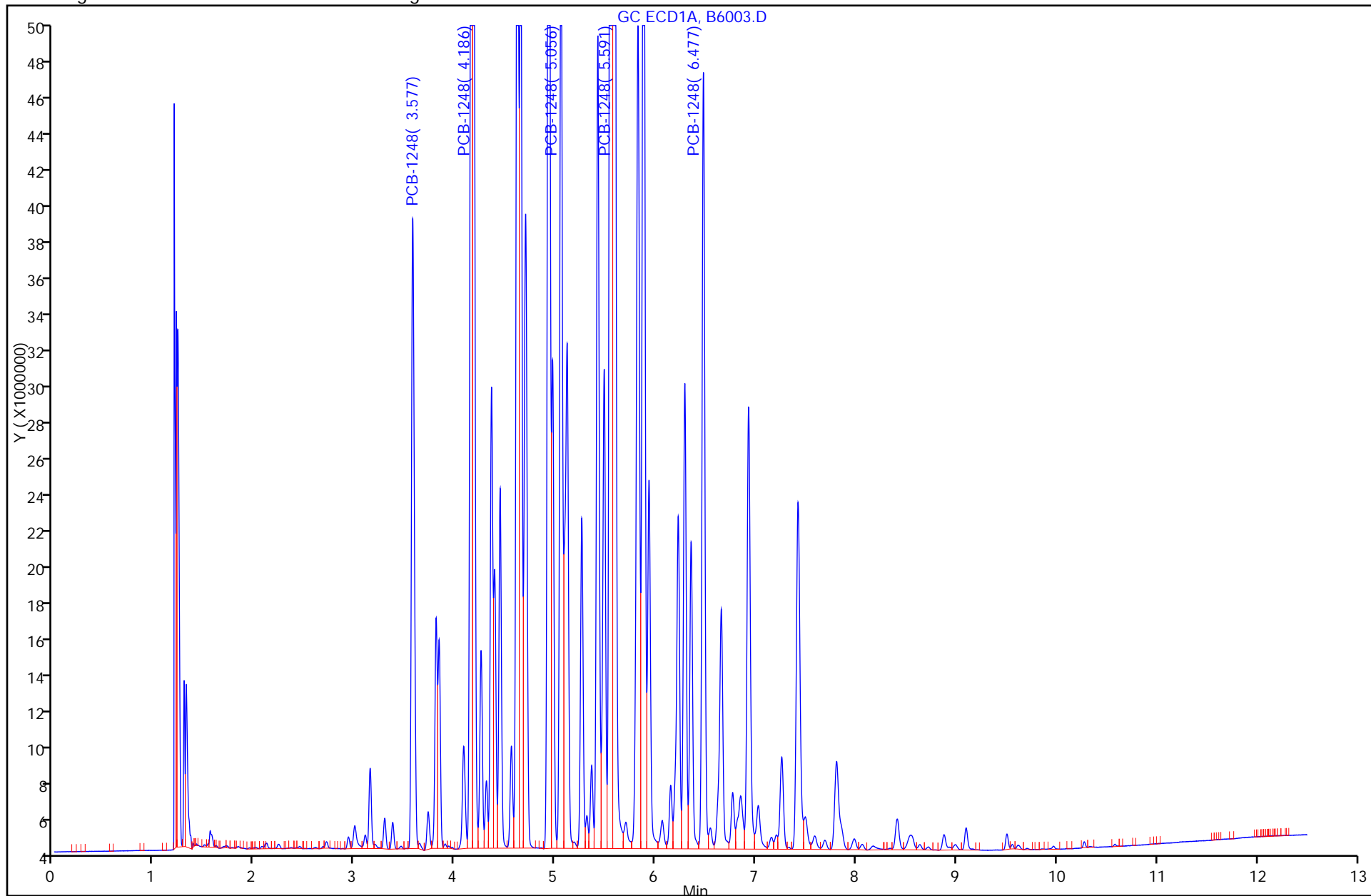
Lims Batch ID: 91178

Lims Sample ID: 13

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:41 Calibration End Date: 12/16/2011 13:41 Calibration ID: 4501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 510-91178/14	B6004.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	5.564										5.464 - 5.664	5.564
PCB-1254 Peak 2	6.303										6.203 - 6.403	6.303
PCB-1254 Peak 3	6.489										6.389 - 6.589	6.489
PCB-1254 Peak 4	6.940										6.840 - 7.040	6.940
PCB-1254 Peak 5	7.818										7.718 - 7.918	7.818

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:41 Calibration End Date: 12/16/2011 13:41 Calibration ID: 4501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 510-91178/14	B6004.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	76748				Ave		76747.6130						10.0			
PCB-1254 Peak 2	59812				Ave		59812.4035						10.0			
PCB-1254 Peak 3	121043				Ave		121042.655						10.0			
PCB-1254 Peak 4	147926				Ave		147925.623						10.0			
PCB-1254 Peak 5	133319				Ave		133319.323						10.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
 PCBS INITIAL CALIBRATION DATA
 EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1 Analy Batch No.: 91178

SDG No.: _____

Instrument ID: SGCA GC Column: 8082/608 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/16/2011 13:41 Calibration End Date: 12/16/2011 13:41 Calibration ID: 4501

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 510-91178/14	B6004.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	153495226					2000				
PCB-1254 Peak 2	Ave	119624807					2000				
PCB-1254 Peak 3	Ave	242085309					2000				
PCB-1254 Peak 4	Ave	295851245					2000				
PCB-1254 Peak 5	Ave	266638645					2000				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Lims ID: std1254 Client ID:
 Inject. Date: 16-Dec-2011 13:41:18 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 8
 Sample ID: std1254
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 14
 Lims Batch ID: 91178 Lims Sample ID: 14
 Sublist: chrom-PCBS*sub6
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111216-6084.b\PCBS.m
 Last Update: 16-Dec-2011 14:01:59 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 16-Dec-2011 14:01:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags	
9 PCB-1254										
1	1	5.564	5.564	0.000	153495226	2000.0		100.0		
1	2	6.303	6.303	0.000	119624807	2000.0	0.0- 30.0	77.9		
1	3	6.489	6.489	0.000	242085309	2000.0	0.0- 30.0	157.7		
1	4	6.940	6.940	0.000	295851245	2000.0	0.0- 30.0	192.7		
1	5	7.818	7.818	0.000	266638645	2000.0	0.0- 30.0	173.7		
		Average of Peak Amounts =				2000.0				
2	6	6.554	6.554	0.000	73826586	2000.0		100.0		
2	7	6.870	6.870	0.000	79098036	2000.0	0.0- 30.0	107.1		
2	8	7.773	7.773	0.000	135113857	2000.0	0.0- 30.0	183.0		
2	9	8.292	8.292	0.000	173460145	2000.0	0.0- 30.0	235.0		
2	10	9.233	9.233	0.000	152264022	2000.0	0.0- 30.0	206.2		
		Average of Peak Amounts =				2000.0				
						RPD = 0.00				

Report Date: 16-Dec-2011 14:02:00

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D

Injection Date: 16-Dec-2011 13:41:18

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

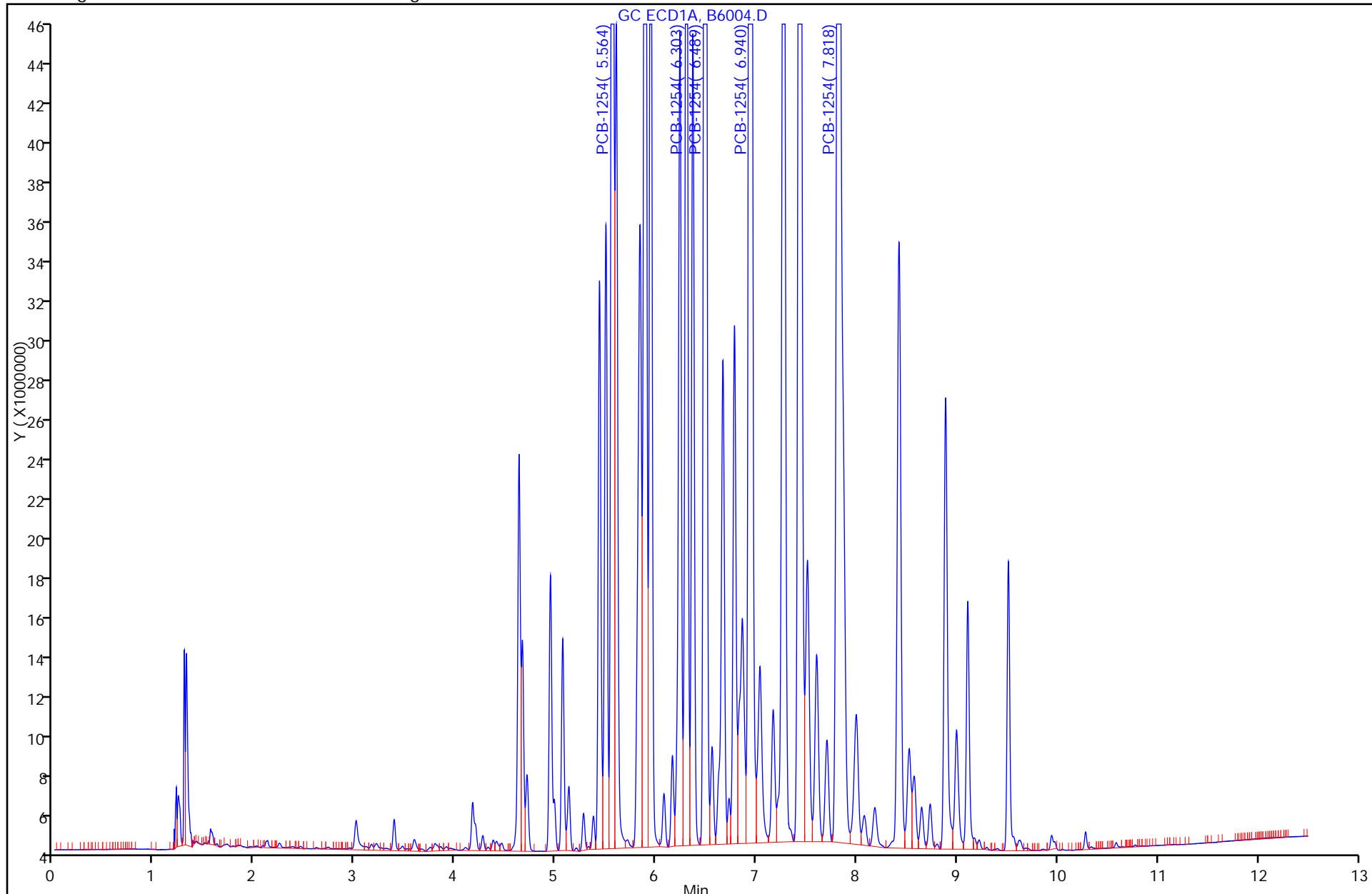
Lims Batch ID: 91178

Lims Sample ID: 14

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1500 510-91345/1 Calibration Date: 12/20/2011 12:17
 Instrument ID: SGCA Calib Start Date: 12/16/2011 10:18
 GC Column: 8082/608 ID: 0.53 (mm) Calib End Date: 12/16/2011 12:21
 Lab File ID: B6054.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Qua2		40727		1380	1500	-8.2	15.0
PCB-1016 Peak 2	Qua2		88440		1410	1500	-6.3	15.0
PCB-1016 Peak 3	Qua2		71742		1430	1500	-4.7	15.0
PCB-1016 Peak 4	Qua2		56280		1450	1500	-3.4	15.0
PCB-1016 Peak 5	Qua2		35710		1450	1500	-3.4	15.0
PCB-1260 Peak 1	Qua2		98971		1430	1500	-4.7	15.0
PCB-1260 Peak 2	Qua2		148727		1430	1500	-4.7	15.0
PCB-1260 Peak 3	Qua2		59685		1440	1500	-4.0	15.0
PCB-1260 Peak 4	Qua2		153501		1420	1500	-5.3	15.0
PCB-1260 Peak 5	Qua2		89045		1380	1500	-8.3	15.0
Dibutylchloroendate	Qua2		2174953		102	100	2.1	15.0
DCB Decachlorobiphenyl	Qua2		1494933		95.9	100	-4.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1500 510-91345/1 Calibration Date: 12/20/2011 12:17
 Instrument ID: SGCA Calib Start Date: 12/16/2011 10:18
 GC Column: 8082/608 ID: 0.53(mm) Calib End Date: 12/16/2011 12:21
 Lab File ID: B6054.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.15	3.05	3.25
PCB-1016 Peak 2	3.58	3.48	3.68
PCB-1016 Peak 3	4.36	4.26	4.46
PCB-1016 Peak 4	4.93	4.83	5.03
PCB-1016 Peak 5	5.49	5.39	5.59
PCB-1260 Peak 1	6.77	6.67	6.87
PCB-1260 Peak 2	7.26	7.16	7.36
PCB-1260 Peak 3	7.50	7.40	7.60
PCB-1260 Peak 4	7.80	7.70	7.90
PCB-1260 Peak 5	8.56	8.46	8.66
Dibutylchloroendate	9.57	9.47	9.67
DCB Decachlorobiphenyl	10.77	10.67	10.87

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6054.D
 Lims ID: ccv1500 Client ID:
 Inject. Date: 20-Dec-2011 12:17:12 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV1500
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 25
 Lims Batch ID: 91345 Lims Sample ID: 1
 Sublist: chrom-PCBS*sub13
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 12:58:54 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 12:58:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags	
4 PCB-1016										
1	1	3.152	3.152	0.000	61089779	1376.4		100.0		
1	2	3.578	3.578	0.000	132660037	1405.3	184.3- 244.3	217.2		
1	3	4.363	4.363	0.000	107613516	1429.9	142.9- 202.9	176.2		
1	4	4.934	4.934	0.000	84420369	1448.3	104.8- 164.8	138.2		
1	5	5.487	5.487	0.000	53565577	1449.1	54.6- 114.6	87.7		
		Average of Peak Amounts =				1421.8				
2	6	3.695	3.695	0.000	31559949	1361.8		100.0		
2	7	4.268	4.268	0.000	70297976	1392.5	190.3- 250.3	222.7		
2	8	5.154	5.154	0.000	54695512	1397.0	137.1- 197.1	173.3		
2	9	5.586	5.586	0.000	26442570	1458.5	46.2- 106.2	83.8		
2	10	5.878	5.878	0.000	44846657	1416.7	105.7- 165.7	142.1		
		Average of Peak Amounts =				1405.3				
		RPD = 1.17								
11 PCB-1260										
1	1	6.768	6.768	0.000	148456792	1429.7		100.0		
1	2	7.257	7.257	0.000	223091040	1430.0	119.7- 179.7	150.3		
1	3	7.495	7.495	0.000	89527235	1440.7	29.5- 89.5	60.3		
1	4	7.804	7.804	0.000	230250755	1419.8	125.1- 185.1	155.1		
1	5	8.564	8.564	0.000	133568181	1375.4	63.3- 123.3	90.0		
		Average of Peak Amounts =				1419.1				
2	6	7.841	7.841	0.000	44542256	1454.2		100.0		
2	7	8.209	8.209	0.000	86377535	1426.8	169.1- 229.1	193.9		
2	8	8.638	8.638	0.000	104125077	1400.3	216.2- 276.2	233.8		
2	9	9.359	9.359	0.000	86335190	1571.7	152.9- 212.9	193.8		
2	10	9.748	9.748	0.000	94449041	1630.5	164.1- 224.1	212.0		
		Average of Peak Amounts =				1496.7				
		RPD = 5.32								

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.571	9.571	0.000	217495349	102.1			
2	2	10.262	10.262	0.000	76727883	100.6			
							RPD = 1.49		

\$ 2 DCB Decachlorobiphenyl

1	1	10.773	10.773	0.000	149493318	95.9			
2	2	11.583	11.583	0.000	95116416	98.7			
							RPD = 2.93		

Report Date: 20-Dec-2011 12:58:54

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6054.D

Injection Date: 20-Dec-2011 12:17:12

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

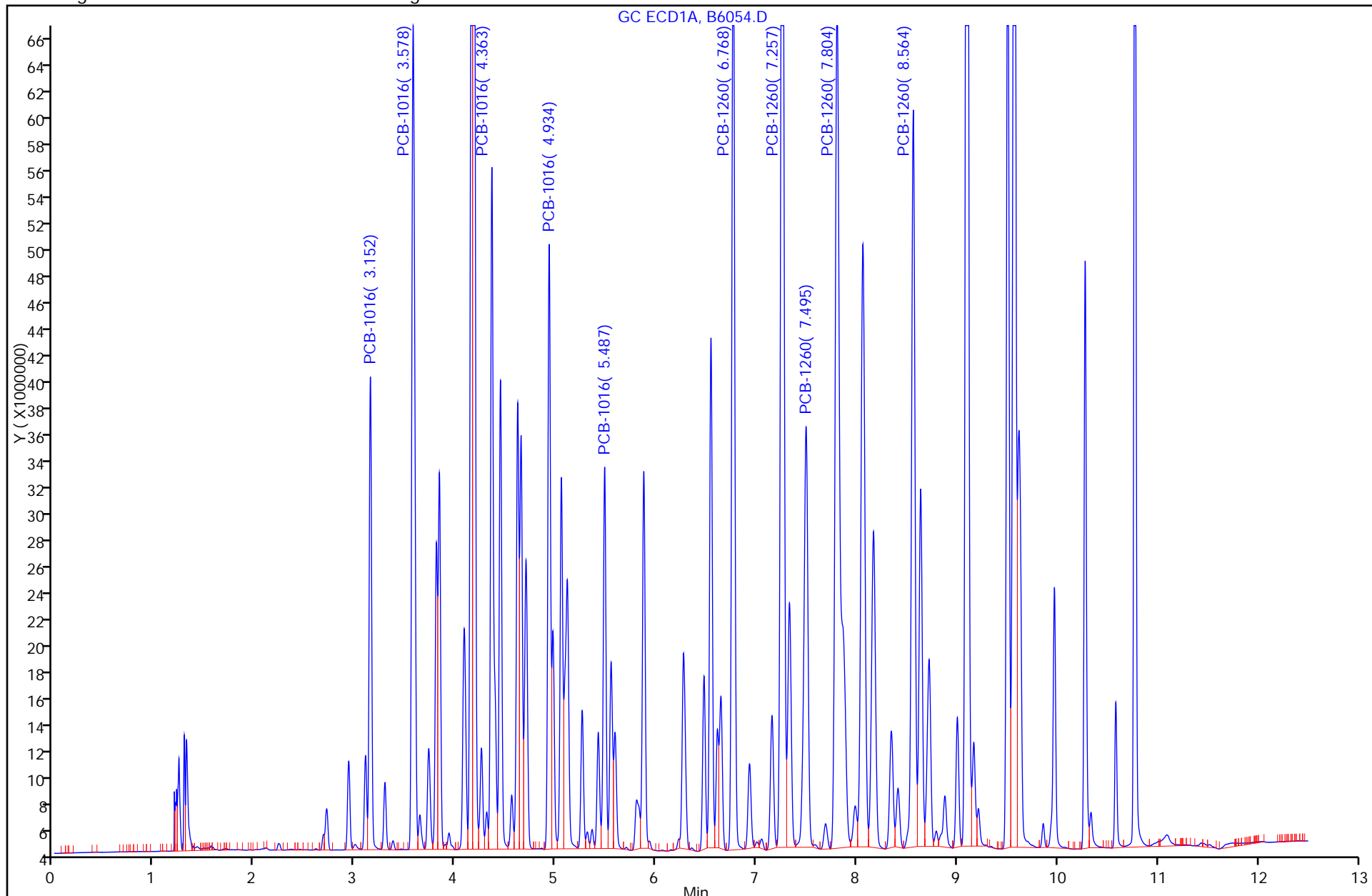
Lims Batch ID: 91345

Lims Sample ID: 1

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1242 510-91345/2 Calibration Date: 12/20/2011 12:32
 Instrument ID: SGCA Calib Start Date: 12/16/2011 13:07
 GC Column: 8082/608 ID: 0.53 (mm) Calib End Date: 12/16/2011 13:07
 Lab File ID: B6055.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Ave	36029	33585		1860	2000	-6.8	15.0
PCB-1242 Peak 2	Ave	75353	71768		1900	2000	-4.8	15.0
PCB-1242 Peak 3	Ave	36446	34033		1870	2000	-6.6	15.0
PCB-1242 Peak 4	Ave	33117	31411		1900	2000	-5.2	15.0
PCB-1242 Peak 5	Ave	44347	42385		1910	2000	-4.4	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1242 510-91345/2 Calibration Date: 12/20/2011 12:32
 Instrument ID: SGCA Calib Start Date: 12/16/2011 13:07
 GC Column: 8082/608 ID: 0.53(mm) Calib End Date: 12/16/2011 13:07
 Lab File ID: B6055.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1242 Peak 1	3.15	3.05	3.25
PCB-1242 Peak 2	3.58	3.48	3.68
PCB-1242 Peak 3	4.45	4.35	4.55
PCB-1242 Peak 4	5.11	5.01	5.21
PCB-1242 Peak 5	5.59	5.49	5.69

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6055.D
 Lims ID: ccv1242 Client ID:
 Inject. Date: 20-Dec-2011 12:32:26 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV1242
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 91345 Lims Sample ID: 2
 Sublist: chrom-PCBS*sub4
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 12:59:05 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 12:59:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
10 PCB-1242									
1	1	3.152	3.152	0.000	67169798	1864.3		100.0	
1	2	3.578	3.578	0.000	143536297	1904.9	0.0- 30.0	213.7	
1	3	4.448	4.448	0.000	68066151	1867.6	0.0- 30.0	101.3	
1	4	5.113	5.113	0.000	62822832	1897.0	0.0- 30.0	93.5	
1	5	5.590	5.590	0.000	84770274	1911.5	0.0- 30.0	126.2	
Average of Peak Amounts =						1889.1			
2	6	3.693	3.693	0.000	34878707	1900.5		100.0	
2	7	4.267	4.267	0.000	76077027	1907.5	0.0- 30.0	218.1	
2	8	5.153	5.153	0.000	58562323	1879.5	0.0- 30.0	167.9	
2	9	6.549	6.549	0.000	55232660	1878.5	0.0- 30.0	158.4	
2	10	6.936	6.936	0.000	54149578	1863.0	0.0- 30.0	155.3	
Average of Peak Amounts =						1885.8			
						RPD = 0.17			

Report Date: 20-Dec-2011 12:59:05

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6055.D

Injection Date: 20-Dec-2011 12:32:26

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

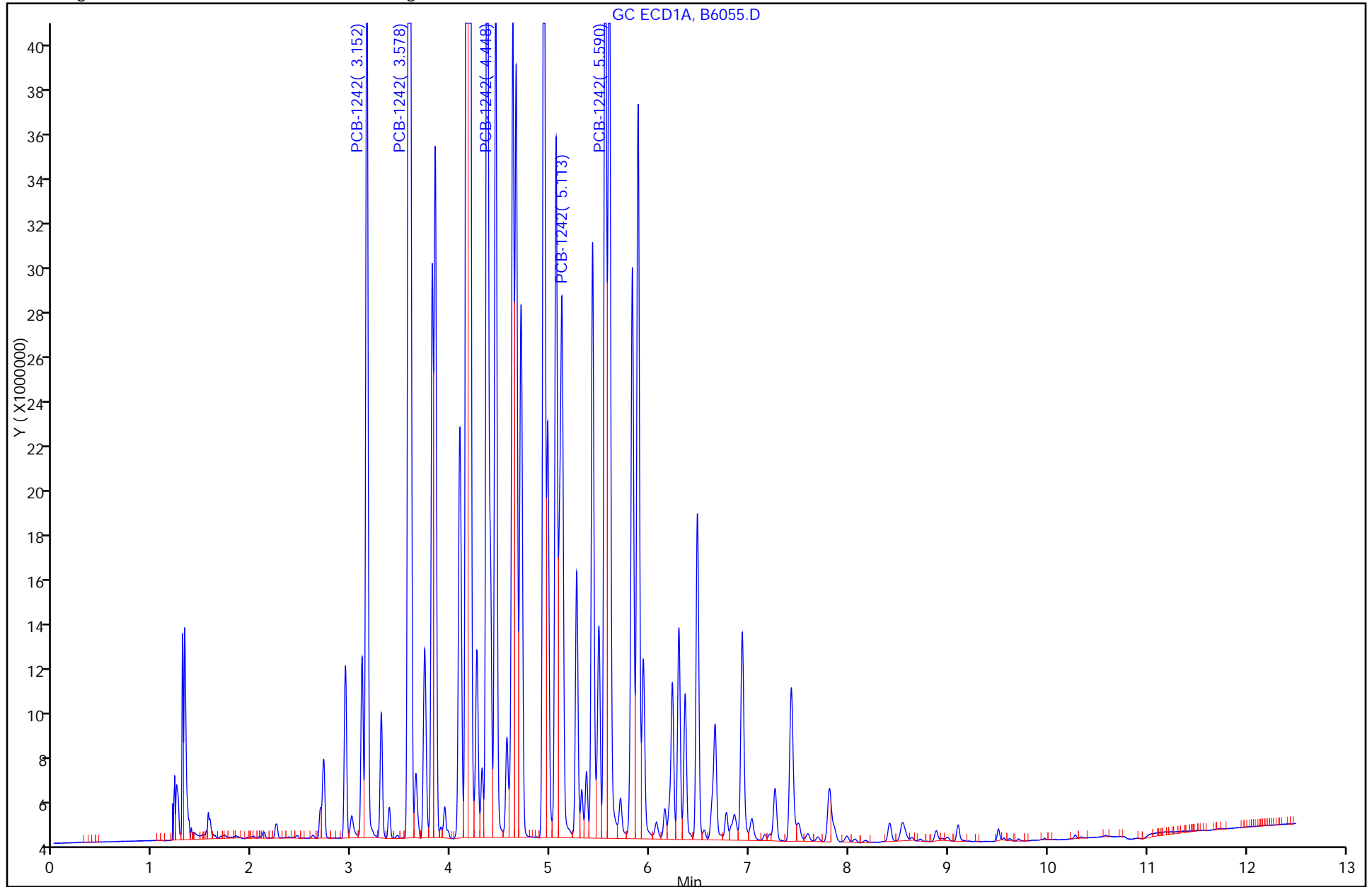
Lims Batch ID: 91345

Lims Sample ID: 2

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1248 510-91345/3 Calibration Date: 12/20/2011 12:47
 Instrument ID: SGCA Calib Start Date: 12/16/2011 13:22
 GC Column: 8082/608 ID: 0.53 (mm) Calib End Date: 12/16/2011 13:22
 Lab File ID: B6056.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Ave	34849	34224		1960	2000	-1.8	15.0
PCB-1248 Peak 2	Ave	44360	43349		1950	2000	-2.3	15.0
PCB-1248 Peak 3	Ave	50888	49991		1960	2000	-1.8	15.0
PCB-1248 Peak 4	Ave	72192	69964		1940	2000	-3.1	15.0
PCB-1248 Peak 5	Ave	41412	40383		1950	2000	-2.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1248 510-91345/3 Calibration Date: 12/20/2011 12:47
 Instrument ID: SGCA Calib Start Date: 12/16/2011 13:22
 GC Column: 8082/608 ID: 0.53 (mm) Calib End Date: 12/16/2011 13:22
 Lab File ID: B6056.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1248 Peak 1	3.58	3.48	3.68
PCB-1248 Peak 2	4.18	4.08	4.28
PCB-1248 Peak 3	5.06	4.96	5.16
PCB-1248 Peak 4	5.59	5.49	5.69
PCB-1248 Peak 5	6.48	6.38	6.58

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6056.D
 Lims ID: ccv1248 Client ID:
 Inject. Date: 20-Dec-2011 12:47:33 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV1248
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 91345 Lims Sample ID: 3
 Sublist: chrom-PCBS*sub5
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 13:29:15 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 13:29:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	3.576	3.576	0.000	68448988	1964.2		100.0	
1	2	4.184	4.184	0.000	86698549	1954.4	0.0- 30.0	126.7	
1	3	5.055	5.055	0.000	99982409	1964.7	0.0- 30.0	146.1	
1	4	5.589	5.589	0.000	139927957	1938.3	0.0- 30.0	204.4	
1	5	6.476	6.476	0.000	80766185	1950.3	0.0- 30.0	118.0	
Average of Peak Amounts =						1954.4			
2	6	4.267	4.267	0.000	36947414	1939.0		100.0	
2	7	5.149	5.149	0.000	32509370	1899.1	0.0- 30.0	88.0	
2	8	5.877	5.877	0.000	78630596	1925.8	0.0- 30.0	212.8	
2	9	6.548	6.548	0.000	98871134	1906.1	0.0- 30.0	267.6	
2	10	6.936	6.936	0.000	92720494	1891.2	0.0- 30.0	251.0	
Average of Peak Amounts =						1912.2			
						RPD = 2.18			

Report Date: 20-Dec-2011 13:29:15

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6056.D

Injection Date: 20-Dec-2011 12:47:33

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

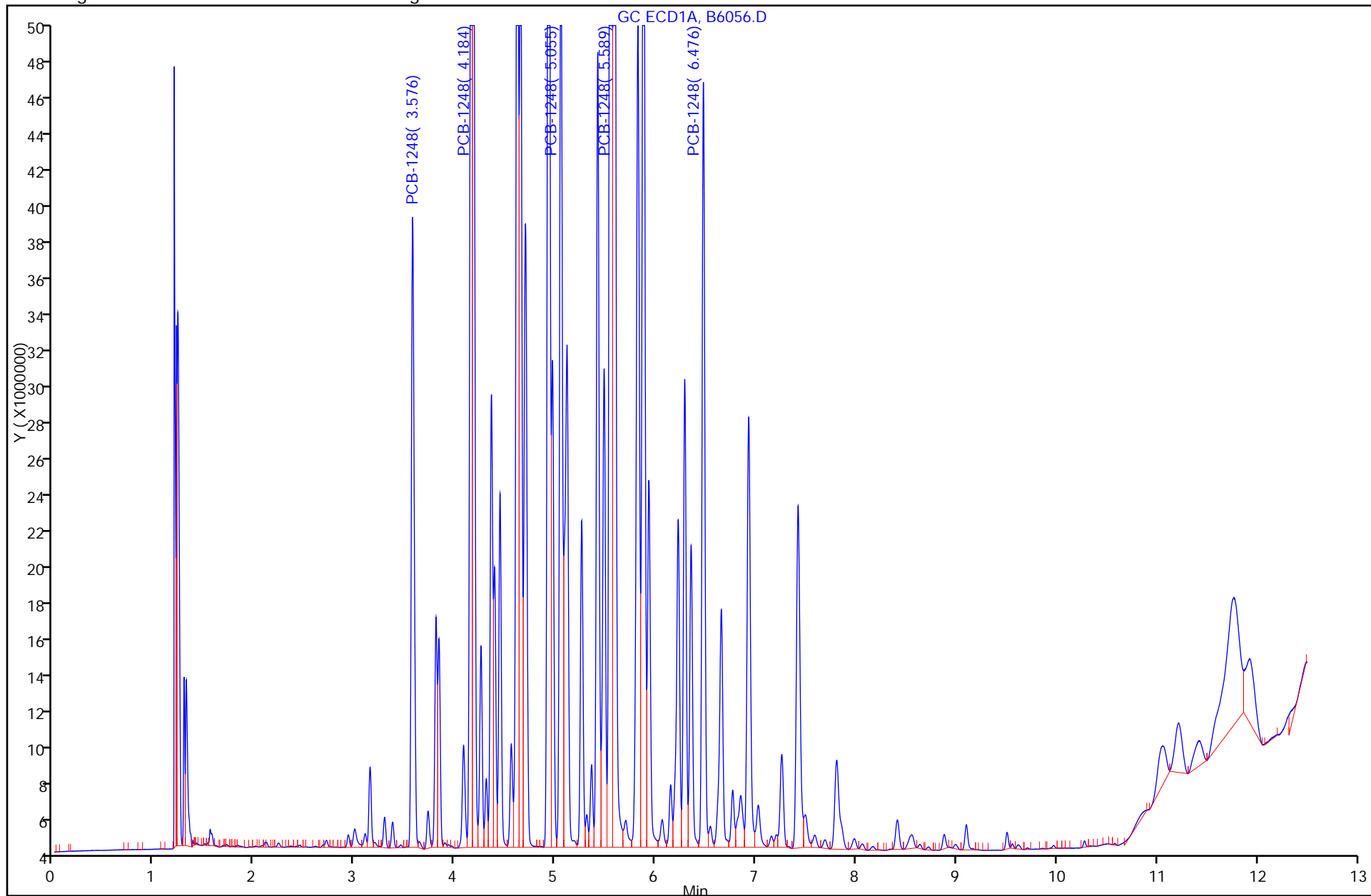
Lims Batch ID: 91345

Lims Sample ID: 3

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1254 510-91345/4 Calibration Date: 12/20/2011 13:02
 Instrument ID: SGCA Calib Start Date: 12/16/2011 13:41
 GC Column: 8082/608 ID: 0.53 (mm) Calib End Date: 12/16/2011 13:41
 Lab File ID: B6057.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Ave	76748	74823		1950	2000	-2.5	15.0
PCB-1254 Peak 2	Ave	59812	59468		1990	2000	-0.6	15.0
PCB-1254 Peak 3	Ave	121043	119832		1980	2000	-1.0	15.0
PCB-1254 Peak 4	Ave	147926	145510		1970	2000	-1.6	15.0
PCB-1254 Peak 5	Ave	133319	132414		1990	2000	-0.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1254 510-91345/4 Calibration Date: 12/20/2011 13:02
 Instrument ID: SGCA Calib Start Date: 12/16/2011 13:41
 GC Column: 8082/608 ID: 0.53 (mm) Calib End Date: 12/16/2011 13:41
 Lab File ID: B6057.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1254 Peak 1	5.55	5.45	5.65
PCB-1254 Peak 2	6.29	6.19	6.39
PCB-1254 Peak 3	6.48	6.38	6.58
PCB-1254 Peak 4	6.93	6.83	7.03
PCB-1254 Peak 5	7.81	7.71	7.91

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6057.D
 Lims ID: ccv1254 Client ID:
 Inject. Date: 20-Dec-2011 13:02:55 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: CCV1254
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 3
 Lims Batch ID: 91345 Lims Sample ID: 4
 Sublist: chrom-PCBS*sub6
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 13:29:28 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 13:29:28

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
9 PCB-1254									
1	1	5.553	5.553	0.000	149645499	1949.8		100.0	
1	2	6.293	6.293	0.000	118936975	1988.5	0.0- 30.0	79.5	
1	3	6.479	6.479	0.000	239663575	1980.0	0.0- 30.0	160.2	
1	4	6.930	6.930	0.000	291020129	1967.3	0.0- 30.0	194.5	
1	5	7.809	7.809	0.000	264827264	1986.4	0.0- 30.0	177.0	
Average of Peak Amounts =						1974.4			
2	6	6.547	6.547	0.000	72339290	1959.7		100.0	
2	7	6.863	6.863	0.000	77409090	1957.3	0.0- 30.0	107.0	
2	8	7.765	7.765	0.000	131886080	1952.2	0.0- 30.0	182.3	
2	9	8.286	8.286	0.000	170150536	1961.8	0.0- 30.0	235.2	
2	10	9.229	9.229	0.000	148193699	1946.5	0.0- 30.0	204.9	
Average of Peak Amounts =						1955.5			
RPD = 0.96									

Report Date: 20-Dec-2011 13:29:28

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6057.D

Injection Date: 20-Dec-2011 13:02:55

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

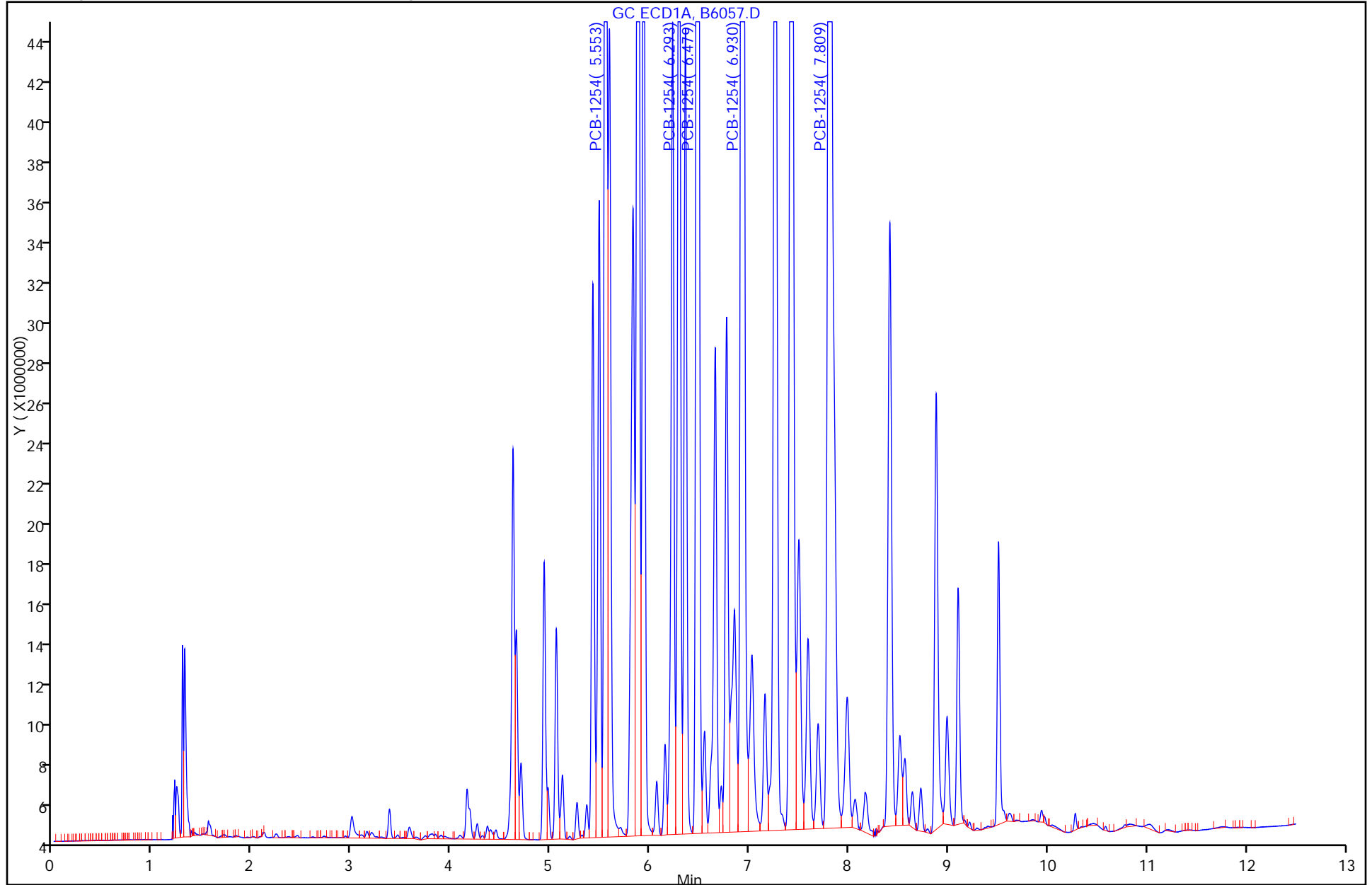
Lims Batch ID: 91345

Lims Sample ID: 4

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1000 510-91345/18 Calibration Date: 12/20/2011 16:36
 Instrument ID: SGCA Calib Start Date: 12/16/2011 10:18
 GC Column: 8082/608 ID: 0.53 (mm) Calib End Date: 12/16/2011 12:21
 Lab File ID: B6071.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Qua2		42282		927	1000	-7.3	15.0
PCB-1016 Peak 2	Qua2		90839		934	1000	-6.6	15.0
PCB-1016 Peak 3	Qua2		73526		963	1000	-3.7	15.0
PCB-1016 Peak 4	Qua2		57420		971	1000	-2.9	15.0
PCB-1016 Peak 5	Qua2		36394		966	1000	-3.4	15.0
PCB-1260 Peak 1	Qua2		99670		944	1000	-5.6	15.0
PCB-1260 Peak 2	Qua2		149819		951	1000	-4.9	15.0
PCB-1260 Peak 3	Qua2		60943		981	1000	-1.9	15.0
PCB-1260 Peak 4	Qua2		155980		956	1000	-4.5	15.0
PCB-1260 Peak 5	Qua2		93790		957	1000	-4.3	15.0
Dibutylchloredate	Qua2		1923309		92.4	100	-7.6	15.0
DCB Decachlorobiphenyl	Qua2		1469530		94.3	100	-5.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Lab Sample ID: CCV1000 510-91345/18 Calibration Date: 12/20/2011 16:36
 Instrument ID: SGCA Calib Start Date: 12/16/2011 10:18
 GC Column: 8082/608 ID: 0.53(mm) Calib End Date: 12/16/2011 12:21
 Lab File ID: B6071.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.15	3.05	3.25
PCB-1016 Peak 2	3.58	3.48	3.68
PCB-1016 Peak 3	4.36	4.26	4.46
PCB-1016 Peak 4	4.93	4.83	5.03
PCB-1016 Peak 5	5.49	5.39	5.59
PCB-1260 Peak 1	6.77	6.67	6.87
PCB-1260 Peak 2	7.26	7.16	7.36
PCB-1260 Peak 3	7.50	7.40	7.60
PCB-1260 Peak 4	7.80	7.70	7.90
PCB-1260 Peak 5	8.56	8.46	8.66
Dibutylchloroendate	9.57	9.47	9.67
DCB Decachlorobiphenyl	10.77	10.67	10.87

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6071.D
 Lims ID: ccv1000 Client ID:
 Inject. Date: 20-Dec-2011 16:36:39 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID: ccv1000
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 24
 Lims Batch ID: 91345 Lims Sample ID: 18
 Sublist: chrom-PCBS*sub13
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 16:51:02 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:51:02

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.152	3.152	0.000	42282316	926.9		100.0	
1	2	3.577	3.577	0.000	90838569	934.2	184.3- 244.3	214.8	
1	3	4.362	4.362	0.000	73526191	963.3	142.9- 202.9	173.9	
1	4	4.933	4.933	0.000	57420417	970.8	104.8- 164.8	135.8	
1	5	5.486	5.486	0.000	36393517	966.3	54.6- 114.6	86.1	
Average of Peak Amounts =						952.3			
2	6	3.693	3.693	0.000	21900936	915.8		100.0	
2	7	4.267	4.267	0.000	48989462	938.3	190.3- 250.3	223.7	
2	8	5.153	5.153	0.000	37259229	918.9	137.1- 197.1	170.1	
2	9	5.585	5.585	0.000	17204030	914.1	46.2- 106.2	78.6	
2	10	5.878	5.878	0.000	30428234	931.4	105.7- 165.7	138.9	
Average of Peak Amounts =						923.7			

RPD = 3.05

11 PCB-1260

1	1	6.769	6.769	0.000	99670154	943.7		100.0	
1	2	7.258	7.258	0.000	149818826	950.9	119.7- 179.7	150.3	
1	3	7.495	7.495	0.000	60943455	981.0	29.5- 89.5	61.1	
1	4	7.804	7.804	0.000	155980299	955.5	125.1- 185.1	156.5	
1	5	8.563	8.563	0.000	93789905	956.9	63.3- 123.3	94.1	
Average of Peak Amounts =						957.6			
2	6	7.840	7.840	0.000	29697279	950.7		100.0	
2	7	8.209	8.209	0.000	58612506	942.6	169.1- 229.1	197.4	
2	8	8.638	8.638	0.000	70780831	924.1	216.2- 276.2	238.3	
2	9	9.358	9.358	0.000	54097021	965.6	152.9- 212.9	182.2	
2	10	9.748	9.748	0.000	56594684	939.4	164.1- 224.1	190.6	
Average of Peak Amounts =						944.5			

RPD = 1.38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.573	9.573	0.000	192330939	92.4			
2	2	10.262	10.262	0.000	73028278	96.2			
						RPD = 3.95			

\$ 2 DCB Decachlorobiphenyl

1	1	10.773	10.773	0.000	146953003	94.3			
2	2	11.583	11.583	0.000	89068177	92.6			
						RPD = 1.78			

Report Date: 20-Dec-2011 16:51:03

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6071.D

Injection Date: 20-Dec-2011 16:36:39

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

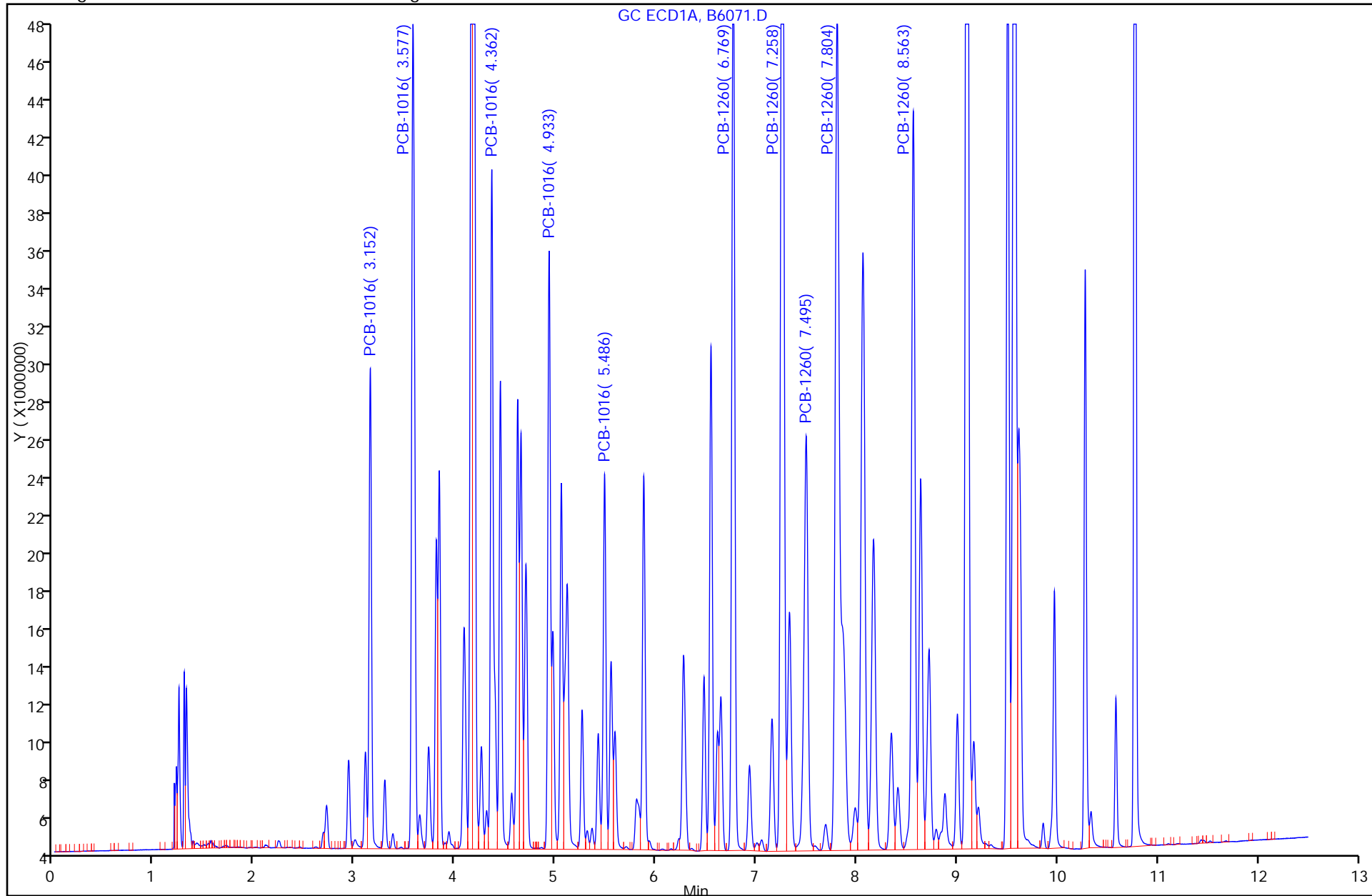
Lims Batch ID: 91345

Lims Sample ID: 18

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 510-91321/1-A
 Matrix: Solid Lab File ID: B6058.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15(g) Date Analyzed: 12/20/2011 13:18
 Con. Extract Vol.: 5(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	<0.020		0.020	0.0023
11104-28-2	PCB-1221	<0.020		0.020	0.0066
11141-16-5	PCB-1232	<0.020		0.020	0.0014
53469-21-9	PCB-1242	<0.020		0.020	0.0038
12672-29-6	PCB-1248	<0.020		0.020	0.0035
11097-69-1	PCB-1254	<0.020		0.020	0.0032
11096-82-5	PCB-1260	<0.020		0.020	0.0016

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	77		14-147
1770-80-5	Dibutylchloredate	59		10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6058.D
 Lims ID: MB 510-91321/1-A Client ID:
 Inject. Date: 20-Dec-2011 13:18:20 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: mb 510-91321/1-a
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 91345 Lims Sample ID: 5
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 13:29:28 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 13:55:55

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 1 Tetrachloro-m-xylene

1	1	0.045	0.0	0.045	22198	0			
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8 Polychlorinated biphenyls, Total

1	1	0.0							1
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5 PCB-1221

1	1	2.239							
1	2	2.936							
1	3	3.103							
1	4	3.151							
1	5	4.362							
2	6	2.496							
2	7	2.922							
2	8	3.418							
2	9	3.611							
2	10	3.695							

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6058.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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7 PCB-1232

1	1		2.936						
1	2		3.152						
1	3		3.579						
1	4		4.364						
1	5		4.449						
2	6		2.496						
2	7		3.695						
2	8		4.269						
2	9		5.154						
2	10		5.879						

10 PCB-1242

1	1		3.152						
1	2		3.578						
1	3		4.448						
1	4		5.113						
1	5		5.590						
2	6		3.693						
2	7		4.267						
2	8		5.153						
2	9		6.549						
2	10		6.936						

4 PCB-1016

1	1		3.152						
1	2		3.578						
1	3		4.363						
1	4		4.934						
1	5		5.487						
2	6		3.695						
2	7		4.268						
2	8		5.154						
2	9		5.586						
2	10		5.878						

6 PCB-1248

1	1		3.576						
1	2		4.184						
1	3		5.055						
1	4		5.589						
1	5		6.476						
2	6		4.267						
2	7		5.149						
2	8		5.877						
2	9		6.548						
2	10		6.936						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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9 PCB-1254

1	1	5.553
1	2	6.293
1	3	6.479
1	4	6.930
1	5	7.809
2	6	6.547
2	7	6.863
2	8	7.765
2	9	8.286
2	10	9.229

11 PCB-1260

1	1	6.768
1	2	7.257
1	3	7.495
1	4	7.804
1	5	8.564
2	6	7.841
2	7	8.209
2	8	8.638
2	9	9.359
2	10	9.748

\$ 3 Dibutylchloredate

1	1	9.575	9.571	0.004	114181924	59.4
2	2	10.262	10.262	0.000	58431258	78.3

RPD = 27.49

\$ 2 DCB Decachlorobiphenyl

1	1	10.774	10.773	0.001	119959785	77.1
2	2	11.584	11.583	0.001	72135246	75.3

RPD = 2.47

QC Flag Legend

Processing Flags

1 - Missing Peaks

Report Date: 20-Dec-2011 13:55:56

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6058.D

Injection Date: 20-Dec-2011 13:18:20

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

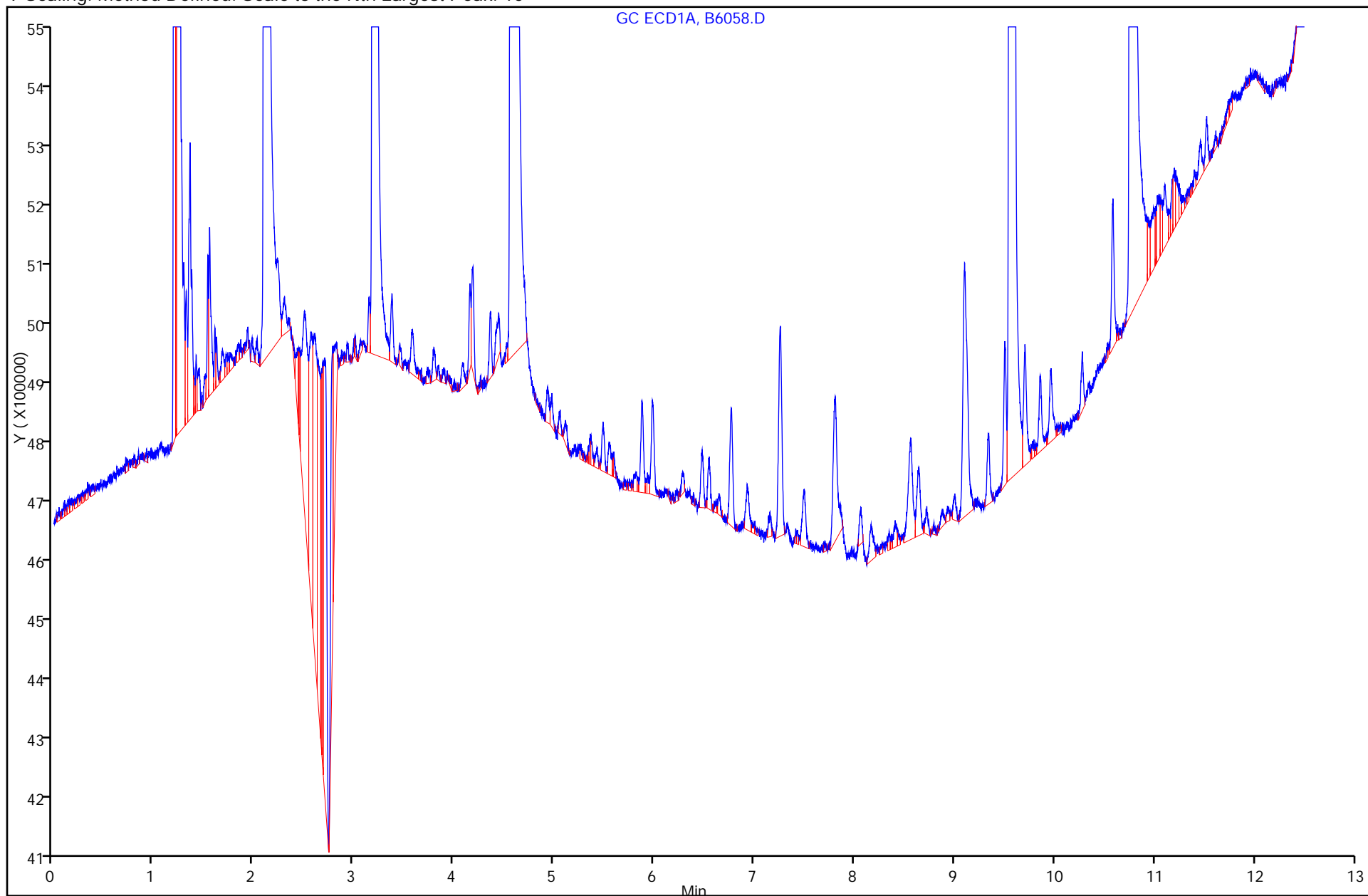
Lims Batch ID: 91345

Lims Sample ID: 5

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 510-91321/2-A
 Matrix: Solid Lab File ID: B6059.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15(g) Date Analyzed: 12/20/2011 13:33
 Con. Extract Vol.: 5(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.296		0.020	0.0023
11096-82-5	PCB-1260	0.303		0.020	0.0016

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		14-147
1770-80-5	Dibutylchloredate	70		10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6059.D

Lims ID: LCS 510-91321/2-A Client ID:
Inject. Date: 20-Dec-2011 13:33:34 Dil. Factor: 1.0000

Sample Type: LCS
Sample ID: lcs 510-91321/2-a

Misc. Info.:
Operator: Instrument ID: SGCA
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 91345 Lims Sample ID: 6

Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
Last Update: 20-Dec-2011 13:29:28 Calib Date: 16-Dec-2011 13:41:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
Limit Group: SGC - 1 - 8082 CAL
Integrator: Falcon
Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 13:56:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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4 PCB-1016

1	1	3.152	3.152	0.000	37834158	824.0		100.0	
1	2	3.577	3.578	-0.001	86451712	886.3	184.3- 244.3	228.5	
1	3	4.363	4.363	0.000	70842676	927.0	142.9- 202.9	187.2	
1	4	4.934	4.934	0.000	53813143	907.9	104.8- 164.8	142.2	
1	5	5.487	5.487	0.000	33839255	895.8	54.6- 114.6	89.4	
Average of Peak Amounts =						888.2			
2	6	3.694	3.695	-0.001	20375482	847.7		100.0	
2	7	4.267	4.268	-0.001	46661831	890.5	190.3- 250.3	229.0	
2	8	5.154	5.154	0.000	36185408	890.4	137.1- 197.1	177.6	
2	9	5.587	5.586	0.001	17676343	941.0	46.2- 106.2	86.8	
2	10	5.878	5.878	0.000	29593856	904.3	105.7- 165.7	145.2	
Average of Peak Amounts =						894.8			

RPD = 0.74

11 PCB-1260

1	1	6.770	6.768	0.002	94824960	896.2		100.0	
1	2	7.258	7.257	0.001	146426192	928.9	119.7- 179.7	154.4	
1	3	7.496	7.495	0.001	58018064	933.8	29.5- 89.5	61.2	
1	4	7.806	7.804	0.002	159435454	977.0	125.1- 185.1	168.1	
1	5	8.563	8.564	-0.001	79623446	809.1	63.3- 123.3	84.0	
Average of Peak Amounts =						909.0			
2	6	7.841	7.841	0.000	25752032	819.7		100.0	
2	7	8.209	8.209	0.000	52748016	843.3	169.1- 229.1	204.8	
2	8	8.637	8.638	-0.001	67013070	871.9	216.2- 276.2	260.2	
2	9	9.357	9.359	-0.002	41218967	729.1	152.9- 212.9	160.1	
2	10	9.748	9.748	0.000	49006016	806.8	164.1- 224.1	190.3	
Average of Peak Amounts =						814.2			

RPD = 11.01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.572	9.571	0.001	138606204	70.3			
2	2	10.262	10.262	0.000	52708830	71.1			
							RPD = 1.18		

\$ 2 DCB Decachlorobiphenyl

1	1	10.773	10.773	0.000	133780119	85.9			
2	2	11.583	11.583	0.000	81742769	85.1			
							RPD = 0.94		

Report Date: 20-Dec-2011 13:56:15

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6059.D

Injection Date: 20-Dec-2011 13:33:34

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

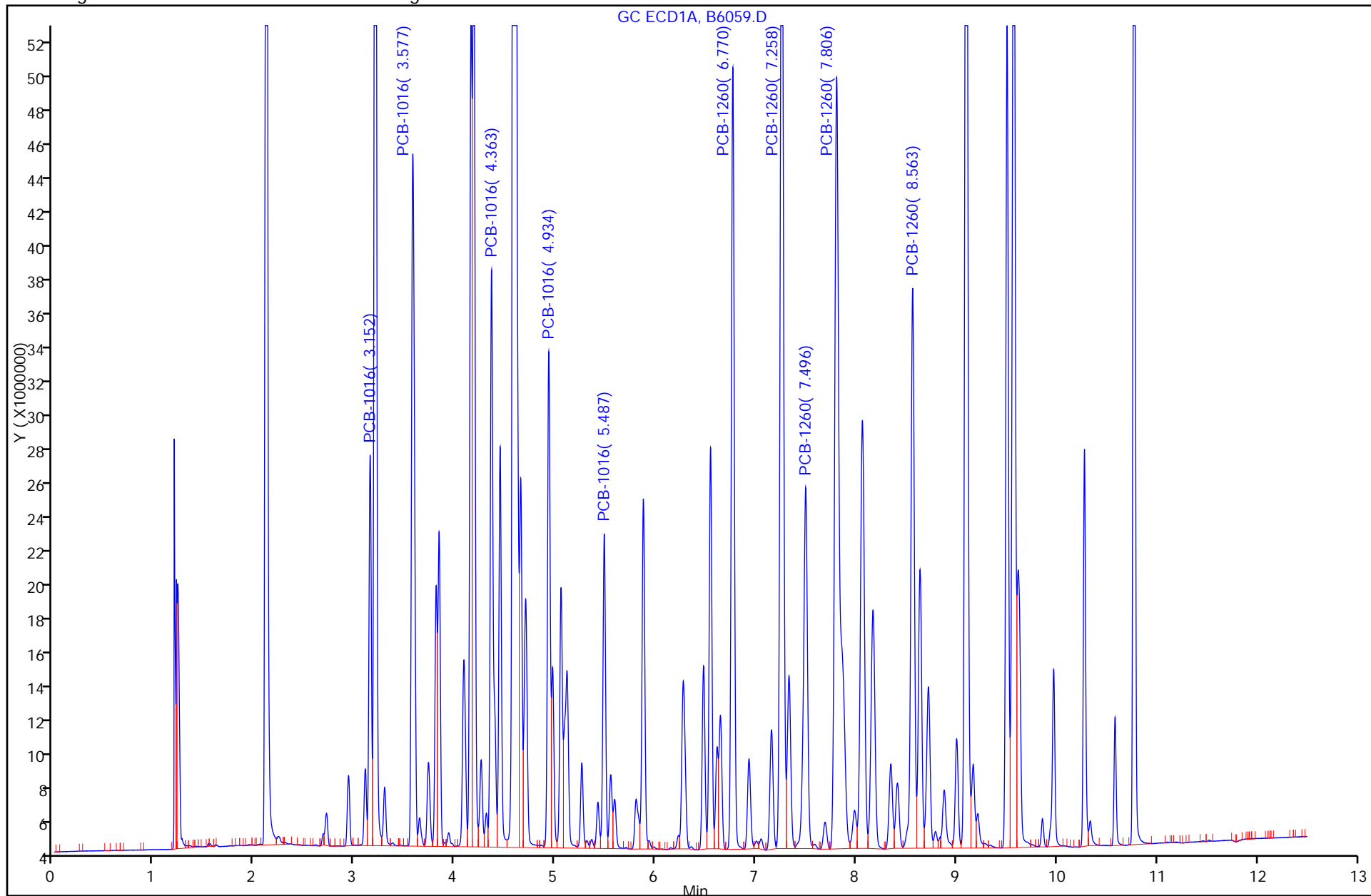
Lims Batch ID: 91345

Lims Sample ID: 6

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRC-4@16' MS DL Lab Sample ID: 510-73586-1 MS DL
 Matrix: Solid Lab File ID: B6065.D
 Analysis Method: 8082 Date Collected: 12/19/2011 12:00
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15.36(g) Date Analyzed: 12/20/2011 15:05
 Con. Extract Vol.: 5(mL) Dilution Factor: 10
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: 5.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.278		0.21	0.023
11096-82-5	PCB-1260	0.279		0.21	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D	14-147
1770-80-5	Dibutylchloredate	0	D	10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6065.D
 Lims ID: 510-73586-A-1-B MS Client ID:
 Inject. Date: 20-Dec-2011 15:05:15 Dil. Factor: 10.0000
 Sample Type: MS
 Sample ID: 510-73586-a-1-b ms
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 91345 Lims Sample ID: 12
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 13:29:28 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:44:15

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
4 PCB-1016									
1	1	3.153	3.152	0.001	3793729	74.1		100.0	
1	2	3.579	3.578	0.001	8767980	79.5	184.3- 244.3	231.1	
1	3	4.365	4.363	0.002	7069218	82.7	142.9- 202.9	186.3	
1	4	4.935	4.934	0.001	5463111	83.8	104.8- 164.8	144.0	
1	5	5.489	5.487	0.002	3501527	82.3	54.6- 114.6	92.3	
Average of Peak Amounts =						80.5			
2	6	3.695	3.695	0.000	2208859	79.6		100.0	
2	7	4.268	4.268	0.000	5120921	85.7	190.3- 250.3	231.8	
2	8	5.155	5.154	0.001	3881119	80.1	137.1- 197.1	175.7	
2	9	5.586	5.586	0.000	1857816	88.3	46.2- 106.2	84.1	
2	10	5.880	5.878	0.002	3107738	84.1	105.7- 165.7	140.7	
Average of Peak Amounts =						83.6			
						RPD = 3.75			
11 PCB-1260									
1	1	6.771	6.768	0.003	9609568	81.6		100.0	
1	2	7.260	7.257	0.003	14440182	83.3	119.7- 179.7	150.3	
1	3	7.498	7.495	0.003	5631466	84.4	29.5- 89.5	58.6	
1	4	7.806	7.804	0.002	15292568	85.4	125.1- 185.1	159.1	
1	5	8.566	8.564	0.002	7770346	69.6	63.3- 123.3	80.9	
Average of Peak Amounts =						80.8			
2	6	7.841	7.841	0.000	2640561	73.7		100.0	
2	7	8.209	8.209	0.000	5643347	79.0	169.1- 229.1	213.7	
2	8	8.639	8.638	0.001	7219790	81.7	216.2- 276.2	273.4	
2	9	9.359	9.359	0.000	4362933	68.4	152.9- 212.9	165.2	
2	10	9.748	9.748	0.000	5269668	75.6	164.1- 224.1	199.6	
Average of Peak Amounts =						75.7			
						RPD = 6.60			

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6065.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchloroendate

1	1	9.571
2	2	10.262

\$ 2 DCB Decachlorobiphenyl

1	1	10.773
2	2	11.583

Report Date: 20-Dec-2011 16:44:16

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6065.D

Injection Date: 20-Dec-2011 15:05:15

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

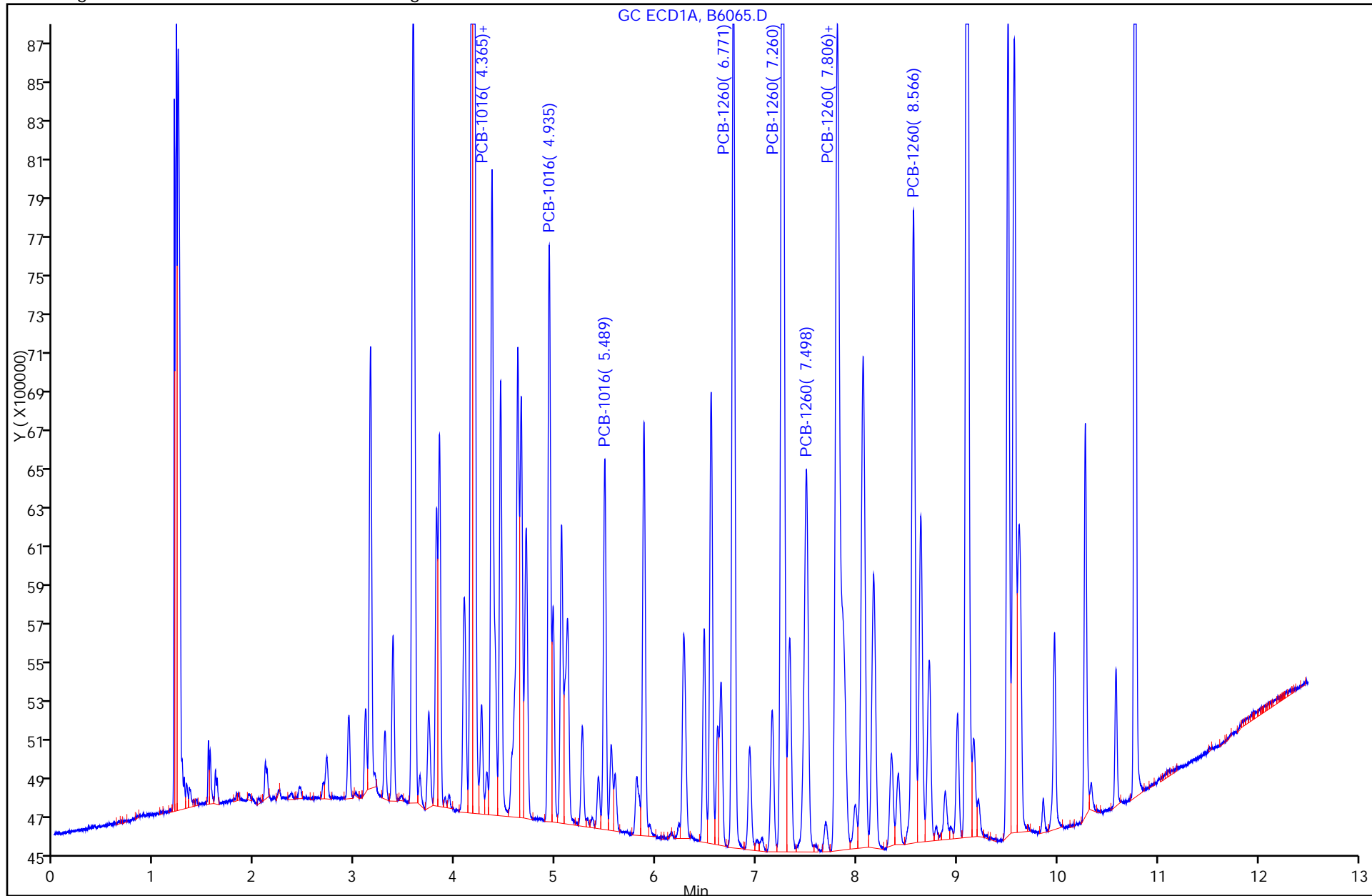
Lims Batch ID: 91345

Lims Sample ID: 12

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1
 SDG No.: _____
 Client Sample ID: TRC-4@16' MSD DL Lab Sample ID: 510-73586-1 MSD DL
 Matrix: Solid Lab File ID: B6066.D
 Analysis Method: 8082 Date Collected: 12/19/2011 12:00
 Extraction Method: 3546 Date Extracted: 12/20/2011 08:12
 Sample wt/vol: 15.62(g) Date Analyzed: 12/20/2011 15:20
 Con. Extract Vol.: 5(mL) Dilution Factor: 10
 Injection Volume: 1(uL) GC Column: 8082/608 ID: 0.53(mm)
 % Moisture: 5.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 91345 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.299		0.20	0.023
11096-82-5	PCB-1260	0.295		0.20	0.017

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D	14-147
1770-80-5	Dibutylchloredate	0	D	10-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6066.D
 Lims ID: 510-73586-A-1-C MSD Client ID:
 Inject. Date: 20-Dec-2011 15:20:23 Dil. Factor: 10.0000
 Sample Type: MSD
 Sample ID: 510-73586-a-1-c msd
 Misc. Info.:
 Operator: Instrument ID: SGCA
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 91345 Lims Sample ID: 13
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\valsvr08\ChromData\SGCA\20111220-6100.b\PCBS.m
 Last Update: 20-Dec-2011 13:29:28 Calib Date: 16-Dec-2011 13:41:18
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\valsvr08\ChromData\SGCA\20111216-6084.b\B6004.D
 Limit Group: SGC - 1 - 8082 CAL
 Integrator: Falcon
 Process Host: VAL-SMS-LAB3

First Level Reviewer: iversc Date: 20-Dec-2011 16:45:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags	
4 PCB-1016										
1	1	3.151	3.152	-0.001	4362108	86.1		100.0		
1	2	3.576	3.578	-0.002	9467277	86.5	184.3- 244.3	217.0		
1	3	4.362	4.363	-0.001	7597693	89.6	142.9- 202.9	174.2		
1	4	4.932	4.934	-0.002	5784034	89.2	104.8- 164.8	132.6		
1	5	5.486	5.487	-0.001	3749641	88.8	54.6- 114.6	86.0		
		Average of Peak Amounts =				88.0				
2	6	3.692	3.695	-0.003	2373329	86.2		100.0		
2	7	4.266	4.268	-0.002	5478688	92.3	190.3- 250.3	230.8		
2	8	5.152	5.154	-0.002	4144617	86.4	137.1- 197.1	174.6		
2	9	5.585	5.586	-0.001	1988060	94.9	46.2- 106.2	83.8		
2	10	5.877	5.878	-0.001	3374940	92.0	105.7- 165.7	142.2		
		Average of Peak Amounts =				90.4				
		RPD = 2.64								
11 PCB-1260										
1	1	6.768	6.768	0.000	10334419	88.4		100.0		
1	2	7.257	7.257	0.000	15634131	90.8	119.7- 179.7	151.3		
1	3	7.494	7.495	-0.001	5995031	90.3	29.5- 89.5	58.0		
1	4	7.805	7.804	0.001	16532177	93.0	125.1- 185.1	160.0		
1	5	8.563	8.564	-0.001	7998420	71.9	63.3- 123.3	77.4		
		Average of Peak Amounts =				86.9				
2	6	7.838	7.841	-0.003	2770448	77.8		100.0		
2	7	8.208	8.209	-0.001	6070078	85.7	169.1- 229.1	219.1		
2	8	8.638	8.638	0.000	7726750	88.2	216.2- 276.2	278.9		
2	9	9.357	9.359	-0.002	4692479	74.2	152.9- 212.9	169.4		
2	10	9.747	9.748	-0.001	5671468	82.0	164.1- 224.1	204.7		
		Average of Peak Amounts =				81.6				
		RPD = 6.30								

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Ratio Range	Ratio	Flags
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\$ 3 Dibutylchlorendate

1	1	9.571							
2	2	10.262							

\$ 2 DCB Decachlorobiphenyl

1	1	10.773							
2	2	11.583							

Report Date: 20-Dec-2011 16:45:10

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCA\20111220-6100.b\B6066.D

Injection Date: 20-Dec-2011 15:20:23

Limit Group: SGC - 1 - 8082 CAL

Client ID:

Instrument ID: SGCA

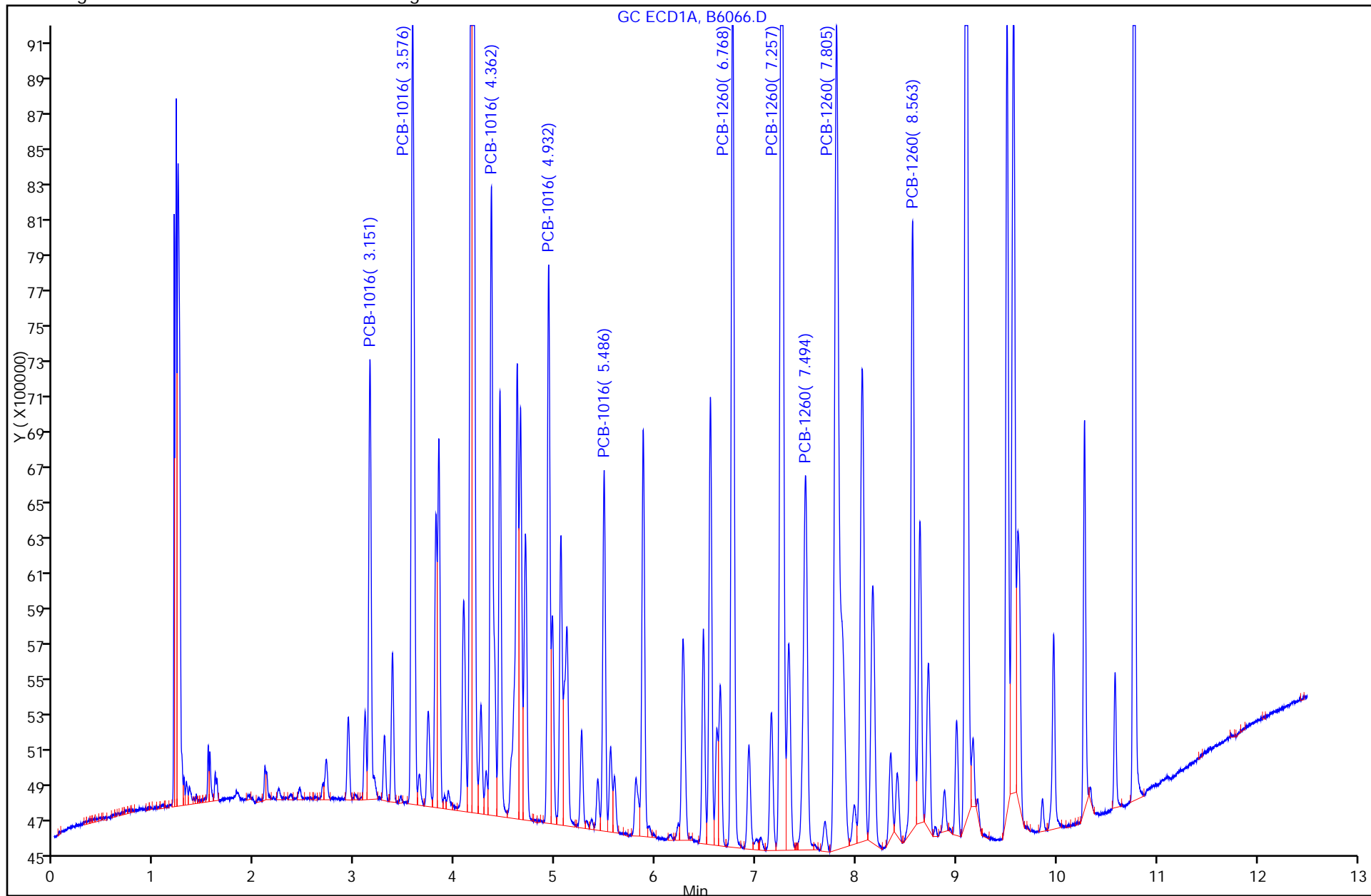
Lims Batch ID: 91345

Lims Sample ID: 13

Operator ID:

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 10



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Instrument ID: SGCA Start Date: 12/16/2011 10:18

Analysis Batch Number: 91178 End Date: 12/16/2011 23:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD20 510-91178/1 IC		12/16/2011 10:18	1	B5991.D	8082/608 0.53 (mm)
STD20 510-91178/1 IC		12/16/2011 10:18	1		8082/608V2 0.53 (mm)
STD50 510-91178/2 IC		12/16/2011 10:33	1	B5992.D	8082/608 0.53 (mm)
STD50 510-91178/2 IC		12/16/2011 10:33	1		8082/608V2 0.53 (mm)
STD100 510-91178/3 IC		12/16/2011 10:49	1	B5993.D	8082/608 0.53 (mm)
STD100 510-91178/3 IC		12/16/2011 10:49	1		8082/608V2 0.53 (mm)
STD250 510-91178/4 IC		12/16/2011 11:04	1	B5994.D	8082/608 0.53 (mm)
STD250 510-91178/4 IC		12/16/2011 11:04	1		8082/608V2 0.53 (mm)
STD500 510-91178/5 IC		12/16/2011 11:19	1	B5995.D	8082/608 0.53 (mm)
STD500 510-91178/5 IC		12/16/2011 11:19	1		8082/608V2 0.53 (mm)
STD1000 510-91178/6 IC		12/16/2011 11:35	1	B5996.D	8082/608 0.53 (mm)
STD1000 510-91178/6 IC		12/16/2011 11:35	1		8082/608V2 0.53 (mm)
STD1500 510-91178/7 IC		12/16/2011 11:50	1	B5997.D	8082/608 0.53 (mm)
STD1500 510-91178/7 IC		12/16/2011 11:50	1		8082/608V2 0.53 (mm)
STD2000 510-91178/8 IC		12/16/2011 12:06	1	B5998.D	8082/608 0.53 (mm)
STD2000 510-91178/8 IC		12/16/2011 12:06	1		8082/608V2 0.53 (mm)
STD3000 510-91178/9 IC		12/16/2011 12:21	1	B5999.D	8082/608 0.53 (mm)
STD3000 510-91178/9 IC		12/16/2011 12:21	1		8082/608V2 0.53 (mm)
STD1221 510-91178/10 IC		12/16/2011 12:36	1	B6000.D	8082/608 0.53 (mm)
STD1221 510-91178/10 IC		12/16/2011 12:36	1		8082/608V2 0.53 (mm)
STD1232 510-91178/11 IC		12/16/2011 12:52	1	B6001.D	8082/608 0.53 (mm)
STD1232 510-91178/11 IC		12/16/2011 12:52	1		8082/608V2 0.53 (mm)
STD1242 510-91178/12 IC		12/16/2011 13:07	1	B6002.D	8082/608 0.53 (mm)
STD1242 510-91178/12 IC		12/16/2011 13:07	1		8082/608V2 0.53 (mm)
STD1248 510-91178/13 IC		12/16/2011 13:22	1	B6003.D	8082/608 0.53 (mm)
STD1248 510-91178/13 IC		12/16/2011 13:22	1		8082/608V2 0.53 (mm)
STD1254 510-91178/14 IC		12/16/2011 13:41	1	B6004.D	8082/608 0.53 (mm)
STD1254 510-91178/14 IC		12/16/2011 13:41	1		8082/608V2 0.53 (mm)
ICV 510-91178/15		12/16/2011 13:56	1		8082/608 0.53 (mm)
ICV 510-91178/15		12/16/2011 13:56	1		8082/608V2 0.53 (mm)
CCV1500 510-91178/16		12/16/2011 14:12	1		8082/608 0.53 (mm)
CCV1500 510-91178/16		12/16/2011 14:12	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 14:39	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 14:39	1		8082/608V2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Instrument ID: SGCA Start Date: 12/16/2011 10:18

Analysis Batch Number: 91178 End Date: 12/16/2011 23:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/16/2011 14:54	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 14:54	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 15:10	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 15:10	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 15:25	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 15:25	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 15:41	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 15:41	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 15:56	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 15:56	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 16:11	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 16:11	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 16:27	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 16:27	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 16:42	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 16:42	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 16:57	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 16:57	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 17:13	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 17:13	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 17:28	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 17:28	1		8082/608V2 0.53 (mm)
CCV1000 510-91178/29		12/16/2011 17:44	1		8082/608 0.53 (mm)
CCV1000 510-91178/29		12/16/2011 17:44	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 17:59	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 17:59	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 18:14	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 18:14	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 18:29	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 18:29	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 18:45	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 18:45	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 19:00	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 19:00	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 19:15	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 19:15	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 19:31	1		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 19:31	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 19:46	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 19:46	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 20:01	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 20:01	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 20:17	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 20:17	10		8082/608V2 0.53 (mm)
CCV1500 510-91178/40		12/16/2011 20:32	1		8082/608 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Instrument ID: SGCA Start Date: 12/16/2011 10:18

Analysis Batch Number: 91178 End Date: 12/16/2011 23:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV1500 510-91178/40		12/16/2011 20:32	1		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 20:47	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 20:47	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 21:03	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 21:03	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 21:18	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 21:18	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 21:33	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 21:33	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 21:49	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 21:49	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 22:04	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 22:04	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 22:19	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 22:19	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 22:35	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 22:35	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 22:50	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 22:50	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 23:06	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 23:06	10		8082/608V2 0.53 (mm)
ZZZZZ		12/16/2011 23:21	10		8082/608 0.53 (mm)
ZZZZZ		12/16/2011 23:21	10		8082/608V2 0.53 (mm)
CCV1000 510-91178/52		12/16/2011 23:36	1		8082/608 0.53 (mm)
CCV1000 510-91178/52		12/16/2011 23:36	1		8082/608V2 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Instrument ID: SGCA Start Date: 12/20/2011 12:17

Analysis Batch Number: 91345 End Date: 12/20/2011 16:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV1500 510-91345/1		12/20/2011 12:17	1	B6054.D	8082/608 0.53 (mm)
CCV1500 510-91345/1		12/20/2011 12:17	1		8082/608V2 0.53 (mm)
CCV1242 510-91345/2		12/20/2011 12:32	1	B6055.D	8082/608 0.53 (mm)
CCV1242 510-91345/2		12/20/2011 12:32	1		8082/608V2 0.53 (mm)
CCV1248 510-91345/3		12/20/2011 12:47	1	B6056.D	8082/608 0.53 (mm)
CCV1248 510-91345/3		12/20/2011 12:47	1		8082/608V2 0.53 (mm)
CCV1254 510-91345/4		12/20/2011 13:02	1	B6057.D	8082/608 0.53 (mm)
CCV1254 510-91345/4		12/20/2011 13:02	1		8082/608V2 0.53 (mm)
MB 510-91321/1-A		12/20/2011 13:18	1	B6058.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 13:18	1		8082/608V2 0.53 (mm)
LCS 510-91321/2-A		12/20/2011 13:33	1	B6059.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 13:33	1		8082/608V2 0.53 (mm)
ZZZZZ		12/20/2011 13:48	1		8082/608 0.53 (mm)
ZZZZZ		12/20/2011 13:48	1		8082/608V2 0.53 (mm)
ZZZZZ		12/20/2011 14:04	1		8082/608 0.53 (mm)
ZZZZZ		12/20/2011 14:04	1		8082/608V2 0.53 (mm)
ZZZZZ		12/20/2011 14:19	1		8082/608 0.53 (mm)
ZZZZZ		12/20/2011 14:19	1		8082/608V2 0.53 (mm)
ZZZZZ		12/20/2011 14:34	1		8082/608 0.53 (mm)
ZZZZZ		12/20/2011 14:34	1		8082/608V2 0.53 (mm)
510-73586-1 DL	TRC-4@16' DL	12/20/2011 14:49	10	B6064.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 14:49	10		8082/608V2 0.53 (mm)
510-73586-1 MS DL	TRC-4@16' MS DL	12/20/2011 15:05	10	B6065.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 15:05	10		8082/608V2 0.53 (mm)
510-73586-1 MSD DL	TRC-4@16' MSD DL	12/20/2011 15:20	10	B6066.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 15:20	10		8082/608V2 0.53 (mm)
510-73586-2 DL	TRAB-11@22' DL	12/20/2011 15:35	10	B6067.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 15:35	10		8082/608V2 0.53 (mm)
510-73586-3 DL	TRC-SW-4b DL	12/20/2011 15:50	10	B6068.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 15:50	10		8082/608V2 0.53 (mm)
510-73586-4 DL	TRC-SW-2b DL	12/20/2011 16:06	10	B6069.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 16:06	10		8082/608V2 0.53 (mm)
510-73586-5 DL	Field Duplicate DL	12/20/2011 16:21	10	B6070.D	8082/608 0.53 (mm)
ZZZZZ		12/20/2011 16:21	10		8082/608V2 0.53 (mm)
CCV1000 510-91345/18		12/20/2011 16:36	1	B6071.D	8082/608 0.53 (mm)
CCV1000 510-91345/18		12/20/2011 16:36	1		8082/608V2 0.53 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Batch Number: 91321 Batch Start Date: 12/20/11 08:12 Batch Analyst: Page, Sarah N

Batch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SGPCBSKWWS 00026	SGPCBSSWWS 00032		
MB 510-91321/1		3546, 8082		15 g	5 mL		250 uL		
LCS 510-91321/2		3546, 8082		15 g	5 mL	250 uL	250 uL		
510-73586-A-1	TRC-4@16'	3546, 8082	T	15.02 g	5 mL		250 uL		
510-73586-A-1	TRC-4@16'	3546, 8082	T	15.36 g	5 mL	250 uL	250 uL		
510-73586-A-1	TRC-4@16'	3546, 8082	T	15.62 g	5 mL	250 uL	250 uL		
510-73586-A-2	TRAB-11@22'	3546, 8082	T	15.30 g	5 mL		250 uL		
510-73586-A-3	TRC-SW-4b	3546, 8082	T	15.30 g	5 mL		250 uL		
510-73586-A-4	TRC-SW-2b	3546, 8082	T	15.50 g	5 mL		250 uL		
510-73586-A-5	Field Duplicate	3546, 8082	T	15.37 g	5 mL		250 uL		

Batch Notes	
Balance ID	37912
Hexane Lot#	ophexr_00084
Microwave Start Time	1005
Microwave Stop Time	1030
Na2SO4 Lot Number	opna2so4_00022
Ottawa Sand Lot #	opsand_00007
Person's name who did the prep	Sarah Page

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job Number: 510-73586-1

SDG No.: _____

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
<u>TRC-4@16'</u>	<u>510-73586-1</u>
<u>TRAB-11@22'</u>	<u>510-73586-2</u>
<u>TRC-SW-4b</u>	<u>510-73586-3</u>
<u>TRC-SW-2b</u>	<u>510-73586-4</u>
<u>Field Duplicate</u>	<u>510-73586-5</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso

Job Number: 510-73586-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: Moisture

RL Date: 11/15/2005 14:44

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/19/2011 17:22 End Date: 12/19/2011 17:22

Lab Sample ID	D / F	Type	Time	Analytes															
				% S o l	M o i s t														
MB 510-91311/1	1	T	17:22	X	X														
510-73586-1	1	T	17:22	X	X														
510-73586-1 DU	1	T	17:22	X	X														
510-73586-2	1	T	17:22	X	X														
510-73586-5	1	T	17:22	X	X														
510-73586-4	1	T	17:22	X	X														
510-73586-3	1	T	17:22	X	X														
ZZZZZZ			17:22																
ZZZZZZ			17:22																
ZZZZZZ			17:22																
ZZZZZZ			17:22																

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-73586-1

SDG No.: _____

Batch Number: 91311 Batch Start Date: 12/19/11 17:22 Batch Analyst: Allen, Tiffany L

Batch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
MB 510-91311/1		Moisture		1	001.0045 g	011.7664 g	001.0072 g		
510-73586-A-1	TRC-4@16'	Moisture	T	2	001.0155 g	011.1345 g	010.5619 g		
510-73586-A-1 DU	TRC-4@16'	Moisture	T	3	001.0317 g	011.4465 g	010.8403 g		
510-73586-A-2	TRAB-11@22'	Moisture	T	4	001.0147 g	011.5111 g	009.6735 g		
510-73586-A-5	Field Duplicate	Moisture	T	5	001.0348 g	011.2758 g	009.9361 g		
510-73586-A-4	TRC-SW-2b	Moisture	T	6	001.0165 g	011.5464 g	010.5416 g		
510-73586-A-3	TRC-SW-4b	Moisture	T	7	000.9717 g	011.3959 g	010.5213 g		

Batch Notes	
Balance ID	GBALB No Unit
Date samples were placed in the oven	12/19/2011
Oven Temp when samples are put in oven	104.2 Degrees C
Time samples were place in the oven	1700
Date samples were removed from oven	12/20/2011
Oven Temp when samples removed from oven	104.2 Degrees C
Time Samples were removed from oven	1130
Oven ID	wc-ovn-1
ID number of the thermometer	14-986B-G
Uncorrected In Temperature	104.0 Celsius
Uncorrected Out Temperature	104.0 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Chain of Custody Record

Client Information Client Contact: Jodi Slough Phone: 574.952.5280 E-Mail: jrobinm.kintz@testamericainc.com		Lab PM: Kintz, Robin M E-Mail: robinm.kintz@testamericainc.com		Carrier Tracking No(s): COC No: 510-14134 1 Page:	
Company: Weaver Boos Consultants LLC Address: 4085 Meghan Beeler Court City: South Bend State, Zip: IN, 46628 Phone: 574-271-3447 Email: estefanek@weaverboos.com / jslough@weaverboos.com		Project Name: South Bend Former Studebaker Foundry Site: South Bend Former Studebaker Foundry		Job #:	
Due Date Requested: TAT Requested (days): PO #: 0059-373-01 WO #:		Analysis Requested: 8270C, 8270C, SIM - BNAs 6020, 7470 - Metals 8082 - PCBs 8260B - VOCs 8015 - TPH GRO 8015 - TPH ERO 8260B - VOCs (Trip Blanks) Total/Free Cyanide		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - Ash/AgO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)	
Sample Identification: 73586 TRC-4@16' TRAB-11@22' TRC-SW-4b TRC-SW-2b Field Duplicate		Field Filtered Sample (Yes or No): 8270C, 8270C, SIM - BNAs 6020, 7470 - Metals 8082 - PCBs 8260B - VOCs 8015 - TPH GRO 8015 - TPH ERO 8260B - VOCs (Trip Blanks) Total/Free Cyanide		Special Instructions/Note: Total Number of containers:	
Sample Date: 12/19/11 Sample Time: 1200 Sample Type: C Matrix: S	Sample Date: 12/19/11 Sample Time: 1000 Sample Type: C Matrix: S	Sample Date: 12/19/11 Sample Time: 1100 Sample Type: C Matrix: S	Sample Date: 12/19/14 Sample Time: 1030 Sample Type: C Matrix: S	Sample Date: 12/19/11 Sample Time: 1115 Sample Type: C Matrix: S	Sample Date: Sample Time: Sample Type: Matrix:
Possible Hazard Identification: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: <input type="checkbox"/> I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by:		Relinquished by: Jodi Slough Date/Time: 12/19/11, 2:58 Company: WBC		Method of Shipment:	
Relinquished by: Jodi Slough Date/Time: 12/19/11, 1500 Company: TESTAMERICA		Relinquished by: Jodi Slough Date/Time: 12/19/11, 1500 Company: TESTAMERICA		Date/Time: 12/19/11, 1500 Company: TESTAMERICA	
Custody Seals Intact:		Custody Seal No.:		Field Col. W. 2.72 Corrected Temp 3.0	

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-73586-1

Login Number: 73586
List Number: 2
Creator: Richter, Debbie D

List Source: TestAmerica Valparaiso

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.