

ANALYTICAL REPORT

Job Number: 480-66056-1

Job Description: Altech Specialty Steel; Dunkirk, NY

For:

Horizon Environmental Services
590 A Callery Road
Cranberry Township, PA 16066
Attention: Mr. Scott Clary



Approved for release.
Rebecca M Jones
Project Management Assistant I
9/2/2014 2:25 PM

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09/02/2014

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Job Narrative
480-66056-1

Receipt

The samples were received on 8/22/2014 4:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC Semi VOA

Method(s) 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl was decreased and exceeded 20% on the ZB-5 column, indicating a low bias. (CCV 480-199358/40)

Method(s) 8082A: All primary data is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Horizon Environmental Services

Job Number: 480-66056-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-66056-1	AS-DECON-WL-001 Bucket	Wipe	08/21/2014 1800	08/22/2014 1655
480-66056-2	AS-DECON-WL-002 Tire	Wipe	08/21/2014 1800	08/22/2014 1655
480-66056-3	AS-DECON-WL-003 Tire	Wipe	08/21/2014 1800	08/22/2014 1655
480-66056-4	AS-DECON-WL-004 Frame	Wipe	08/21/2014 1800	08/22/2014 1655
480-66056-5	AS-DECON-EX-001 Track	Wipe	08/22/2014 0830	08/22/2014 1655
480-66056-6	AS-DECON-EX-002 Bucket	Wipe	08/22/2014 0830	08/22/2014 1655
480-66056-7	AS-DECON-EX-003 Frame	Wipe	08/22/2014 0830	08/22/2014 1655
480-66056-8	AS-DECON-EX-004 Track	Wipe	08/22/2014 0830	08/22/2014 1655
480-66056-9	AS-DECON-EX1-001 Bucket	Wipe	08/22/2014 1045	08/22/2014 1655

EXECUTIVE SUMMARY - Detections

Client: Horizon Environmental Services

Job Number: 480-66056-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-66056-2 PCB-1232	AS-DECON-WL-002 TIRE	2.8		1.0	ug/Wipe	8082A

METHOD SUMMARY

Client: Horizon Environmental Services

Job Number: 480-66056-1

Description	Lab Location	Method	Preparation Method
Matrix: Wipe			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082A	
Ultrasonic Extraction	TAL BUF		SW846 3550C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: Horizon Environmental Services

Job Number: 480-66056-1

Method	Analyst	Analyst ID
SW846 8082A	Evers, David L	DLE

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-001 Bucket

Lab Sample ID: 480-66056-1

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1347			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	109		57 - 173
DCB Decachlorobiphenyl	106		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-001 Bucket

Lab Sample ID: 480-66056-1

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1347			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		57 - 173
DCB Decachlorobiphenyl	97		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-002 Tire

Lab Sample ID: 480-66056-2

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1403			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	2.8		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	108		57 - 173
DCB Decachlorobiphenyl	105		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-002 Tire

Lab Sample ID: 480-66056-2

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1403			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	97		57 - 173
DCB Decachlorobiphenyl	97		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-003 Tire

Lab Sample ID: 480-66056-3

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1418			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		57 - 173
DCB Decachlorobiphenyl	92		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-003 Tire

Lab Sample ID: 480-66056-3

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1418			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		57 - 173
DCB Decachlorobiphenyl	87		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-004 Frame

Lab Sample ID: 480-66056-4

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1434			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		57 - 173
DCB Decachlorobiphenyl	102		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-WL-004 Frame

Lab Sample ID: 480-66056-4

Date Sampled: 08/21/2014 1800

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1434			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		57 - 173
DCB Decachlorobiphenyl	96		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-001 Track

Lab Sample ID: 480-66056-5

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1450			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		57 - 173
DCB Decachlorobiphenyl	102		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-001 Track

Lab Sample ID: 480-66056-5

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1450			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	82		57 - 173
DCB Decachlorobiphenyl	91		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-002 Bucket

Lab Sample ID: 480-66056-6

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1506			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	95		57 - 173
DCB Decachlorobiphenyl	96		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-002 Bucket

Lab Sample ID: 480-66056-6

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1506			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		57 - 173
DCB Decachlorobiphenyl	90		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-003 Frame

Lab Sample ID: 480-66056-7

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1522			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		57 - 173
DCB Decachlorobiphenyl	97		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-003 Frame

Lab Sample ID: 480-66056-7

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/25/2014 1522			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	77		57 - 173
DCB Decachlorobiphenyl	91		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-004 Track

Lab Sample ID: 480-66056-8

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/24/2014 2055			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		57 - 173
DCB Decachlorobiphenyl	74		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX-004 Track

Lab Sample ID: 480-66056-8

Date Sampled: 08/22/2014 0830

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/24/2014 2055			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		57 - 173
DCB Decachlorobiphenyl	66		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX1-001 Bucket

Lab Sample ID: 480-66056-9

Date Sampled: 08/22/2014 1045

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/24/2014 2111			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		57 - 173
DCB Decachlorobiphenyl	77		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-66056-1

Client Sample ID: AS-DECON-EX1-001 Bucket

Lab Sample ID: 480-66056-9

Date Sampled: 08/22/2014 1045

Client Matrix: Wipe

Date Received: 08/22/2014 1655

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Prep Method:	3550C	Prep Batch:	480-199292	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	08/24/2014 2111			Injection Volume:	1 uL
Prep Date:	08/23/2014 0737			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	88		57 - 173
DCB Decachlorobiphenyl	70		59 - 171

Client: Horizon Environmental Services

Job Number: 480-66056-1

Surrogate Recovery Report**8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography****Client Matrix: Wipe**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
480-66056-1	AS-DECON-WL-001 Bucket	109	95	106	97
480-66056-2	AS-DECON-WL-002 Tire	108	97	105	97
480-66056-3	AS-DECON-WL-003 Tire	94	82	92	87
480-66056-4	AS-DECON-WL-004 Frame	101	84	102	96
480-66056-5	AS-DECON-EX-001 Track	99	82	102	91
480-66056-6	AS-DECON-EX-002 Bucket	95	79	96	90
480-66056-7	AS-DECON-EX-003 Frame	93	77	97	91
480-66056-8	AS-DECON-EX-004 Track	90	81	74	66
480-66056-9	AS-DECON-EX1-001 Bucket	94	88	77	70
MB 480-199292/1-A		110	95	110	101
LCS 480-199292/2-A		114	103	104	97
LCSD 480-199292/3-A		113	99	104	98

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	57-173
DCB = DCB Decachlorobiphenyl	59-171

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-66056-1

Method Blank - Batch: 480-199292

Method: 8082A

Preparation: 3550C

Lab Sample ID: MB 480-199292/1-A
 Client Matrix: Wipe
 Dilution: 1.0
 Analysis Date: 08/25/2014 1259
 Prep Date: 08/23/2014 0737
 Leach Date: N/A

Analysis Batch: 480-199358
 Prep Batch: 480-199292
 Leach Batch: N/A
 Units: ug/Wipe

Instrument ID: HP6890-7
 Lab File ID: 7_345_100.D
 Initial Weight/Volume: 1 Wipe
 Final Weight/Volume: 40 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	110	57 - 173
DCB Decachlorobiphenyl	110	59 - 171

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	95	57 - 173
DCB Decachlorobiphenyl	101	59 - 171

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-66056-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 480-199292

Method: 8082A

Preparation: 3550C

LCS Lab Sample ID:	LCS 480-199292/2-A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Client Matrix:	Wipe	Prep Batch:	480-199292	Lab File ID:	7_345_101.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 Wipe
Analysis Date:	08/25/2014 1315	Units:	ug/Wipe	Final Weight/Volume:	40 mL
Prep Date:	08/23/2014 0737			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 480-199292/3-A	Analysis Batch:	480-199358	Instrument ID:	HP6890-7
Client Matrix:	Wipe	Prep Batch:	480-199292	Lab File ID:	7_345_102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 Wipe
Analysis Date:	08/25/2014 1331	Units:	ug/Wipe	Final Weight/Volume:	40 mL
Prep Date:	08/23/2014 0737			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	110	110	54 - 182	0	50		
PCB-1260	140	142	53 - 187	1	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	114		113		57 - 173		
DCB Decachlorobiphenyl	104		104		59 - 171		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	103		99		57 - 173		
DCB Decachlorobiphenyl	97		98		59 - 171		

Laboratory Control/

Laboratory Duplicate Data Report - Batch: 480-199292

Method: 8082A

Preparation: 3550C

LCS Lab Sample ID:	LCS 480-199292/2-A	Units:	ug/Wipe	LCSD Lab Sample ID:	LCSD 480-199292/3-A
Client Matrix:	Wipe			Client Matrix:	Wipe
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/25/2014 1315			Analysis Date:	08/25/2014 1331
Prep Date:	08/23/2014 0737			Prep Date:	08/23/2014 0737
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	20.0	20.0	22.1	22.1
PCB-1260	20.0	20.0	28.0	28.4

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-66056-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-199292					
LCS 480-199292/2-A	Lab Control Sample	T	Wipe	3550C	
LCSD 480-199292/3-A	Lab Control Sample Duplicate	T	Wipe	3550C	
MB 480-199292/1-A	Method Blank	T	Wipe	3550C	
480-66056-1	AS-DECON-WL-001 Bucket	T	Wipe	3550C	
480-66056-2	AS-DECON-WL-002 Tire	T	Wipe	3550C	
480-66056-3	AS-DECON-WL-003 Tire	T	Wipe	3550C	
480-66056-4	AS-DECON-WL-004 Frame	T	Wipe	3550C	
480-66056-5	AS-DECON-EX-001 Track	T	Wipe	3550C	
480-66056-6	AS-DECON-EX-002 Bucket	T	Wipe	3550C	
480-66056-7	AS-DECON-EX-003 Frame	T	Wipe	3550C	
480-66056-8	AS-DECON-EX-004 Track	T	Wipe	3550C	
480-66056-9	AS-DECON-EX1-001 Bucket	T	Wipe	3550C	
Analysis Batch:480-199358					
LCS 480-199292/2-A	Lab Control Sample	T	Wipe	8082A	480-199292
LCSD 480-199292/3-A	Lab Control Sample Duplicate	T	Wipe	8082A	480-199292
MB 480-199292/1-A	Method Blank	T	Wipe	8082A	480-199292
480-66056-1	AS-DECON-WL-001 Bucket	T	Wipe	8082A	480-199292
480-66056-2	AS-DECON-WL-002 Tire	T	Wipe	8082A	480-199292
480-66056-3	AS-DECON-WL-003 Tire	T	Wipe	8082A	480-199292
480-66056-4	AS-DECON-WL-004 Frame	T	Wipe	8082A	480-199292
480-66056-5	AS-DECON-EX-001 Track	T	Wipe	8082A	480-199292
480-66056-6	AS-DECON-EX-002 Bucket	T	Wipe	8082A	480-199292
480-66056-7	AS-DECON-EX-003 Frame	T	Wipe	8082A	480-199292
480-66056-8	AS-DECON-EX-004 Track	T	Wipe	8082A	480-199292
480-66056-9	AS-DECON-EX1-001 Bucket	T	Wipe	8082A	480-199292

Report Basis

T = Total

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-66056-1

Laboratory Chronicle

Lab ID: 480-66056-1

Client ID: AS-DECON-WL-001 Bucket

Sample Date/Time: 08/21/2014 18:00

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-1-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-1-A		480-199358	480-199292	08/25/2014 13:47	1	TAL BUF	DLE

Lab ID: 480-66056-2

Client ID: AS-DECON-WL-002 Tire

Sample Date/Time: 08/21/2014 18:00

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-2-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-2-A		480-199358	480-199292	08/25/2014 14:03	1	TAL BUF	DLE

Lab ID: 480-66056-3

Client ID: AS-DECON-WL-003 Tire

Sample Date/Time: 08/21/2014 18:00

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-3-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-3-A		480-199358	480-199292	08/25/2014 14:18	1	TAL BUF	DLE

Lab ID: 480-66056-4

Client ID: AS-DECON-WL-004 Frame

Sample Date/Time: 08/21/2014 18:00

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-4-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-4-A		480-199358	480-199292	08/25/2014 14:34	1	TAL BUF	DLE

Lab ID: 480-66056-5

Client ID: AS-DECON-EX-001 Track

Sample Date/Time: 08/22/2014 08:30

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-5-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-5-A		480-199358	480-199292	08/25/2014 14:50	1	TAL BUF	DLE

Lab ID: 480-66056-6

Client ID: AS-DECON-EX-002 Bucket

Sample Date/Time: 08/22/2014 08:30

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-6-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-6-A		480-199358	480-199292	08/25/2014 15:06	1	TAL BUF	DLE

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-66056-1

Laboratory Chronicle

Lab ID: 480-66056-7

Client ID: AS-DECON-EX-003 Frame

Sample Date/Time: 08/22/2014 08:30

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-7-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-7-A		480-199358	480-199292	08/25/2014 15:22	1	TAL BUF	DLE

Lab ID: 480-66056-8

Client ID: AS-DECON-EX-004 Track

Sample Date/Time: 08/22/2014 08:30

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-8-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-8-A		480-199358	480-199292	08/24/2014 20:55	1	TAL BUF	DLE

Lab ID: 480-66056-9

Client ID: AS-DECON-EX1-001 Bucket

Sample Date/Time: 08/22/2014 10:45

Received Date/Time: 08/22/2014 16:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-66056-A-9-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	480-66056-A-9-A		480-199358	480-199292	08/24/2014 21:11	1	TAL BUF	DLE

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 480-199292/1-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	MB 480-199292/1-A		480-199358	480-199292	08/25/2014 12:59	1	TAL BUF	DLE

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 480-199292/2-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	LCS 480-199292/2-A		480-199358	480-199292	08/25/2014 13:15	1	TAL BUF	DLE

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCSD 480-199292/3-A		480-199358	480-199292	08/23/2014 07:37	1	TAL BUF	JLS
A:8082A	LCSD 480-199292/3-A		480-199358	480-199292	08/25/2014 13:31	1	TAL BUF	DLE

Client: Horizon Environmental Services

Job Number: 480-66056-1

Laboratory Chronicle

Lab References:

TAL BUF = TestAmerica Buffalo

Method 8082A

Polychlorinated Biphenyls (PCBs)
(GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1

SDG No.: _____

Matrix: Wipe Level: Low

GC Column (1): ZB-5 ID: 0.53 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
AS-DECON-WL-001 Bucket	480-66056-1	109	95	106	97
AS-DECON-WL-002 Tire	480-66056-2	108	97	105	97
AS-DECON-WL-003 Tire	480-66056-3	94	82	92	87
AS-DECON-WL-004 Frame	480-66056-4	101	84	102	96
AS-DECON-EX-001 Track	480-66056-5	99	82	102	91
AS-DECON-EX-002 Bucket	480-66056-6	95	79	96	90
AS-DECON-EX-003 Frame	480-66056-7	93	77	97	91
AS-DECON-EX-004 Track	480-66056-8	90	81	74	66
AS-DECON-EX1-001 Bucket	480-66056-9	94	88	77	70
	MB 480-199292/1-A	110	95	110	101
	LCS 480-199292/2-A	114	103	104	97
	LCSD 480-199292/3-A	113	99	104	98

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
57-173
59-171

Column to be used to flag recovery values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Matrix: Wipe Level: Low Lab File ID: 7_345_101.D
Lab ID: LCS 480-199292/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Wipe)	LCS CONCENTRATION (ug/Wipe)	LCS % REC	QC LIMITS REC	#
PCB-1016	20.0	22.1	110	54-182	
PCB-1260	20.0	28.0	140	53-187	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Matrix: Wipe Level: Low Lab File ID: 7_345_102.D
Lab ID: LCSD 480-199292/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Wipe)	LCSD CONCENTRATION (ug/Wipe)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	20.0	22.1	110	0	50	54-182	
PCB-1260	20.0	28.4	142	1	50	53-187	

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: MB 480-199292/1-A
 Matrix: Wipe Date Extracted: 08/23/2014 07:37
 Lab File ID: (1) 7_345_100.D Lab File ID: (2) 7_345_100.D
 Date Analyzed: (1) 08/25/2014 12:59 Date Analyzed: (2) 08/25/2014 12:59
 Instrument ID: (1) HP6890-7 Instrument ID: (2) HP6890-7
 GC Column: (1) ZB-5 ID: 0.53(mm) GC Column: (2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
AS-DECON-EX-004 Track	480-66056-8	08/24/2014 20:55	08/24/2014 20:55
AS-DECON-EX1-001 Bucket	480-66056-9	08/24/2014 21:11	08/24/2014 21:11
	LCS 480-199292/2-A	08/25/2014 13:15	08/25/2014 13:15
	LCSD 480-199292/3-A	08/25/2014 13:31	08/25/2014 13:31
AS-DECON-WL-001 Bucket	480-66056-1	08/25/2014 13:47	08/25/2014 13:47
AS-DECON-WL-002 Tire	480-66056-2	08/25/2014 14:03	08/25/2014 14:03
AS-DECON-WL-003 Tire	480-66056-3	08/25/2014 14:18	08/25/2014 14:18
AS-DECON-WL-004 Frame	480-66056-4	08/25/2014 14:34	08/25/2014 14:34
AS-DECON-EX-001 Track	480-66056-5	08/25/2014 14:50	08/25/2014 14:50
AS-DECON-EX-002 Bucket	480-66056-6	08/25/2014 15:06	08/25/2014 15:06
AS-DECON-EX-003 Frame	480-66056-7	08/25/2014 15:22	08/25/2014 15:22

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-WL-002 Tire Lab Sample ID: 480-66056-2
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 08/25/2014 14:03 Date Analyzed (2): 08/25/2014 14:03
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1232	1	1	2.36	2.31	2.37	2.04	2.8	43.2
		2	2.68	2.64	2.70	3.11		
		3	2.77	2.72	2.78	3.32		
	2	1	2.17	2.13	2.19	2.69	1.8	
		2	2.47	2.43	2.49	3.92		
		3	2.57	2.54	2.60	0.309		
		4	2.66	2.63	2.69	0.350		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-199292/2-A
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 08/25/2014 13:15 Date Analyzed (2): 08/25/2014 13:15
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.68	2.65	2.71	22.7	22.1	1.2
		2	2.76	2.73	2.79	22.4		
		3	2.82	2.79	2.85	22.6		
		4	2.93	2.90	2.96	20.7		
	2	1	2.16	2.13	2.19	21.7	22.4	
		2	2.46	2.43	2.49	22.4		
		3	2.58	2.54	2.60	22.0		
		4	2.67	2.64	2.70	23.3		
PCB-1260	1	1	4.61	4.58	4.64	32.8	28.0	17.2
		2	4.80	4.77	4.83	27.7		
		3	5.00	4.97	5.03	29.2		
		4	5.23	5.20	5.26	22.5		
	2	1	4.61	4.58	4.64	21.8	23.6	
		2	4.67	4.64	4.70	22.3		
		3	4.75	4.71	4.77	25.9		
		4	5.08	5.05	5.11	24.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 480-199292/3-A
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 08/25/2014 13:31 Date Analyzed (2): 08/25/2014 13:31
 GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.68	2.65	2.71	22.7	22.1	0.1
		2	2.76	2.73	2.79	22.3		
		3	2.82	2.79	2.85	22.8		
		4	2.93	2.90	2.96	20.5		
	2	1	2.16	2.13	2.19	21.6	22.0	
		2	2.46	2.43	2.49	22.4		
		3	2.58	2.54	2.60	21.9		
		4	2.67	2.64	2.70	22.3		
PCB-1260	1	1	4.61	4.58	4.64	33.1	28.4	18.6
		2	4.80	4.77	4.83	27.7		
		3	5.00	4.97	5.03	29.4		
		4	5.23	5.20	5.26	23.2		
	2	1	4.61	4.58	4.64	21.5	23.5	
		2	4.68	4.64	4.70	22.3		
		3	4.75	4.71	4.77	25.9		
		4	5.08	5.05	5.11	24.4		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-WL-001 Bucket Lab Sample ID: 480-66056-1
 Matrix: Wipe Lab File ID: 7_345_103.D
 Analysis Method: 8082A Date Collected: 08/21/2014 18:00
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 13:47
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	109		57-173
2051-24-3	DCB Decachlorobiphenyl	106		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_103.D
 Lims ID: 480-66056-A-1-A Lab Sample ID: 480-66056-1
 Client ID: AS-DECON-WL-001 Bucket
 Sample Type: Client
 Inject. Date: 25-Aug-2014 13:47:14 ALS Bottle#: 0 Worklist Smp#: 103
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:10:51 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:10:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.795	1.794	0.001	625091	0.0219
2	1.476	1.475	0.001	786270	0.0190

RPD = 14.10

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	419087	0.0212
2	6.063	6.061	0.002	558846	0.0195

RPD = 8.34

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_103.D

Injection Date: 25-Aug-2014 13:47:14

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-1-A

Lab Sample ID: 480-66056-1

Worklist Smp#: 103

Client ID: AS-DECON-WL-001 Bucket

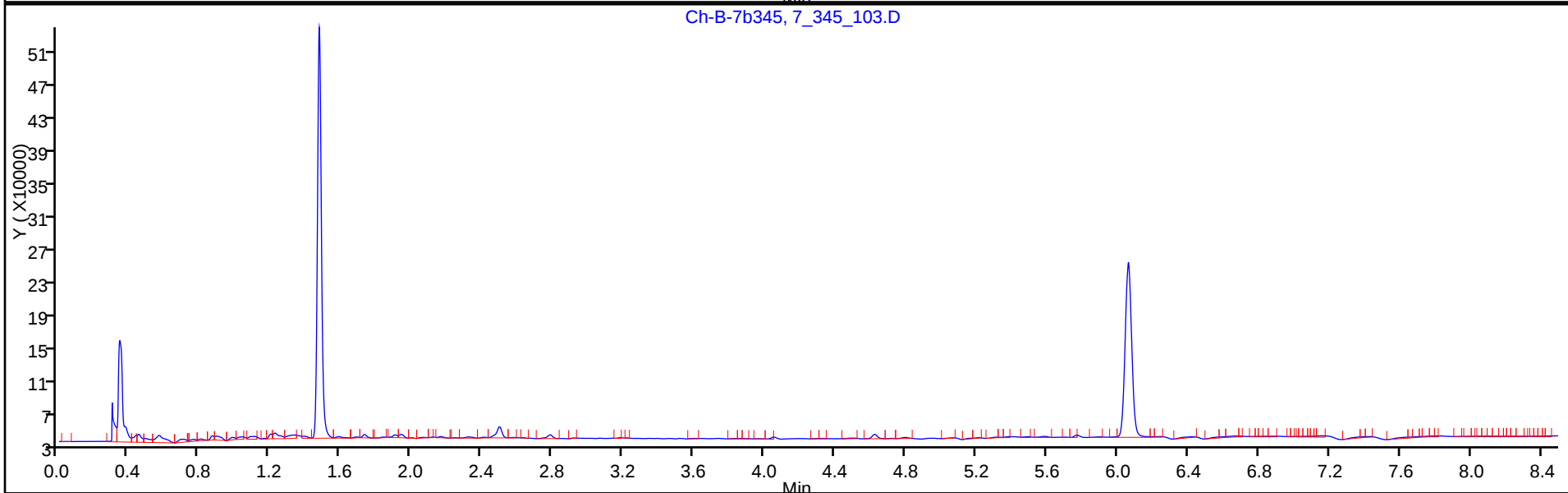
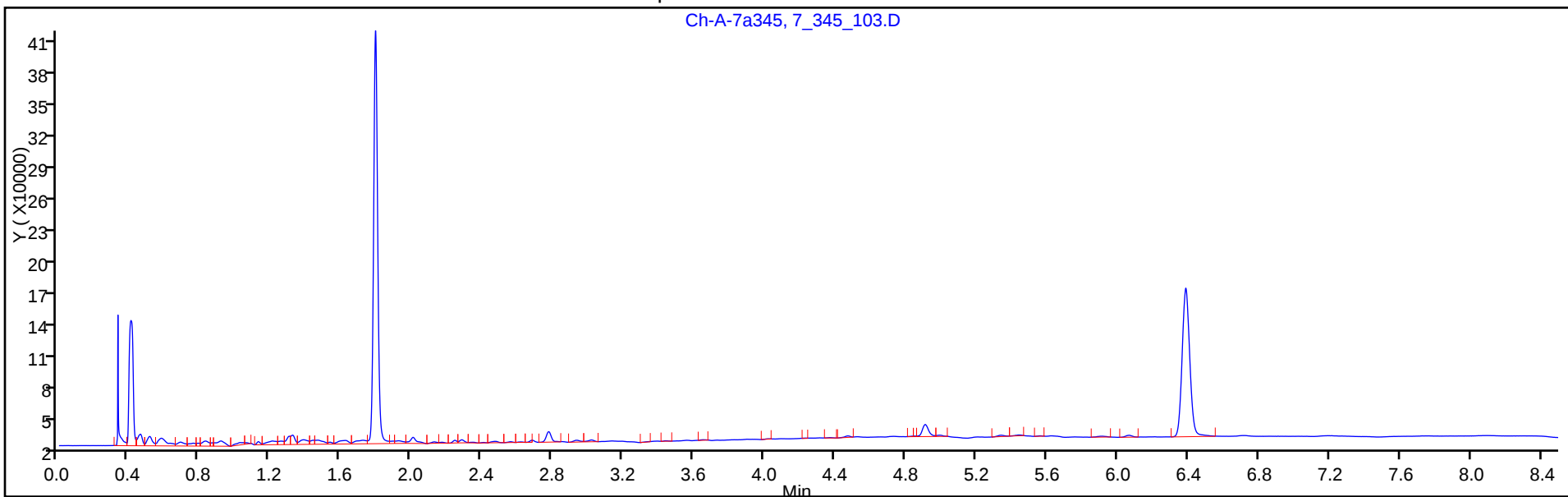
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-WL-001 Bucket Lab Sample ID: 480-66056-1
Matrix: Wipe Lab File ID: 7_345_103.D
Analysis Method: 8082A Date Collected: 08/21/2014 18:00
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 13:47
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		57-173
2051-24-3	DCB Decachlorobiphenyl	97		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_103.D
Lims ID: 480-66056-A-1-A Lab Sample ID: 480-66056-1
Client ID: AS-DECON-WL-001 Bucket
Sample Type: Client
Inject. Date: 25-Aug-2014 13:47:14 ALS Bottle#: 0 Worklist Smp#: 103
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:10:51 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:10:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.795	1.794	0.001	625091	0.0219
2	1.476	1.475	0.001	786270	0.0190
RPD = 14.10					

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	419087	0.0212
2	6.063	6.061	0.002	558846	0.0195
RPD = 8.34					

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_103.D

Injection Date: 25-Aug-2014 13:47:14

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-1-A

Lab Sample ID: 480-66056-1

Worklist Smp#: 103

Client ID: AS-DECON-WL-001 Bucket

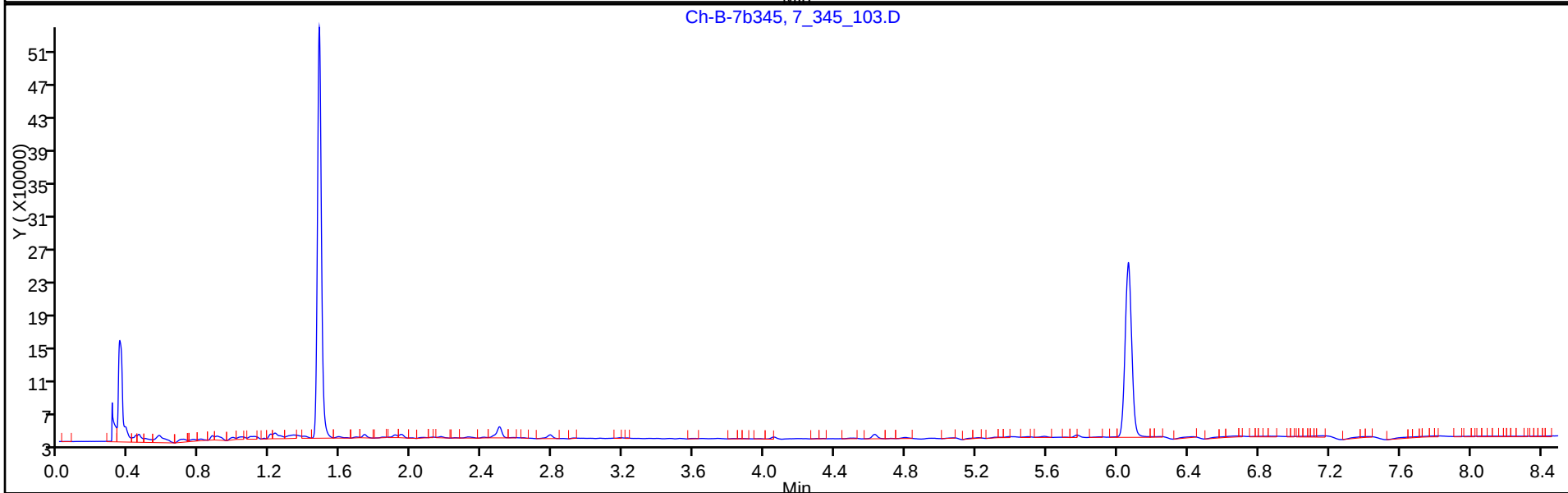
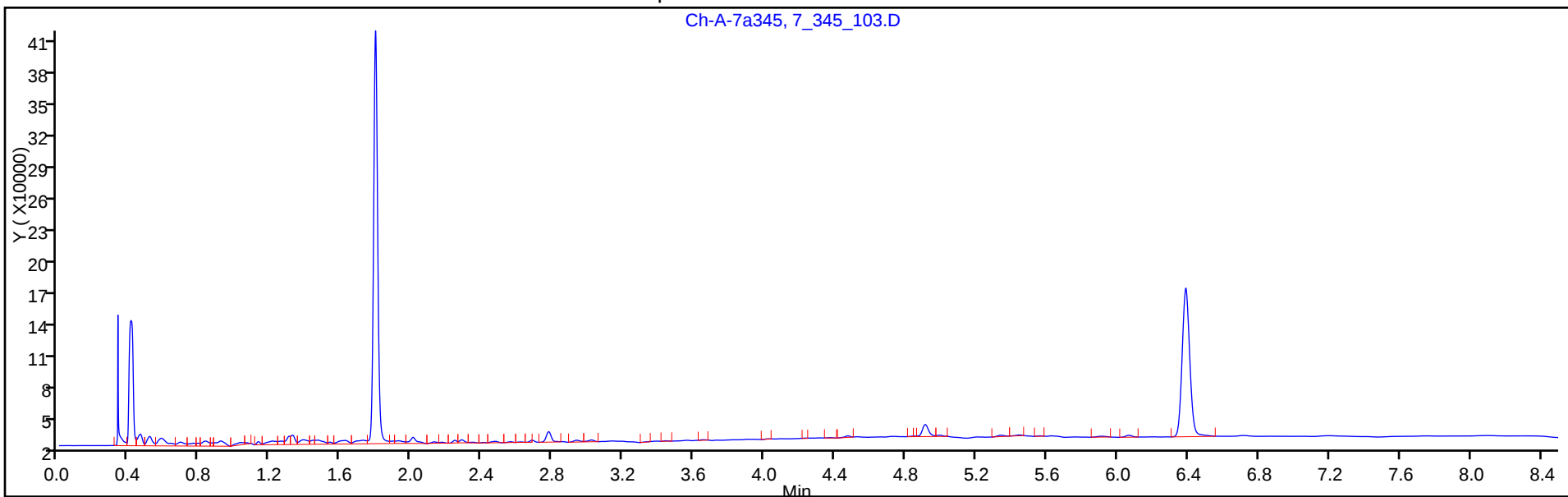
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-WL-002 Tire Lab Sample ID: 480-66056-2
 Matrix: Wipe Lab File ID: 7_345_104.D
 Analysis Method: 8082A Date Collected: 08/21/2014 18:00
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:03
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	2.8		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	108		57-173
2051-24-3	DCB Decachlorobiphenyl	105		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_104.D
 Lims ID: 480-66056-A-2-A Lab Sample ID: 480-66056-2
 Client ID: AS-DECON-WL-002 Tire
 Sample Type: Client
 Inject. Date: 25-Aug-2014 14:03:04 ALS Bottle#: 0 Worklist Smp#: 104
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:11:40 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:11:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	617711	0.0216
2	1.476	1.475	0.001	805834	0.0195
RPD = 10.47					

5 PCB-1232

1	2.357	2.336	0.021	25172	0.0510
1	2.683	2.670	0.012	74812	0.0777
1	2.774	2.751	0.023	31224	0.0830
1	0.000	2.810	-2.810	0	0
Average of Peak Amounts =					0.0705
2	2.168	2.156	0.012	48067	0.0674
2	2.467	2.457	0.010	136924	0.0981
2	2.574	2.570	0.004	3995	0.007723
2	2.663	2.661	0.001	2548	0.008762
Average of Peak Amounts =					0.0455
RPD = 43.18					

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	415482	0.0210
2	6.063	6.061	0.002	557714	0.0194
RPD = 7.68					

Reagents:

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_104.D

Injection Date: 25-Aug-2014 14:03:04

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-2-A

Lab Sample ID: 480-66056-2

Worklist Smp#: 104

Client ID: AS-DECON-WL-002 Tire

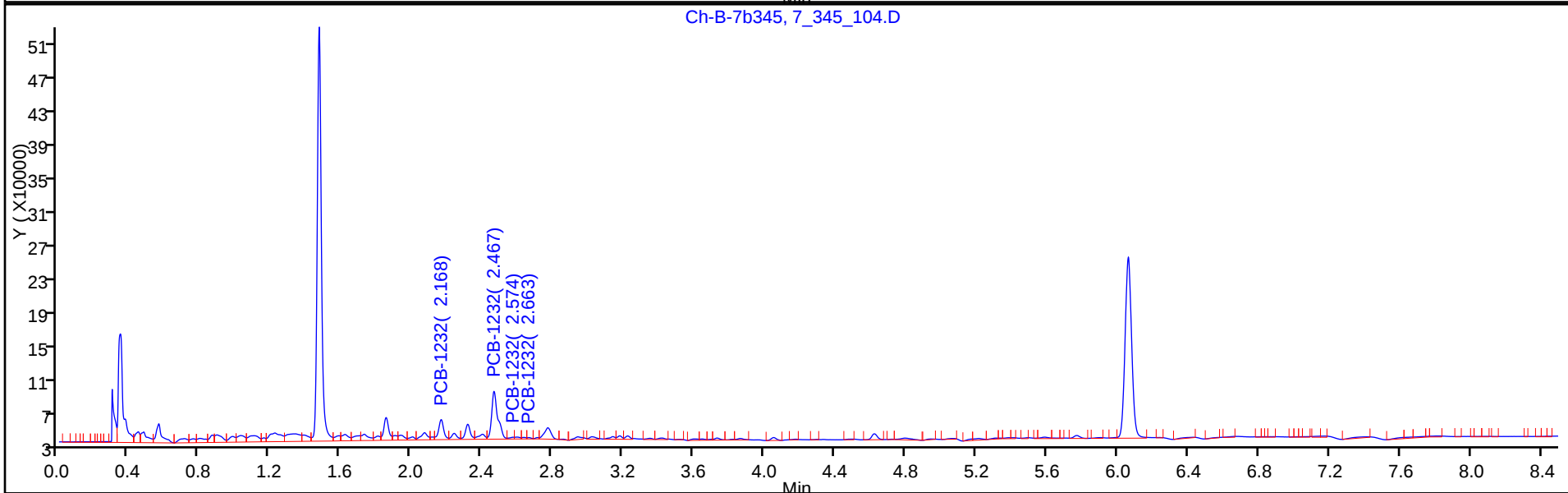
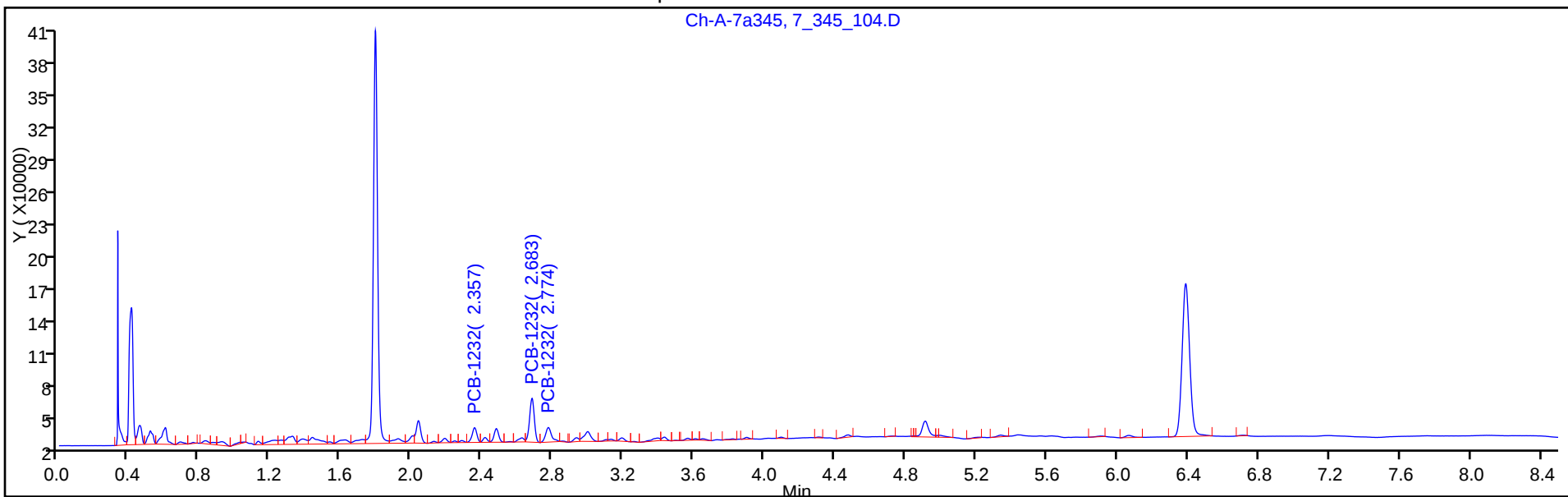
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-WL-002 Tire Lab Sample ID: 480-66056-2
Matrix: Wipe Lab File ID: 7_345_104.D
Analysis Method: 8082A Date Collected: 08/21/2014 18:00
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:03
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		57-173
2051-24-3	DCB Decachlorobiphenyl	97		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_104.D
 Lims ID: 480-66056-A-2-A Lab Sample ID: 480-66056-2
 Client ID: AS-DECON-WL-002 Tire
 Sample Type: Client
 Inject. Date: 25-Aug-2014 14:03:04 ALS Bottle#: 0 Worklist Smp#: 104
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:11:40 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:11:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	617711	0.0216
2	1.476	1.475	0.001	805834	0.0195
RPD = 10.47					

5 PCB-1232

1	2.357	2.336	0.021	25172	0.0510
1	2.683	2.670	0.012	74812	0.0777
1	2.774	2.751	0.023	31224	0.0830
1	0.000	2.810	-2.810	0	0
Average of Peak Amounts =					0.0705
2	2.168	2.156	0.012	48067	0.0674
2	2.467	2.457	0.010	136924	0.0981
2	2.574	2.570	0.004	3995	0.007723
2	2.663	2.661	0.001	2548	0.008762
Average of Peak Amounts =					0.0455
RPD = 43.18					

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	415482	0.0210
2	6.063	6.061	0.002	557714	0.0194
RPD = 7.68					

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_104.D

Injection Date: 25-Aug-2014 14:03:04

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-2-A

Lab Sample ID: 480-66056-2

Worklist Smp#: 104

Client ID: AS-DECON-WL-002 Tire

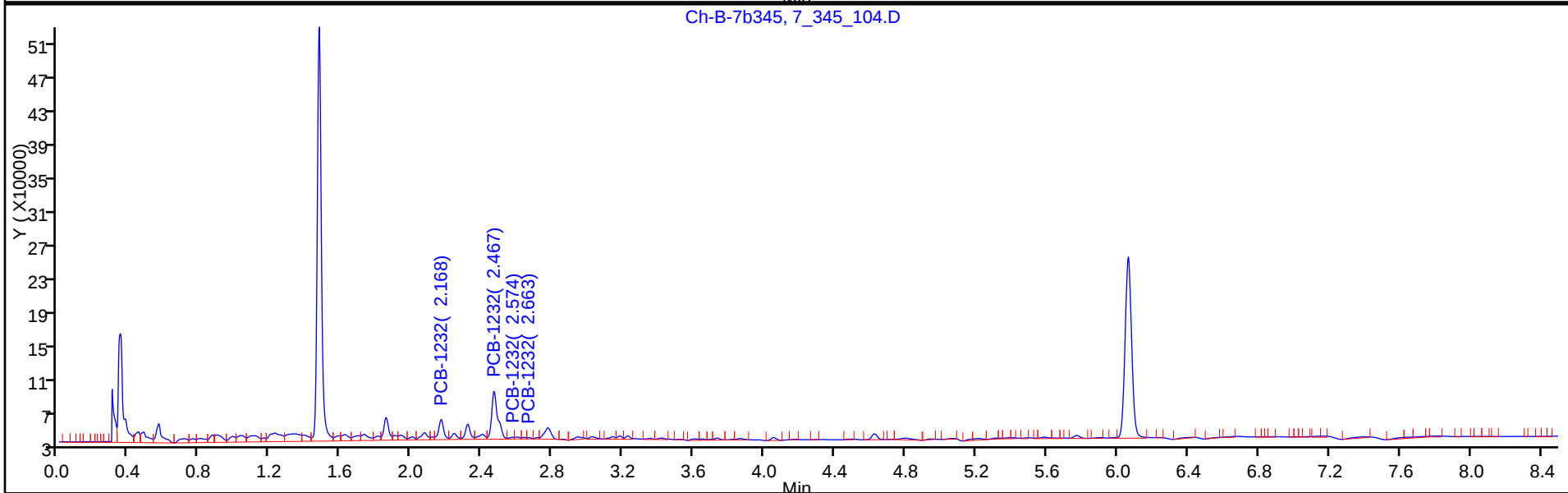
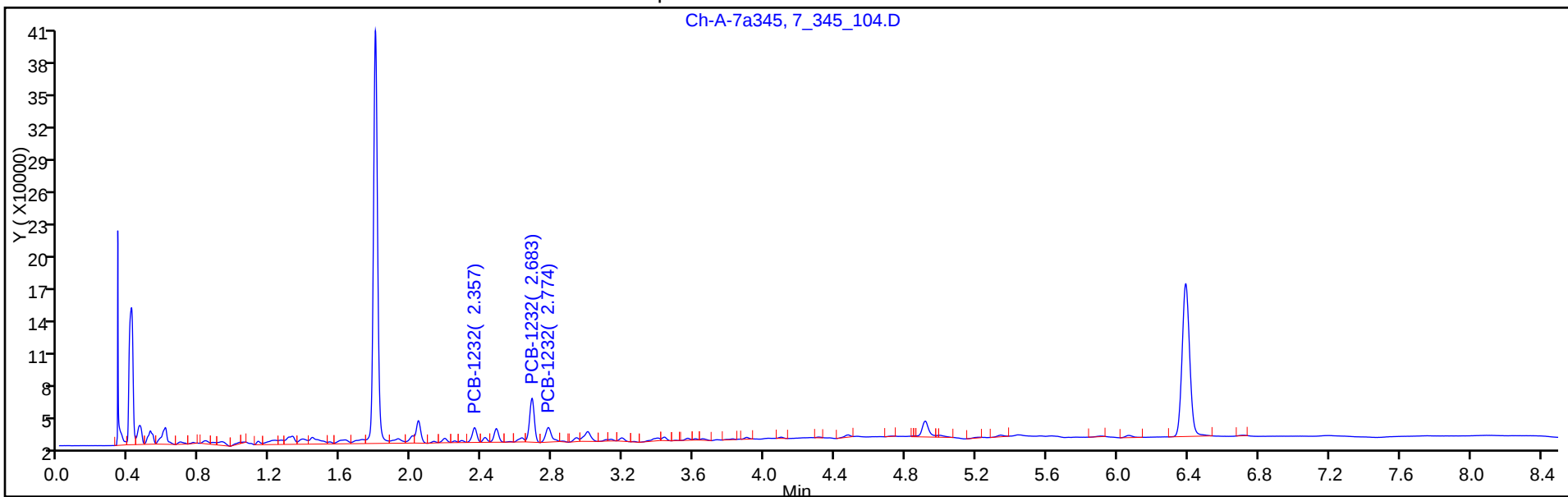
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-WL-003 Tire Lab Sample ID: 480-66056-3
 Matrix: Wipe Lab File ID: 7_345_105.D
 Analysis Method: 8082A Date Collected: 08/21/2014 18:00
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:18
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		57-173
2051-24-3	DCB Decachlorobiphenyl	92		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_105.D
Lims ID: 480-66056-A-3-A Lab Sample ID: 480-66056-3
Client ID: AS-DECON-WL-003 Tire
Sample Type: Client
Inject. Date: 25-Aug-2014 14:18:57 ALS Bottle#: 0 Worklist Smp#: 105
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:11:49 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:11:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	539358	0.0189	
2	1.476	1.475	0.001	678588	0.0164	
RPD = 14.08						

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	363616	0.0184	
2	6.062	6.061	0.001	497258	0.0173	
RPD = 5.82						

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_105.D

Injection Date: 25-Aug-2014 14:18:57

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-3-A

Lab Sample ID: 480-66056-3

Worklist Smp#: 105

Client ID: AS-DECON-WL-003 Tire

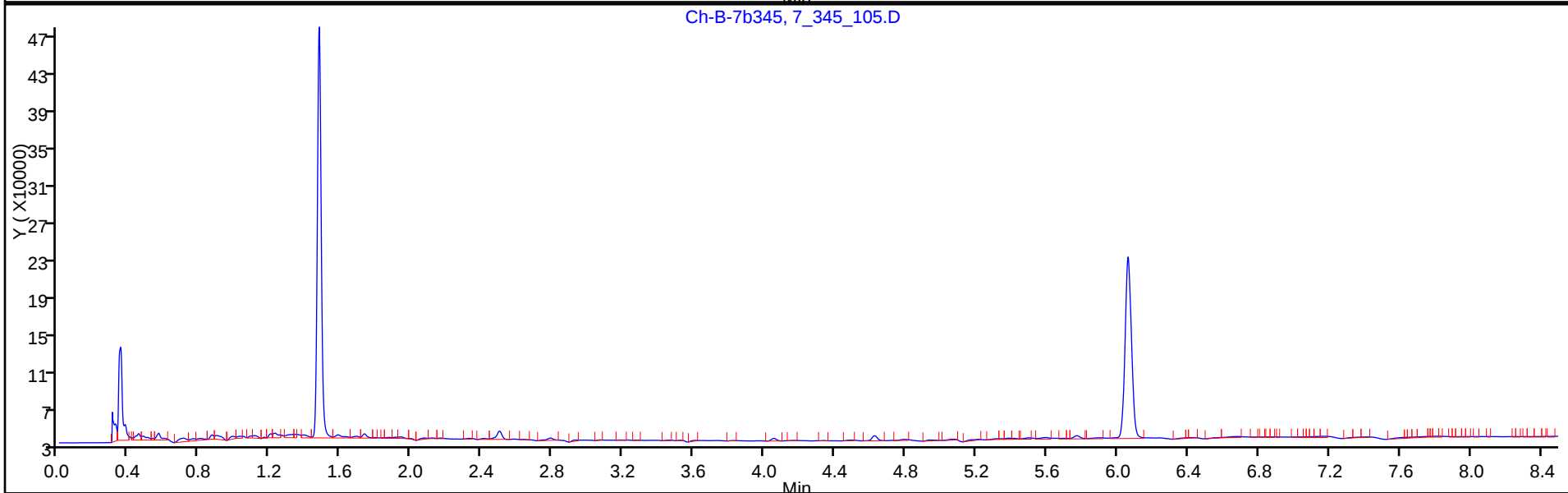
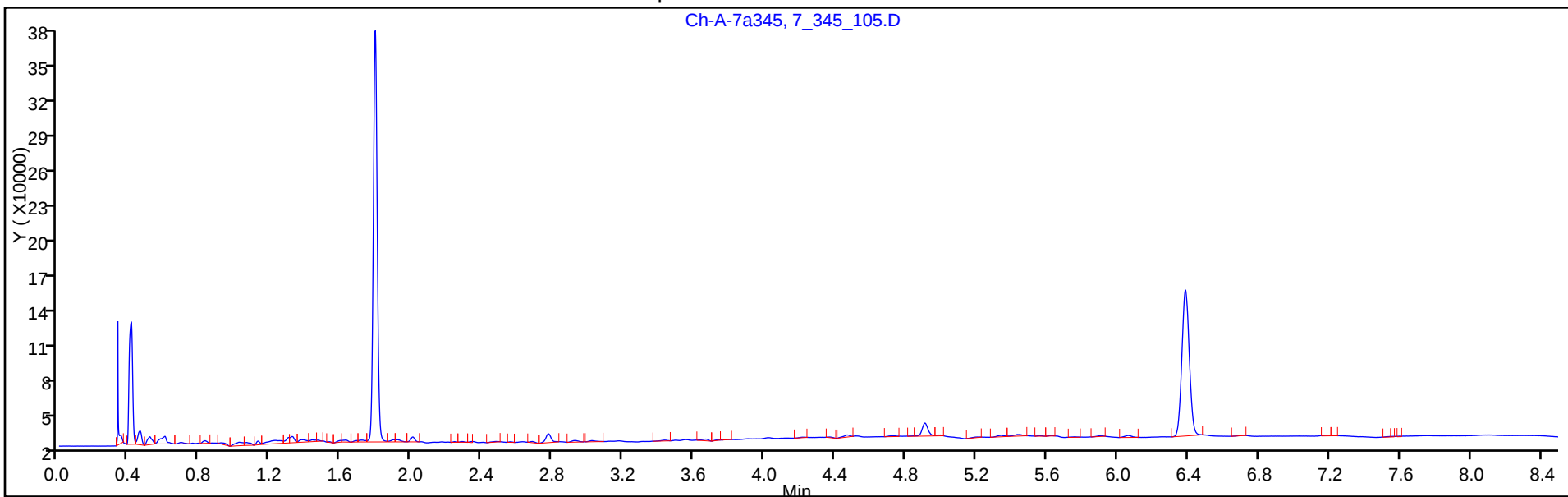
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-WL-003 Tire Lab Sample ID: 480-66056-3
Matrix: Wipe Lab File ID: 7_345_105.D
Analysis Method: 8082A Date Collected: 08/21/2014 18:00
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:18
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		57-173
2051-24-3	DCB Decachlorobiphenyl	87		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_105.D
Lims ID: 480-66056-A-3-A Lab Sample ID: 480-66056-3
Client ID: AS-DECON-WL-003 Tire
Sample Type: Client
Inject. Date: 25-Aug-2014 14:18:57 ALS Bottle#: 0 Worklist Smp#: 105
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:11:49 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:11:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	539358	0.0189	
2	1.476	1.475	0.001	678588	0.0164	
RPD = 14.08						

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	363616	0.0184	
2	6.062	6.061	0.001	497258	0.0173	
RPD = 5.82						

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_105.D

Injection Date: 25-Aug-2014 14:18:57

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-3-A

Lab Sample ID: 480-66056-3

Worklist Smp#: 105

Client ID: AS-DECON-WL-003 Tire

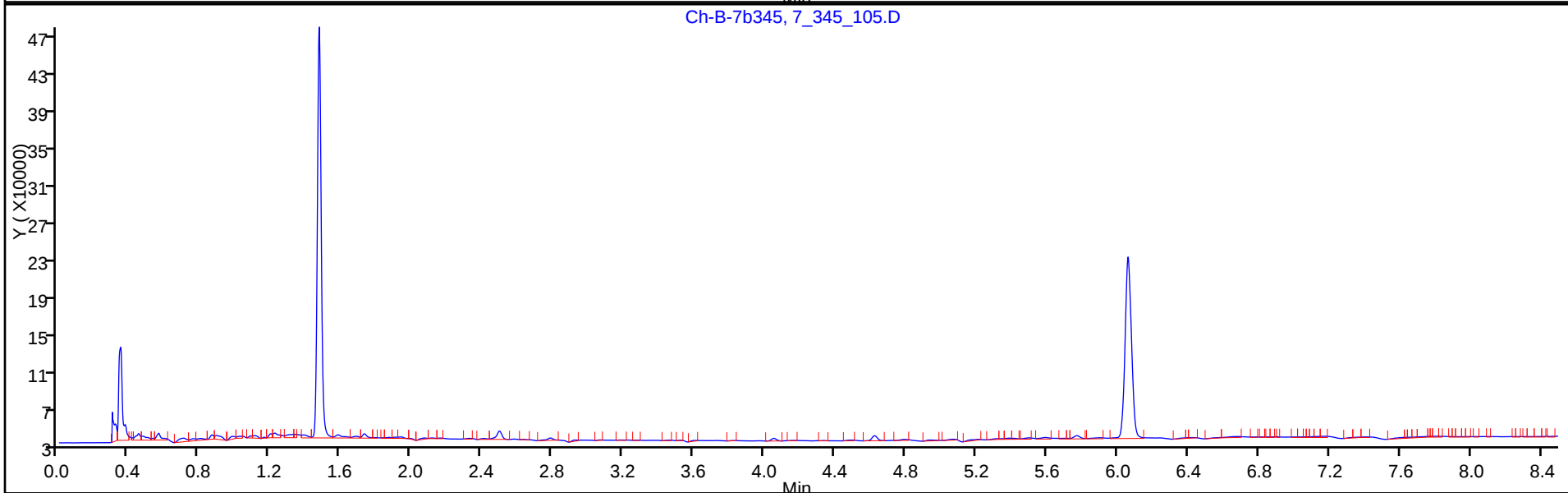
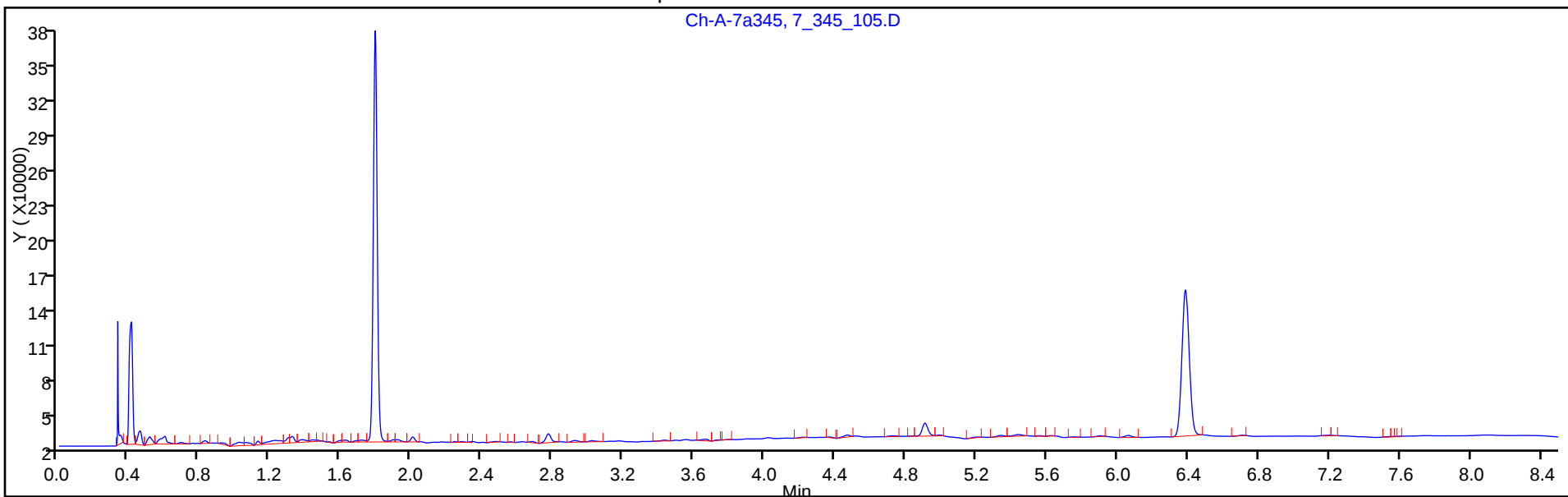
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-WL-004 Frame Lab Sample ID: 480-66056-4
 Matrix: Wipe Lab File ID: 7_345_106.D
 Analysis Method: 8082A Date Collected: 08/21/2014 18:00
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:34
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		57-173
2051-24-3	DCB Decachlorobiphenyl	102		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_106.D
Lims ID: 480-66056-A-4-A Lab Sample ID: 480-66056-4
Client ID: AS-DECON-WL-004 Frame
Sample Type: Client
Inject. Date: 25-Aug-2014 14:34:44 ALS Bottle#: 0 Worklist Smp#: 106
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:12:01 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:12:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	578823	0.0203
2	1.476	1.475	0.001	693336	0.0168

RPD = 18.96

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	405008	0.0204
2	6.063	6.061	0.002	550735	0.0192

RPD = 6.39

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_106.D

Injection Date: 25-Aug-2014 14:34:44

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-4-A

Lab Sample ID: 480-66056-4

Worklist Smp#: 106

Client ID: AS-DECON-WL-004 Frame

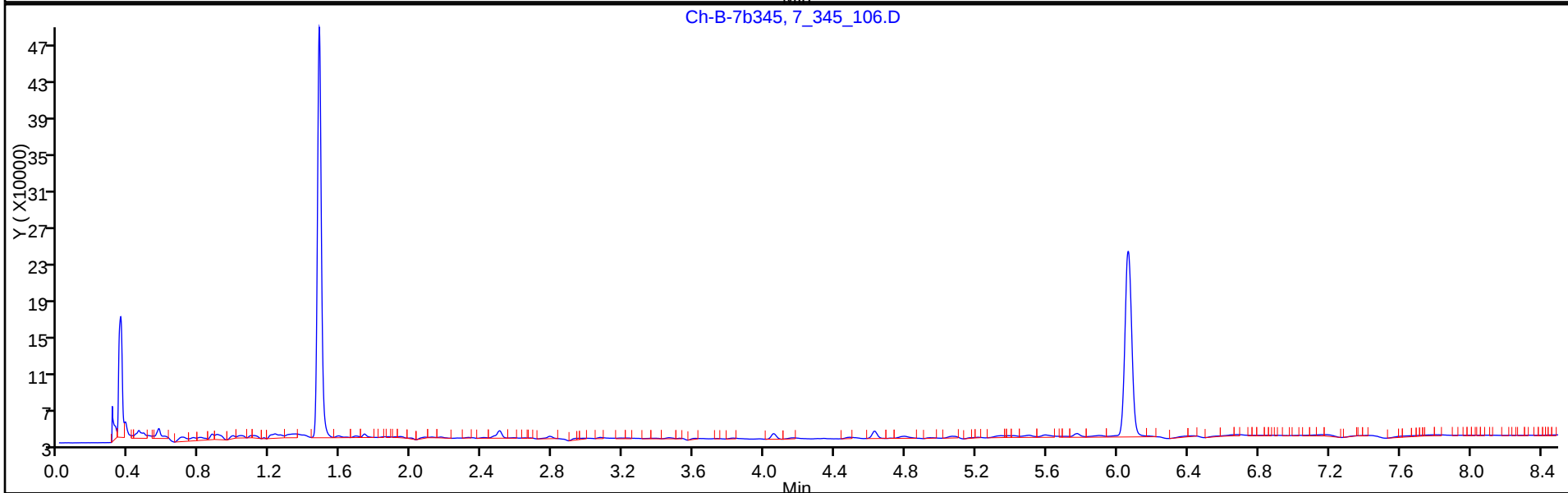
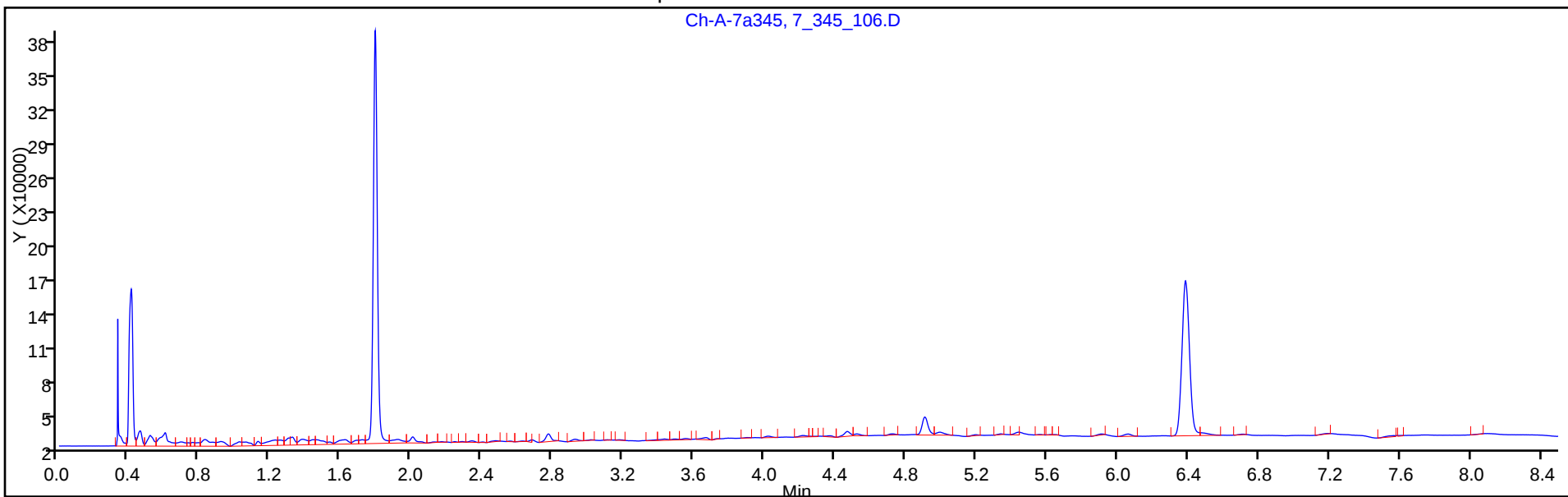
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-WL-004 Frame Lab Sample ID: 480-66056-4
Matrix: Wipe Lab File ID: 7_345_106.D
Analysis Method: 8082A Date Collected: 08/21/2014 18:00
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:34
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		57-173
2051-24-3	DCB Decachlorobiphenyl	96		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_106.D
Lims ID: 480-66056-A-4-A Lab Sample ID: 480-66056-4
Client ID: AS-DECON-WL-004 Frame
Sample Type: Client
Inject. Date: 25-Aug-2014 14:34:44 ALS Bottle#: 0 Worklist Smp#: 106
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:12:01 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:12:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	578823	0.0203
2	1.476	1.475	0.001	693336	0.0168

RPD = 18.96

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	405008	0.0204
2	6.063	6.061	0.002	550735	0.0192

RPD = 6.39

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_106.D

Injection Date: 25-Aug-2014 14:34:44

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-4-A

Lab Sample ID: 480-66056-4

Worklist Smp#: 106

Client ID: AS-DECON-WL-004 Frame

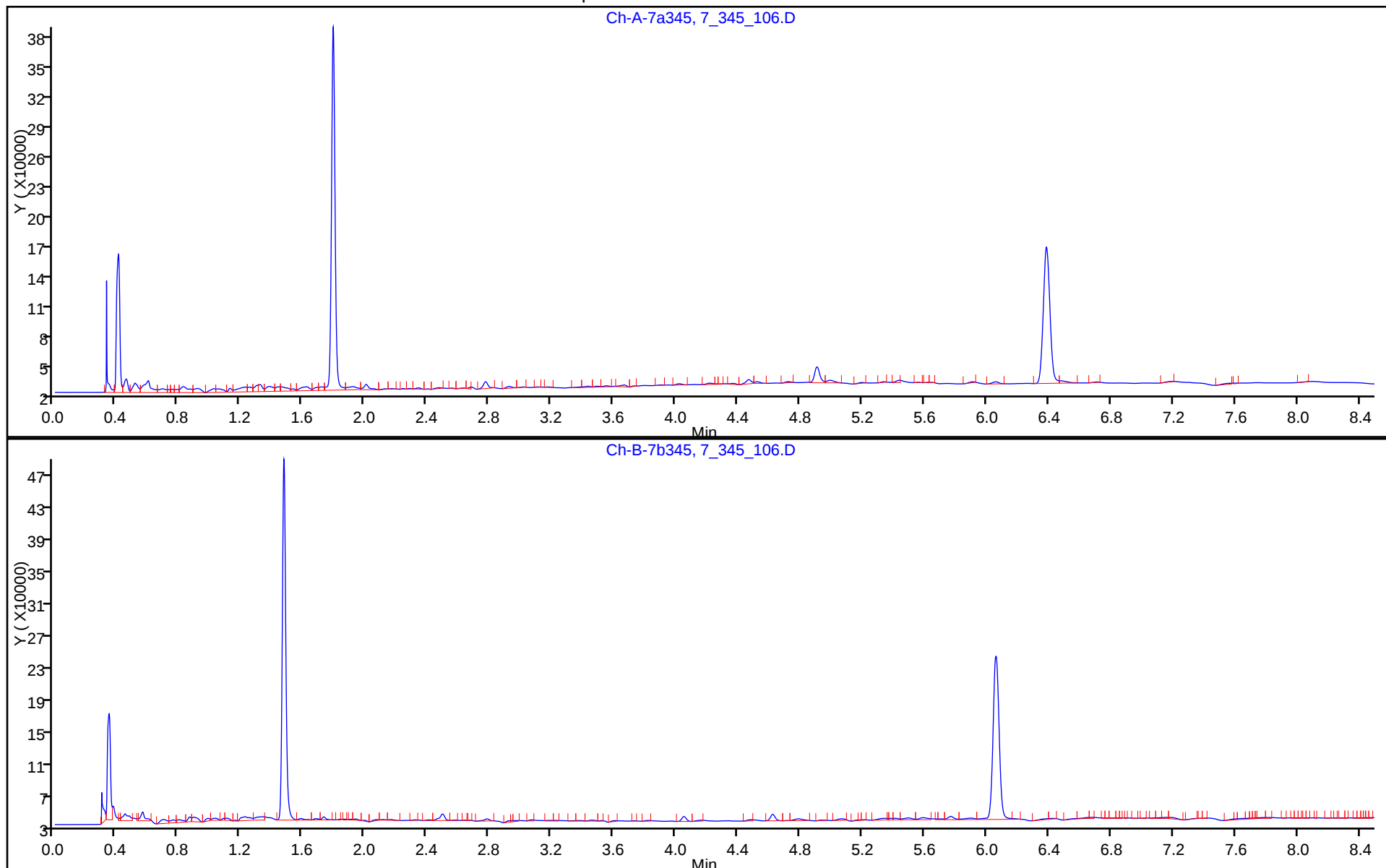
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-EX-001 Track Lab Sample ID: 480-66056-5
 Matrix: Wipe Lab File ID: 7_345_107.D
 Analysis Method: 8082A Date Collected: 08/22/2014 08:30
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:50
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		57-173
2051-24-3	DCB Decachlorobiphenyl	102		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_107.D
Lims ID: 480-66056-A-5-A Lab Sample ID: 480-66056-5
Client ID: AS-DECON-EX-001 Track
Sample Type: Client
Inject. Date: 25-Aug-2014 14:50:45 ALS Bottle#: 0 Worklist Smp#: 107
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:12:10 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:12:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	563536	0.0197
2	1.475	1.475	0.000	681797	0.0165

RPD = 17.97

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	402479	0.0203
2	6.063	6.061	0.001	524081	0.0182

RPD = 10.72

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_107.D

Injection Date: 25-Aug-2014 14:50:45

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-5-A

Lab Sample ID: 480-66056-5

Worklist Smp#: 107

Client ID: AS-DECON-EX-001 Track

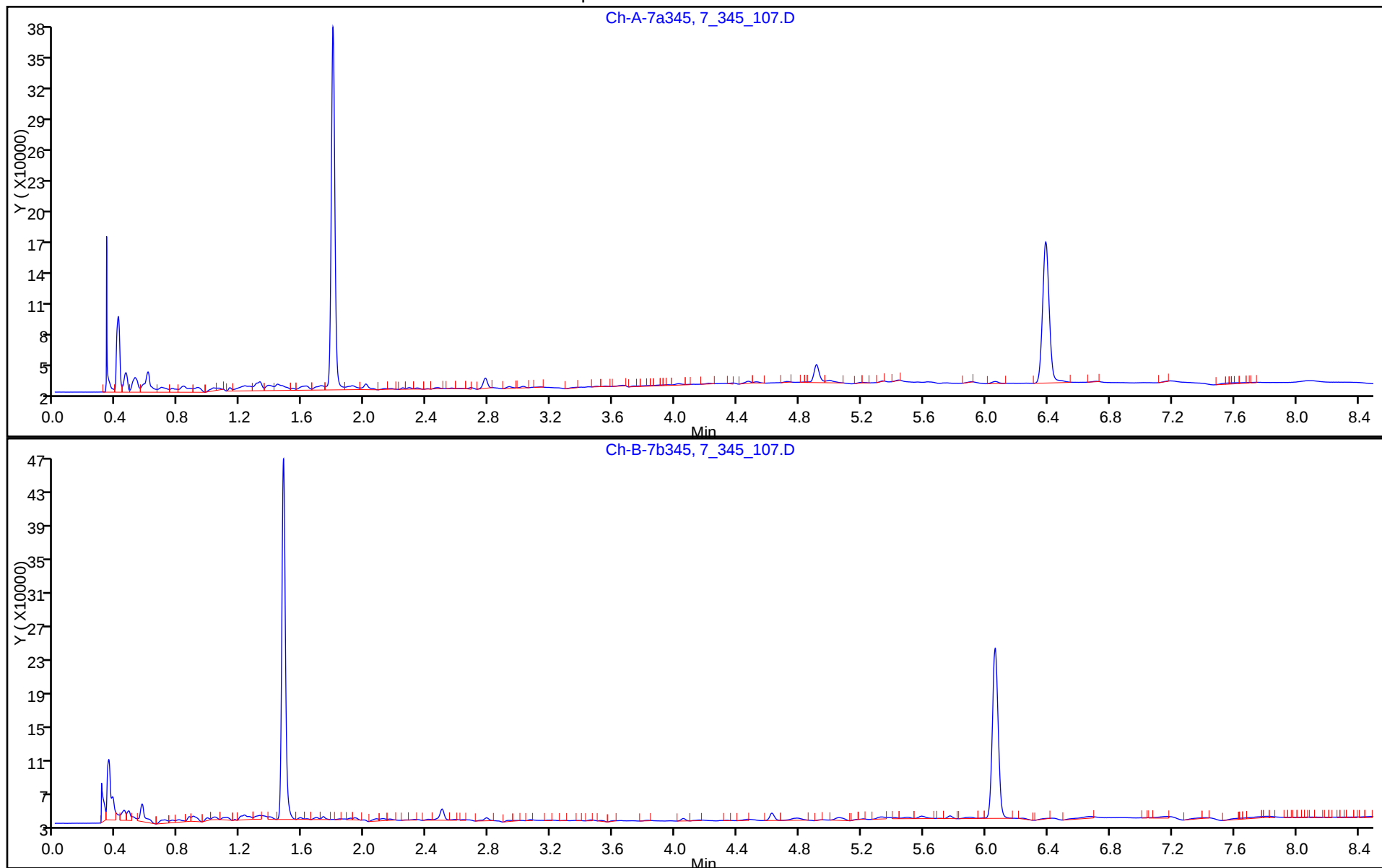
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-EX-001 Track Lab Sample ID: 480-66056-5
Matrix: Wipe Lab File ID: 7_345_107.D
Analysis Method: 8082A Date Collected: 08/22/2014 08:30
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 14:50
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		57-173
2051-24-3	DCB Decachlorobiphenyl	91		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_107.D
Lims ID: 480-66056-A-5-A Lab Sample ID: 480-66056-5
Client ID: AS-DECON-EX-001 Track
Sample Type: Client
Inject. Date: 25-Aug-2014 14:50:45 ALS Bottle#: 0 Worklist Smp#: 107
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:12:10 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:12:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	563536	0.0197
2	1.475	1.475	0.000	681797	0.0165

RPD = 17.97

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	402479	0.0203
2	6.063	6.061	0.001	524081	0.0182

RPD = 10.72

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_107.D

Injection Date: 25-Aug-2014 14:50:45

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-5-A

Lab Sample ID: 480-66056-5

Worklist Smp#: 107

Client ID: AS-DECON-EX-001 Track

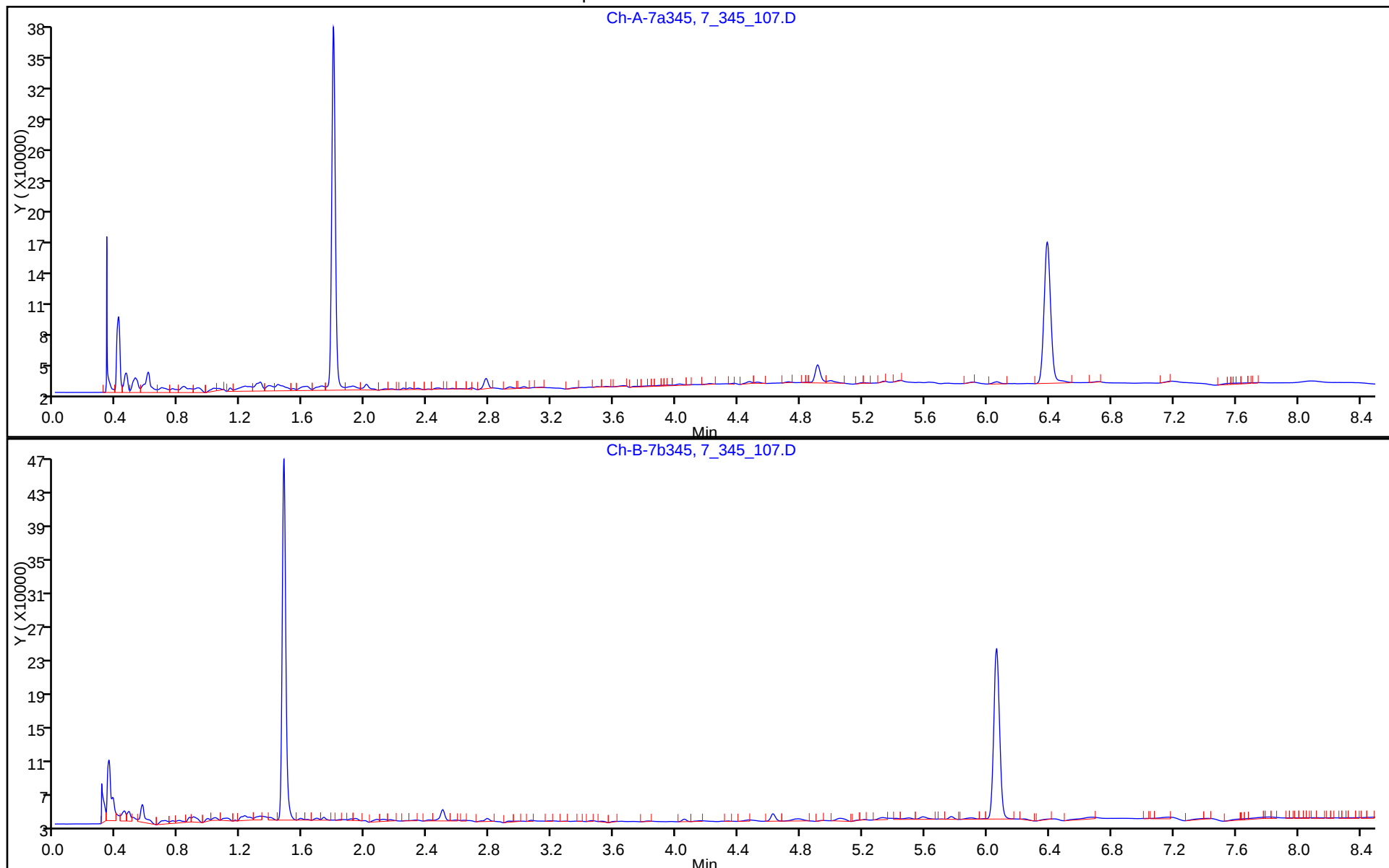
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-EX-002 Bucket Lab Sample ID: 480-66056-6
 Matrix: Wipe Lab File ID: 7_345_108.D
 Analysis Method: 8082A Date Collected: 08/22/2014 08:30
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 15:06
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		57-173
2051-24-3	DCB Decachlorobiphenyl	96		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_108.D
Lims ID: 480-66056-A-6-A Lab Sample ID: 480-66056-6
Client ID: AS-DECON-EX-002 Bucket
Sample Type: Client
Inject. Date: 25-Aug-2014 15:06:33 ALS Bottle#: 0 Worklist Smp#: 108
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:24:47 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:24:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	541040	0.0189
2	1.476	1.475	0.001	651328	0.0157

RPD = 18.46

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	381113	0.0192
2	6.063	6.061	0.001	515811	0.0180

RPD = 6.86

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_108.D

Injection Date: 25-Aug-2014 15:06:33

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-6-A

Lab Sample ID: 480-66056-6

Worklist Smp#: 108

Client ID: AS-DECON-EX-002 Bucket

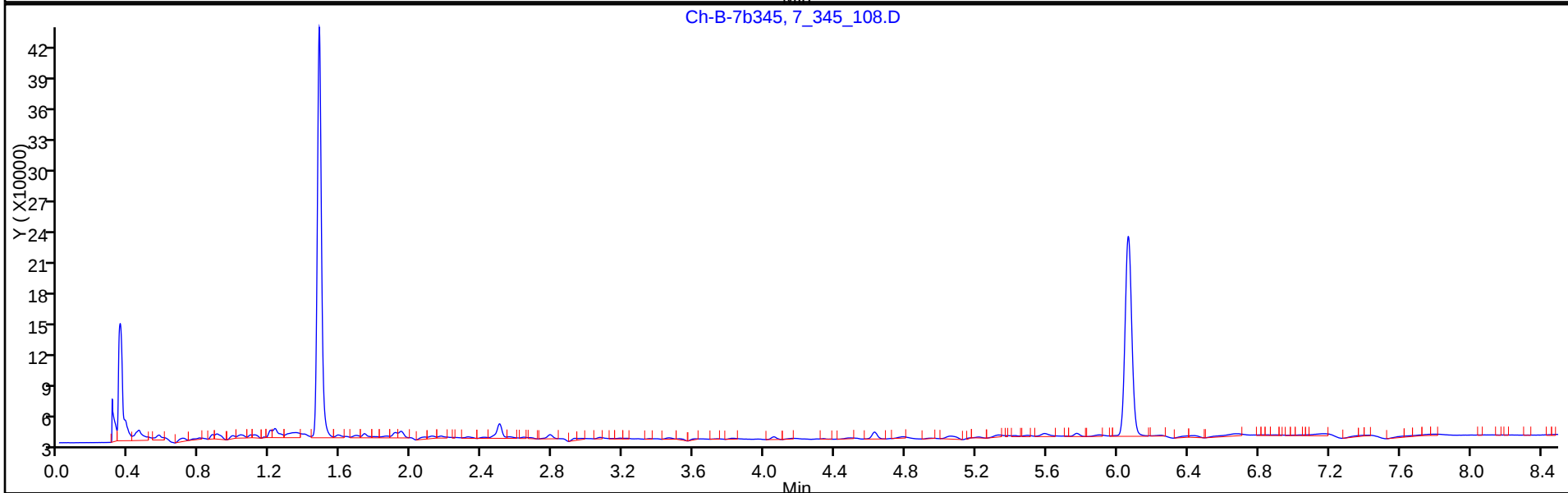
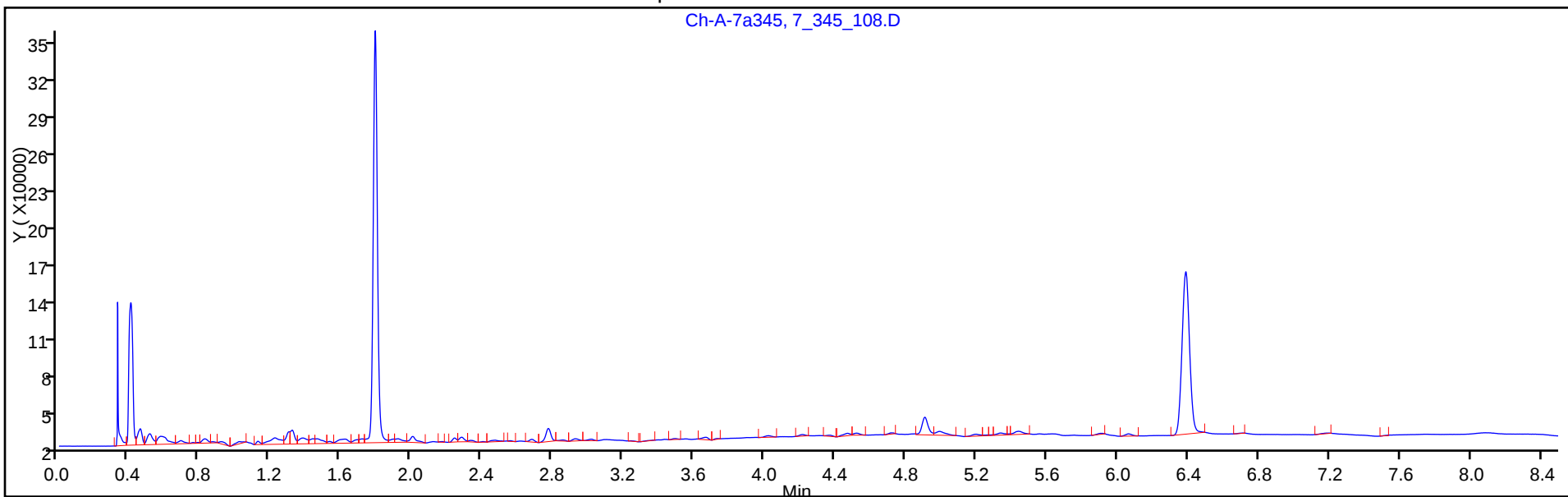
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-EX-002 Bucket Lab Sample ID: 480-66056-6
Matrix: Wipe Lab File ID: 7_345_108.D
Analysis Method: 8082A Date Collected: 08/22/2014 08:30
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 15:06
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		57-173
2051-24-3	DCB Decachlorobiphenyl	90		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_108.D
 Lims ID: 480-66056-A-6-A Lab Sample ID: 480-66056-6
 Client ID: AS-DECON-EX-002 Bucket
 Sample Type: Client
 Inject. Date: 25-Aug-2014 15:06:33 ALS Bottle#: 0 Worklist Smp#: 108
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:24:47 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:24:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.794	-0.001	541040	0.0189
2	1.476	1.475	0.001	651328	0.0157

RPD = 18.46

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	381113	0.0192
2	6.063	6.061	0.001	515811	0.0180

RPD = 6.86

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_108.D

Injection Date: 25-Aug-2014 15:06:33

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-6-A

Lab Sample ID: 480-66056-6

Worklist Smp#: 108

Client ID: AS-DECON-EX-002 Bucket

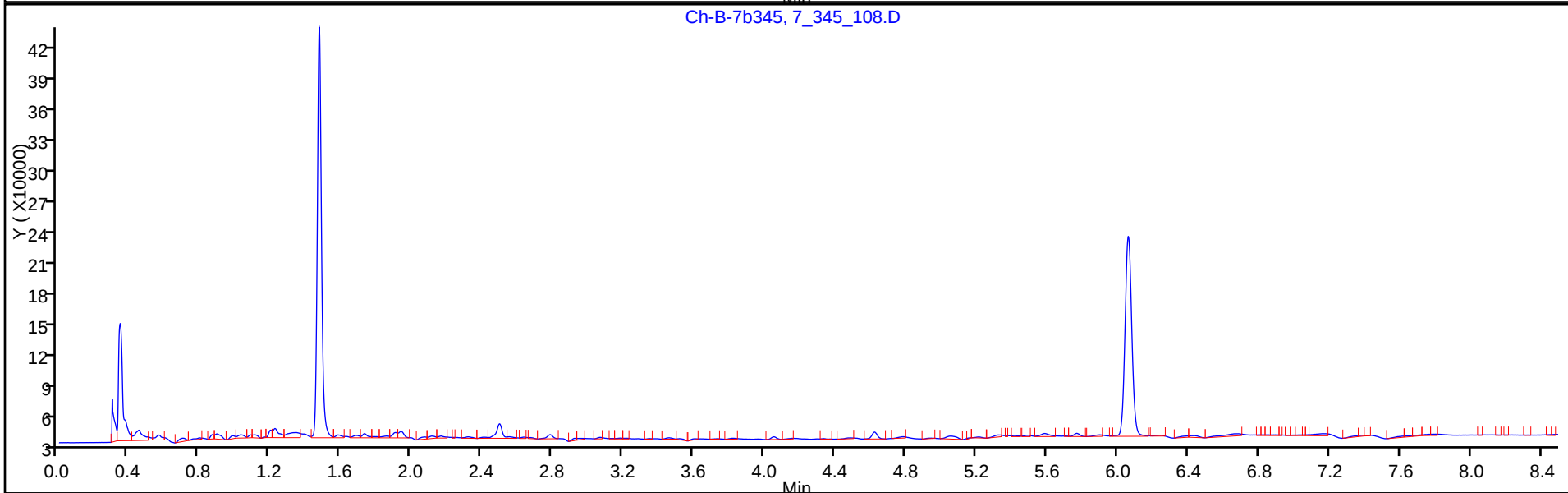
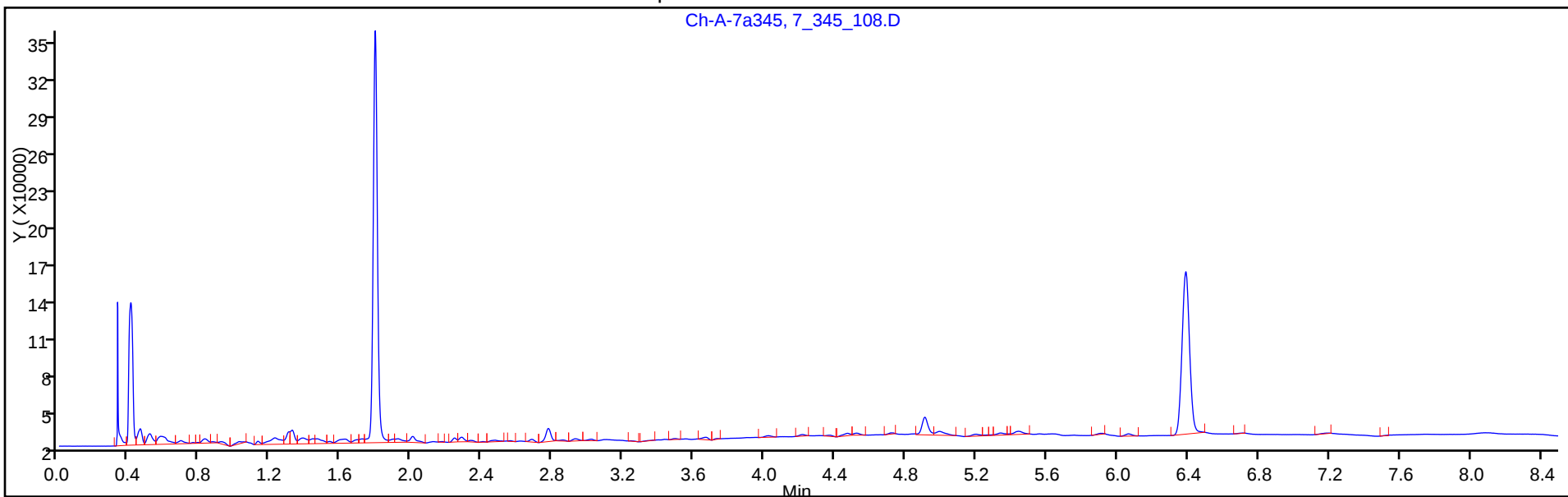
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-EX-003 Frame Lab Sample ID: 480-66056-7
 Matrix: Wipe Lab File ID: 7_345_109.D
 Analysis Method: 8082A Date Collected: 08/22/2014 08:30
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 15:22
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		57-173
2051-24-3	DCB Decachlorobiphenyl	97		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_109.D
 Lims ID: 480-66056-A-7-A Lab Sample ID: 480-66056-7
 Client ID: AS-DECON-EX-003 Frame
 Sample Type: Client
 Inject. Date: 25-Aug-2014 15:22:23 ALS Bottle#: 0 Worklist Smp#: 109
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:34:26 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:34:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.796	1.794	0.002	531702	0.0186
2	1.476	1.475	0.001	640546	0.0155

RPD = 18.39

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	383424	0.0194
2	6.063	6.061	0.001	523325	0.0182

RPD = 6.02

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_109.D

Injection Date: 25-Aug-2014 15:22:23

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-7-A

Lab Sample ID: 480-66056-7

Worklist Smp#: 109

Client ID: AS-DECON-EX-003 Frame

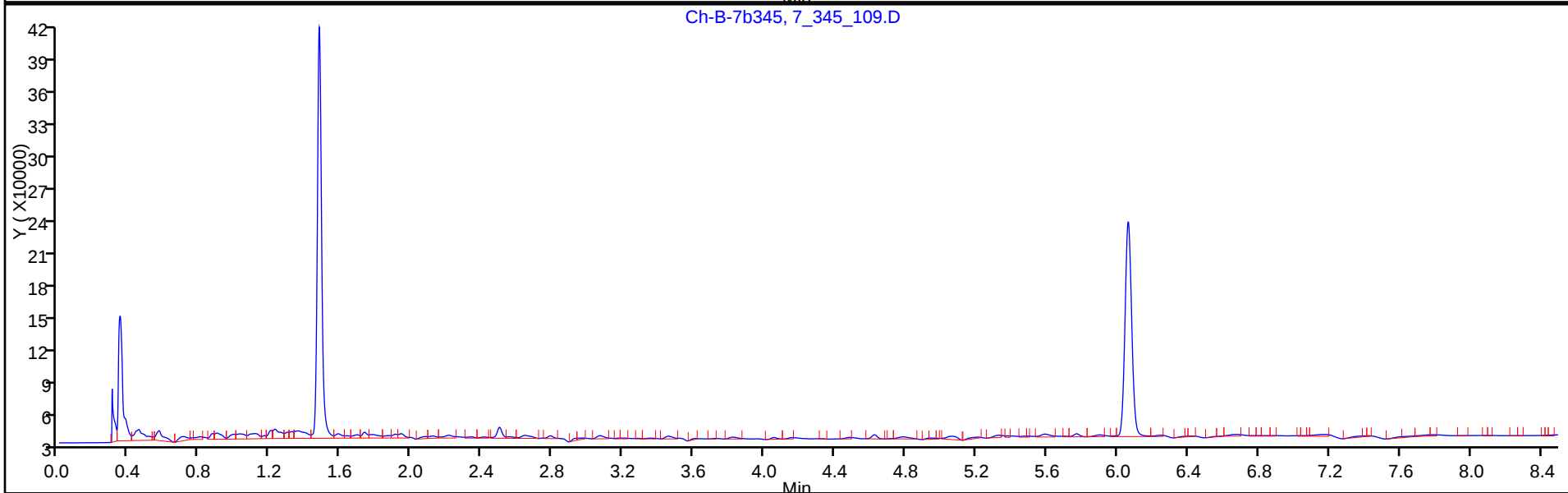
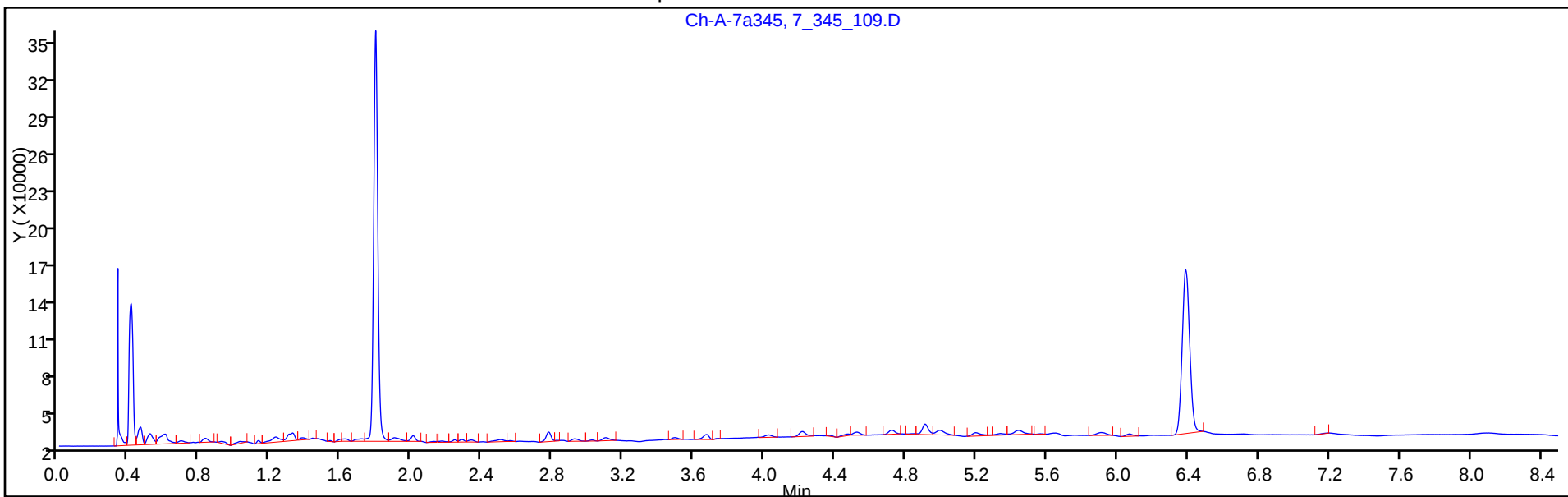
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-EX-003 Frame Lab Sample ID: 480-66056-7
Matrix: Wipe Lab File ID: 7_345_109.D
Analysis Method: 8082A Date Collected: 08/22/2014 08:30
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 15:22
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		57-173
2051-24-3	DCB Decachlorobiphenyl	91		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_109.D
Lims ID: 480-66056-A-7-A Lab Sample ID: 480-66056-7
Client ID: AS-DECON-EX-003 Frame
Sample Type: Client
Inject. Date: 25-Aug-2014 15:22:23 ALS Bottle#: 0 Worklist Smp#: 109
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:34:26 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:34:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.796	1.794	0.002	531702	0.0186
2	1.476	1.475	0.001	640546	0.0155
RPD = 18.39					

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	383424	0.0194
2	6.063	6.061	0.001	523325	0.0182
RPD = 6.02					

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_109.D

Injection Date: 25-Aug-2014 15:22:23

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-7-A

Lab Sample ID: 480-66056-7

Worklist Smp#: 109

Client ID: AS-DECON-EX-003 Frame

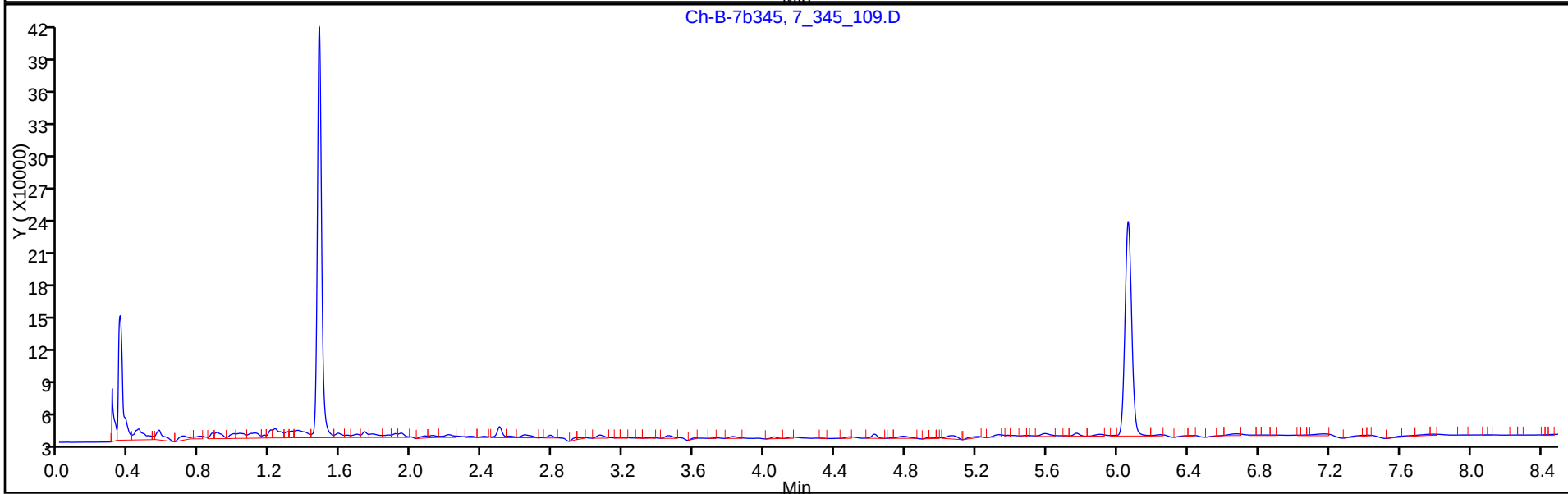
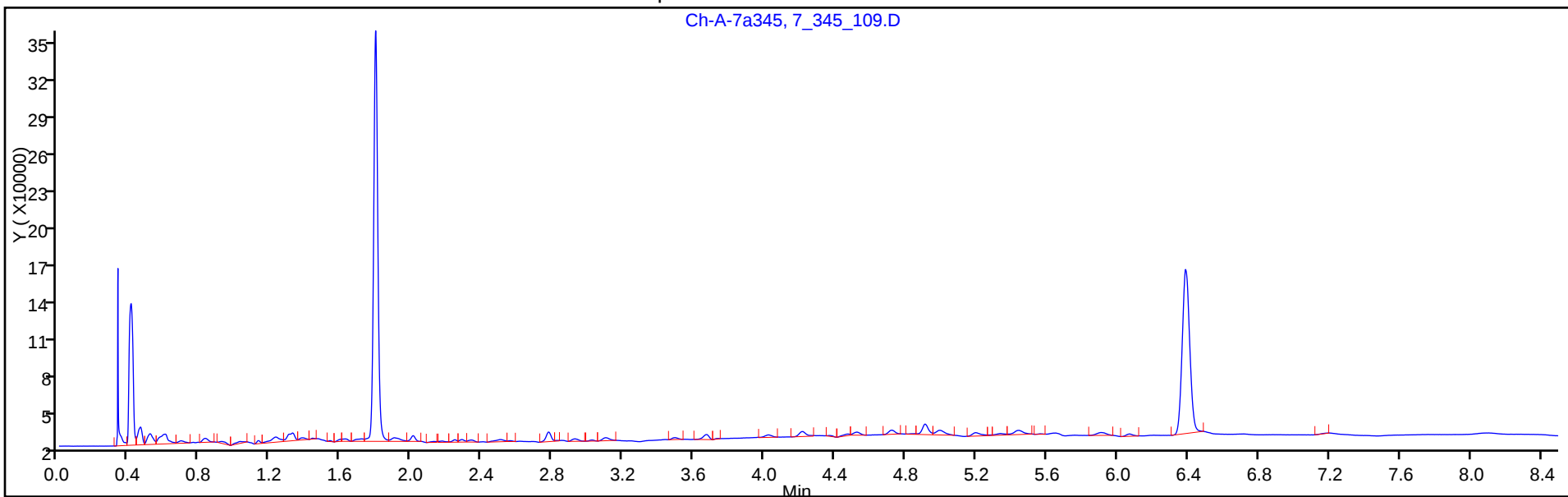
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-EX-004 Track Lab Sample ID: 480-66056-8
 Matrix: Wipe Lab File ID: 7_345_042.D
 Analysis Method: 8082A Date Collected: 08/22/2014 08:30
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/24/2014 20:55
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		57-173
2051-24-3	DCB Decachlorobiphenyl	74		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_042.D
Lims ID: 480-66056-A-8-A Lab Sample ID: 480-66056-8
Client ID: AS-DECON-EX-004 Track
Sample Type: Client
Inject. Date: 24-Aug-2014 20:55:52 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 10:20:27 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:20:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.793	0.002	515345	0.0180
2	1.475	1.476	-0.001	668548	0.0162

RPD = 11.03

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.388	0.001	291274	0.0147
2	6.061	6.064	-0.003	379658	0.0132

RPD = 10.62

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_042.D

Injection Date: 24-Aug-2014 20:55:52

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-8-A

Lab Sample ID: 480-66056-8

Worklist Smp#: 42

Client ID: AS-DECON-EX-004 Track

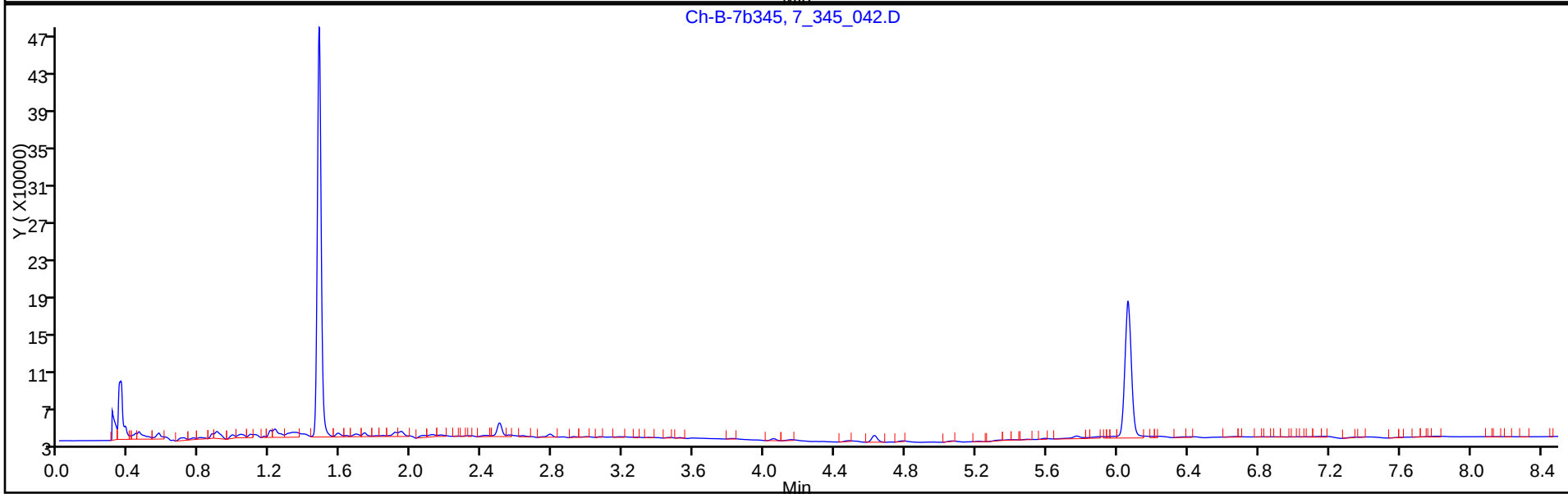
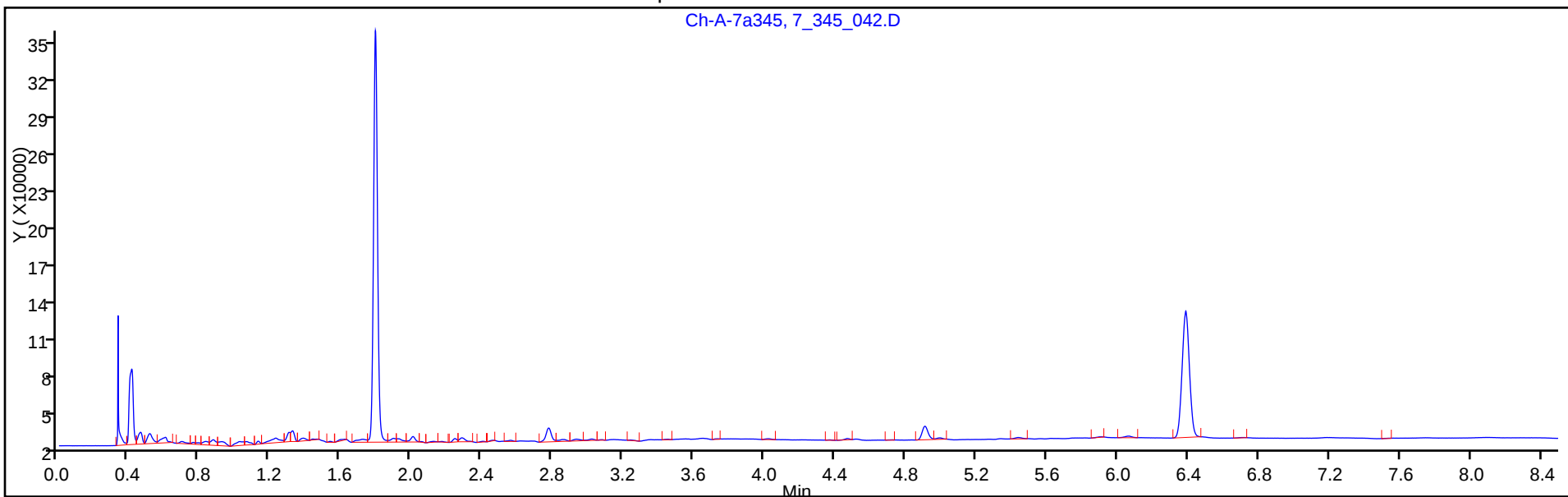
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-EX-004 Track Lab Sample ID: 480-66056-8
Matrix: Wipe Lab File ID: 7_345_042.D
Analysis Method: 8082A Date Collected: 08/22/2014 08:30
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/24/2014 20:55
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	81		57-173
2051-24-3	DCB Decachlorobiphenyl	66		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_042.D
Lims ID: 480-66056-A-8-A Lab Sample ID: 480-66056-8
Client ID: AS-DECON-EX-004 Track
Sample Type: Client
Inject. Date: 24-Aug-2014 20:55:52 ALS Bottle#: 0 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 10:20:27 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:20:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.793	0.002	515345	0.0180
2	1.475	1.476	-0.001	668548	0.0162
RPD = 11.03					

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.388	0.001	291274	0.0147
2	6.061	6.064	-0.003	379658	0.0132
RPD = 10.62					

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_042.D

Injection Date: 24-Aug-2014 20:55:52

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-8-A

Lab Sample ID: 480-66056-8

Worklist Smp#: 42

Client ID: AS-DECON-EX-004 Track

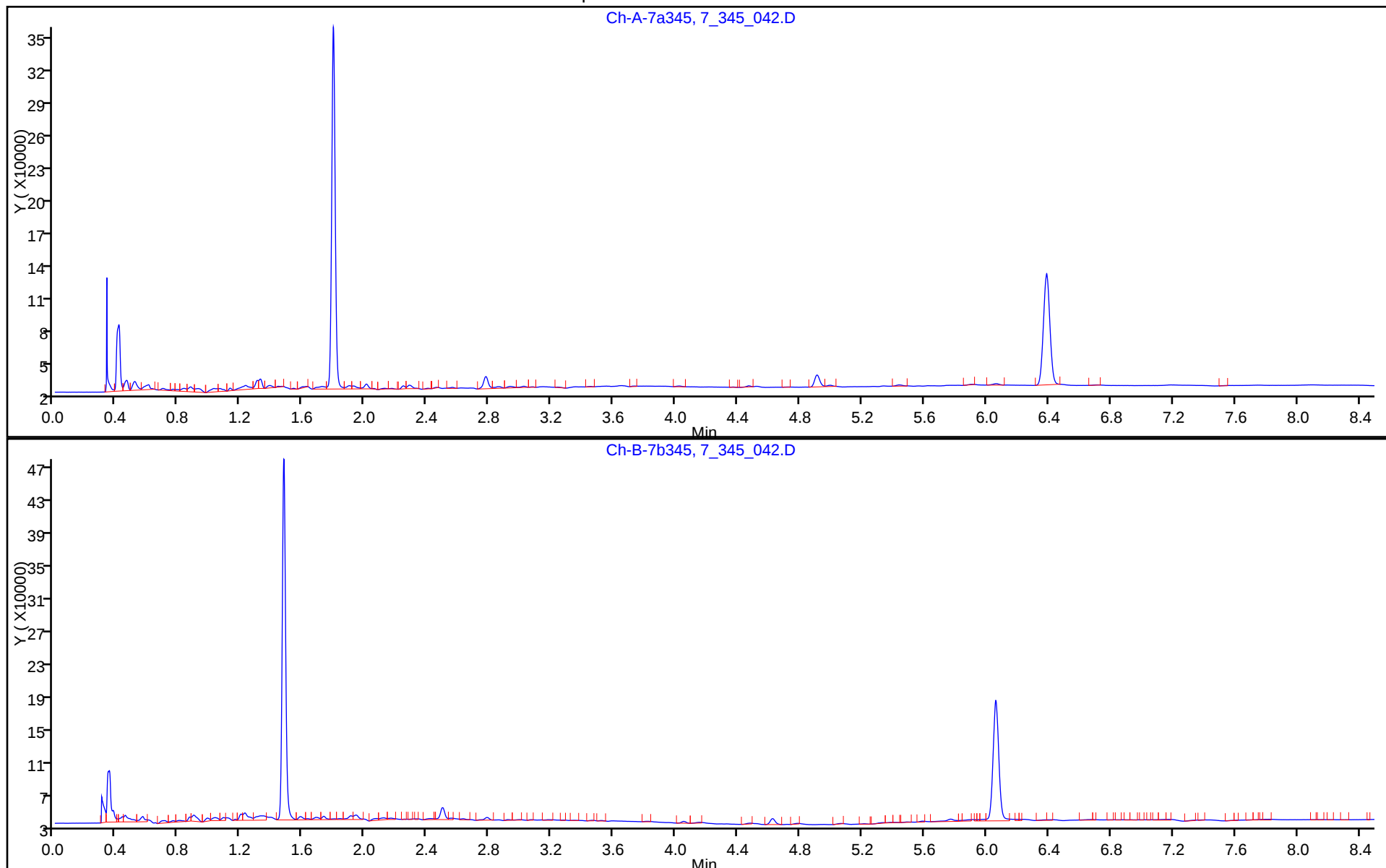
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: AS-DECON-EX1-001 Bucket Lab Sample ID: 480-66056-9
 Matrix: Wipe Lab File ID: 7_345_043.D
 Analysis Method: 8082A Date Collected: 08/22/2014 10:45
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/24/2014 21:11
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		57-173
2051-24-3	DCB Decachlorobiphenyl	77		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_043.D
 Lims ID: 480-66056-A-9-A Lab Sample ID: 480-66056-9
 Client ID: AS-DECON-EX1-001 Bucket
 Sample Type: Client
 Inject. Date: 24-Aug-2014 21:11:52 ALS Bottle#: 0 Worklist Smp#: 43
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 10:20:36 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:20:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.793	0.001	534499	0.0187
2	1.474	1.476	-0.002	725309	0.0175

RPD = 6.54

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.388	0.001	303666	0.0153
2	6.062	6.064	-0.002	403983	0.0141

RPD = 8.58

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_043.D

Injection Date: 24-Aug-2014 21:11:52

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-9-A

Lab Sample ID: 480-66056-9

Worklist Smp#: 43

Client ID: AS-DECON-EX1-001 Bucket

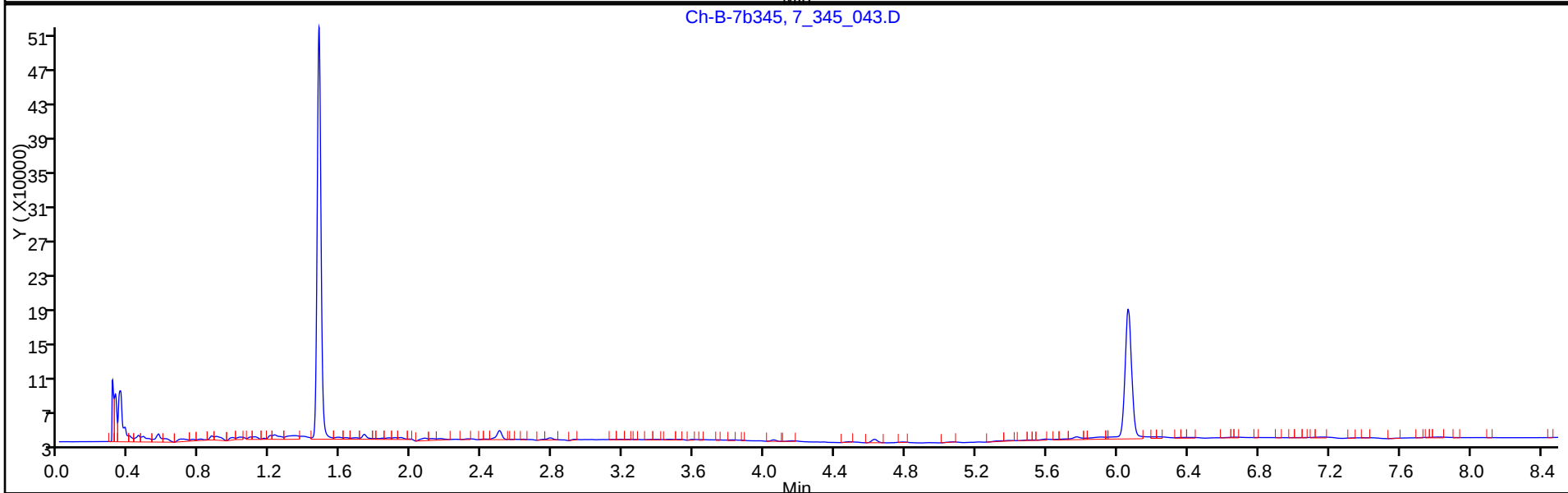
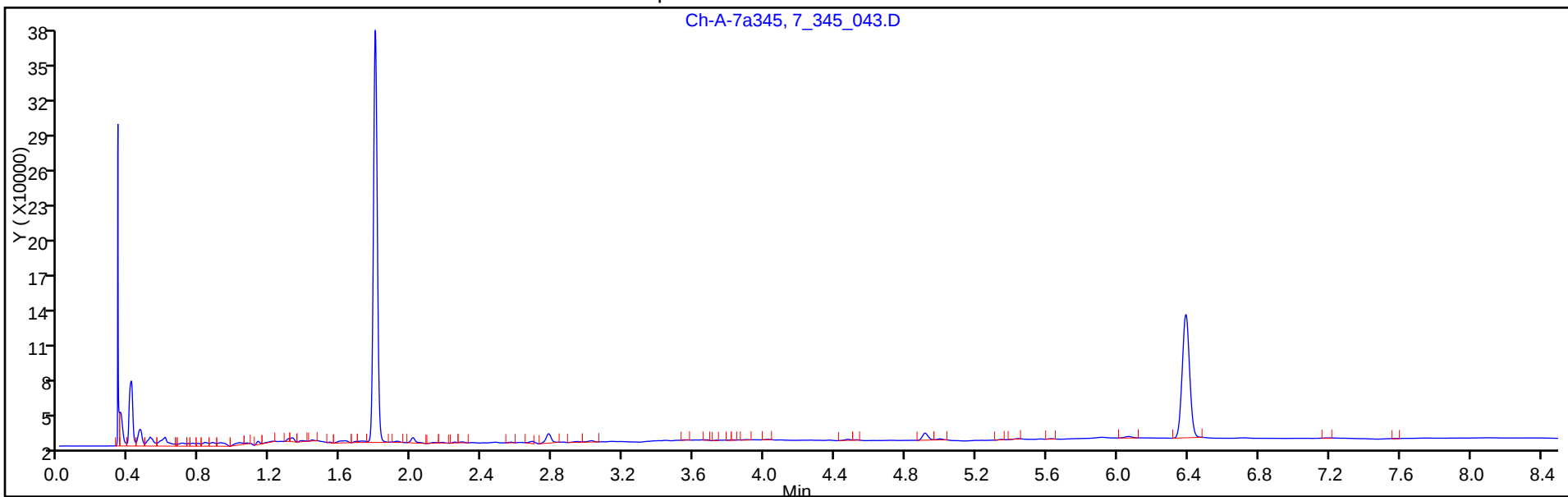
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: AS-DECON-EX1-001 Bucket Lab Sample ID: 480-66056-9
Matrix: Wipe Lab File ID: 7_345_043.D
Analysis Method: 8082A Date Collected: 08/22/2014 10:45
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/24/2014 21:11
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		57-173
2051-24-3	DCB Decachlorobiphenyl	70		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_043.D
Lims ID: 480-66056-A-9-A Lab Sample ID: 480-66056-9
Client ID: AS-DECON-EX1-001 Bucket
Sample Type: Client
Inject. Date: 24-Aug-2014 21:11:52 ALS Bottle#: 0 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 10:20:36 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:20:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.793	1.793	0.001	534499	0.0187
2	1.474	1.476	-0.002	725309	0.0175

RPD = 6.54

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.388	0.001	303666	0.0153
2	6.062	6.064	-0.002	403983	0.0141

RPD = 8.58

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_043.D

Injection Date: 24-Aug-2014 21:11:52

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: 480-66056-A-9-A

Lab Sample ID: 480-66056-9

Worklist Smp#: 43

Client ID: AS-DECON-EX1-001 Bucket

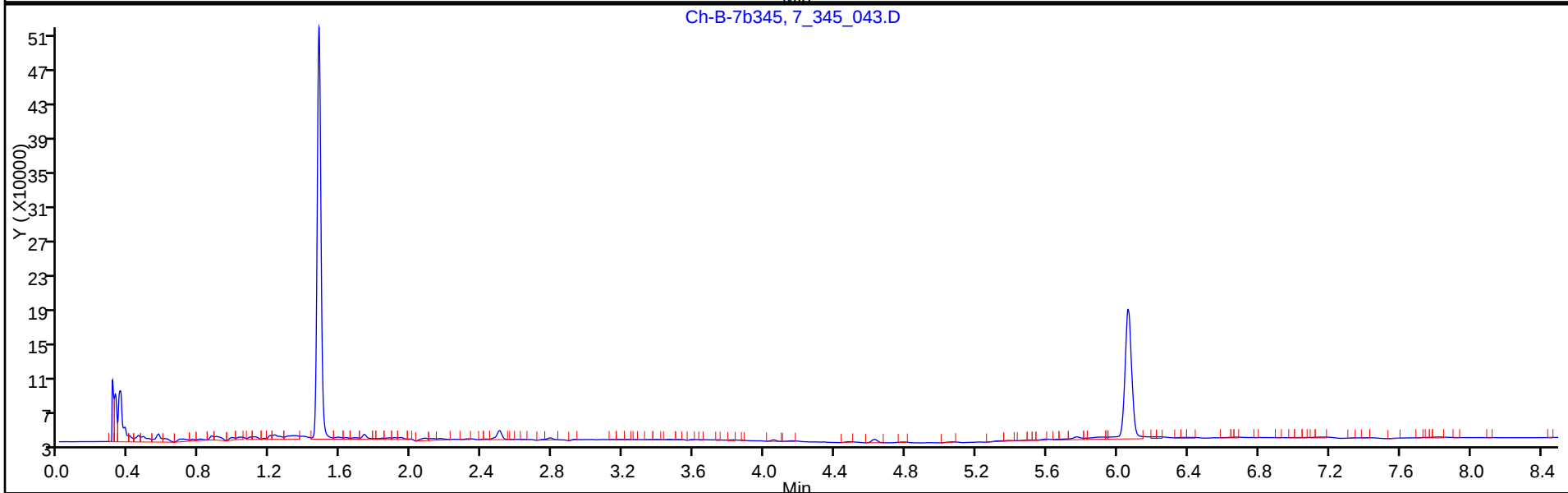
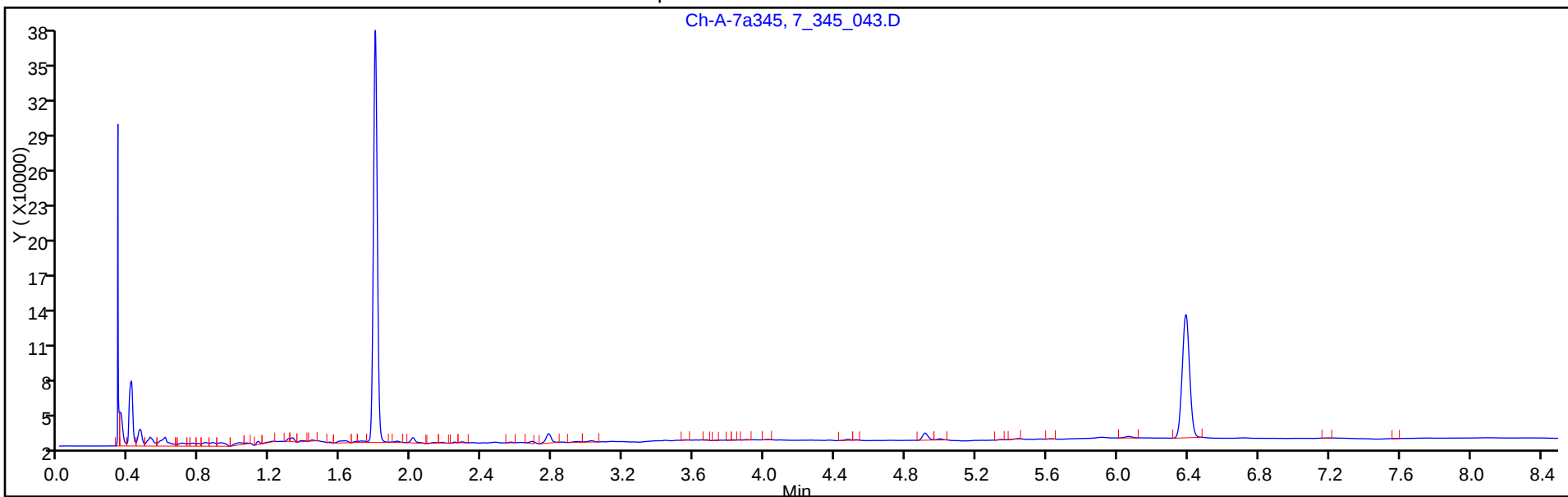
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 12:21 Calibration End Date: 07/09/2014 13:56 Calibration ID: 19290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-191849/7	7_338_216.D
Level 2	STD2 480-191849/6	7_338_215.D
Level 3	STD3 480-191849/5	7_338_214.D
Level 4	STD4 480-191849/4	7_338_213.D
Level 5	STD5 480-191849/3	7_338_212.D
Level 6	STD6 480-191849/2	7_338_211.D
Level 7	STD7 480-191849/1	7_338_210.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.698	2.698	2.698	2.698	2.698	2.698	2.698				2.668 - 2.728	2.698
PCB-1016 Peak 2	2.780	2.780	2.780	2.780	2.780	2.779	2.780				2.750 - 2.810	2.780
PCB-1016 Peak 3	2.838	2.838	2.839	2.839	2.839	2.839	2.840				2.808 - 2.868	2.839
PCB-1016 Peak 4	2.957	2.957	2.956	2.957	2.958	2.957	2.957				2.927 - 2.987	2.957
PCB-1260 Peak 1	4.641	4.641	4.642	4.641	4.642	4.641	4.642				4.611 - 4.671	4.641
PCB-1260 Peak 2	4.827	4.828	4.828	4.828	4.828	4.827	4.828				4.797 - 4.857	4.828
PCB-1260 Peak 3	5.030	5.029	5.029	5.029	5.029	5.029	5.030				5.000 - 5.060	5.029
PCB-1260 Peak 4	5.263	5.264	5.263	5.265	5.265	5.264	5.265				5.233 - 5.293	5.264
Tetrachloro-m-xylene	1.809	1.808	1.809	1.809	1.810	1.809	1.810				1.779 - 1.839	1.809
DCB Decachlorobiphenyl	6.441	6.444	6.443	6.443	6.443	6.443	6.443				6.381 - 6.501	6.443

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 12:21 Calibration End Date: 07/09/2014 13:56 Calibration ID: 19290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-191849/7	7_338_216.D
Level 2	STD2 480-191849/6	7_338_215.D
Level 3	STD3 480-191849/5	7_338_214.D
Level 4	STD4 480-191849/4	7_338_213.D
Level 5	STD5 480-191849/3	7_338_212.D
Level 6	STD6 480-191849/2	7_338_211.D
Level 7	STD7 480-191849/1	7_338_210.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 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	2171600 1919600	2050480 1871496	1989320 1872837	1970275	Ave		1977943.93				5.4		20.0			
PCB-1016 Peak 2	864850 724688	807520 703831	770670 702296	752425	Ave		760897.071				7.8		20.0			
PCB-1016 Peak 3	553050 492318	533820 483995	512100 492231	504840	Ave		510336.214				4.9		20.0			
PCB-1016 Peak 4	534950 428756	512920 415463	478460 414240	456890	Ave		463096.929				10.0		20.0			
PCB-1260 Peak 1	895500 782176	859120 768482	837940 796870	809805	Ave		821413.357				5.5		20.0			
PCB-1260 Peak 2	844150 755622	825400 754129	804170 782371	783165	Ave		792715.286				4.3		20.0			
PCB-1260 Peak 3	2057050 1899080	2022740 1902577	1950930 1973456	1917075	Ave		1960415.43				3.1		20.0			
PCB-1260 Peak 4	1157400 1001996	1092300 995123	1049640 1020216	1024000	Ave		1048667.93				5.5		20.0			
Tetrachloro-m-xylene	32274000 27384960	29889600 26786160	28549600 26997960	28098200	Ave		28568640.0				6.8		20.0			
DCB Decachlorobiphenyl	23466000 18229280	21562400 17580920	20540800 17778380	19542000	Ave		19814254.3				11.0		20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 12:21 Calibration End Date: 07/09/2014 13:56 Calibration ID: 19290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-191849/7	7_338_216.D
Level 2	STD2 480-191849/6	7_338_215.D
Level 3	STD3 480-191849/5	7_338_214.D
Level 4	STD4 480-191849/4	7_338_213.D
Level 5	STD5 480-191849/3	7_338_212.D
Level 6	STD6 480-191849/2	7_338_211.D
Level 7	STD7 480-191849/1	7_338_210.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	43432 1871496	102524 3745673	198932	394055	959800	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	17297 703831	40376 1404591	77067	150485	362344	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	11061 483995	26691 984461	51210	100968	246159	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	10699 415463	25646 828479	47846	91378	214378	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	17910 768482	42956 1593741	83794	161961	391088	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	16883 754129	41270 1564742	80417	156633	377811	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	41141 1902577	101137 3946912	195093	383415	949540	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	23148 995123	54615 2040433	104964	204800	500998	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	16137 669654	37362 1349898	71374	140491	342312	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	11733 439523	26953 888919	51352	97710	227866	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_210.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 09-Jul-2014 12:21:04 ALS Bottle#: 0 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:12 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 12:44:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

M

1	1.810	1.809	0.001	1349898	0.0500	0.0473	M
2	1.486	1.484	0.002	1861205	0.0500	0.0450	
						RPD = 4.95	

6 PCB-1016

1	2.698	2.698	0.000	3745673	2.00	1.89	
1	2.780	2.780	0.000	1404591	2.00	1.85	
1	2.840	2.838	0.002	984461	2.00	1.93	
1	2.957	2.957	0.000	828479	2.00	1.79	
Average of Peak Amounts =						1.86	
2	2.175	2.173	0.002	2386619	2.00	1.76	
2	2.477	2.476	0.001	5526648	2.00	1.95	
2	2.591	2.590	0.001	2068336	2.00	1.92	
2	2.683	2.681	0.001	1221944	2.00	2.01	
Average of Peak Amounts =						1.91	
						RPD = 2.51	

9 PCB-1260

1	4.642	4.641	0.001	1593741	2.00	1.94	
1	4.828	4.827	0.001	1564742	2.00	1.97	
1	5.030	5.030	0.000	3946912	2.00	2.01	
1	5.265	5.263	0.002	2040433	2.00	1.95	
Average of Peak Amounts =						1.97	
2	4.631	4.629	0.002	2762638	2.00	1.96	
2	4.699	4.698	0.001	2168485	2.00	1.94	
2	4.768	4.768	0.000	6551224	2.00	2.04	
2	5.101	5.100	0.001	3866839	2.00	2.02	
Average of Peak Amounts =						1.99	
						RPD = 0.99	

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_210.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.001	888919	0.0500	0.0449	
2	6.100	6.100	0.000	1325120	0.0500	0.0461	

RPD = 2.80

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_210.D

Injection Date: 09-Jul-2014 12:21:04

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD7

Worklist Smp#: 1

Client ID:

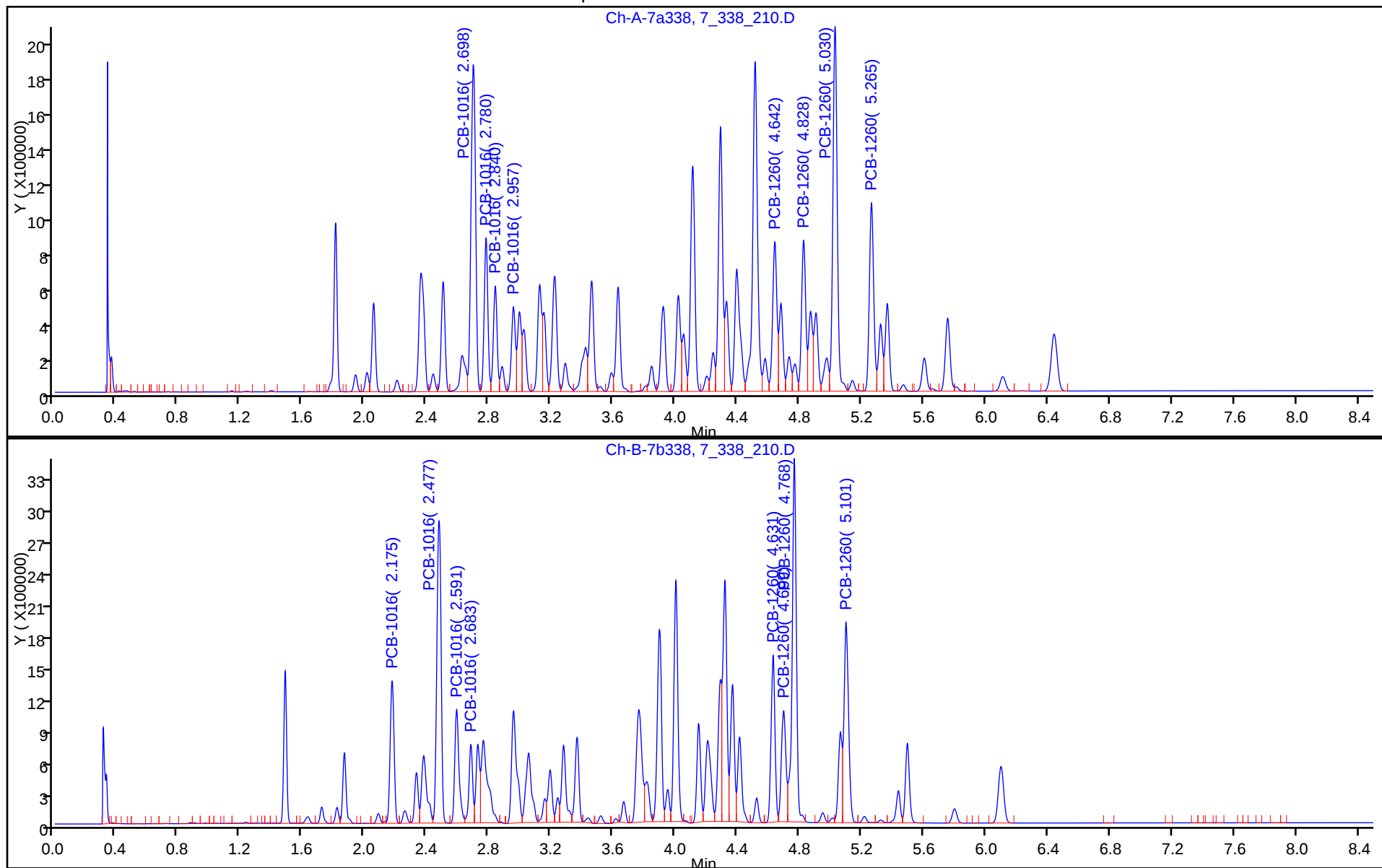
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



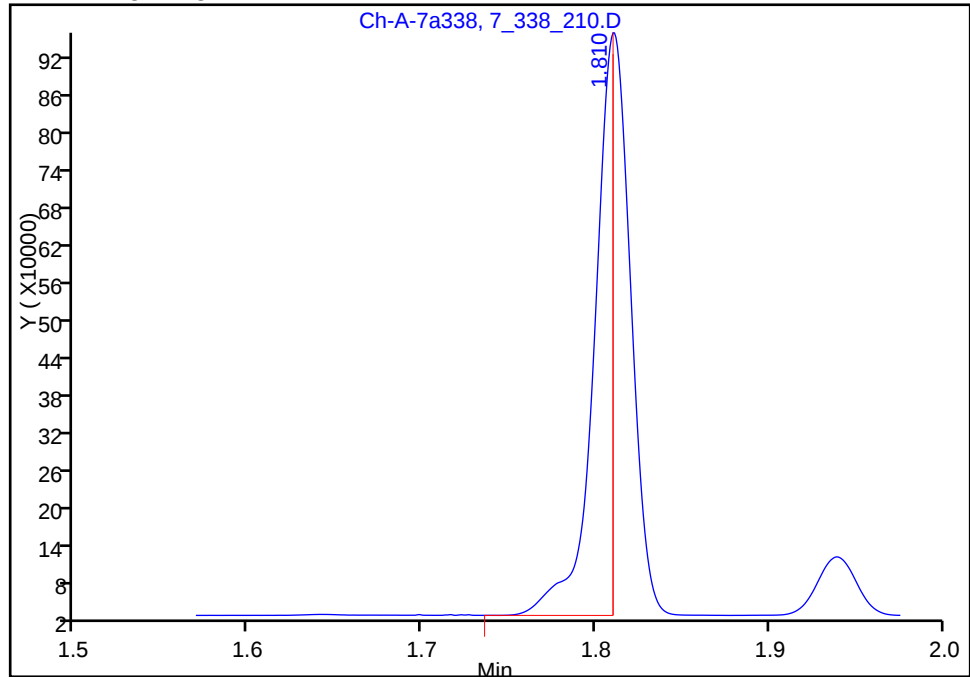
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_210.D		
Injection Date:	09-Jul-2014 12:21:04	Instrument ID:	HP6890-7
Lims ID:	STD7		
Client ID:			
Operator ID:	buftchrom	ALS Bottle#:	0
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	HP7-PCBS	Limit Group:	GC - 8082A PCB ICAL
Column:		Detector:	Ch-A-7A136
		Worklist Smp#:	1

\$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

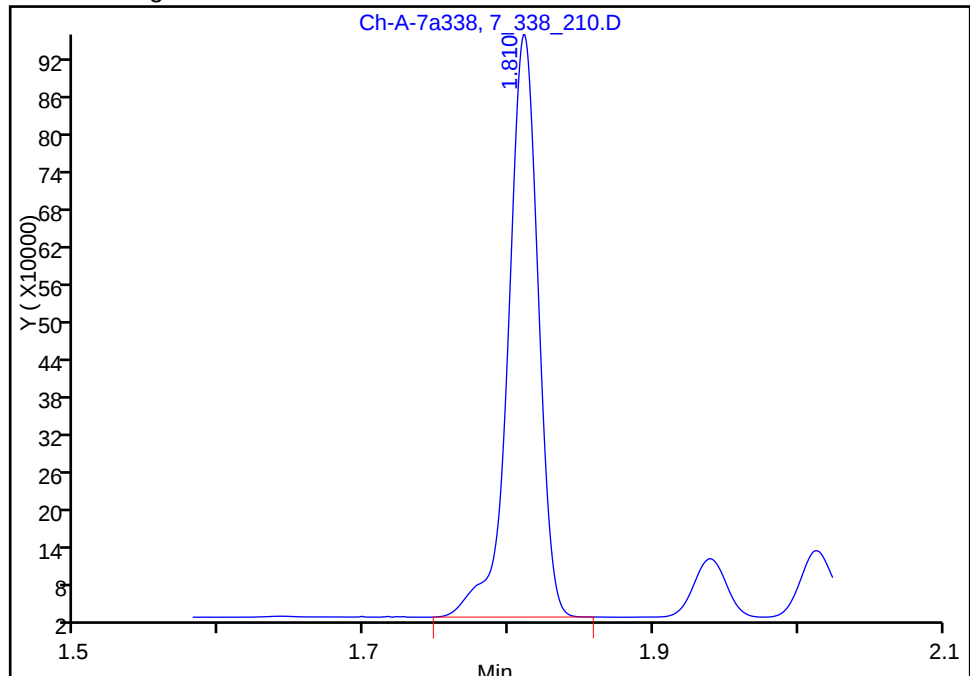
RT: 1.81
Response: 688956
Amount: 0.050000

Processing Integration Results



RT: 1.81
Response: 1349898
Amount: 0.047251

Manual Integration Results



Reviewer: eversd, 09-Jul-2014 12:44:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_211.D
 Lims ID: STD6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 09-Jul-2014 12:36:54 ALS Bottle#: 0 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:16 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 13:03:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	669654	0.0250	0.0234
2	1.484	1.484	0.000	915327	0.0250	0.0221

RPD = 5.81

6 PCB-1016

1	2.698	2.698	0.000	1871496	1.00	0.9462
1	2.779	2.780	-0.001	703831	1.00	0.9250
1	2.839	2.838	0.001	483995	1.00	0.9484
1	2.957	2.957	0.000	415463	1.00	0.8971

Average of Peak Amounts = 0.9292

2	2.174	2.173	0.001	1221059	1.00	0.9016
2	2.477	2.476	0.001	2734495	1.00	0.9641
2	2.590	2.590	0.000	1016152	1.00	0.9442
2	2.682	2.681	0.001	582464	1.00	0.9602

Average of Peak Amounts = 0.9425

RPD = 1.43

9 PCB-1260

1	4.641	4.641	0.000	768482	1.00	0.9356
1	4.827	4.827	0.000	754129	1.00	0.9513
1	5.029	5.030	-0.001	1902577	1.00	0.9705
1	5.264	5.263	0.001	995123	1.00	0.9489

Average of Peak Amounts = 0.9516

2	4.630	4.629	0.001	1339645	1.00	0.9483
2	4.696	4.698	-0.002	1068007	1.00	0.9560
2	4.768	4.768	0.000	3120507	1.00	0.9714
2	5.103	5.100	0.002	1856477	1.00	0.9675

Average of Peak Amounts = 0.9608

RPD = 0.97

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_211.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.002	439523	0.0250	0.0222	
2	6.100	6.100	0.000	650957	0.0250	0.0227	

RPD = 2.15

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.50

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_211.D

Injection Date: 09-Jul-2014 12:36:54

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD6

Worklist Smp#: 2

Client ID:

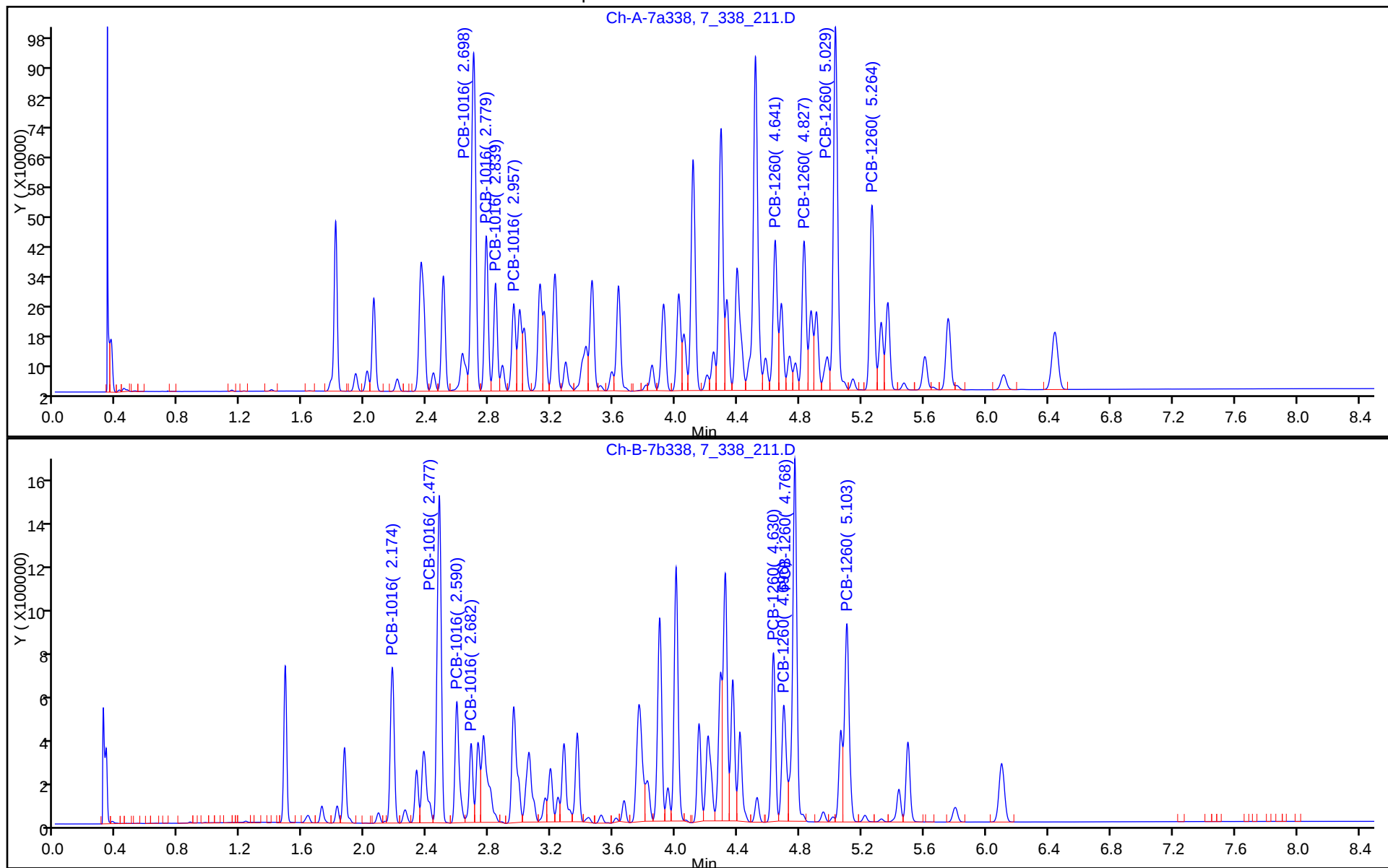
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_212.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 09-Jul-2014 12:52:45 ALS Bottle#: 0 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:19 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 13:04:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.810	1.809	0.001	342312	0.0125	0.0120
2	1.485	1.484	0.001	463511	0.0125	0.0112

RPD = 6.75

6 PCB-1016

1	2.698	2.698	0.000	959800	0.5000	0.4853
1	2.780	2.780	0.000	362344	0.5000	0.4762
1	2.839	2.838	0.001	246159	0.5000	0.4823
1	2.958	2.957	0.001	214378	0.5000	0.4629

Average of Peak Amounts = 0.4767

2	2.174	2.173	0.001	641787	0.5000	0.4739
2	2.478	2.476	0.002	1394569	0.5000	0.4917
2	2.590	2.590	0.000	516720	0.5000	0.4801
2	2.683	2.681	0.001	293152	0.5000	0.4833

Average of Peak Amounts = 0.4822

RPD = 1.16

9 PCB-1260

M

1	4.642	4.641	0.001	391088	0.5000	0.4761
1	4.828	4.827	0.001	377811	0.5000	0.4766
1	5.029	5.030	-0.001	949540	0.5000	0.4844
1	5.265	5.263	0.002	500998	0.5000	0.4777

Average of Peak Amounts = 0.4787

2	4.629	4.629	0.000	724062	0.5000	0.5126	M
2	4.697	4.698	-0.001	560496	0.5000	0.5017	M
2	4.768	4.768	0.000	1559161	0.5000	0.4854	M
2	5.101	5.100	0.001	932008	0.5000	0.4857	M

Average of Peak Amounts = 0.4963

RPD = 3.62

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_212.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.001	227866	0.0125	0.0115	
2	6.099	6.100	-0.001	333951	0.0125	0.0116	

RPD = 1.10

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.25

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_212.D

Injection Date: 09-Jul-2014 12:52:45

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD5

Worklist Smp#: 3

Client ID:

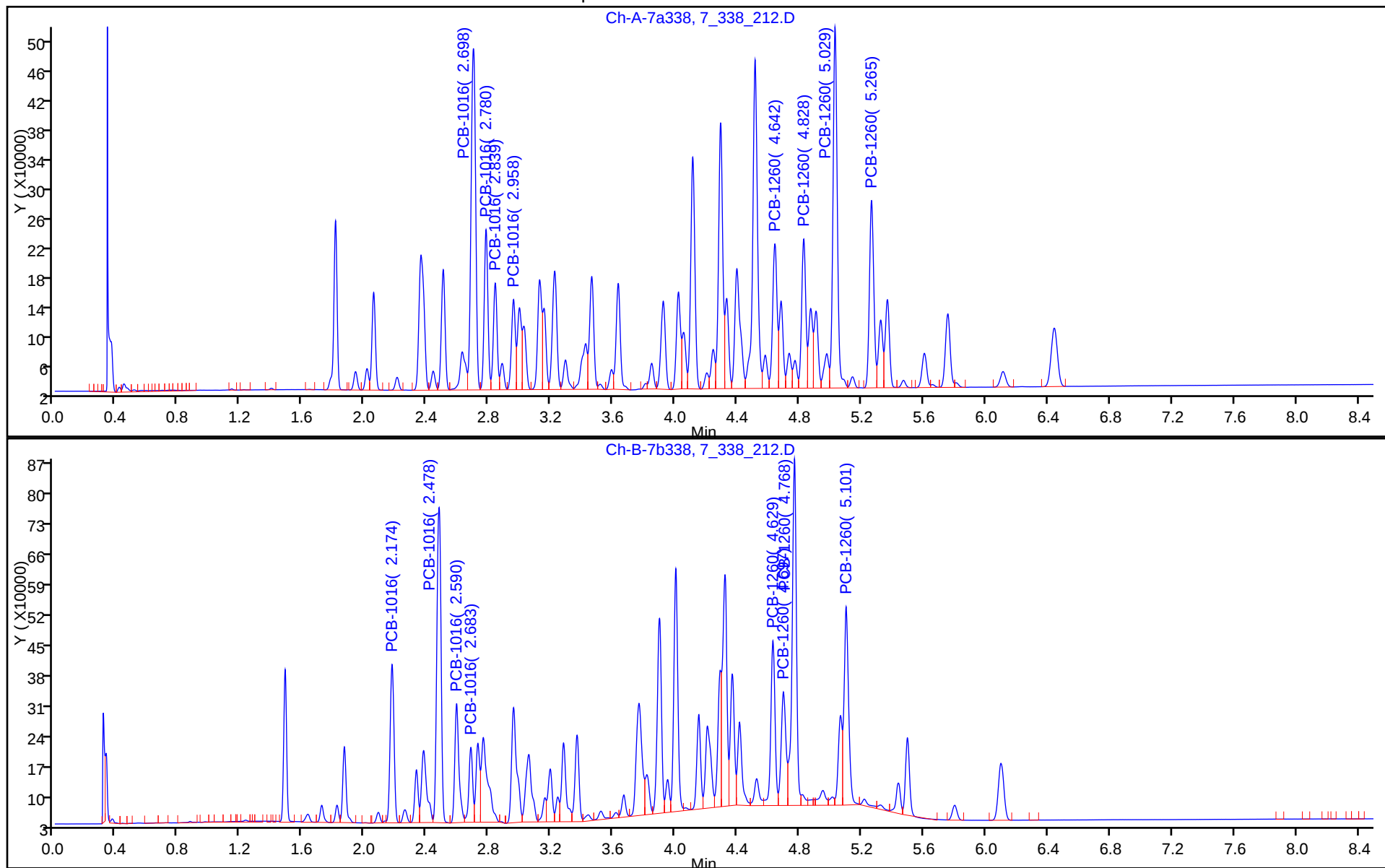
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D
 Lims ID: STD4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 09-Jul-2014 13:08:35 ALS Bottle#: 0 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:21 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd Date: 09-Jul-2014 13:20:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	140491	0.005000	0.004918	
2	1.484	1.484	0.000	195818	0.005000	0.004731	
RPD = 3.86							

6 PCB-1016

M

1	2.698	2.698	0.000	394055	0.2000	0.1992	
1	2.780	2.780	0.000	150485	0.2000	0.1978	
1	2.839	2.838	0.001	100968	0.2000	0.1978	
1	2.957	2.957	0.000	91378	0.2000	0.1973	
Average of Peak Amounts =							0.1980
2	2.174	2.173	0.001	270450	0.2000	0.1997	
2	2.477	2.476	0.001	571569	0.2000	0.2015	M
2	2.590	2.590	0.000	217198	0.2000	0.2018	M
2	2.682	2.681	0.001	124730	0.2000	0.2056	M
Average of Peak Amounts =							0.2022
RPD = 2.06							

9 PCB-1260

M

1	4.641	4.641	0.000	161961	0.2000	0.1972	
1	4.828	4.827	0.001	156633	0.2000	0.1976	
1	5.029	5.030	-0.001	383415	0.2000	0.1956	
1	5.265	5.263	0.002	204800	0.2000	0.1953	
Average of Peak Amounts =							0.1964
2	4.630	4.629	0.001	277411	0.2000	0.1964	M
2	4.698	4.698	0.000	222880	0.2000	0.1995	M
2	4.766	4.768	-0.002	642607	0.2000	0.2000	M
2	5.100	5.100	0.000	378282	0.2000	0.1971	
Average of Peak Amounts =							0.1983
RPD = 0.94							

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.002	97710	0.005000	0.004931	
2	6.101	6.100	0.001	141255	0.005000	0.004918	

RPD = 0.27

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.10

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D

Injection Date: 09-Jul-2014 13:08:35

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD4

Worklist Smp#: 4

Client ID:

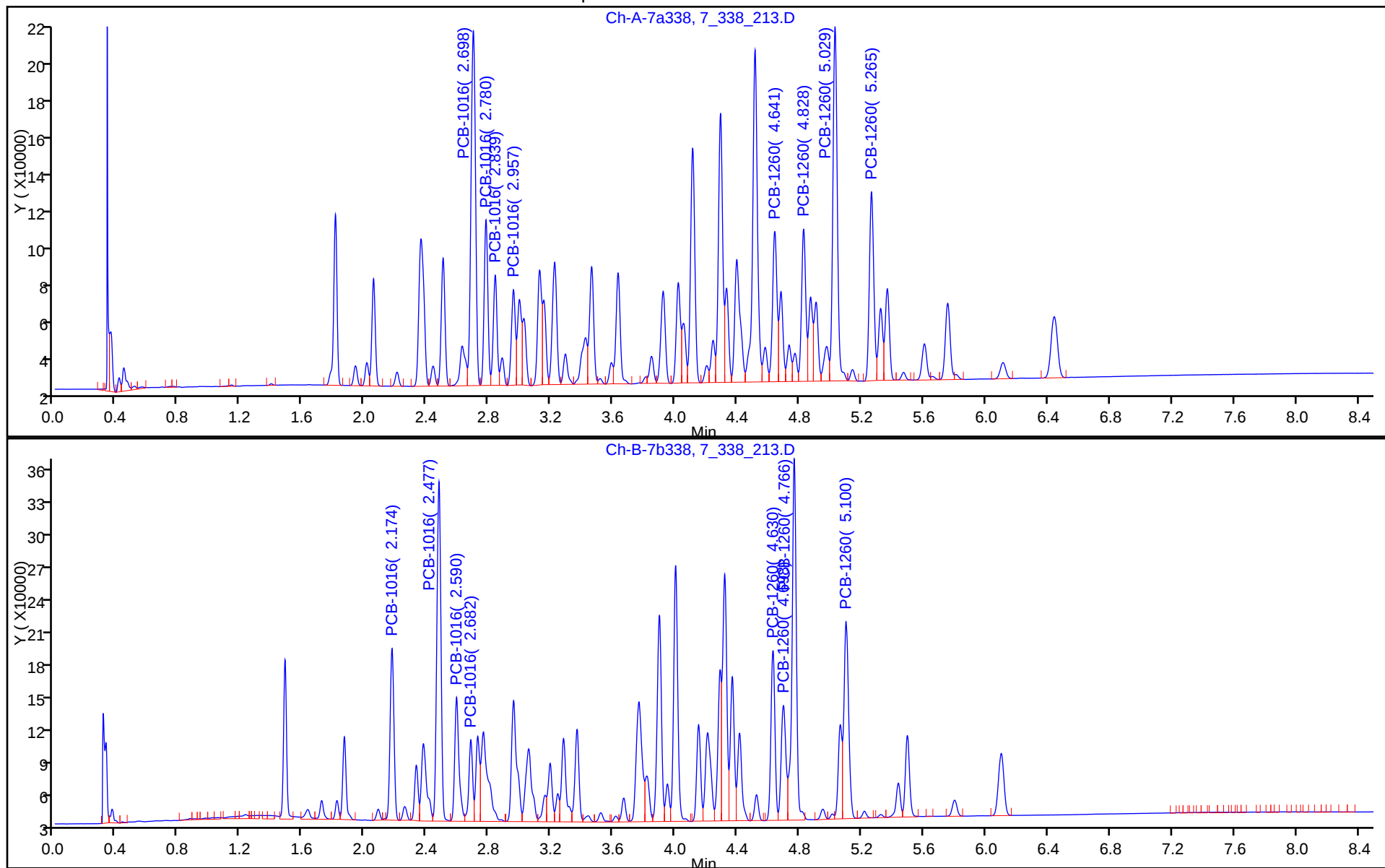
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_214.D
 Lims ID: STD3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 09-Jul-2014 13:24:35 ALS Bottle#: 0 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:24 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 13:39:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	71374	0.002500	0.002498	
2	1.485	1.484	0.001	101689	0.002500	0.002457	
RPD = 1.67							

6 PCB-1016

1	2.698	2.698	0.000	198932	0.1000	0.1006	
1	2.780	2.780	0.000	77067	0.1000	0.1013	
1	2.839	2.838	0.001	51210	0.1000	0.1003	
1	2.956	2.957	-0.001	47846	0.1000	0.1033	
Average of Peak Amounts =							0.1014
2	2.174	2.173	0.001	140043	0.1000	0.1034	
2	2.476	2.476	0.000	284925	0.1000	0.1005	
2	2.590	2.590	0.000	108007	0.1000	0.1004	
2	2.683	2.681	0.001	62207	0.1000	0.1025	
Average of Peak Amounts =							0.1017
RPD = 0.31							

9 PCB-1260

1	4.642	4.641	0.001	83794	0.1000	0.1020	
1	4.828	4.827	0.001	80417	0.1000	0.1014	
1	5.029	5.030	-0.001	195093	0.1000	0.0995	
1	5.263	5.263	0.000	104964	0.1000	0.1001	
Average of Peak Amounts =							0.1008
2	4.630	4.629	0.001	141161	0.1000	0.0999	M
2	4.698	4.698	0.000	113138	0.1000	0.1013	M
2	4.768	4.768	0.000	319950	0.1000	0.0996	M
2	5.102	5.100	0.002	190080	0.1000	0.0991	M
Average of Peak Amounts =							0.1000
RPD = 0.80							

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_214.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.001	51352	0.002500	0.002592	
2	6.099	6.100	-0.001	73545	0.002500	0.002561	

RPD = 1.21

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.05

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_214.D

Injection Date: 09-Jul-2014 13:24:35

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD3

Worklist Smp#: 5

Client ID:

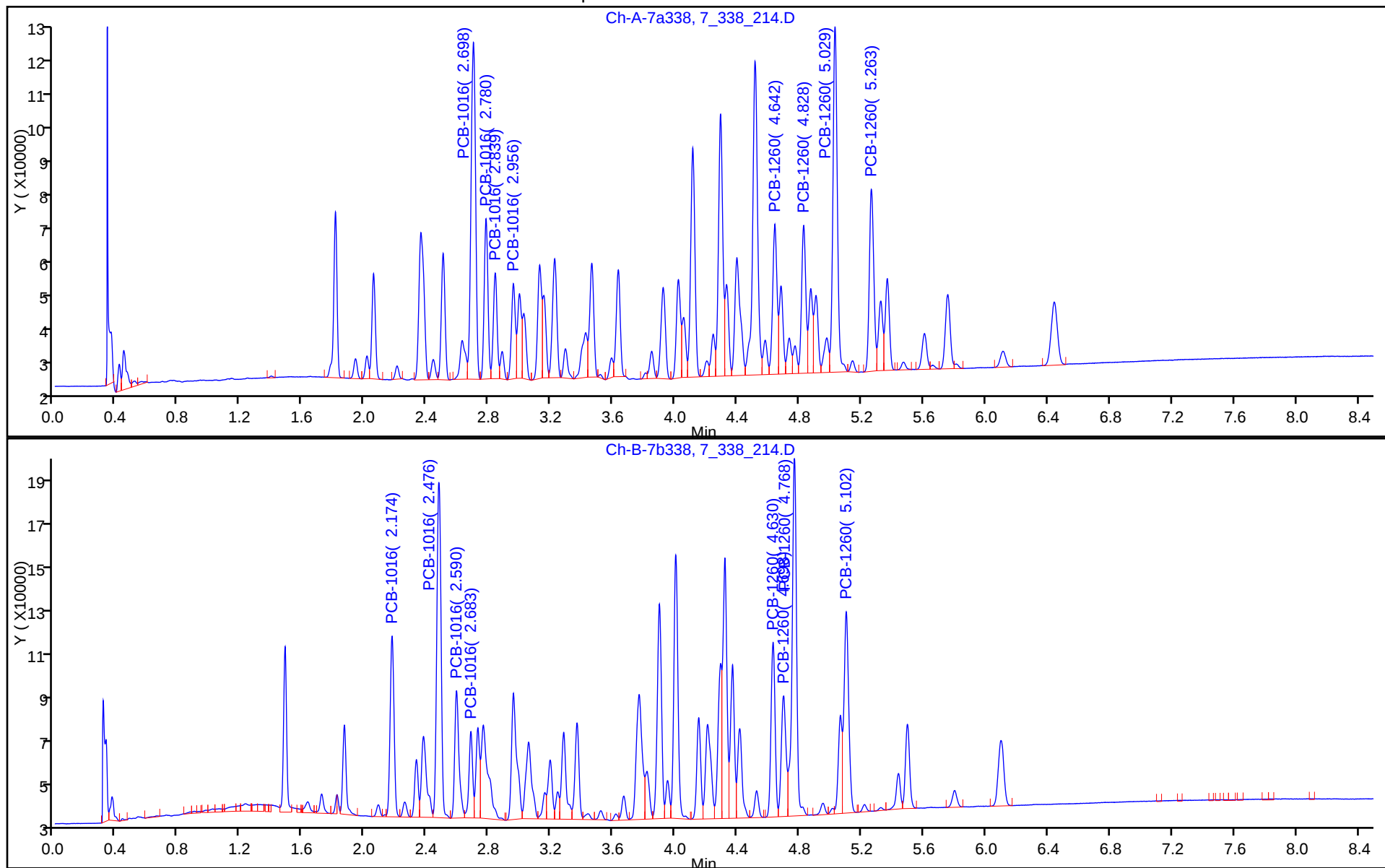
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_215.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 09-Jul-2014 13:40:21 ALS Bottle#: 0 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:26 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 14:15:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.808	1.809	-0.001	37362	0.001250	0.001308	
2	1.484	1.484	0.000	57732	0.001250	0.001395	
RPD = 6.45							

6 PCB-1016

1	2.698	2.698	0.000	102524	0.0500	0.0518	
1	2.780	2.780	0.000	40376	0.0500	0.0531	
1	2.838	2.838	0.000	26691	0.0500	0.0523	
1	2.957	2.957	0.000	25646	0.0500	0.0554	
Average of Peak Amounts =							0.0531
2	2.174	2.173	0.001	73136	0.0500	0.0540	
2	2.476	2.476	0.000	143449	0.0500	0.0506	
2	2.589	2.590	-0.001	56260	0.0500	0.0523	
2	2.682	2.681	0.001	32232	0.0500	0.0531	
Average of Peak Amounts =							0.0525
RPD = 1.22							

9 PCB-1260

1	4.641	4.641	0.000	42956	0.0500	0.0523	
1	4.828	4.827	0.001	41270	0.0500	0.0521	
1	5.029	5.030	-0.001	101137	0.0500	0.0516	
1	5.264	5.263	0.001	54615	0.0500	0.0521	
Average of Peak Amounts =							0.0520
2	4.629	4.629	0.000	72243	0.0500	0.0511	M
2	4.697	4.698	-0.001	58017	0.0500	0.0519	M
2	4.768	4.768	0.000	161454	0.0500	0.0503	M
2	5.102	5.100	0.002	98342	0.0500	0.0513	
Average of Peak Amounts =							0.0511
RPD = 1.67							

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_215.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.444	6.441	0.003	26953	0.001250	0.001360	
2	6.100	6.100	0.000	39649	0.001250	0.001380	

RPD = 1.47

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.03

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_215.D

Injection Date: 09-Jul-2014 13:40:21

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD2

Worklist Smp#: 6

Client ID:

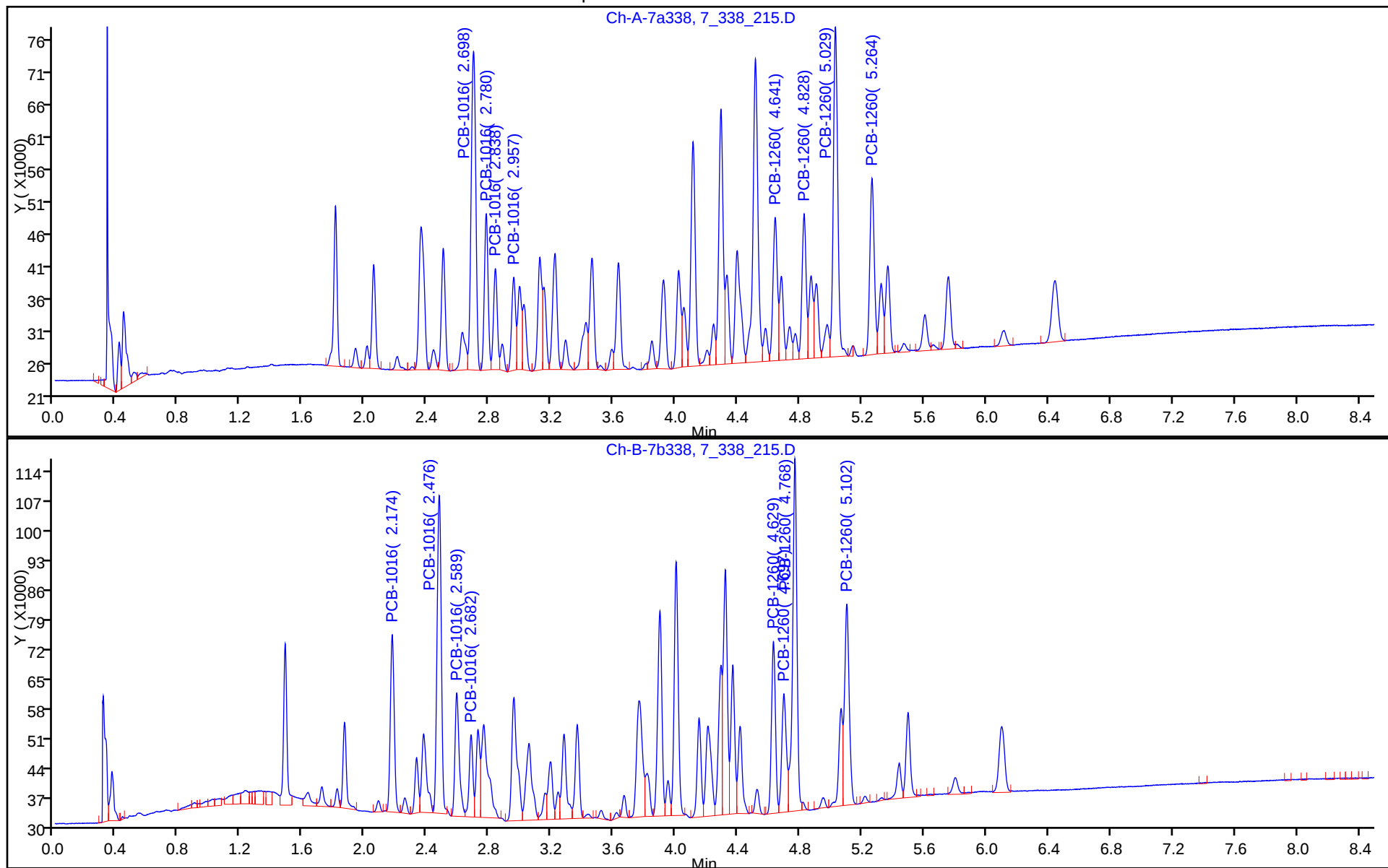
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_216.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 13:56:17 ALS Bottle#: 0 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:28 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 10-Jul-2014 07:28:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	16137	0.000500	0.000565	
2	1.484	1.484	0.000	26384	0.000500	0.000637	
RPD = 12.08							

6 PCB-1016

1	2.698	2.698	0.000	43432	0.0200	0.0220	
1	2.780	2.780	0.000	17297	0.0200	0.0227	
1	2.838	2.838	0.000	11061	0.0200	0.0217	
1	2.957	2.957	0.000	10699	0.0200	0.0231	
Average of Peak Amounts =							0.0224
2	2.173	2.173	0.000	31344	0.0200	0.0231	
2	2.476	2.476	0.000	59805	0.0200	0.0211	
2	2.590	2.590	0.000	23166	0.0200	0.0215	
2	2.681	2.681	0.000	11524	0.0200	0.0190	
Average of Peak Amounts =							0.0212
RPD = 5.41							

9 PCB-1260

1	4.641	4.641	0.000	17910	0.0200	0.0218	
1	4.827	4.827	0.000	16883	0.0200	0.0213	
1	5.030	5.030	0.000	41141	0.0200	0.0210	
1	5.263	5.263	0.000	23148	0.0200	0.0221	
Average of Peak Amounts =							0.0215
2	4.629	4.629	0.000	29515	0.0200	0.0209	
2	4.698	4.698	0.000	22813	0.0200	0.0204	
2	4.768	4.768	0.000	66613	0.0200	0.0207	
2	5.100	5.100	0.000	40369	0.0200	0.0210	
Average of Peak Amounts =							0.0208
RPD = 3.63							

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_216.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.441	6.441	0.000	11733	0.000500	0.000592	
2	6.100	6.100	0.000	16205	0.000500	0.000564	

RPD = 4.83

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.01

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_216.D

Injection Date: 09-Jul-2014 13:56:17

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD1

Worklist Smp#: 7

Client ID:

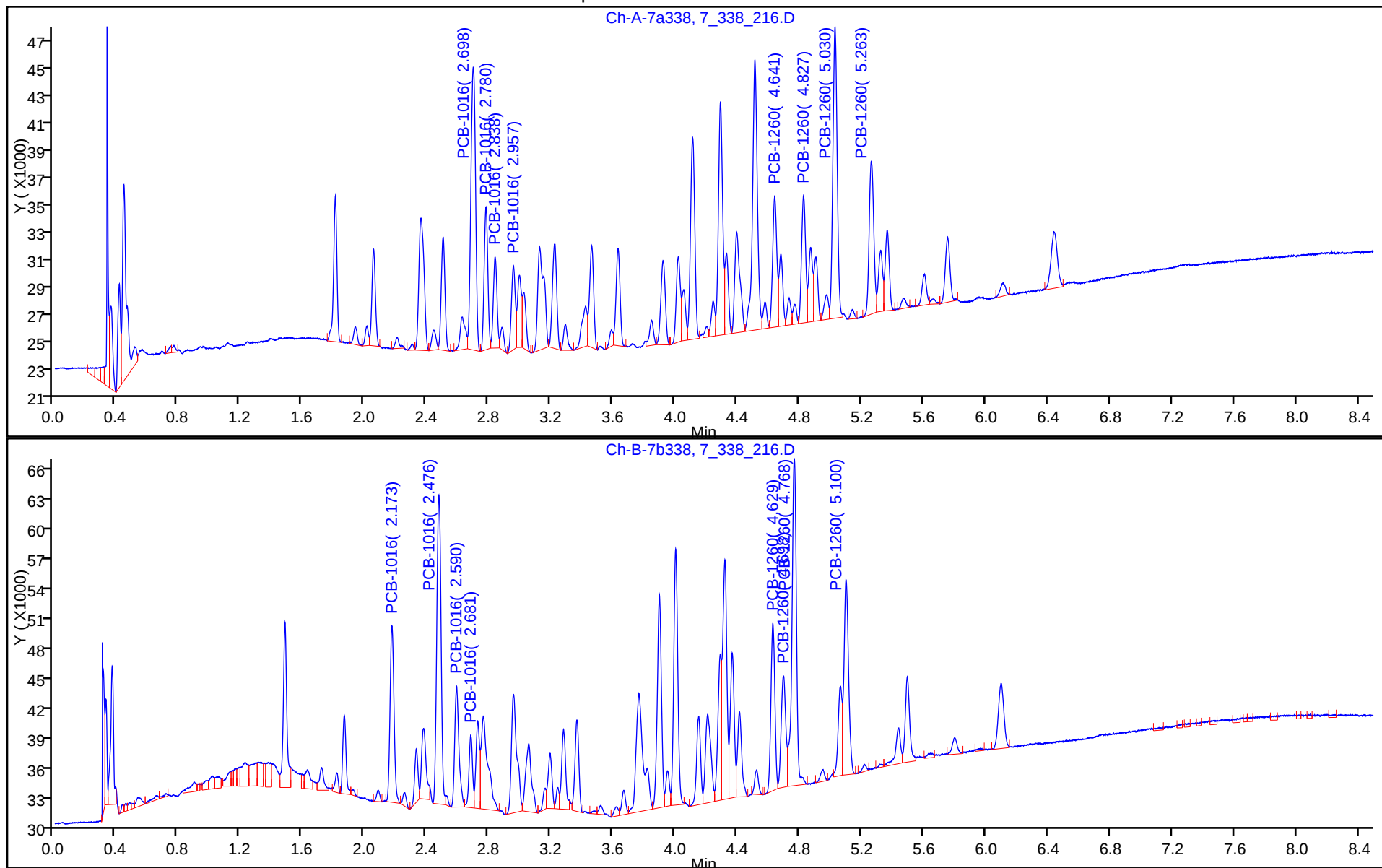
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 12:21 Calibration End Date: 07/09/2014 13:56 Calibration ID: 19291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-191849/7	7_338_216.D
Level 2	STD2 480-191849/6	7_338_215.D
Level 3	STD3 480-191849/5	7_338_214.D
Level 4	STD4 480-191849/4	7_338_213.D
Level 5	STD5 480-191849/3	7_338_212.D
Level 6	STD6 480-191849/2	7_338_211.D
Level 7	STD7 480-191849/1	7_338_210.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.173	2.174	2.174	2.174	2.174	2.174	2.175				2.143 - 2.203	2.174
PCB-1016 Peak 2	2.476	2.476	2.476	2.477	2.478	2.477	2.477				2.446 - 2.506	2.477
PCB-1016 Peak 3	2.590	2.589	2.590	2.590	2.590	2.590	2.591				2.560 - 2.620	2.590
PCB-1016 Peak 4	2.681	2.682	2.683	2.682	2.683	2.682	2.683				2.651 - 2.711	2.682
PCB-1260 Peak 1	4.629	4.629	4.630	4.630	4.629	4.630	4.631				4.599 - 4.659	4.630
PCB-1260 Peak 2	4.698	4.697	4.698	4.698	4.697	4.696	4.699				4.668 - 4.728	4.698
PCB-1260 Peak 3	4.768	4.768	4.768	4.766	4.768	4.768	4.768				4.738 - 4.798	4.768
PCB-1260 Peak 4	5.100	5.102	5.102	5.100	5.101	5.103	5.101				5.070 - 5.130	5.101
Tetrachloro-m-xylene	1.484	1.484	1.485	1.484	1.485	1.484	1.486				1.454 - 1.514	1.485
DCB Decachlorobiphenyl	6.100	6.100	6.099	6.101	6.099	6.100	6.100				6.040 - 6.160	6.100

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 12:21 Calibration End Date: 07/09/2014 13:56 Calibration ID: 19291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-191849/7	7_338_216.D
Level 2	STD2 480-191849/6	7_338_215.D
Level 3	STD3 480-191849/5	7_338_214.D
Level 4	STD4 480-191849/4	7_338_213.D
Level 5	STD5 480-191849/3	7_338_212.D
Level 6	STD6 480-191849/2	7_338_211.D
Level 7	STD7 480-191849/1	7_338_210.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 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	1567200 1283574	1462720 1221059	1400430 1193310	1352250	Ave		1354363.21				9.9		20.0			
PCB-1016 Peak 2	2990250 2789138	2868980 2734495	2849250 2763324	2857845	Ave		2836183.14				3.0		20.0			
PCB-1016 Peak 3	1158300 1033440	1125200 1016152	1080070 1034168	1085990	Ave		1076188.57				4.9		20.0			
PCB-1016 Peak 4	576200 586304	644640 582464	622070 610972	623650	Ave		606614.286				4.2		20.0			
PCB-1260 Peak 1	1475750 1448124	1444860 1339645	1411610 1381319	1387055	Ave		1412623.29				3.3		20.0			
PCB-1260 Peak 2	1140650 1120992	1160340 1068007	1131380 1084243	1114400	Ave		1117144.50				2.9		20.0			
PCB-1260 Peak 3	3330650 3118322	3229080 3120507	3199500 3275612	3213035	Ave		3212386.57				2.4		20.0			
PCB-1260 Peak 4	2018450 1864016	1966840 1856477	1900800 1933420	1891410	Ave		1918773.21				3.0		20.0			
Tetrachloro-m-xylene	52768000 37080880	46185600 36613080	40675600 37224100	39163600	Ave		41387265.7				15.0		20.0			
DCB Decachlorobiphenyl	32410000 26716080	31719200 26038280	29418000 26502400	28251000	Ave		28722137.1				8.9		20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 12:21 Calibration End Date: 07/09/2014 13:56 Calibration ID: 19291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-191849/7	7_338_216.D
Level 2	STD2 480-191849/6	7_338_215.D
Level 3	STD3 480-191849/5	7_338_214.D
Level 4	STD4 480-191849/4	7_338_213.D
Level 5	STD5 480-191849/3	7_338_212.D
Level 6	STD6 480-191849/2	7_338_211.D
Level 7	STD7 480-191849/1	7_338_210.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	31344 1221059	73136 2386619	140043	270450	641787	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	59805 2734495	143449 5526648	284925	571569	1394569	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	23166 1016152	56260 2068336	108007	217198	516720	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	11524 582464	32232 1221944	62207	124730	293152	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	29515 1339645	72243 2762638	141161	277411	724062	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	22813 1068007	58017 2168485	113138	222880	560496	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	66613 3120507	161454 6551224	319950	642607	1559161	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	40369 1856477	98342 3866839	190080	378282	932008	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	26384 915327	57732 1861205	101689	195818	463511	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	16205 650957	39649 1325120	73545	141255	333951	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_210.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 09-Jul-2014 12:21:04 ALS Bottle#: 0 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:12 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 12:44:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene M
 1 1.810 1.809 0.001 1349898 0.0500 0.0473 M
 2 1.486 1.484 0.002 1861205 0.0500 0.0450
 RPD = 4.95

6 PCB-1016

1	2.698	2.698	0.000	3745673	2.00	1.89
1	2.780	2.780	0.000	1404591	2.00	1.85
1	2.840	2.838	0.002	984461	2.00	1.93
1	2.957	2.957	0.000	828479	2.00	1.79
Average of Peak Amounts =						1.86
2	2.175	2.173	0.002	2386619	2.00	1.76
2	2.477	2.476	0.001	5526648	2.00	1.95
2	2.591	2.590	0.001	2068336	2.00	1.92
2	2.683	2.681	0.001	1221944	2.00	2.01
Average of Peak Amounts =						1.91

RPD = 2.51

9 PCB-1260

1	4.642	4.641	0.001	1593741	2.00	1.94
1	4.828	4.827	0.001	1564742	2.00	1.97
1	5.030	5.030	0.000	3946912	2.00	2.01
1	5.265	5.263	0.002	2040433	2.00	1.95
Average of Peak Amounts =						1.97
2	4.631	4.629	0.002	2762638	2.00	1.96
2	4.699	4.698	0.001	2168485	2.00	1.94
2	4.768	4.768	0.000	6551224	2.00	2.04
2	5.101	5.100	0.001	3866839	2.00	2.02
Average of Peak Amounts =						1.99

RPD = 0.99

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_210.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.001	888919	0.0500	0.0449	
2	6.100	6.100	0.000	1325120	0.0500	0.0461	

RPD = 2.80

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_210.D

Injection Date: 09-Jul-2014 12:21:04

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD7

Worklist Smp#: 1

Client ID:

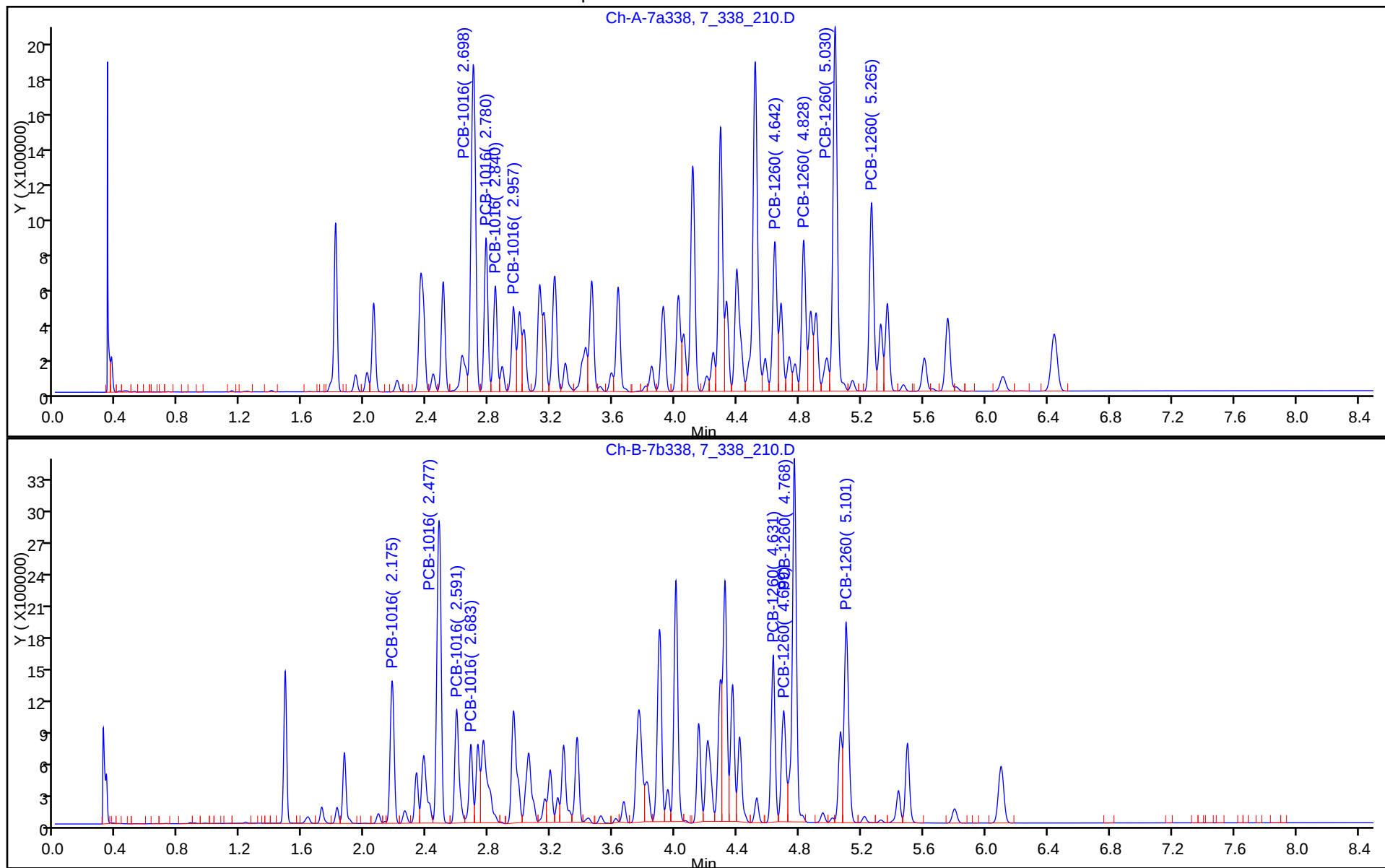
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_211.D
 Lims ID: STD6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 09-Jul-2014 12:36:54 ALS Bottle#: 0 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:16 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 13:03:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	669654	0.0250	0.0234	
2	1.484	1.484	0.000	915327	0.0250	0.0221	
						RPD = 5.81	

6 PCB-1016

1	2.698	2.698	0.000	1871496	1.00	0.9462	
1	2.779	2.780	-0.001	703831	1.00	0.9250	
1	2.839	2.838	0.001	483995	1.00	0.9484	
1	2.957	2.957	0.000	415463	1.00	0.8971	
Average of Peak Amounts =						0.9292	
2	2.174	2.173	0.001	1221059	1.00	0.9016	
2	2.477	2.476	0.001	2734495	1.00	0.9641	
2	2.590	2.590	0.000	1016152	1.00	0.9442	
2	2.682	2.681	0.001	582464	1.00	0.9602	
Average of Peak Amounts =						0.9425	
						RPD = 1.43	

9 PCB-1260

1	4.641	4.641	0.000	768482	1.00	0.9356	
1	4.827	4.827	0.000	754129	1.00	0.9513	
1	5.029	5.030	-0.001	1902577	1.00	0.9705	
1	5.264	5.263	0.001	995123	1.00	0.9489	
Average of Peak Amounts =						0.9516	
2	4.630	4.629	0.001	1339645	1.00	0.9483	
2	4.696	4.698	-0.002	1068007	1.00	0.9560	
2	4.768	4.768	0.000	3120507	1.00	0.9714	
2	5.103	5.100	0.002	1856477	1.00	0.9675	
Average of Peak Amounts =						0.9608	
						RPD = 0.97	

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_211.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.002	439523	0.0250	0.0222	
2	6.100	6.100	0.000	650957	0.0250	0.0227	

RPD = 2.15

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.50

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_211.D

Injection Date: 09-Jul-2014 12:36:54

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD6

Worklist Smp#: 2

Client ID:

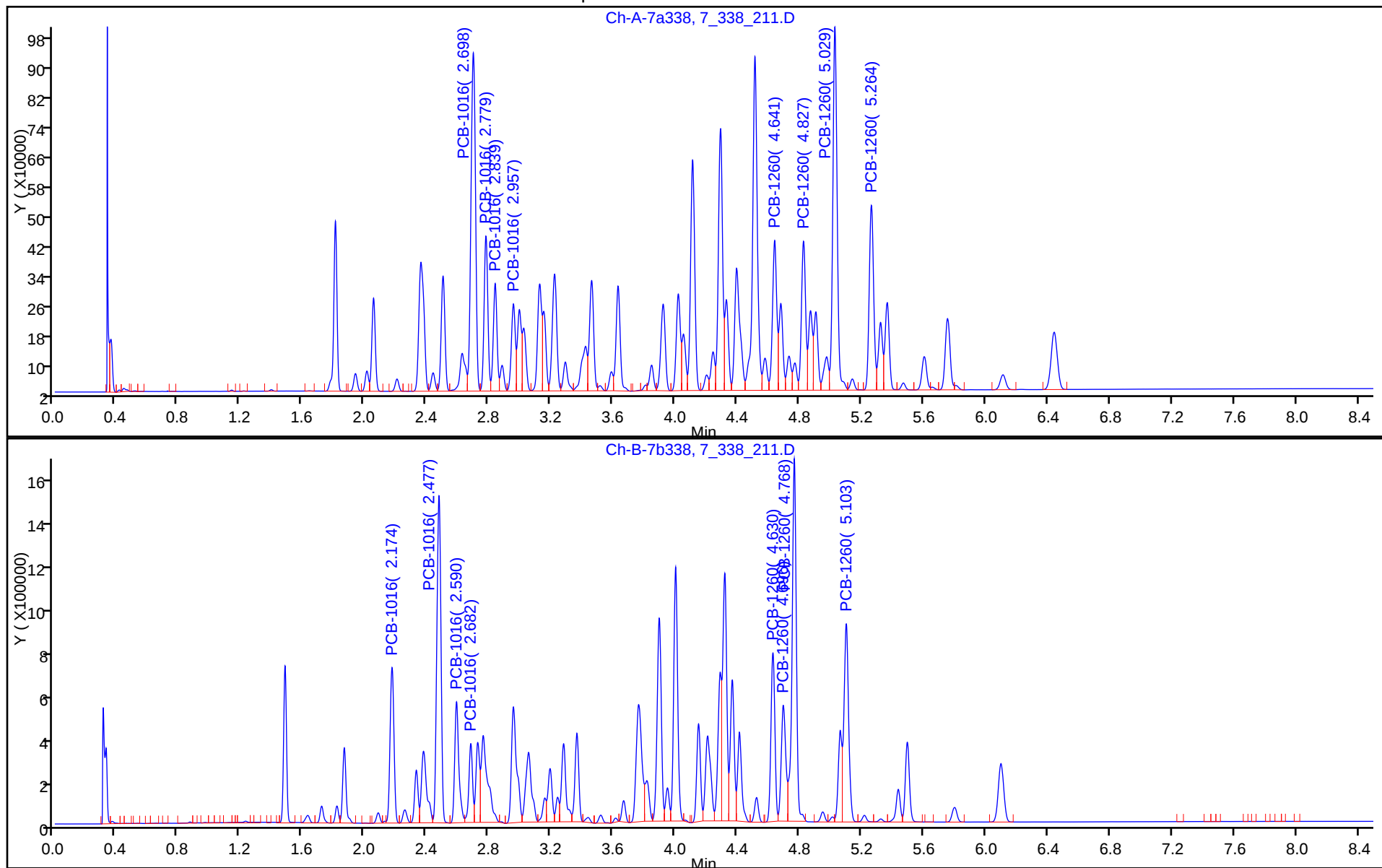
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_212.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 09-Jul-2014 12:52:45 ALS Bottle#: 0 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:19 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 13:04:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.810	1.809	0.001	342312	0.0125	0.0120
2	1.485	1.484	0.001	463511	0.0125	0.0112

RPD = 6.75

6 PCB-1016

1	2.698	2.698	0.000	959800	0.5000	0.4853
1	2.780	2.780	0.000	362344	0.5000	0.4762
1	2.839	2.838	0.001	246159	0.5000	0.4823
1	2.958	2.957	0.001	214378	0.5000	0.4629

Average of Peak Amounts = 0.4767

2	2.174	2.173	0.001	641787	0.5000	0.4739
2	2.478	2.476	0.002	1394569	0.5000	0.4917
2	2.590	2.590	0.000	516720	0.5000	0.4801
2	2.683	2.681	0.001	293152	0.5000	0.4833

Average of Peak Amounts = 0.4822

RPD = 1.16

9 PCB-1260

M

1	4.642	4.641	0.001	391088	0.5000	0.4761
1	4.828	4.827	0.001	377811	0.5000	0.4766
1	5.029	5.030	-0.001	949540	0.5000	0.4844
1	5.265	5.263	0.002	500998	0.5000	0.4777

Average of Peak Amounts = 0.4787

2	4.629	4.629	0.000	724062	0.5000	0.5126	M
2	4.697	4.698	-0.001	560496	0.5000	0.5017	M
2	4.768	4.768	0.000	1559161	0.5000	0.4854	M
2	5.101	5.100	0.001	932008	0.5000	0.4857	M

Average of Peak Amounts = 0.4963

RPD = 3.62

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_212.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.001	227866	0.0125	0.0115	
2	6.099	6.100	-0.001	333951	0.0125	0.0116	

RPD = 1.10

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.25

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_212.D

Injection Date: 09-Jul-2014 12:52:45

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD5

Worklist Smp#: 3

Client ID:

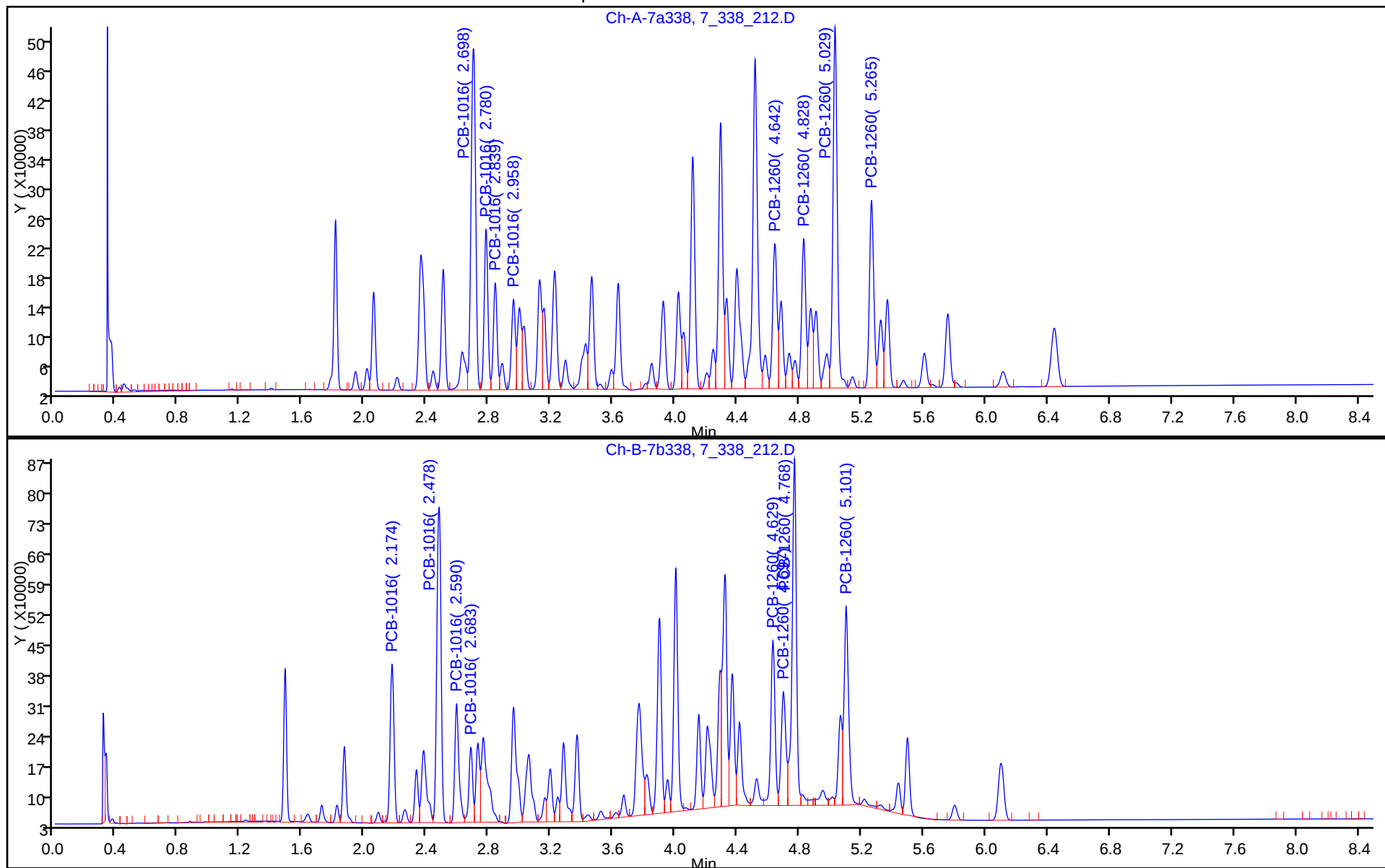
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_212.D

Injection Date: 09-Jul-2014 12:52:45

Instrument ID: HP6890-7

Lims ID: STD5

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 3

Injection Vol: 1.0 ul

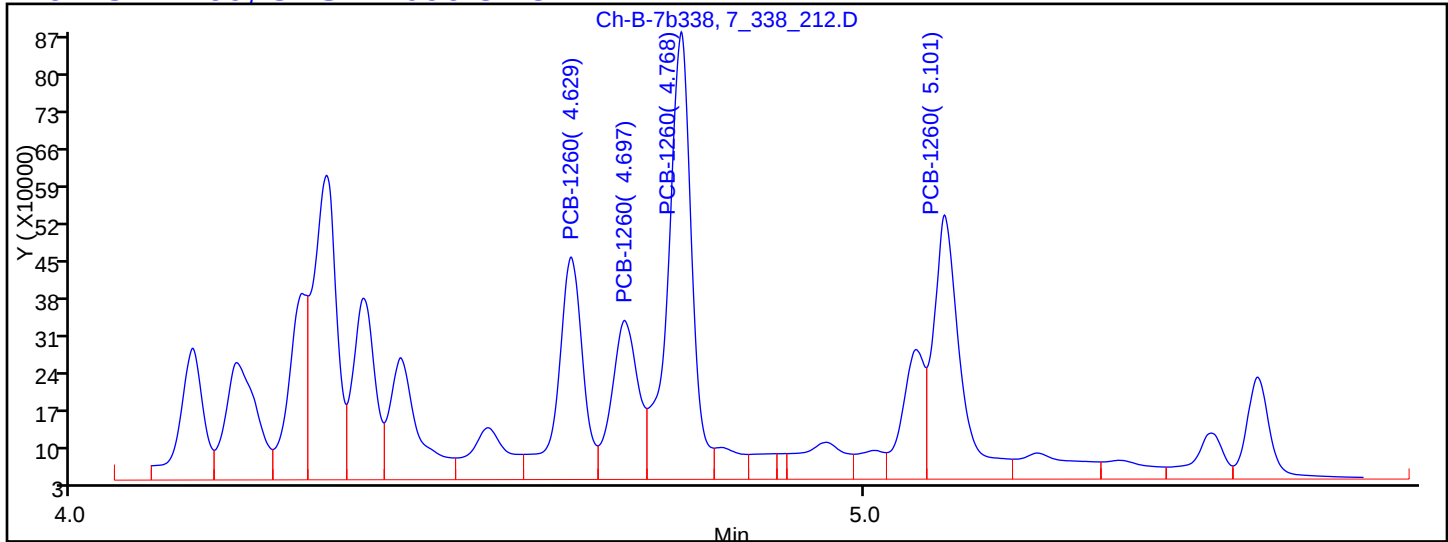
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

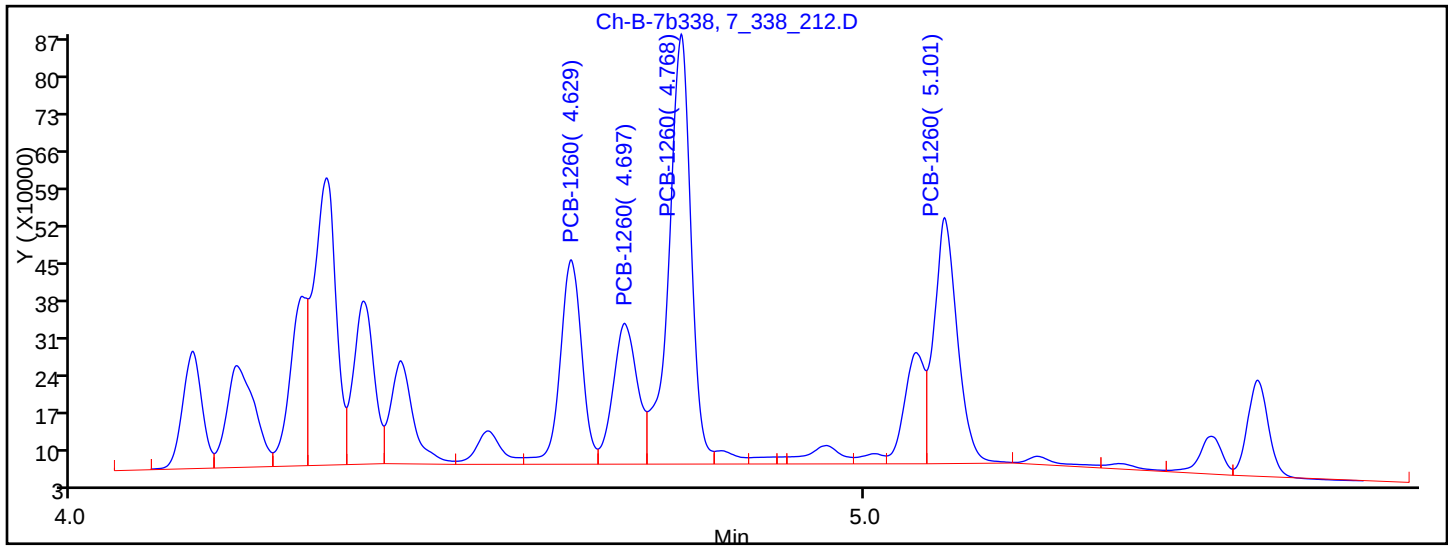
Column:

Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.629	Response = 919171	M
RT = 4.697	Response = 688218	M
RT = 4.768	Response = 1735310	M
RT = 5.101	Response = 1158143	M



Manual Integration Results

RT = 4.629	Response = 724062	M
RT = 4.697	Response = 560496	M
RT = 4.768	Response = 1559161	M
RT = 5.101	Response = 932008	M

Reviewer: RudzG, 09-Jul-2014 14:20:22

Audit Action: Assigned New Baseline

Audit Reason: Peak not integrated

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D
 Lims ID: STD4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 09-Jul-2014 13:08:35 ALS Bottle#: 0 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:21 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 13:20:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	140491	0.005000	0.004918	
2	1.484	1.484	0.000	195818	0.005000	0.004731	
RPD = 3.86							

6 PCB-1016

M

1	2.698	2.698	0.000	394055	0.2000	0.1992	
1	2.780	2.780	0.000	150485	0.2000	0.1978	
1	2.839	2.838	0.001	100968	0.2000	0.1978	
1	2.957	2.957	0.000	91378	0.2000	0.1973	
Average of Peak Amounts =							0.1980
2	2.174	2.173	0.001	270450	0.2000	0.1997	
2	2.477	2.476	0.001	571569	0.2000	0.2015	M
2	2.590	2.590	0.000	217198	0.2000	0.2018	M
2	2.682	2.681	0.001	124730	0.2000	0.2056	M
Average of Peak Amounts =							0.2022
RPD = 2.06							

9 PCB-1260

M

1	4.641	4.641	0.000	161961	0.2000	0.1972	
1	4.828	4.827	0.001	156633	0.2000	0.1976	
1	5.029	5.030	-0.001	383415	0.2000	0.1956	
1	5.265	5.263	0.002	204800	0.2000	0.1953	
Average of Peak Amounts =							0.1964
2	4.630	4.629	0.001	277411	0.2000	0.1964	M
2	4.698	4.698	0.000	222880	0.2000	0.1995	M
2	4.766	4.768	-0.002	642607	0.2000	0.2000	M
2	5.100	5.100	0.000	378282	0.2000	0.1971	
Average of Peak Amounts =							0.1983
RPD = 0.94							

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.002	97710	0.005000	0.004931	
2	6.101	6.100	0.001	141255	0.005000	0.004918	

RPD = 0.27

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.10

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D

Injection Date: 09-Jul-2014 13:08:35

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD4

Worklist Smp#: 4

Client ID:

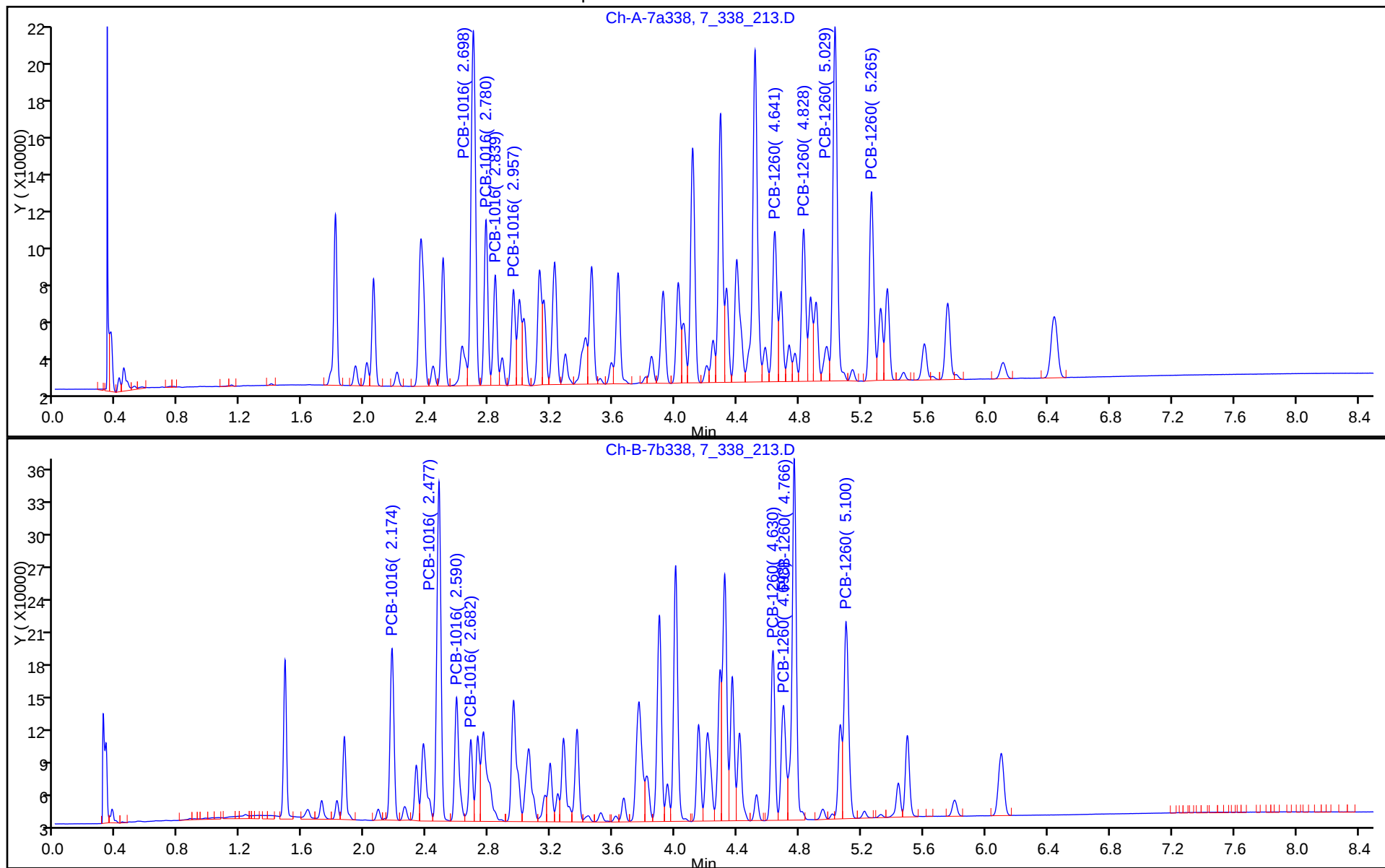
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D

Injection Date: 09-Jul-2014 13:08:35

Instrument ID: HP6890-7

Lims ID: STD4

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 1.0 ul

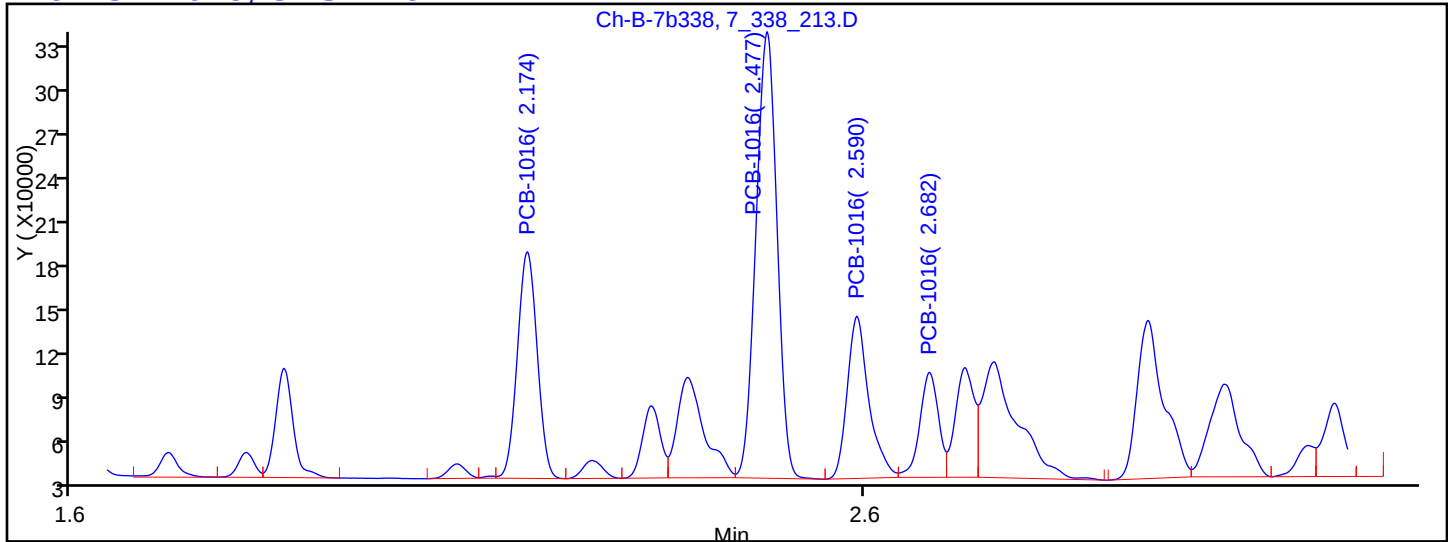
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

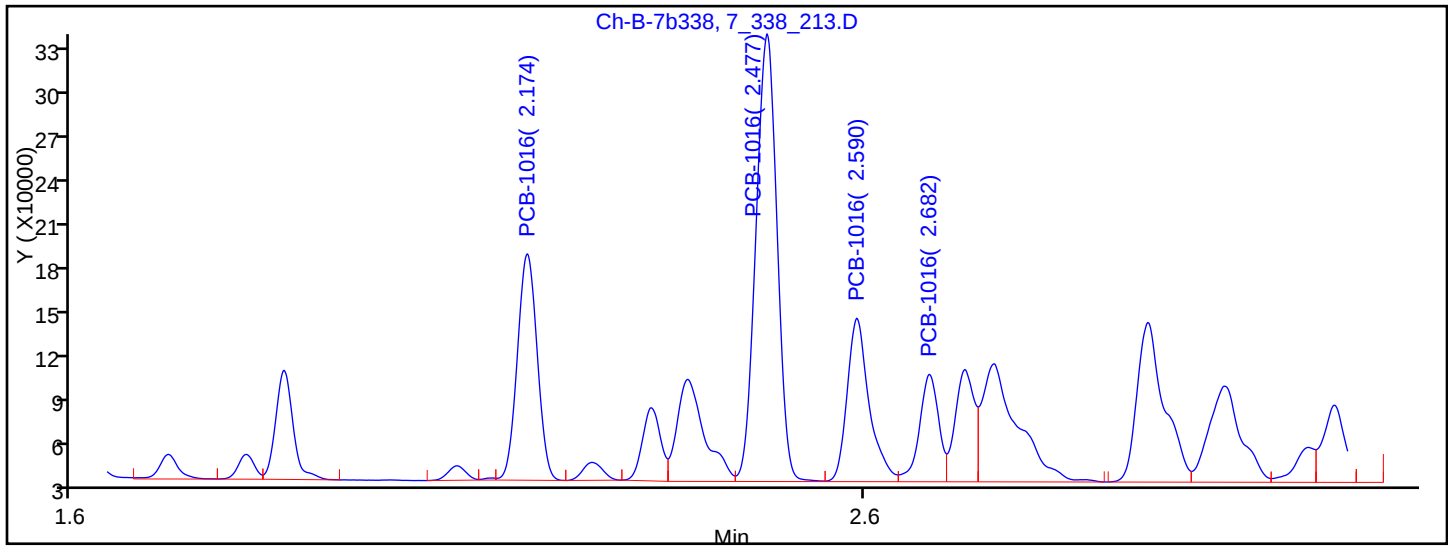
Column:

Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.174	Response = 270450	
RT = 2.477	Response = 565847	M
RT = 2.590	Response = 211521	M
RT = 2.682	Response = 118368	M



Manual Integration Results

RT = 2.174	Response = 270450	
RT = 2.477	Response = 571569	M
RT = 2.590	Response = 217198	M
RT = 2.682	Response = 124730	M

Reviewer: eversd, 09-Jul-2014 13:20:24

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_213.D

Injection Date: 09-Jul-2014 13:08:35

Instrument ID: HP6890-7

Lims ID: STD4

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 1.0 ul

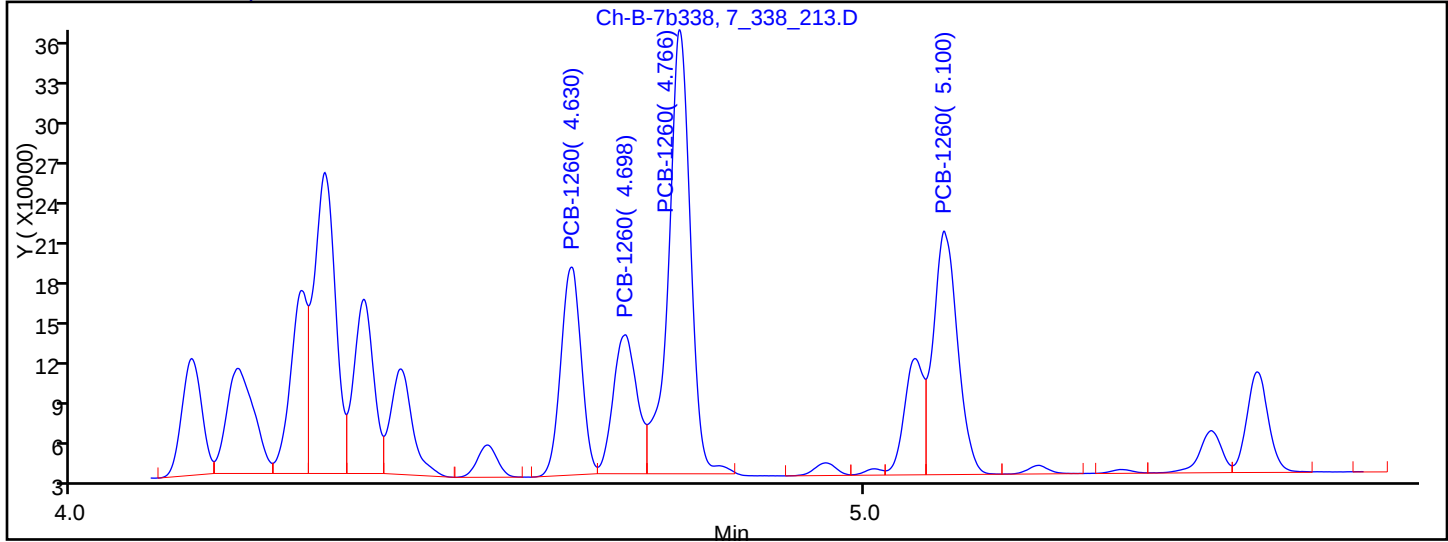
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

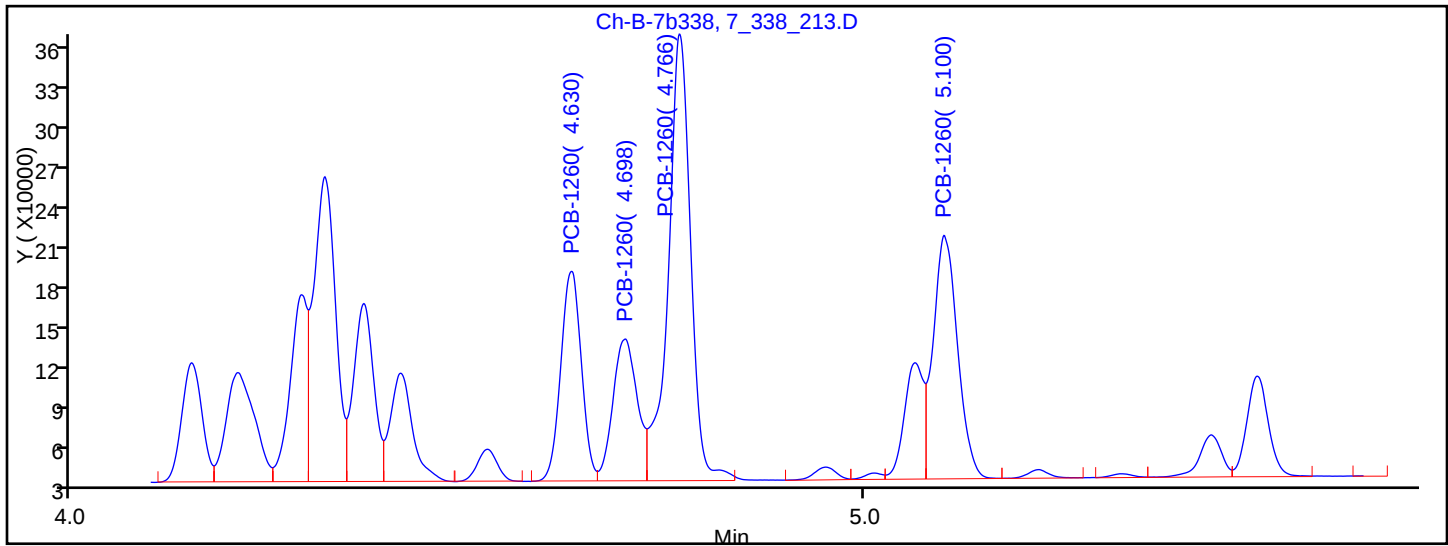
Column:

Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.630	Response = 272774	M
RT = 4.698	Response = 215127	M
RT = 4.766	Response = 629992	M
RT = 5.100	Response = 378282	



Manual Integration Results

RT = 4.630	Response = 277411	M
RT = 4.698	Response = 222880	M
RT = 4.766	Response = 642607	M
RT = 5.100	Response = 378282	

Reviewer: eversd, 09-Jul-2014 13:20:24

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_214.D
 Lims ID: STD3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 09-Jul-2014 13:24:35 ALS Bottle#: 0 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:24 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 13:39:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	71374	0.002500	0.002498	
2	1.485	1.484	0.001	101689	0.002500	0.002457	
RPD = 1.67							

6 PCB-1016

1	2.698	2.698	0.000	198932	0.1000	0.1006	
1	2.780	2.780	0.000	77067	0.1000	0.1013	
1	2.839	2.838	0.001	51210	0.1000	0.1003	
1	2.956	2.957	-0.001	47846	0.1000	0.1033	
Average of Peak Amounts =							0.1014
2	2.174	2.173	0.001	140043	0.1000	0.1034	
2	2.476	2.476	0.000	284925	0.1000	0.1005	
2	2.590	2.590	0.000	108007	0.1000	0.1004	
2	2.683	2.681	0.001	62207	0.1000	0.1025	
Average of Peak Amounts =							0.1017
RPD = 0.31							

9 PCB-1260

1	4.642	4.641	0.001	83794	0.1000	0.1020	
1	4.828	4.827	0.001	80417	0.1000	0.1014	
1	5.029	5.030	-0.001	195093	0.1000	0.0995	
1	5.263	5.263	0.000	104964	0.1000	0.1001	
Average of Peak Amounts =							0.1008
2	4.630	4.629	0.001	141161	0.1000	0.0999	M
2	4.698	4.698	0.000	113138	0.1000	0.1013	M
2	4.768	4.768	0.000	319950	0.1000	0.0996	M
2	5.102	5.100	0.002	190080	0.1000	0.0991	M
Average of Peak Amounts =							0.1000
RPD = 0.80							

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_214.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.443	6.441	0.001	51352	0.002500	0.002592	
2	6.099	6.100	-0.001	73545	0.002500	0.002561	

RPD = 1.21

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.05

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_214.D

Injection Date: 09-Jul-2014 13:24:35

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD3

Worklist Smp#: 5

Client ID:

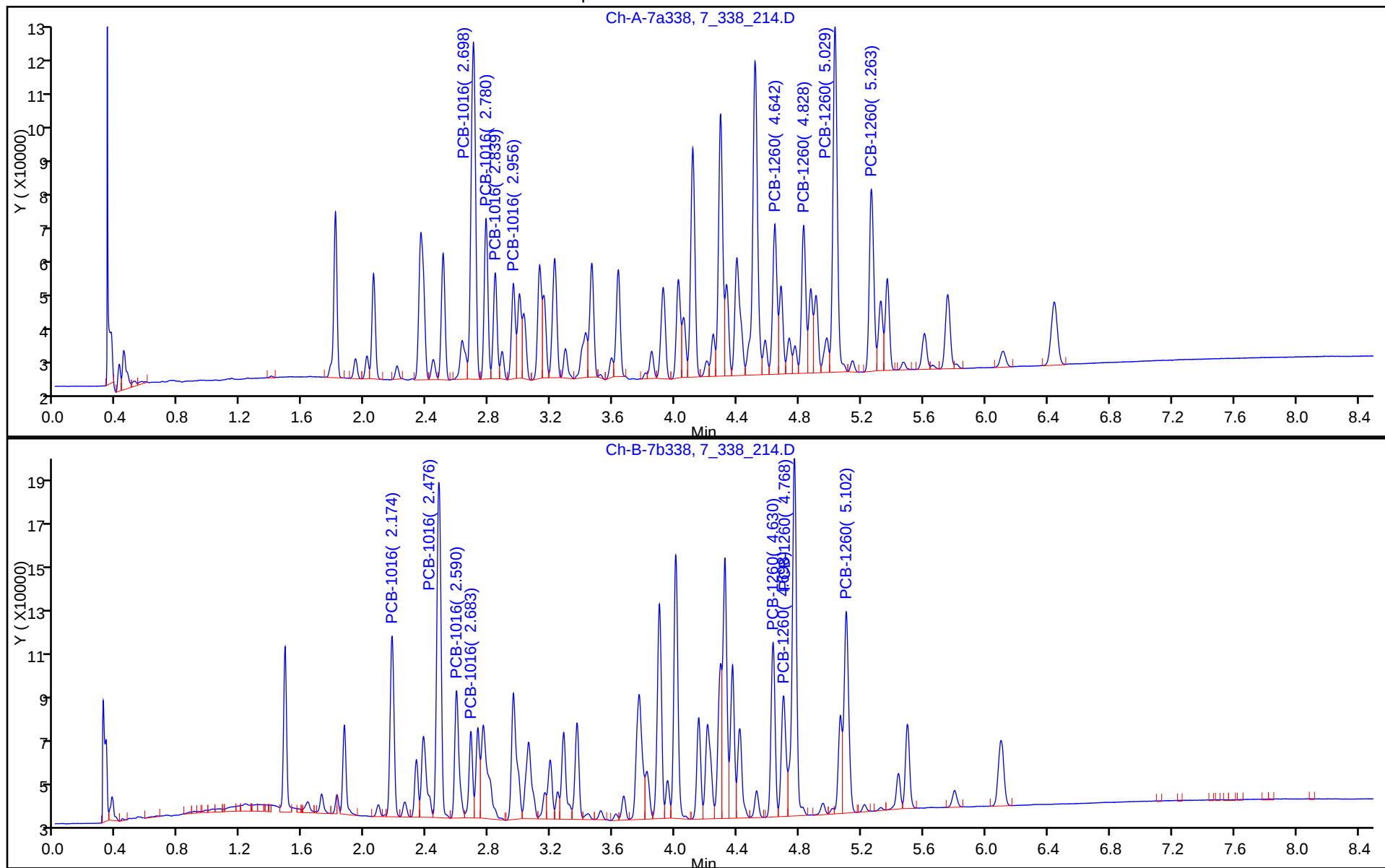
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_214.D

Injection Date: 09-Jul-2014 13:24:35

Instrument ID: HP6890-7

Lims ID: STD3

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

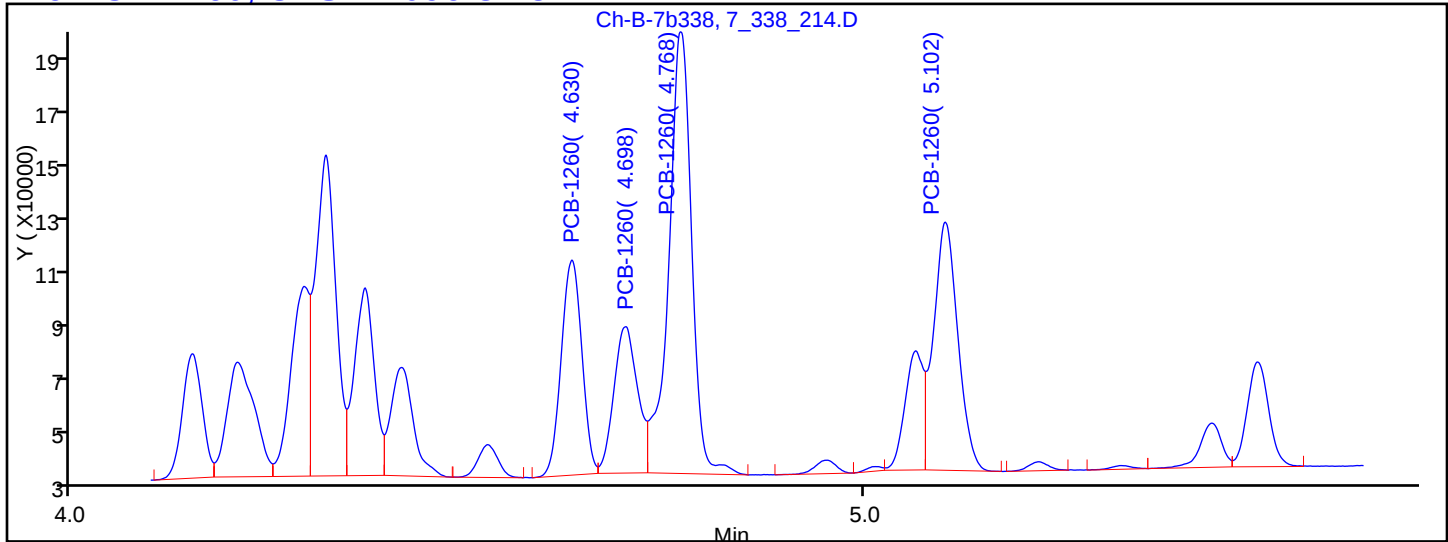
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

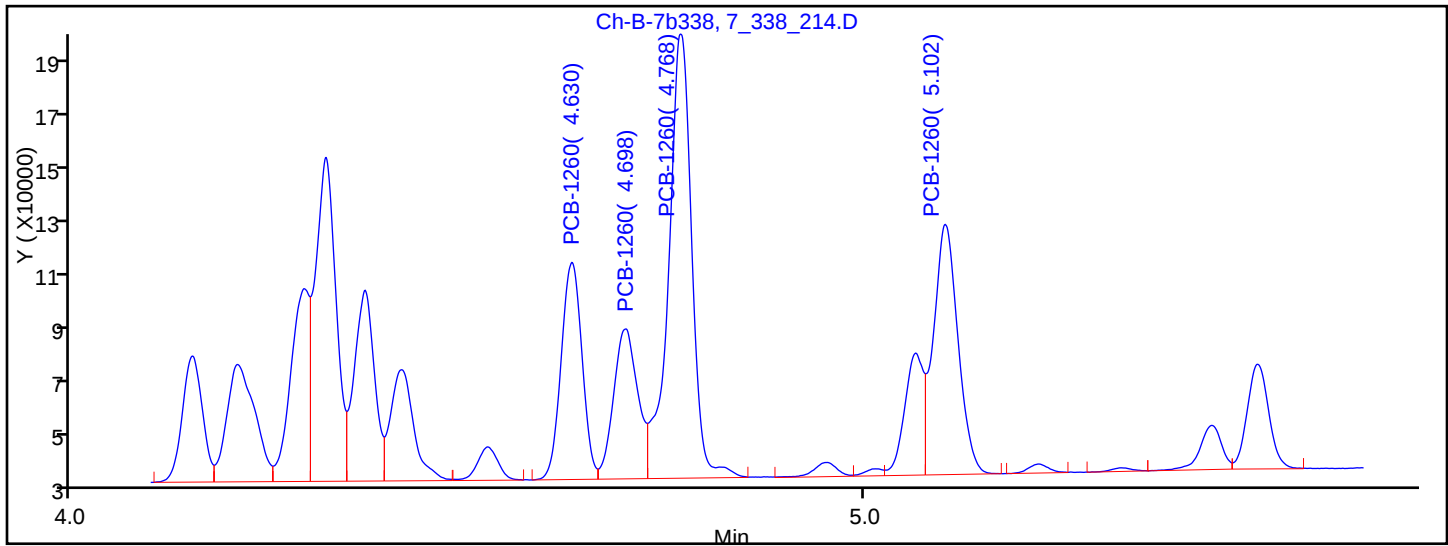
Column:

Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.630	Response = 138066	M
RT = 4.698	Response = 108417	M
RT = 4.768	Response = 314823	M
RT = 5.102	Response = 187176	M



Manual Integration Results

RT = 4.630	Response = 141161	M
RT = 4.698	Response = 113138	M
RT = 4.768	Response = 319950	M
RT = 5.102	Response = 190080	M

Reviewer: eversd, 09-Jul-2014 13:39:07

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_215.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 09-Jul-2014 13:40:21 ALS Bottle#: 0 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:26 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 14:15:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.808	1.809	-0.001	37362	0.001250	0.001308	
2	1.484	1.484	0.000	57732	0.001250	0.001395	
RPD = 6.45							

6 PCB-1016

1	2.698	2.698	0.000	102524	0.0500	0.0518	
1	2.780	2.780	0.000	40376	0.0500	0.0531	
1	2.838	2.838	0.000	26691	0.0500	0.0523	
1	2.957	2.957	0.000	25646	0.0500	0.0554	
Average of Peak Amounts =							0.0531
2	2.174	2.173	0.001	73136	0.0500	0.0540	
2	2.476	2.476	0.000	143449	0.0500	0.0506	
2	2.589	2.590	-0.001	56260	0.0500	0.0523	
2	2.682	2.681	0.001	32232	0.0500	0.0531	
Average of Peak Amounts =							0.0525
RPD = 1.22							

9 PCB-1260

1	4.641	4.641	0.000	42956	0.0500	0.0523	
1	4.828	4.827	0.001	41270	0.0500	0.0521	
1	5.029	5.030	-0.001	101137	0.0500	0.0516	
1	5.264	5.263	0.001	54615	0.0500	0.0521	
Average of Peak Amounts =							0.0520
2	4.629	4.629	0.000	72243	0.0500	0.0511	M
2	4.697	4.698	-0.001	58017	0.0500	0.0519	M
2	4.768	4.768	0.000	161454	0.0500	0.0503	M
2	5.102	5.100	0.002	98342	0.0500	0.0513	
Average of Peak Amounts =							0.0511
RPD = 1.67							

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_215.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.444	6.441	0.003	26953	0.001250	0.001360	
2	6.100	6.100	0.000	39649	0.001250	0.001380	

RPD = 1.47

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.03

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_215.D

Injection Date: 09-Jul-2014 13:40:21

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD2

Worklist Smp#: 6

Client ID:

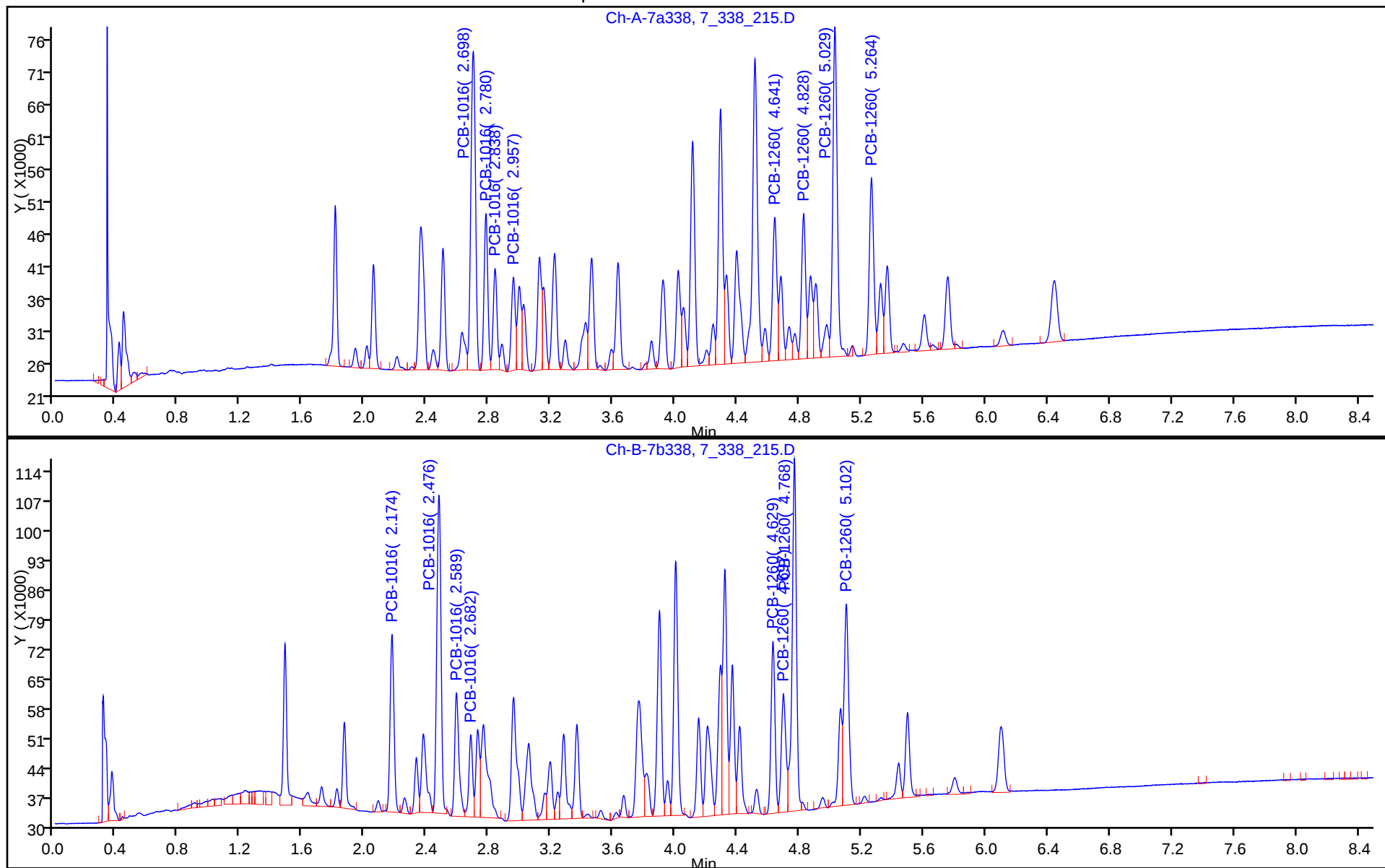
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_215.D

Injection Date: 09-Jul-2014 13:40:21

Instrument ID: HP6890-7

Lims ID: STD2

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 6

Injection Vol: 1.0 ul

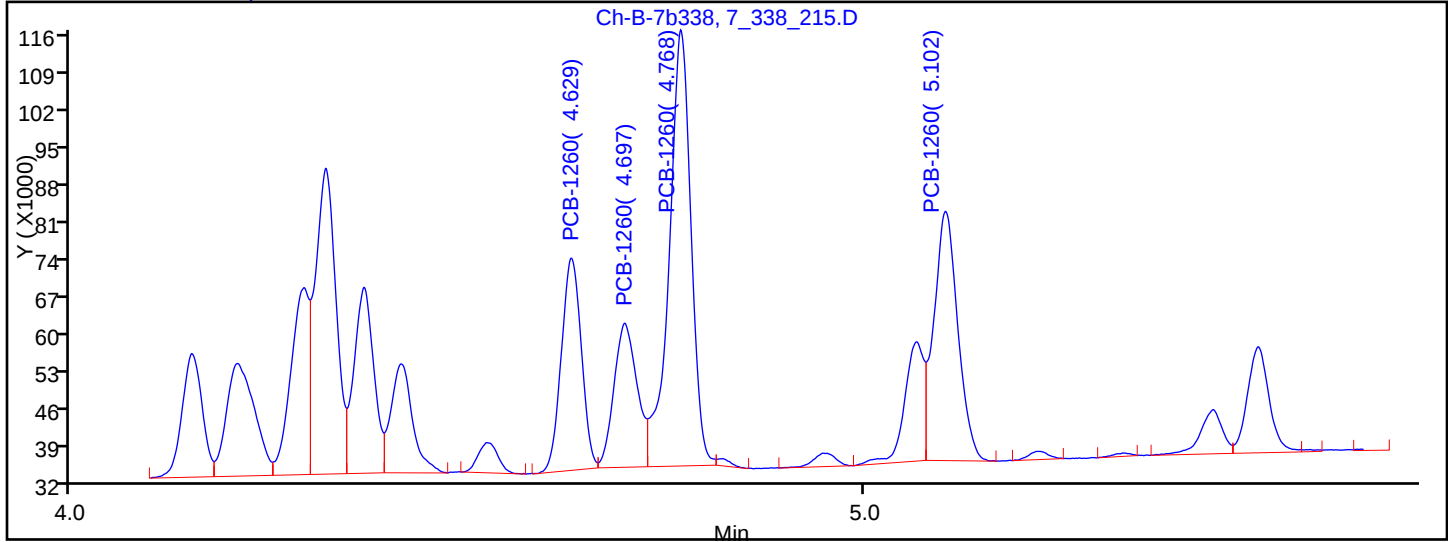
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

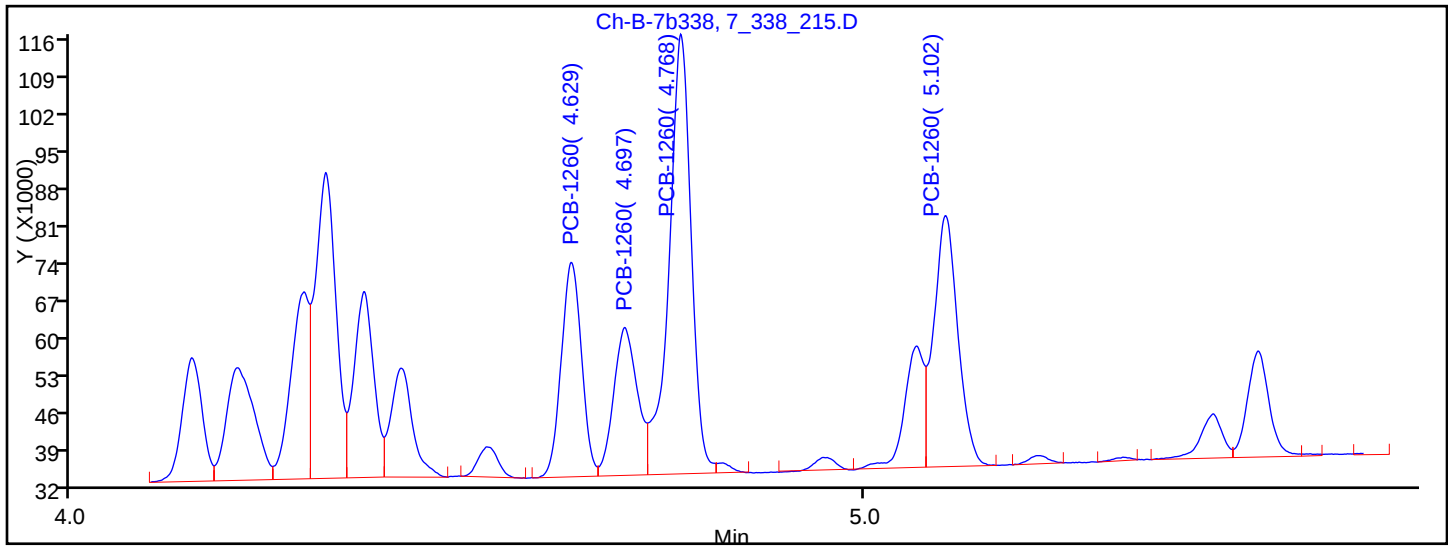
Column:

Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.629	Response = 70531	M
RT = 4.697	Response = 55272	M
RT = 4.768	Response = 157908	M
RT = 5.102	Response = 98342	



Manual Integration Results

RT = 4.629	Response = 72243	M
RT = 4.697	Response = 58017	M
RT = 4.768	Response = 161454	M
RT = 5.102	Response = 98342	

Reviewer: eversd, 09-Jul-2014 14:15:04

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_216.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 13:56:17 ALS Bottle#: 0 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub1
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:28 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 10-Jul-2014 07:28:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.809	1.809	0.000	16137	0.000500	0.000565	
2	1.484	1.484	0.000	26384	0.000500	0.000637	
RPD = 12.08							

6 PCB-1016

1	2.698	2.698	0.000	43432	0.0200	0.0220	
1	2.780	2.780	0.000	17297	0.0200	0.0227	
1	2.838	2.838	0.000	11061	0.0200	0.0217	
1	2.957	2.957	0.000	10699	0.0200	0.0231	

Average of Peak Amounts = 0.0224

2	2.173	2.173	0.000	31344	0.0200	0.0231	
2	2.476	2.476	0.000	59805	0.0200	0.0211	
2	2.590	2.590	0.000	23166	0.0200	0.0215	
2	2.681	2.681	0.000	11524	0.0200	0.0190	

Average of Peak Amounts = 0.0212

RPD = 5.41

9 PCB-1260

1	4.641	4.641	0.000	17910	0.0200	0.0218	
1	4.827	4.827	0.000	16883	0.0200	0.0213	
1	5.030	5.030	0.000	41141	0.0200	0.0210	
1	5.263	5.263	0.000	23148	0.0200	0.0221	

Average of Peak Amounts = 0.0215

2	4.629	4.629	0.000	29515	0.0200	0.0209	
2	4.698	4.698	0.000	22813	0.0200	0.0204	
2	4.768	4.768	0.000	66613	0.0200	0.0207	
2	5.100	5.100	0.000	40369	0.0200	0.0210	

Average of Peak Amounts = 0.0208

RPD = 3.63

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_216.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.441	6.441	0.000	11733	0.000500	0.000592	
2	6.100	6.100	0.000	16205	0.000500	0.000564	

RPD = 4.83

Reagents:

AR1660 2.0 ng_00017

Amount Added: 0.01

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_216.D

Injection Date: 09-Jul-2014 13:56:17

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD1

Worklist Smp#: 7

Client ID:

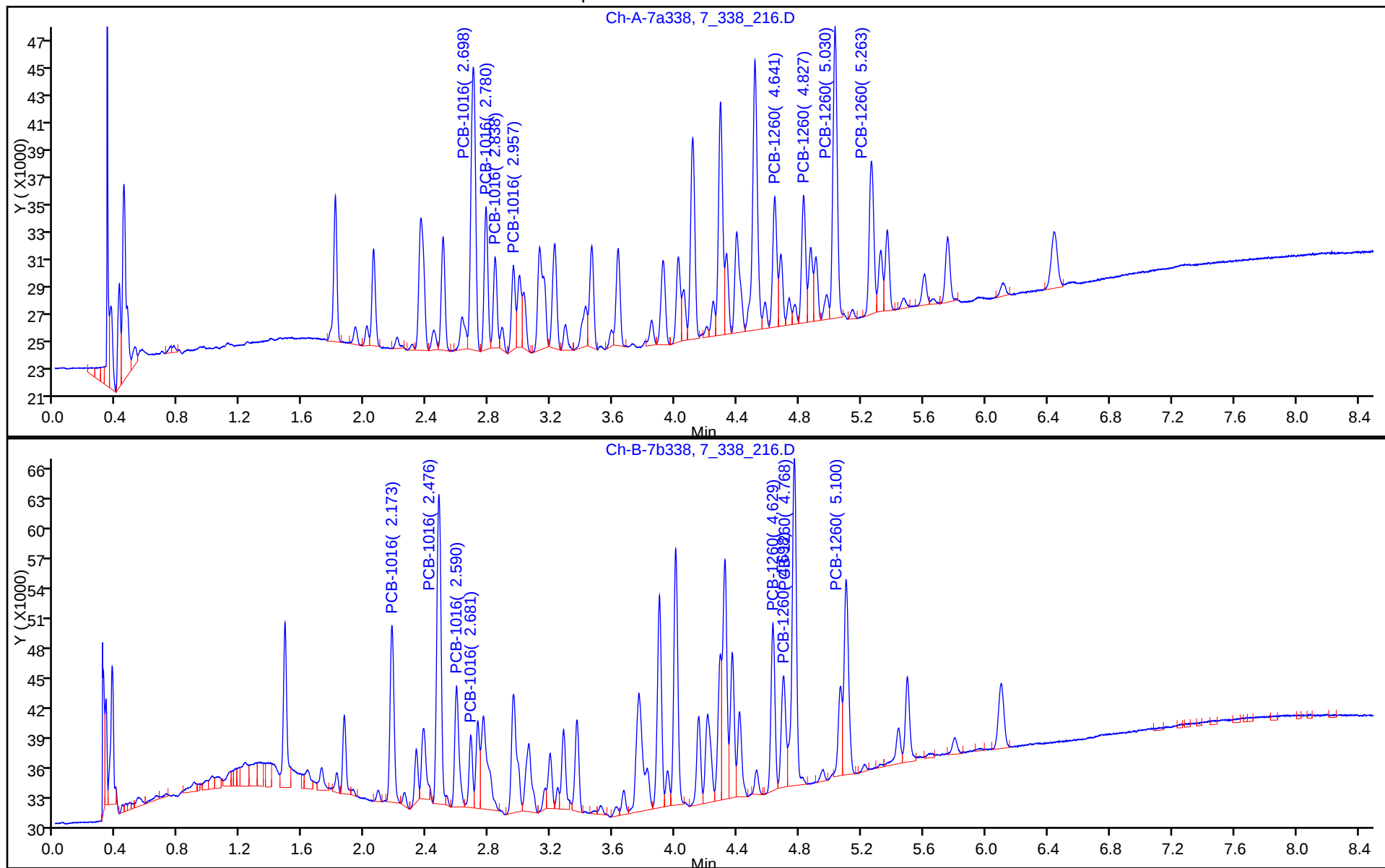
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:28 Calibration End Date: 07/09/2014 14:28 Calibration ID: 19296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-191849/9	7_338_218.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.395										1.365 - 1.425	1.395
PCB-1221 Peak 2	1.640										1.610 - 1.670	1.640
PCB-1221 Peak 3	1.939										1.909 - 1.969	1.939
PCB-1221 Peak 4	2.056										2.026 - 2.086	2.056

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:28 Calibration End Date: 07/09/2014 14:28 Calibration ID: 19296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-191849/9	7_338_218.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	162392				Ave		162392.000						20.0			
PCB-1221 Peak 2	59126				Ave		59126.0000						20.0			
PCB-1221 Peak 3	254178				Ave		254178.000						20.0			
PCB-1221 Peak 4	591386				Ave		591386.000						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:28 Calibration End Date: 07/09/2014 14:28 Calibration ID: 19296

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-191849/9	7 338 218.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	81196					0.500				
PCB-1221 Peak 2	Ave	29563					0.500				
PCB-1221 Peak 3	Ave	127089					0.500				
PCB-1221 Peak 4	Ave	295693					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_218.D
 Lims ID: STD21
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 14:28:06 ALS Bottle#: 0 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub2
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:33 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 14:49:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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2 PCB-1221

1	1.395	1.395	0.000	81196	0.5000	0.5000
1	1.640	1.640	0.000	29563	0.5000	0.5000
1	1.939	1.939	0.000	127089	0.5000	0.5000
1	2.056	2.056	0.000	295693	0.5000	0.5000

Average of Peak Amounts = 0.5000

2	1.229	1.229	0.000	121474	0.5000	0.5000
2	1.443	1.443	0.000	40608	0.5000	0.5000
2	1.720	1.720	0.000	183809	0.5000	0.5000
2	1.866	1.866	0.000	402034	0.5000	0.5000

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1221.5ng_00013

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_218.D

Injection Date: 09-Jul-2014 14:28:06

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD21

Worklist Smp#: 9

Client ID:

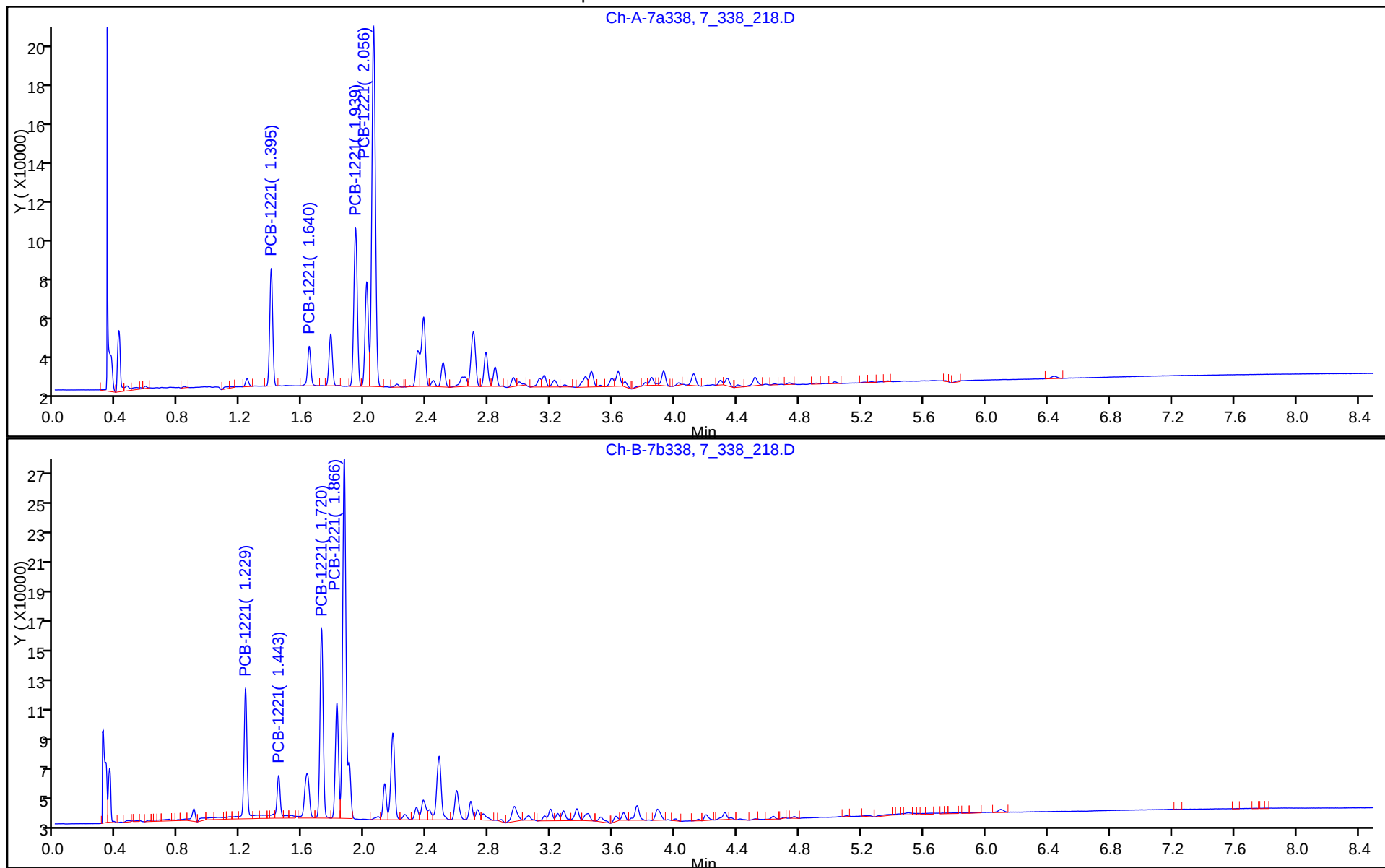
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:28 Calibration End Date: 07/09/2014 14:28 Calibration ID: 19297

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-191849/9	7_338_218.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.229										1.199 - 1.259	1.229
PCB-1221 Peak 2	1.443										1.413 - 1.473	1.443
PCB-1221 Peak 3	1.720										1.690 - 1.750	1.720
PCB-1221 Peak 4	1.866										1.836 - 1.896	1.866

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:28 Calibration End Date: 07/09/2014 14:28 Calibration ID: 19297

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-191849/9	7_338_218.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	242948				Ave		242948.000						20.0			
PCB-1221 Peak 2	81216				Ave		81216.0000						20.0			
PCB-1221 Peak 3	367618				Ave		367618.000						20.0			
PCB-1221 Peak 4	804068				Ave		804068.000						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:28 Calibration End Date: 07/09/2014 14:28 Calibration ID: 19297

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-191849/9	7 338 218.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	121474					0.500				
PCB-1221 Peak 2	Ave	40608					0.500				
PCB-1221 Peak 3	Ave	183809					0.500				
PCB-1221 Peak 4	Ave	402034					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_218.D
 Lims ID: STD21
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 14:28:06 ALS Bottle#: 0 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub2
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:33 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 14:49:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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2 PCB-1221

1	1.395	1.395	0.000	81196	0.5000	0.5000
1	1.640	1.640	0.000	29563	0.5000	0.5000
1	1.939	1.939	0.000	127089	0.5000	0.5000
1	2.056	2.056	0.000	295693	0.5000	0.5000

Average of Peak Amounts = 0.5000

2	1.229	1.229	0.000	121474	0.5000	0.5000
2	1.443	1.443	0.000	40608	0.5000	0.5000
2	1.720	1.720	0.000	183809	0.5000	0.5000
2	1.866	1.866	0.000	402034	0.5000	0.5000

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1221.5ng_00013

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_218.D

Injection Date: 09-Jul-2014 14:28:06

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD21

Worklist Smp#: 9

Client ID:

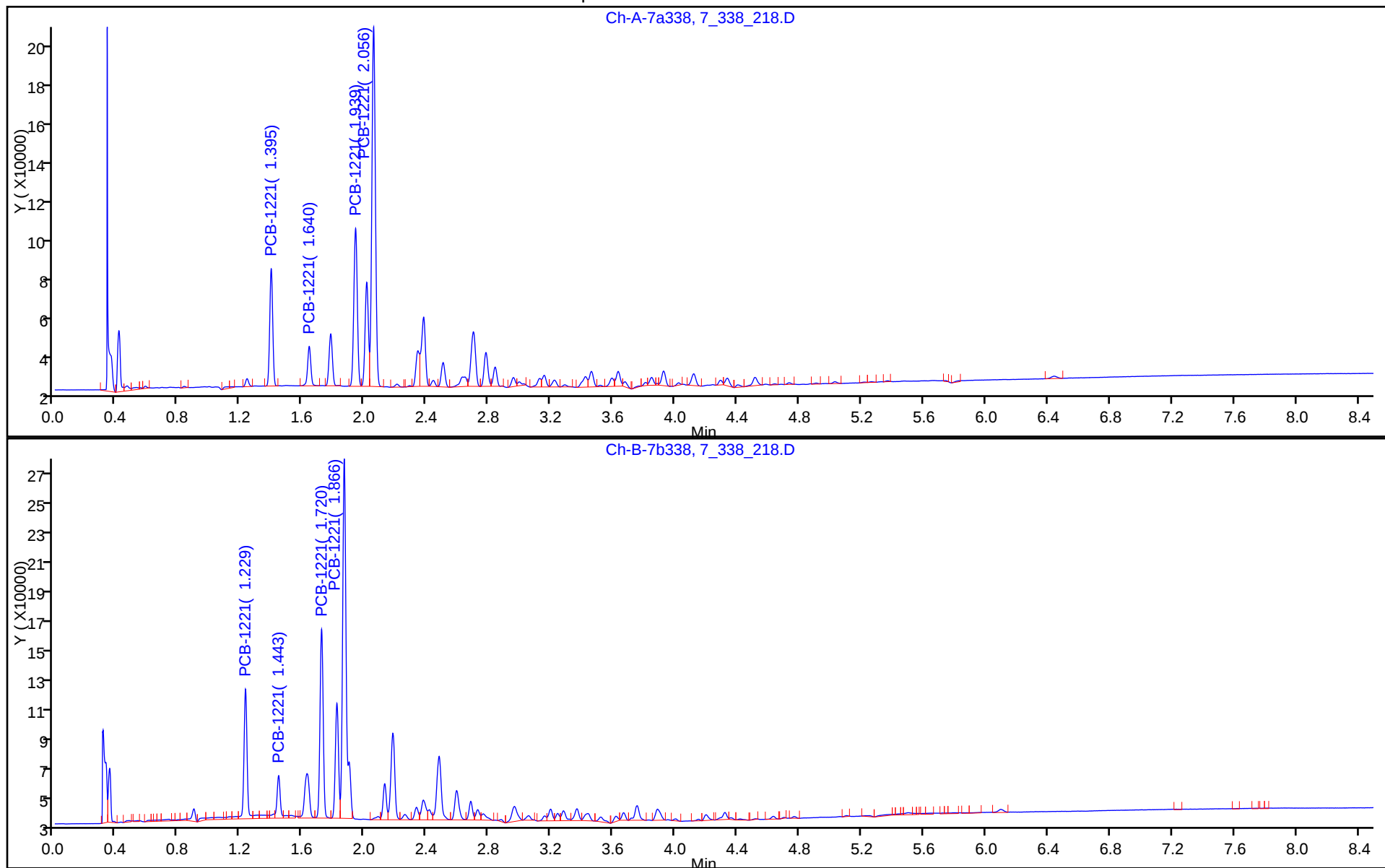
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:59 Calibration End Date: 07/09/2014 14:59 Calibration ID: 19302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-191849/11	7_338_220.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.363										2.333 - 2.393	2.363
PCB-1232 Peak 2	2.698										2.668 - 2.728	2.698
PCB-1232 Peak 3	2.780										2.750 - 2.810	2.780
PCB-1232 Peak 4	2.839										2.809 - 2.869	2.839

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:59 Calibration End Date: 07/09/2014 14:59 Calibration ID: 19302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-191849/11	7_338_220.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	493972				Ave		493972.000						20.0			
PCB-1232 Peak 2	963432				Ave		963432.000						20.0			
PCB-1232 Peak 3	376158				Ave		376158.000						20.0			
PCB-1232 Peak 4	252780				Ave		252780.000						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:59 Calibration End Date: 07/09/2014 14:59 Calibration ID: 19302

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-191849/11	7 338 220.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	246986					0.500				
PCB-1232 Peak 2	Ave	481716					0.500				
PCB-1232 Peak 3	Ave	188079					0.500				
PCB-1232 Peak 4	Ave	126390					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_220.D
 Lims ID: STD32
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 14:59:56 ALS Bottle#: 0 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub3
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:38 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 15:13:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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5 PCB-1232

1	2.363	2.363	0.000	246986	0.5000	0.5000	a
1	2.698	2.698	0.000	481716	0.5000	0.5000	
1	2.780	2.780	0.000	188079	0.5000	0.5000	
1	2.839	2.839	0.000	126390	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	2.175	2.175	0.000	356755	0.5000	0.5000	
2	2.477	2.477	0.000	697817	0.5000	0.5000	
2	2.590	2.590	0.000	258643	0.5000	0.5000	
2	2.683	2.683	0.000	145394	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1232.5ng_00006

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_220.D

Injection Date: 09-Jul-2014 14:59:56

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD32

Worklist Smp#: 11

Client ID:

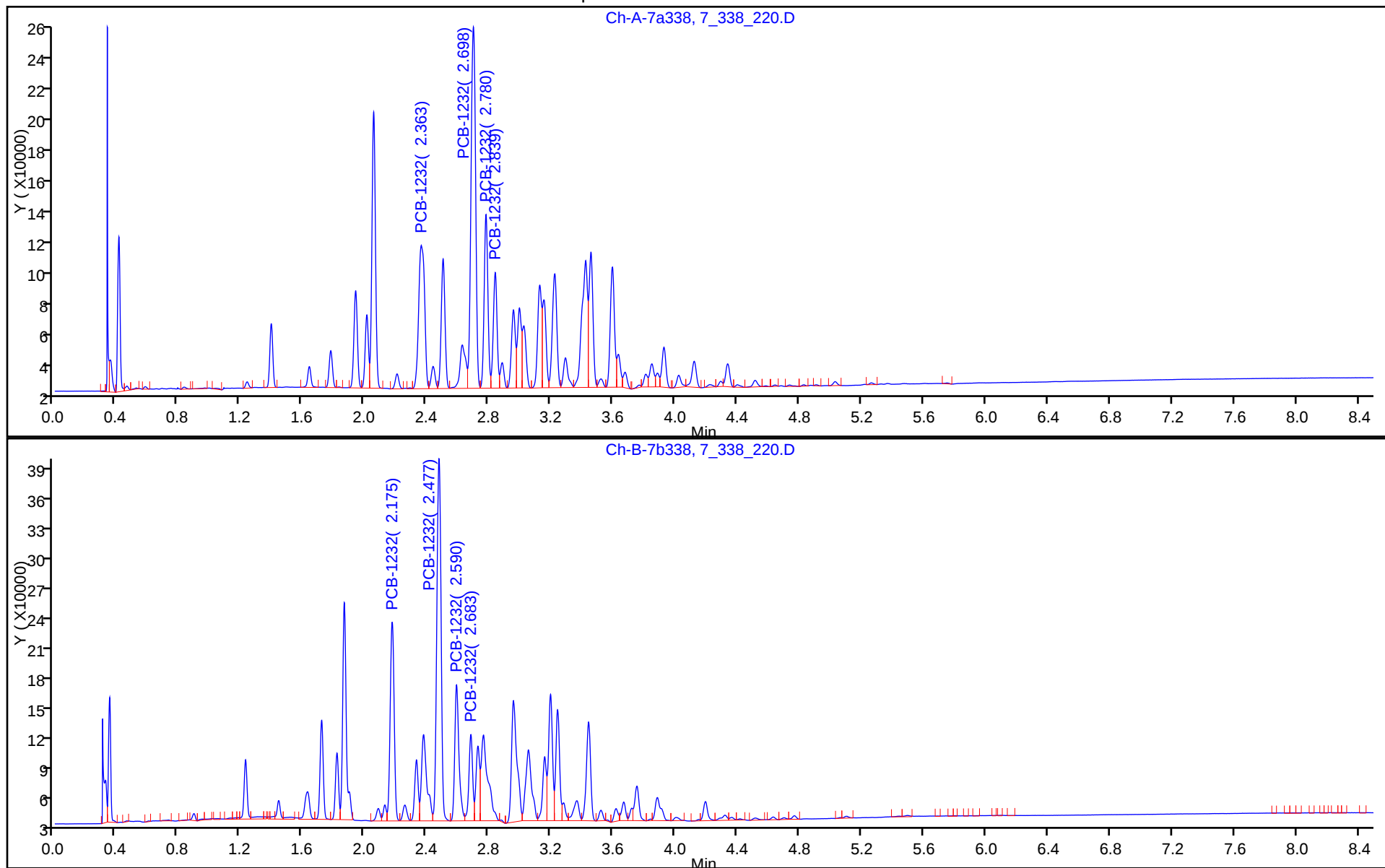
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:59 Calibration End Date: 07/09/2014 14:59 Calibration ID: 19303

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-191849/11	7_338_220.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.175										2.145 - 2.205	2.175
PCB-1232 Peak 2	2.477										2.447 - 2.507	2.477
PCB-1232 Peak 3	2.590										2.560 - 2.620	2.590
PCB-1232 Peak 4	2.683										2.653 - 2.713	2.683

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:59 Calibration End Date: 07/09/2014 14:59 Calibration ID: 19303

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-191849/11	7_338_220.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	713510				Ave		713510.000						20.0			
PCB-1232 Peak 2	1395634				Ave		1395634.00						20.0			
PCB-1232 Peak 3	517286				Ave		517286.000						20.0			
PCB-1232 Peak 4	290788				Ave		290788.000						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 14:59 Calibration End Date: 07/09/2014 14:59 Calibration ID: 19303

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-191849/11	7 338 220.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	356755					0.500				
PCB-1232 Peak 2	Ave	697817					0.500				
PCB-1232 Peak 3	Ave	258643					0.500				
PCB-1232 Peak 4	Ave	145394					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_220.D
 Lims ID: STD32
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 14:59:56 ALS Bottle#: 0 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub3
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:38 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 09-Jul-2014 15:13:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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5 PCB-1232

1	2.363	2.363	0.000	246986	0.5000	0.5000	a
1	2.698	2.698	0.000	481716	0.5000	0.5000	
1	2.780	2.780	0.000	188079	0.5000	0.5000	
1	2.839	2.839	0.000	126390	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	2.175	2.175	0.000	356755	0.5000	0.5000	
2	2.477	2.477	0.000	697817	0.5000	0.5000	
2	2.590	2.590	0.000	258643	0.5000	0.5000	
2	2.683	2.683	0.000	145394	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1232.5ng_00006

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_220.D

Injection Date: 09-Jul-2014 14:59:56

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD32

Worklist Smp#: 11

Client ID:

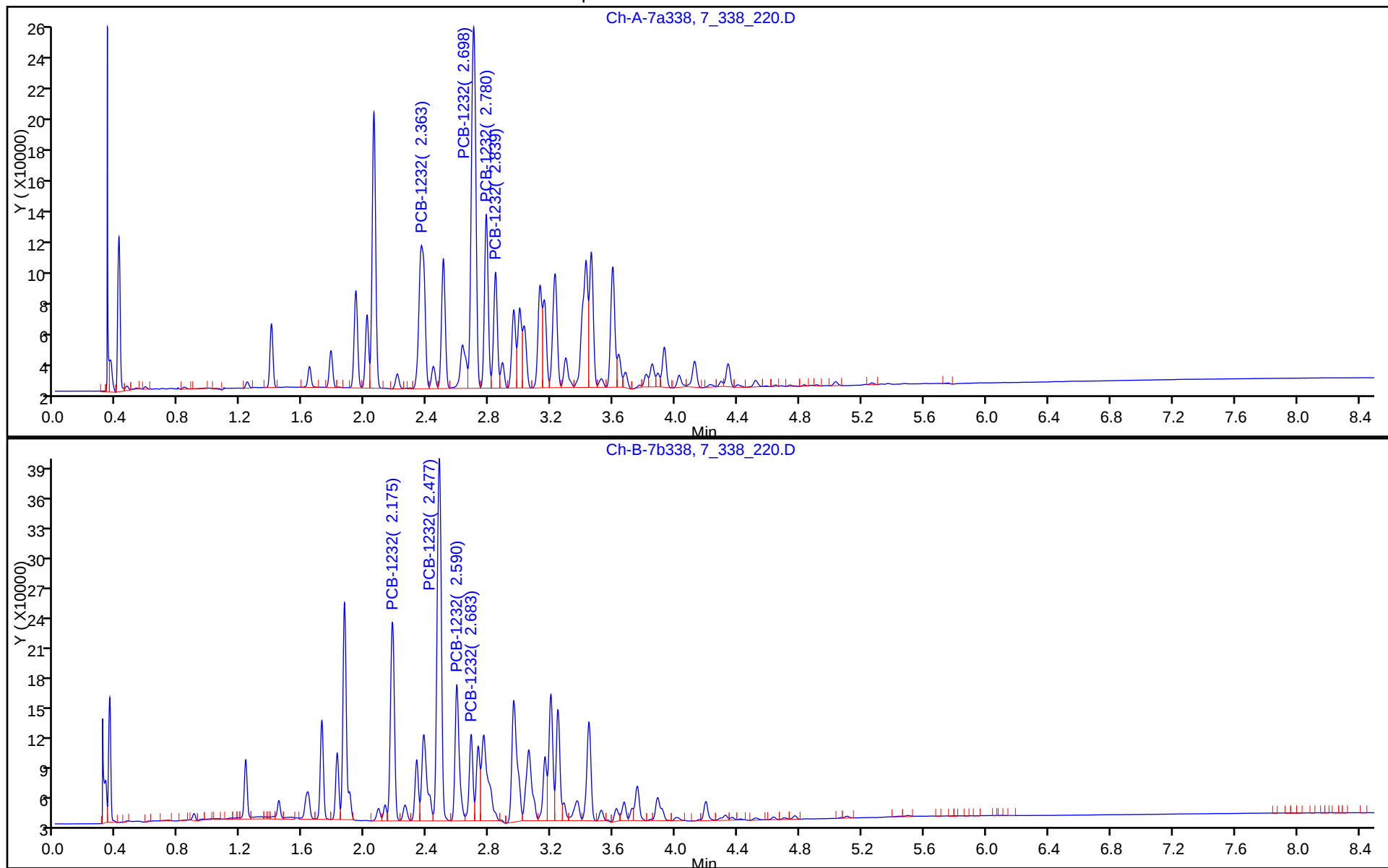
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 15:31 Calibration End Date: 07/09/2014 15:31 Calibration ID: 19308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-191849/13	7_338_222.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.362										2.332 - 2.392	2.362
PCB-1242 Peak 2	2.698										2.668 - 2.728	2.698
PCB-1242 Peak 3	2.779										2.749 - 2.809	2.779
PCB-1242 Peak 4	2.838										2.808 - 2.868	2.838

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 15:31 Calibration End Date: 07/09/2014 15:31 Calibration ID: 19308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-191849/13	7_338_222.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	780732				Ave		780732.000						20.0			
PCB-1242 Peak 2	1722338				Ave		1722338.00						20.0			
PCB-1242 Peak 3	653038				Ave		653038.000						20.0			
PCB-1242 Peak 4	442738				Ave		442738.000						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 15:31 Calibration End Date: 07/09/2014 15:31 Calibration ID: 19308

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-191849/13	7 338 222.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	390366					0.500				
PCB-1242 Peak 2	Ave	861169					0.500				
PCB-1242 Peak 3	Ave	326519					0.500				
PCB-1242 Peak 4	Ave	221369					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_222.D
 Lims ID: STD42
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 15:31:38 ALS Bottle#: 0 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub4
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:43 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D

Column 1 : Det: Ch-A-7A136

Column 2 : Det: Ch-B-7b136

Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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4 PCB-1242

1	2.362	2.362	0.000	390366	0.5000	0.5000	
1	2.698	2.698	0.000	861169	0.5000	0.5000	
1	2.779	2.779	0.000	326519	0.5000	0.5000	
1	2.838	2.838	0.000	221369	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	2.175	2.175	0.000	582624	0.5000	0.5000	
2	2.478	2.478	0.000	1256638	0.5000	0.5000	
2	2.590	2.590	0.000	466883	0.5000	0.5000	
2	2.683	2.683	0.000	279553	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1242.5ng_00008

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_222.D

Injection Date: 09-Jul-2014 15:31:38

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD42

Worklist Smp#: 13

Client ID:

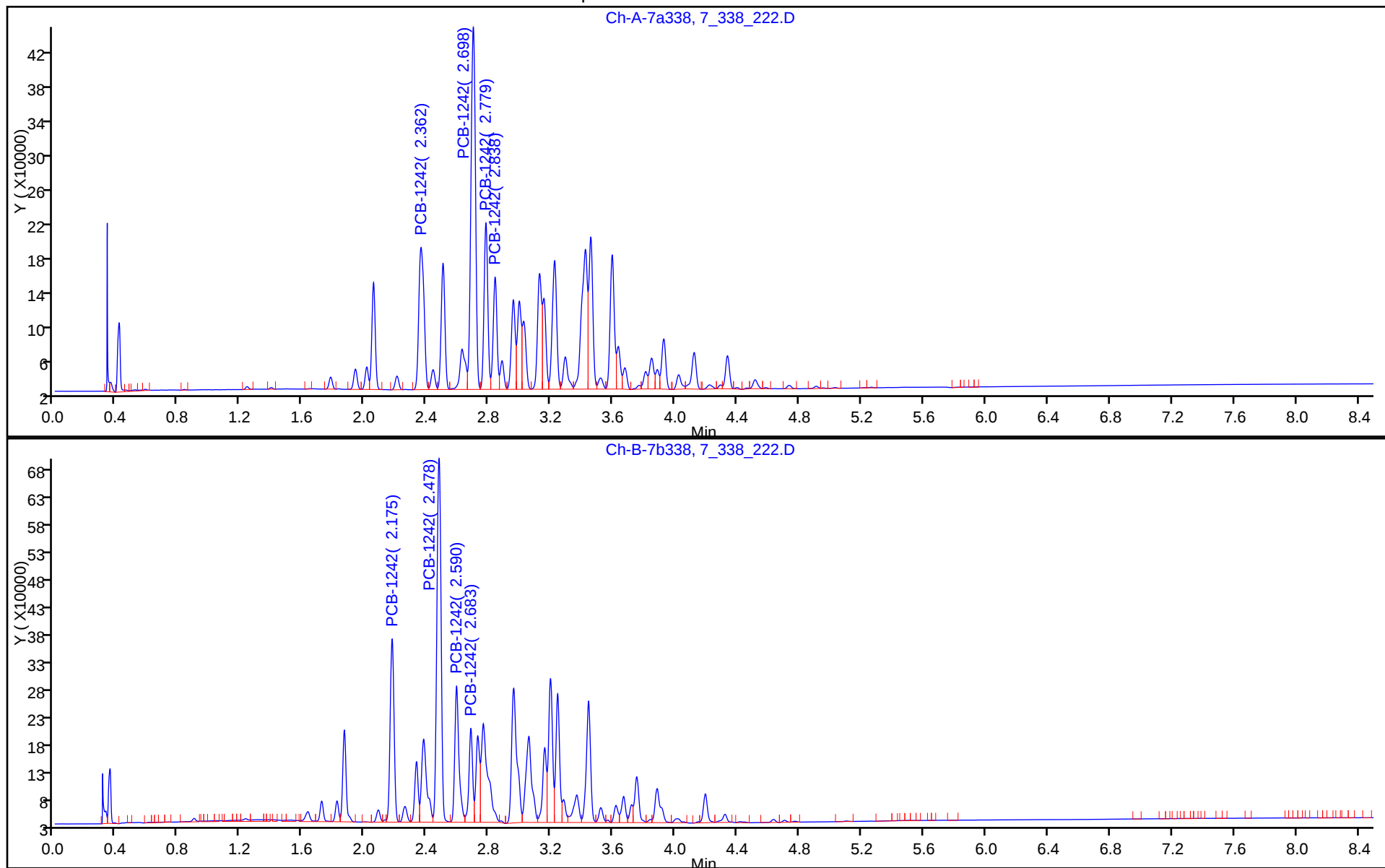
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 15:31 Calibration End Date: 07/09/2014 15:31 Calibration ID: 19309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-191849/13	7_338_222.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.175										2.145 - 2.205	2.175
PCB-1242 Peak 2	2.478										2.448 - 2.508	2.478
PCB-1242 Peak 3	2.590										2.560 - 2.620	2.590
PCB-1242 Peak 4	2.683										2.653 - 2.713	2.683

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 15:31 Calibration End Date: 07/09/2014 15:31 Calibration ID: 19309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-191849/13	7_338_222.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	1165248				Ave		1165248.00						20.0			
PCB-1242 Peak 2	2513276				Ave		2513276.00						20.0			
PCB-1242 Peak 3	933766				Ave		933766.000						20.0			
PCB-1242 Peak 4	559106				Ave		559106.000						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 15:31 Calibration End Date: 07/09/2014 15:31 Calibration ID: 19309

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-191849/13	7 338 222.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	582624					0.500				
PCB-1242 Peak 2	Ave	1256638					0.500				
PCB-1242 Peak 3	Ave	466883					0.500				
PCB-1242 Peak 4	Ave	279553					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_222.D
 Lims ID: STD42
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 15:31:38 ALS Bottle#: 0 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub4
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:43 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D

Column 1 : Det: Ch-A-7A136

Column 2 : Det: Ch-B-7b136

Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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4 PCB-1242

1	2.362	2.362	0.000	390366	0.5000	0.5000	
1	2.698	2.698	0.000	861169	0.5000	0.5000	
1	2.779	2.779	0.000	326519	0.5000	0.5000	
1	2.838	2.838	0.000	221369	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	2.175	2.175	0.000	582624	0.5000	0.5000	
2	2.478	2.478	0.000	1256638	0.5000	0.5000	
2	2.590	2.590	0.000	466883	0.5000	0.5000	
2	2.683	2.683	0.000	279553	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1242.5ng_00008

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_222.D

Injection Date: 09-Jul-2014 15:31:38

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD42

Worklist Smp#: 13

Client ID:

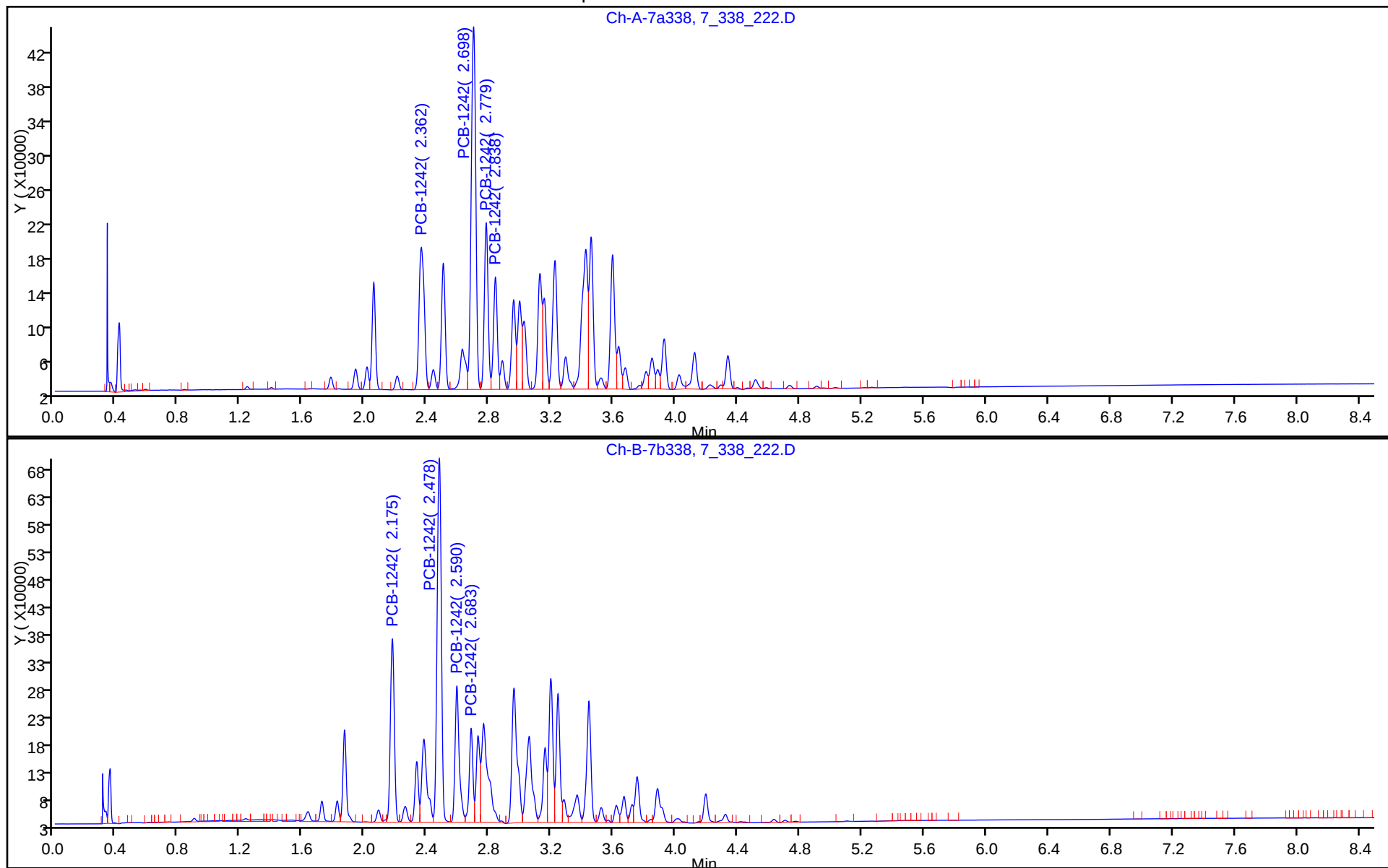
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:03 Calibration End Date: 07/09/2014 16:03 Calibration ID: 19314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-191849/15	7_338_224.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.126										3.096 - 3.156	3.126
PCB-1248 Peak 2	3.222										3.192 - 3.252	3.222
PCB-1248 Peak 3	3.423										3.393 - 3.453	3.423
PCB-1248 Peak 4	3.593										3.563 - 3.623	3.593

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:03 Calibration End Date: 07/09/2014 16:03 Calibration ID: 19314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-191849/15	7_338_224.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	1137602				Ave		1137602.00						20.0			
PCB-1248 Peak 2	926084				Ave		926084.000						20.0			
PCB-1248 Peak 3	1486640				Ave		1486640.00						20.0			
PCB-1248 Peak 4	955360				Ave		955360.000						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:03 Calibration End Date: 07/09/2014 16:03 Calibration ID: 19314

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-191849/15	7 338 224.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	568801					0.500				
PCB-1248 Peak 2	Ave	463042					0.500				
PCB-1248 Peak 3	Ave	743320					0.500				
PCB-1248 Peak 4	Ave	477680					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_224.D
 Lims ID: STD48
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 16:03:16 ALS Bottle#: 0 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub5
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:47 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D

Column 1 : Det: Ch-A-7A136

Column 2 : Det: Ch-B-7b136

Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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7 PCB-1248

1	3.126	3.126	0.000	568801	0.5000	0.5000	
1	3.222	3.222	0.000	463042	0.5000	0.5000	
1	3.423	3.423	0.000	743320	0.5000	0.5000	
1	3.593	3.593	0.000	477680	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	2.957	2.957	0.000	820937	0.5000	0.5000	
2	3.055	3.055	0.000	618455	0.5000	0.5000	
2	3.197	3.197	0.000	839686	0.5000	0.5000	
2	3.243	3.243	0.000	638444	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1248.5ng_00003

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_224.D

Injection Date: 09-Jul-2014 16:03:16

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD48

Worklist Smp#: 15

Client ID:

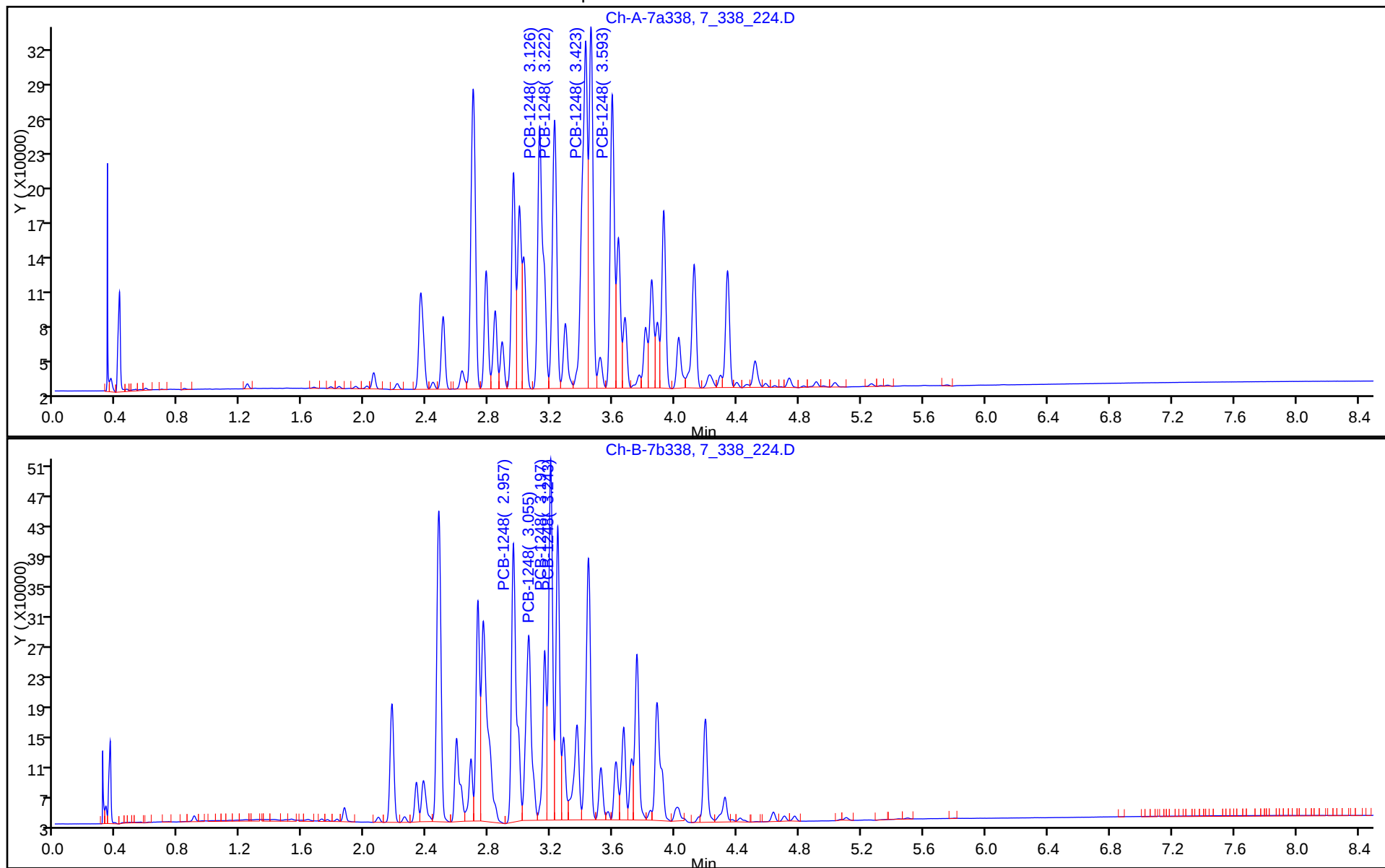
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:03 Calibration End Date: 07/09/2014 16:03 Calibration ID: 19315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-191849/15	7_338_224.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.957										2.927 - 2.987	2.957
PCB-1248 Peak 2	3.055										3.025 - 3.085	3.055
PCB-1248 Peak 3	3.197										3.167 - 3.227	3.197
PCB-1248 Peak 4	3.243										3.213 - 3.273	3.243

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:03 Calibration End Date: 07/09/2014 16:03 Calibration ID: 19315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-191849/15	7_338_224.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	1641874				Ave		1641874.00						20.0			
PCB-1248 Peak 2	1236910				Ave		1236910.00						20.0			
PCB-1248 Peak 3	1679372				Ave		1679372.00						20.0			
PCB-1248 Peak 4	1276888				Ave		1276888.00						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:03 Calibration End Date: 07/09/2014 16:03 Calibration ID: 19315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-191849/15	7 338 224.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	820937					0.500				
PCB-1248 Peak 2	Ave	618455					0.500				
PCB-1248 Peak 3	Ave	839686					0.500				
PCB-1248 Peak 4	Ave	638444					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_224.D
 Lims ID: STD48
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 16:03:16 ALS Bottle#: 0 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub5
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:47 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D

Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136

Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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7 PCB-1248

1	3.126	3.126	0.000	568801	0.5000	0.5000	
1	3.222	3.222	0.000	463042	0.5000	0.5000	
1	3.423	3.423	0.000	743320	0.5000	0.5000	
1	3.593	3.593	0.000	477680	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	2.957	2.957	0.000	820937	0.5000	0.5000	
2	3.055	3.055	0.000	618455	0.5000	0.5000	
2	3.197	3.197	0.000	839686	0.5000	0.5000	
2	3.243	3.243	0.000	638444	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1248.5ng_00003

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_224.D

Injection Date: 09-Jul-2014 16:03:16

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD48

Worklist Smp#: 15

Client ID:

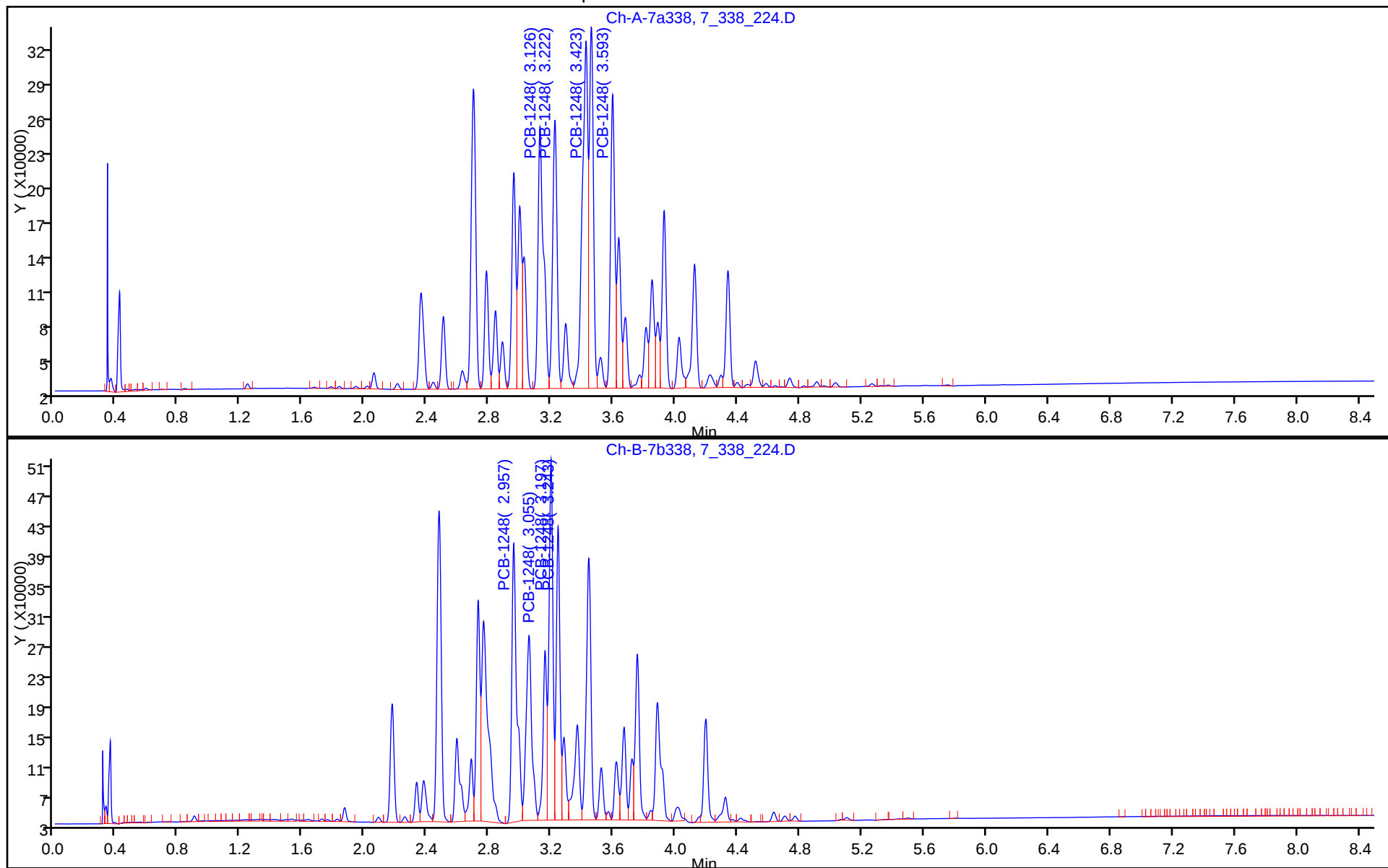
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:35 Calibration End Date: 07/09/2014 16:35 Calibration ID: 19320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-191849/17	7_338_226.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.848										3.818 - 3.878	3.848
PCB-1254 Peak 2	3.926										3.896 - 3.956	3.926
PCB-1254 Peak 3	4.023										3.993 - 4.053	4.023
PCB-1254 Peak 4	4.121										4.091 - 4.151	4.121

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:35 Calibration End Date: 07/09/2014 16:35 Calibration ID: 19320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-191849/17	7_338_226.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	939902				Ave		939902.000						20.0			
PCB-1254 Peak 2	1708010				Ave		1708010.00						20.0			
PCB-1254 Peak 3	324282				Ave		324282.000						20.0			
PCB-1254 Peak 4	1734736				Ave		1734736.00						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-5 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:35 Calibration End Date: 07/09/2014 16:35 Calibration ID: 19320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-191849/17	7 338 226.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	469951					0.500				
PCB-1254 Peak 2	Ave	854005					0.500				
PCB-1254 Peak 3	Ave	162141					0.500				
PCB-1254 Peak 4	Ave	867368					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_226.D
 Lims ID: STD54
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 16:35:07 ALS Bottle#: 0 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub6
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:52 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D

Column 1 : Det: Ch-A-7A136

Column 2 : Det: Ch-B-7b136

Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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8 PCB-1254

1	3.848	3.848	0.000	469951	0.5000	0.5000	
1	3.926	3.926	0.000	854005	0.5000	0.5000	
1	4.023	4.023	0.000	162141	0.5000	0.5000	
1	4.121	4.121	0.000	867368	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	3.668	3.668	0.000	612964	0.5000	0.5000	
2	3.754	3.754	0.000	1496811	0.5000	0.5000	
2	3.886	3.886	0.000	1357398	0.5000	0.5000	
2	4.004	4.004	0.000	505734	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1254 STD_00010

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_226.D

Injection Date: 09-Jul-2014 16:35:07

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD54

Worklist Smp#: 17

Client ID:

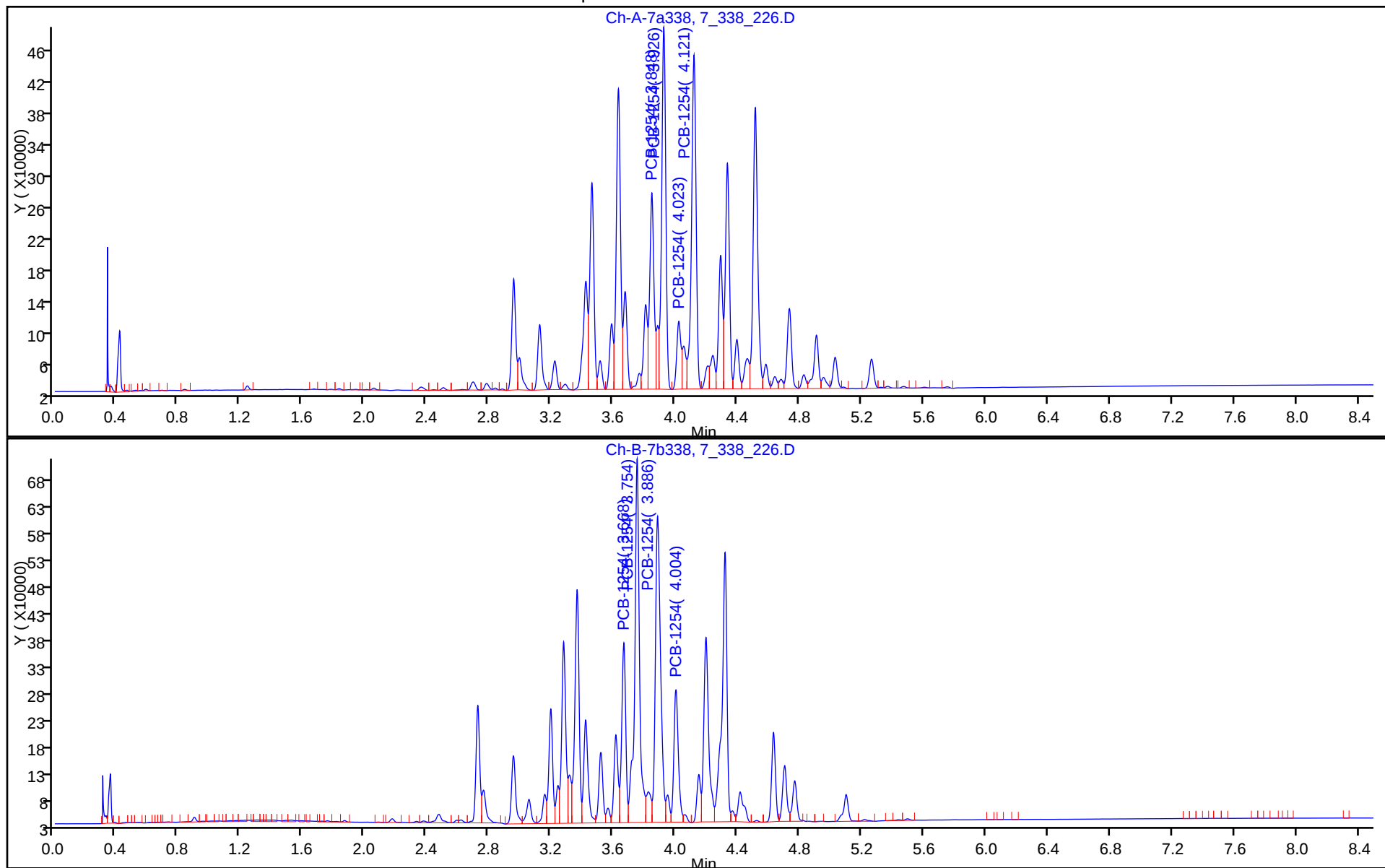
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:35 Calibration End Date: 07/09/2014 16:35 Calibration ID: 19321

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-191849/17	7_338_226.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.668										3.638 - 3.698	3.668
PCB-1254 Peak 2	3.754										3.724 - 3.784	3.754
PCB-1254 Peak 3	3.886										3.856 - 3.916	3.886
PCB-1254 Peak 4	4.004										3.974 - 4.034	4.004

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:35 Calibration End Date: 07/09/2014 16:35 Calibration ID: 19321

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-191849/17	7_338_226.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	1225928				Ave		1225928.00						20.0			
PCB-1254 Peak 2	2993622				Ave		2993622.00						20.0			
PCB-1254 Peak 3	2714796				Ave		2714796.00						20.0			
PCB-1254 Peak 4	1011468				Ave		1011468.00						20.0			

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 Buffalo Job No.: 480-66056-1 Analy Batch No.: 191849

SDG No.: _____

Instrument ID: HP6890-7 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/09/2014 16:35 Calibration End Date: 07/09/2014 16:35 Calibration ID: 19321

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-191849/17	7 338 226.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	612964					0.500				
PCB-1254 Peak 2	Ave	1496811					0.500				
PCB-1254 Peak 3	Ave	1357398					0.500				
PCB-1254 Peak 4	Ave	505734					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_226.D
 Lims ID: STD54
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 09-Jul-2014 16:35:07 ALS Bottle#: 0 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub6
 Method: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 10-Jul-2014 07:29:52 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D

Column 1 : Det: Ch-A-7A136

Column 2 : Det: Ch-B-7b136

Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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8 PCB-1254

1	3.848	3.848	0.000	469951	0.5000	0.5000	
1	3.926	3.926	0.000	854005	0.5000	0.5000	
1	4.023	4.023	0.000	162141	0.5000	0.5000	
1	4.121	4.121	0.000	867368	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	3.668	3.668	0.000	612964	0.5000	0.5000	
2	3.754	3.754	0.000	1496811	0.5000	0.5000	
2	3.886	3.886	0.000	1357398	0.5000	0.5000	
2	4.004	4.004	0.000	505734	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1254 STD_00010

Amount Added: 1.00

Units: mL

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_226.D

Injection Date: 09-Jul-2014 16:35:07

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: STD54

Worklist Smp#: 17

Client ID:

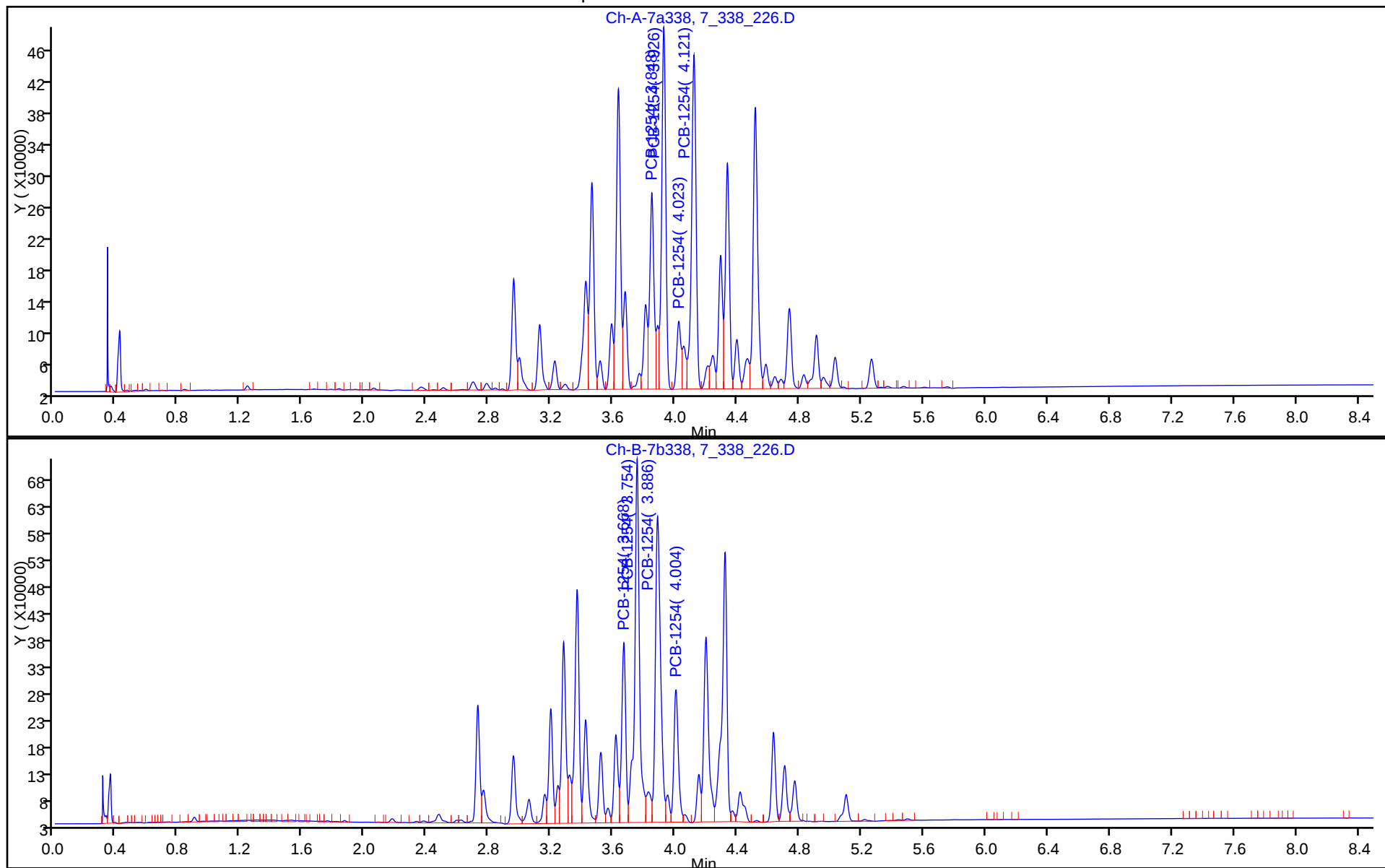
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/24 Calibration Date: 08/24/2014 16:10
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1977944	2077792		0.525	0.500	5.0	20.0
PCB-1016 Peak 2	Ave	760897	779200		0.512	0.500	2.4	20.0
PCB-1016 Peak 3	Ave	510336	527468		0.517	0.500	3.4	20.0
PCB-1016 Peak 4	Ave	463097	453370		0.489	0.500	-2.1	20.0
PCB-1260 Peak 1	Ave	821413	1000376		0.609	0.500	21.8*	20.0
PCB-1260 Peak 2	Ave	792715	815620		0.514	0.500	2.9	20.0
PCB-1260 Peak 3	Ave	1960415	2231266		0.569	0.500	13.8	20.0
PCB-1260 Peak 4	Ave	1048668	1007876		0.481	0.500	-3.9	20.0
Tetrachloro-m-xylene	Ave	28568640	27642767		0.0290	0.0300	-3.2	20.0
DCB Decachlorobiphenyl	Ave	19814254	17559433		0.0266	0.0300	-11.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/24 Calibration Date: 08/24/2014 16:10
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_024.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.76	2.73	2.79
PCB-1016 Peak 3	2.82	2.79	2.85
PCB-1016 Peak 4	2.93	2.90	2.96
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.80	4.77	4.83
PCB-1260 Peak 3	5.00	4.97	5.03
PCB-1260 Peak 4	5.23	5.20	5.26
Tetrachloro-m-xylene	1.79	1.76	1.82
DCB Decachlorobiphenyl	6.39	6.33	6.45

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_024.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 24-Aug-2014 16:10:08 ALS Bottle#: 0 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 10:18:56 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 10:18:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	829283	0.0300	0.0290	
2	1.477	1.477	0.000	1080960	0.0300	0.0261	
RPD = 10.55							

6 PCB-1016

1	2.677	2.677	0.000	1038896	0.5000	0.5252	
1	2.758	2.758	0.000	389600	0.5000	0.5120	
1	2.816	2.816	0.000	263734	0.5000	0.5168	
1	2.933	2.933	0.000	226685	0.5000	0.4895	
Average of Peak Amounts =							0.5109
2	2.163	2.163	0.000	659736	0.5000	0.4871	
2	2.464	2.464	0.000	1431867	0.5000	0.5049	
2	2.576	2.576	0.000	531009	0.5000	0.4934	
2	2.668	2.668	0.000	310071	0.5000	0.5112	
Average of Peak Amounts =							0.4991
RPD = 2.33							

9 PCB-1260

1	4.611	4.611	0.000	500188	0.5000	0.6089	
1	4.795	4.795	0.000	407810	0.5000	0.5144	
1	4.998	4.998	0.000	1115633	0.5000	0.5691	
1	5.232	5.232	0.000	503938	0.5000	0.4806	
Average of Peak Amounts =							0.5433
2	4.608	4.608	0.000	666200	0.5000	0.4716	
2	4.677	4.677	0.000	535434	0.5000	0.4793	
2	4.747	4.747	0.000	1639704	0.5000	0.5104	
2	5.079	5.079	0.000	909624	0.5000	0.4741	
Average of Peak Amounts =							0.4838
RPD = 11.57							

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_024.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.388	6.388	0.000	526783	0.0300	0.0266	
2	6.064	6.064	0.000	663282	0.0300	0.0231	

RPD = 14.06

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_024.D

Injection Date: 24-Aug-2014 16:10:08

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 24

Client ID:

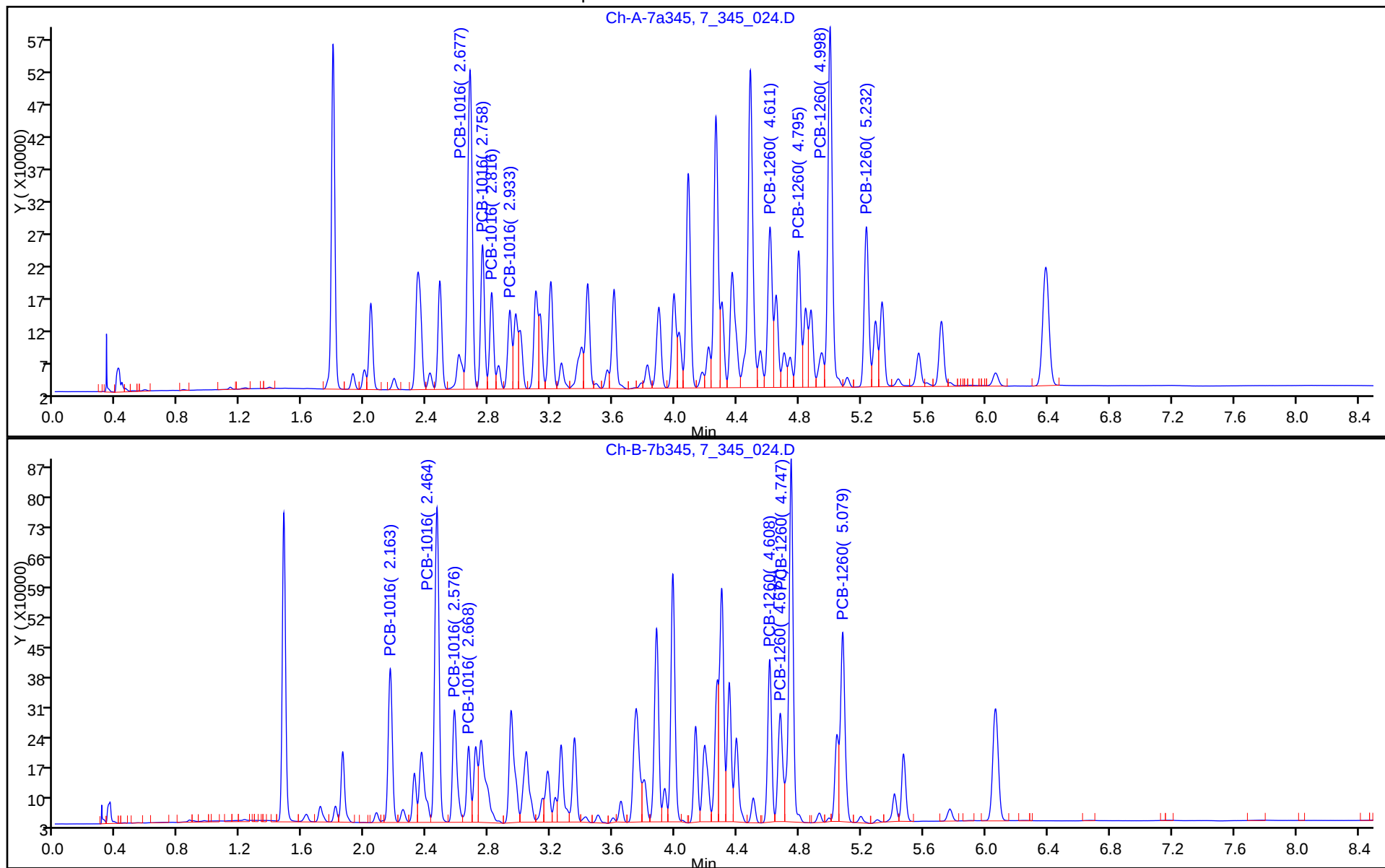
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/24 Calibration Date: 08/24/2014 16:10
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_024.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1354363	1319472		0.487	0.500	-2.6	20.0
PCB-1016 Peak 2	Ave	2836183	2863734		0.505	0.500	1.0	20.0
PCB-1016 Peak 3	Ave	1076189	1062018		0.493	0.500	-1.3	20.0
PCB-1016 Peak 4	Ave	606614	620142		0.511	0.500	2.2	20.0
PCB-1260 Peak 1	Ave	1412623	1332400		0.472	0.500	-5.7	20.0
PCB-1260 Peak 2	Ave	1117145	1070868		0.479	0.500	-4.1	20.0
PCB-1260 Peak 3	Ave	3212387	3279408		0.510	0.500	2.1	20.0
PCB-1260 Peak 4	Ave	1918773	1819248		0.474	0.500	-5.2	20.0
Tetrachloro-m-xylene	Ave	41387266	36032000		0.0261	0.0300	-12.9	20.0
DCB Decachlorobiphenyl	Ave	28722137	22109400		0.0231	0.0300	-23.0*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/24 Calibration Date: 08/24/2014 16:10
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_024.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.16	2.13	2.19
PCB-1016 Peak 2	2.46	2.43	2.49
PCB-1016 Peak 3	2.58	2.55	2.61
PCB-1016 Peak 4	2.67	2.64	2.70
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.68	4.65	4.71
PCB-1260 Peak 3	4.75	4.72	4.78
PCB-1260 Peak 4	5.08	5.05	5.11
Tetrachloro-m-xylene	1.48	1.45	1.51
DCB Decachlorobiphenyl	6.06	6.00	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_024.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 24-Aug-2014 16:10:08 ALS Bottle#: 0 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 10:18:56 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:18:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	829283	0.0300	0.0290	
2	1.477	1.477	0.000	1080960	0.0300	0.0261	
RPD = 10.55							

6 PCB-1016

1	2.677	2.677	0.000	1038896	0.5000	0.5252	
1	2.758	2.758	0.000	389600	0.5000	0.5120	
1	2.816	2.816	0.000	263734	0.5000	0.5168	
1	2.933	2.933	0.000	226685	0.5000	0.4895	
Average of Peak Amounts =							0.5109
2	2.163	2.163	0.000	659736	0.5000	0.4871	
2	2.464	2.464	0.000	1431867	0.5000	0.5049	
2	2.576	2.576	0.000	531009	0.5000	0.4934	
2	2.668	2.668	0.000	310071	0.5000	0.5112	
Average of Peak Amounts =							0.4991
RPD = 2.33							

9 PCB-1260

1	4.611	4.611	0.000	500188	0.5000	0.6089	
1	4.795	4.795	0.000	407810	0.5000	0.5144	
1	4.998	4.998	0.000	1115633	0.5000	0.5691	
1	5.232	5.232	0.000	503938	0.5000	0.4806	
Average of Peak Amounts =							0.5433
2	4.608	4.608	0.000	666200	0.5000	0.4716	
2	4.677	4.677	0.000	535434	0.5000	0.4793	
2	4.747	4.747	0.000	1639704	0.5000	0.5104	
2	5.079	5.079	0.000	909624	0.5000	0.4741	
Average of Peak Amounts =							0.4838
RPD = 11.57							

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_024.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.388	6.388	0.000	526783	0.0300	0.0266	
2	6.064	6.064	0.000	663282	0.0300	0.0231	

RPD = 14.06

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_024.D

Injection Date: 24-Aug-2014 16:10:08

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 24

Client ID:

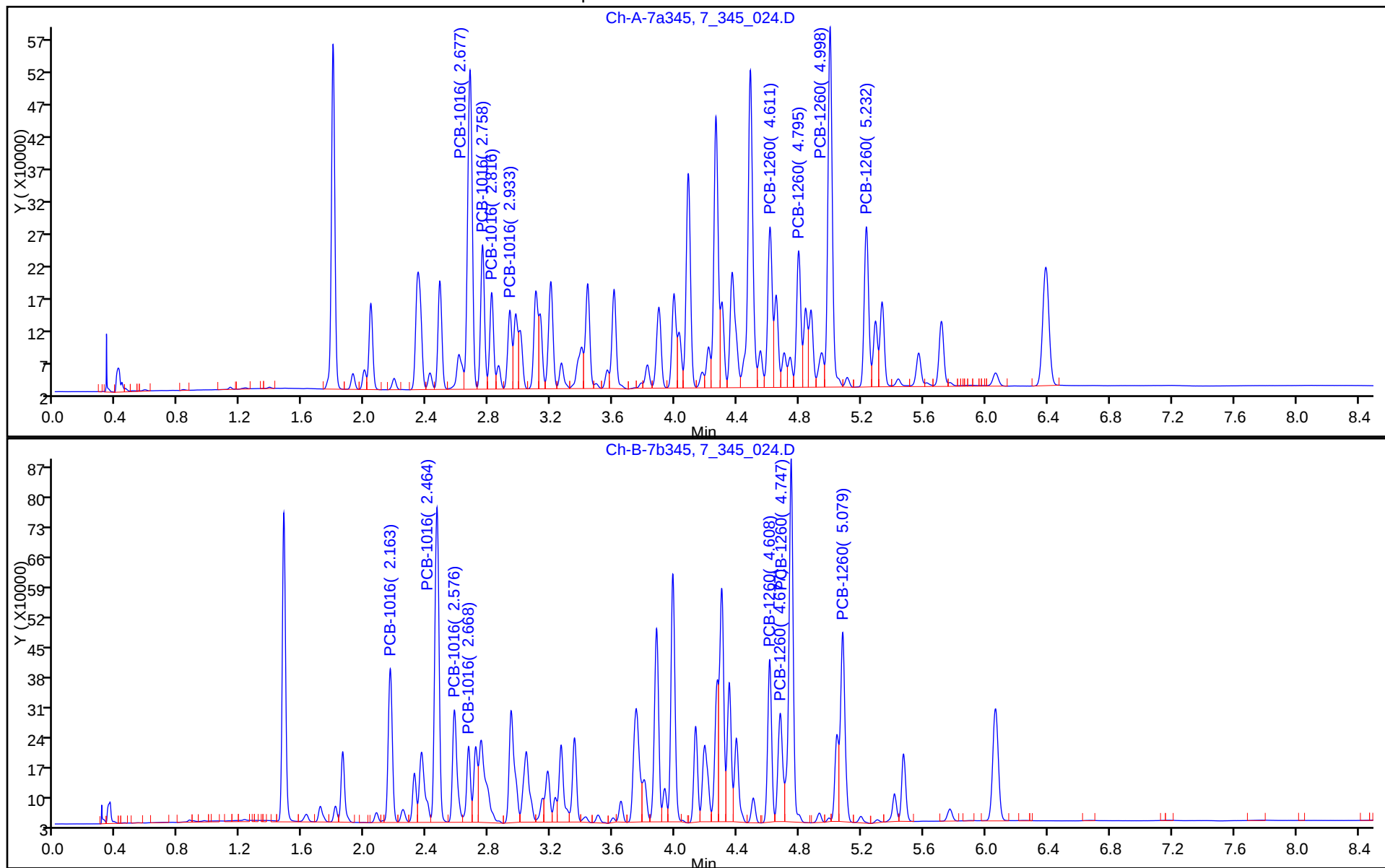
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/40 Calibration Date: 08/24/2014 20:24
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1977944	2127710		0.538	0.500	7.6	20.0
PCB-1016 Peak 2	Ave	760897	803702		0.528	0.500	5.6	20.0
PCB-1016 Peak 3	Ave	510336	548478		0.537	0.500	7.5	20.0
PCB-1016 Peak 4	Ave	463097	479008		0.517	0.500	3.4	20.0
PCB-1260 Peak 1	Ave	821413	762562		0.464	0.500	-7.2	20.0
PCB-1260 Peak 2	Ave	792715	631742		0.398	0.500	-20.3*	20.0
PCB-1260 Peak 3	Ave	1960415	1867344		0.476	0.500	-4.7	20.0
PCB-1260 Peak 4	Ave	1048668	846314		0.404	0.500	-19.3	20.0
Tetrachloro-m-xylene	Ave	28568640	28609800		0.0300	0.0300	0.1	20.0
DCB Decachlorobiphenyl	Ave	19814254	15281633		0.0231	0.0300	-22.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/40 Calibration Date: 08/24/2014 20:24
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.76	2.73	2.79
PCB-1016 Peak 3	2.82	2.79	2.85
PCB-1016 Peak 4	2.93	2.90	2.96
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.80	4.77	4.83
PCB-1260 Peak 3	5.00	4.97	5.03
PCB-1260 Peak 4	5.23	5.20	5.26
Tetrachloro-m-xylene	1.79	1.76	1.82
DCB Decachlorobiphenyl	6.39	6.33	6.45

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_040.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 24-Aug-2014 20:24:11 ALS Bottle#: 0 Worklist Smp#: 40
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 10:20:14 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:20:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.793	1.793	0.000	858294	0.0300	0.0300	
2	1.476	1.476	0.000	1139883	0.0300	0.0275	
						RPD = 8.69	

6 PCB-1016

1	2.677	2.677	0.000	1063855	0.5000	0.5379	
1	2.757	2.757	0.000	401851	0.5000	0.5281	
1	2.816	2.816	0.000	274239	0.5000	0.5374	
1	2.933	2.933	0.000	239504	0.5000	0.5172	
Average of Peak Amounts =						0.5301	
2	2.162	2.162	0.000	685123	0.5000	0.5059	
2	2.463	2.463	0.000	1484099	0.5000	0.5233	
2	2.576	2.576	0.000	551359	0.5000	0.5123	
2	2.668	2.668	0.000	334399	0.5000	0.5513	
Average of Peak Amounts =						0.5232	
						RPD = 1.32	

9 PCB-1260

1	4.611	4.611	0.000	381281	0.5000	0.4642	
1	4.796	4.796	0.000	315871	0.5000	0.3985	
1	4.998	4.998	0.000	933672	0.5000	0.4763	
1	5.231	5.231	0.000	423157	0.5000	0.4035	
Average of Peak Amounts =						0.4356	
2	4.607	4.607	0.000	511296	0.5000	0.3619	
2	4.676	4.676	0.000	411271	0.5000	0.3681	
2	4.748	4.748	0.000	1297486	0.5000	0.4039	
2	5.078	5.078	0.000	747206	0.5000	0.3894	
Average of Peak Amounts =						0.3809	
						RPD = 13.41	

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_040.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.388	6.388	0.000	458449	0.0300	0.0231	
2	6.064	6.064	0.000	605460	0.0300	0.0211	

RPD = 9.31

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_040.D

Injection Date: 24-Aug-2014 20:24:11

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 40

Client ID:

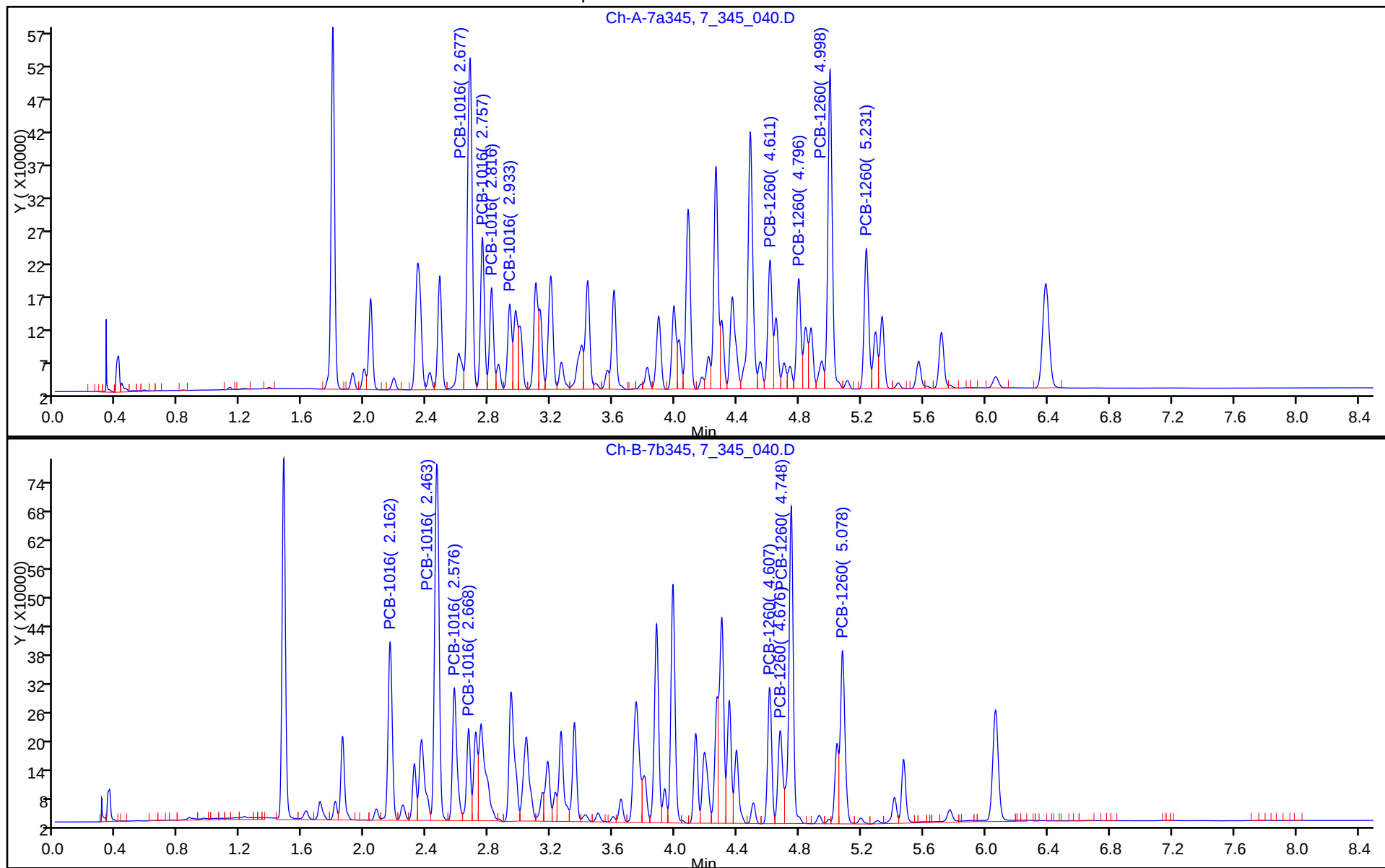
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/40 Calibration Date: 08/24/2014 20:24
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1354363	1370246		0.506	0.500	1.2	20.0
PCB-1016 Peak 2	Ave	2836183	2968198		0.523	0.500	4.7	20.0
PCB-1016 Peak 3	Ave	1076189	1102718		0.512	0.500	2.5	20.0
PCB-1016 Peak 4	Ave	606614	668798		0.551	0.500	10.3	20.0
PCB-1260 Peak 1	Ave	1412623	1022592		0.362	0.500	-27.6*	20.0
PCB-1260 Peak 2	Ave	1117145	822542		0.368	0.500	-26.4*	20.0
PCB-1260 Peak 3	Ave	3212387	2594972		0.404	0.500	-19.2	20.0
PCB-1260 Peak 4	Ave	1918773	1494412		0.389	0.500	-22.1*	20.0
Tetrachloro-m-xylene	Ave	41387266	37996100		0.0275	0.0300	-8.2	20.0
DCB Decachlorobiphenyl	Ave	28722137	20182000		0.0211	0.0300	-29.7*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/40 Calibration Date: 08/24/2014 20:24
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.16	2.13	2.19
PCB-1016 Peak 2	2.46	2.43	2.49
PCB-1016 Peak 3	2.58	2.55	2.61
PCB-1016 Peak 4	2.67	2.64	2.70
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.68	4.65	4.71
PCB-1260 Peak 3	4.75	4.72	4.78
PCB-1260 Peak 4	5.08	5.05	5.11
Tetrachloro-m-xylene	1.48	1.45	1.51
DCB Decachlorobiphenyl	6.06	6.00	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_040.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 24-Aug-2014 20:24:11 ALS Bottle#: 0 Worklist Smp#: 40
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 10:20:14 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:20:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.793	1.793	0.000	858294	0.0300	0.0300	
2	1.476	1.476	0.000	1139883	0.0300	0.0275	
						RPD = 8.69	

6 PCB-1016

1	2.677	2.677	0.000	1063855	0.5000	0.5379	
1	2.757	2.757	0.000	401851	0.5000	0.5281	
1	2.816	2.816	0.000	274239	0.5000	0.5374	
1	2.933	2.933	0.000	239504	0.5000	0.5172	
Average of Peak Amounts =						0.5301	
2	2.162	2.162	0.000	685123	0.5000	0.5059	
2	2.463	2.463	0.000	1484099	0.5000	0.5233	
2	2.576	2.576	0.000	551359	0.5000	0.5123	
2	2.668	2.668	0.000	334399	0.5000	0.5513	
Average of Peak Amounts =						0.5232	
						RPD = 1.32	

9 PCB-1260

1	4.611	4.611	0.000	381281	0.5000	0.4642	
1	4.796	4.796	0.000	315871	0.5000	0.3985	
1	4.998	4.998	0.000	933672	0.5000	0.4763	
1	5.231	5.231	0.000	423157	0.5000	0.4035	
Average of Peak Amounts =						0.4356	
2	4.607	4.607	0.000	511296	0.5000	0.3619	
2	4.676	4.676	0.000	411271	0.5000	0.3681	
2	4.748	4.748	0.000	1297486	0.5000	0.4039	
2	5.078	5.078	0.000	747206	0.5000	0.3894	
Average of Peak Amounts =						0.3809	
						RPD = 13.41	

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_040.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.388	0.000	458449	0.0300	0.0231	
2	6.064	6.064	0.000	605460	0.0300	0.0211	

RPD = 9.31

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_040.D

Injection Date: 24-Aug-2014 20:24:11

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 40

Client ID:

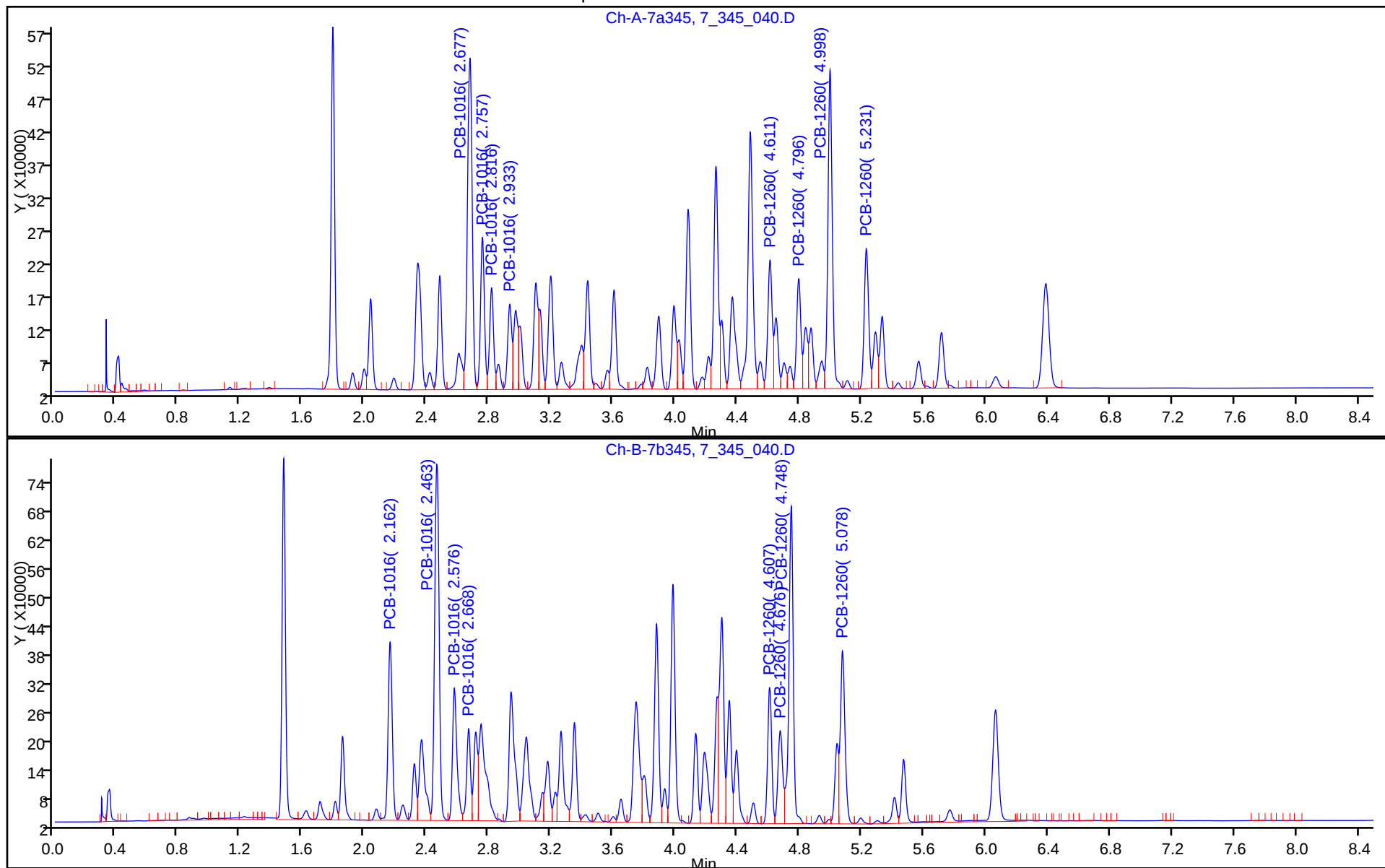
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/44 Calibration Date: 08/24/2014 21:27
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_044.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1977944	2169178		0.548	0.500	9.7	20.0
PCB-1016 Peak 2	Ave	760897	820146		0.539	0.500	7.8	20.0
PCB-1016 Peak 3	Ave	510336	558110		0.547	0.500	9.4	20.0
PCB-1016 Peak 4	Ave	463097	467876		0.505	0.500	1.0	20.0
PCB-1260 Peak 1	Ave	821413	866062		0.527	0.500	5.4	20.0
PCB-1260 Peak 2	Ave	792715	720146		0.454	0.500	-9.2	20.0
PCB-1260 Peak 3	Ave	1960415	2062976		0.526	0.500	5.2	20.0
PCB-1260 Peak 4	Ave	1048668	936458		0.446	0.500	-10.7	20.0
Tetrachloro-m-xylene	Ave	28568640	28562567		0.0300	0.0300	-0.0	20.0
DCB Decachlorobiphenyl	Ave	19814254	16344100		0.0247	0.0300	-17.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/44 Calibration Date: 08/24/2014 21:27
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_044.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.76	2.73	2.79
PCB-1016 Peak 3	2.82	2.79	2.85
PCB-1016 Peak 4	2.93	2.90	2.96
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.80	4.77	4.83
PCB-1260 Peak 3	5.00	4.97	5.03
PCB-1260 Peak 4	5.23	5.20	5.26
Tetrachloro-m-xylene	1.79	1.76	1.82
DCB Decachlorobiphenyl	6.39	6.33	6.45

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 24-Aug-2014 21:27:42 ALS Bottle#: 0 Worklist Smp#: 44
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 10:20:51 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 10:20:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene M

1	1.794	1.794	0.000	856877	0.0300	0.0300	M
2	1.477	1.477	0.000	1101549	0.0300	0.0266	

RPD = 11.93

6 PCB-1016 M

1	2.676	2.676	0.000	1084589	0.5000	0.5483	M
1	2.757	2.757	0.000	410073	0.5000	0.5389	M
1	2.816	2.816	0.000	279055	0.5000	0.5468	M
1	2.933	2.933	0.000	233938	0.5000	0.5052	M

Average of Peak Amounts = 0.5348

2	2.162	2.162	0.000	690625	0.5000	0.5099	
2	2.463	2.463	0.000	1509103	0.5000	0.5321	
2	2.575	2.575	0.000	560593	0.5000	0.5209	
2	2.667	2.667	0.000	321060	0.5000	0.5293	

Average of Peak Amounts = 0.5230

RPD = 2.22

9 PCB-1260 M

1	4.610	4.610	0.000	433031	0.5000	0.5272	M
1	4.796	4.796	0.000	360073	0.5000	0.4542	M
1	4.997	4.997	0.000	1031488	0.5000	0.5262	M
1	5.232	5.232	0.000	468229	0.5000	0.4465	M

Average of Peak Amounts = 0.4885

2	4.607	4.607	0.000	572116	0.5000	0.4050	
2	4.675	4.675	0.000	459569	0.5000	0.4114	
2	4.746	4.746	0.000	1434720	0.5000	0.4466	
2	5.077	5.077	0.000	821361	0.5000	0.4281	

Average of Peak Amounts = 0.4228

RPD = 14.43

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.388	6.388	0.000	490323	0.0300	0.0247	
2	6.063	6.063	0.000	620498	0.0300	0.0216	

RPD = 13.56

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D

Injection Date: 24-Aug-2014 21:27:42

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 44

Client ID:

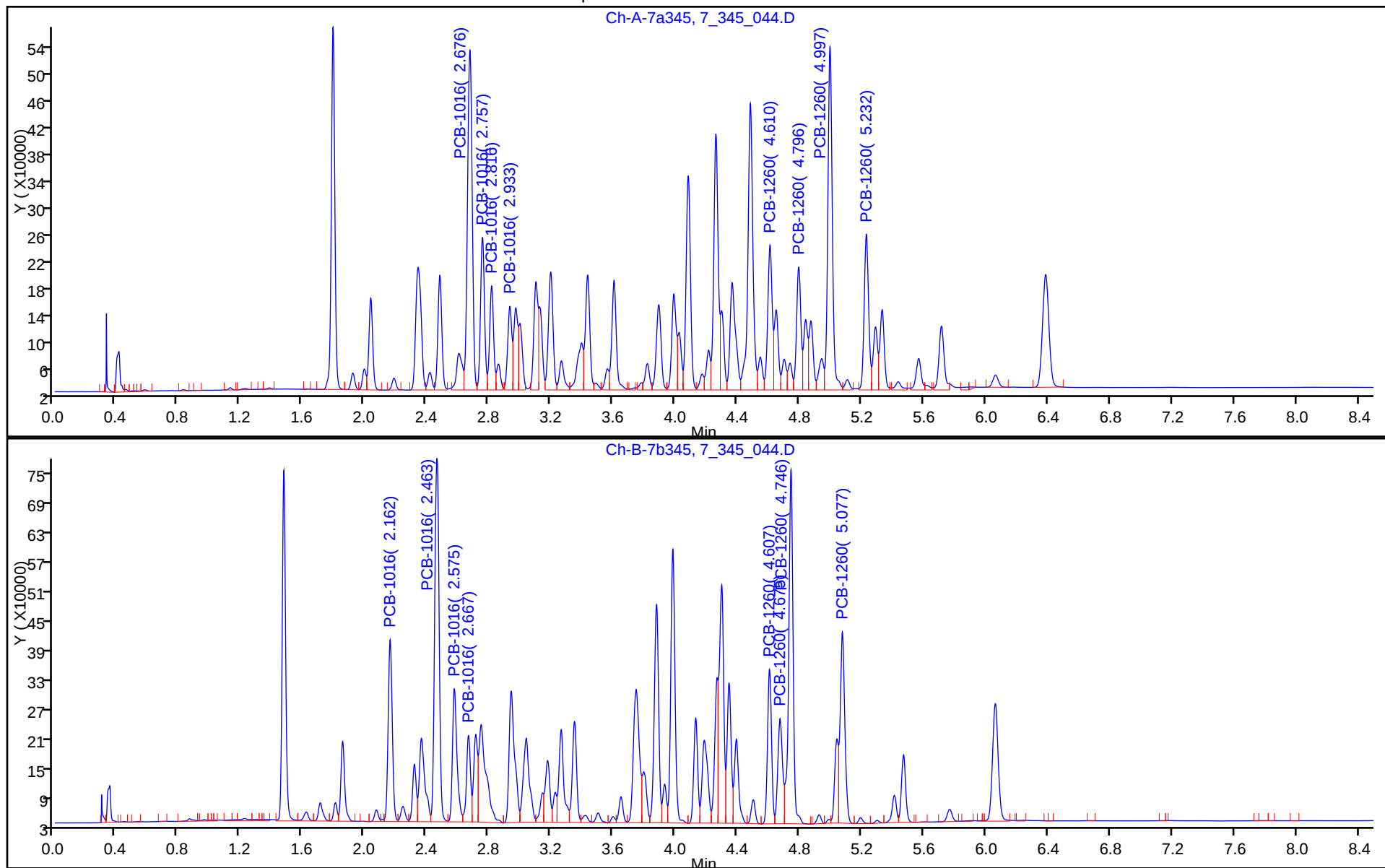
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



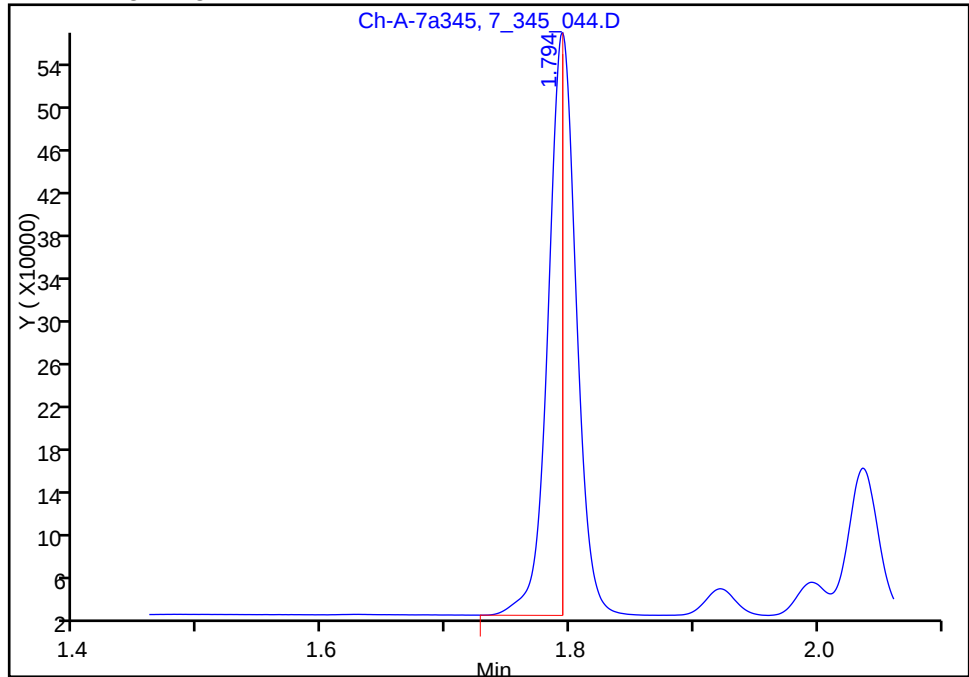
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D		
Injection Date:	24-Aug-2014 21:27:42	Instrument ID:	HP6890-7
Lims ID:	CCV		
Client ID:			
Operator ID:	buftchrom	ALS Bottle#:	0 Worklist Smp#: 44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	HP7-PCBS	Limit Group:	GC - 8082A PCB ICAL
Column:		Detector	Ch-A-7A136

\$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

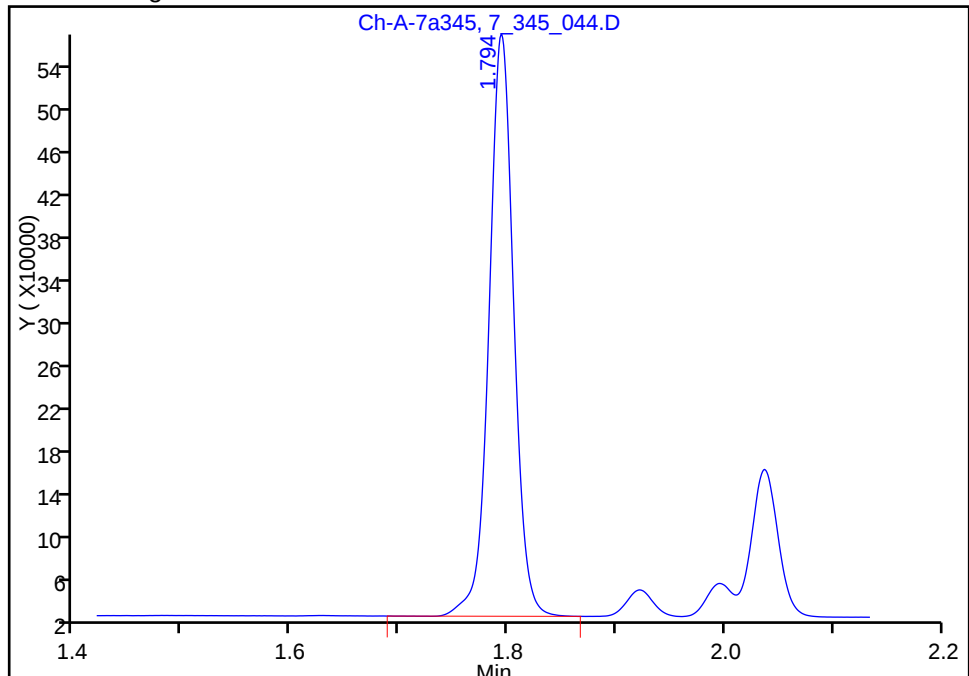
RT: 1.79
Response: 437868
Amount: 0.015327

Processing Integration Results



RT: 1.79
Response: 856877
Amount: 0.029994

Manual Integration Results



Reviewer: eversd, 25-Aug-2014 06:04:58
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D

Injection Date: 24-Aug-2014 21:27:42

Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 44

Injection Vol: 1.0 ul

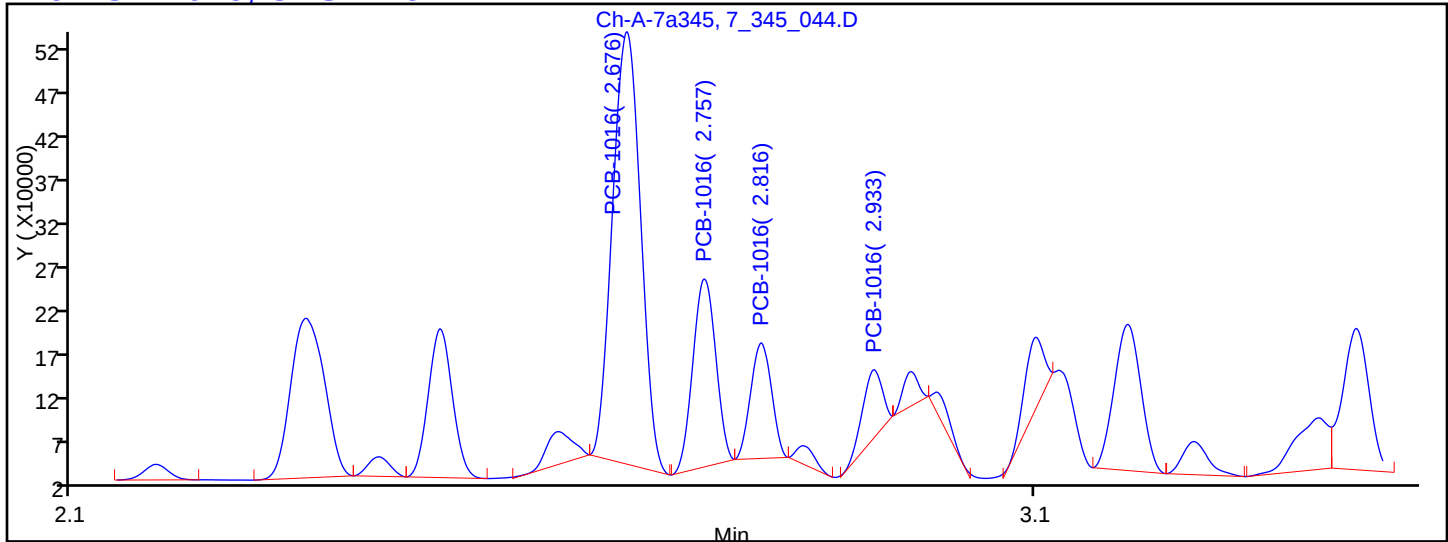
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

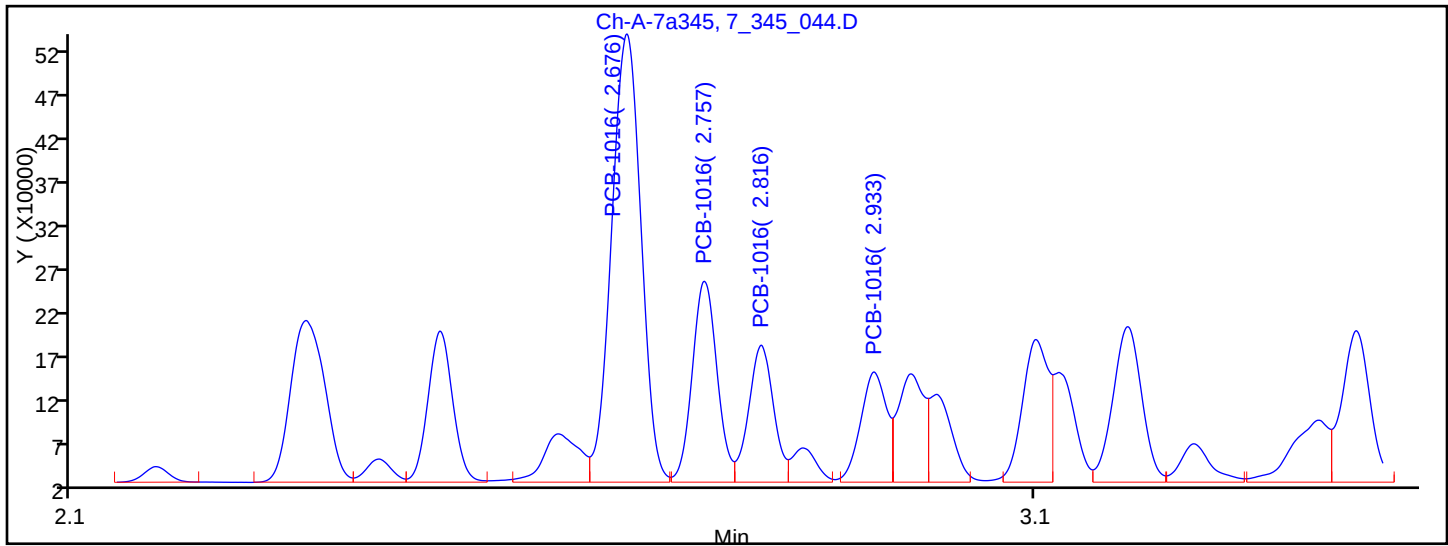
Column:

Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.676	Response = 999534	M
RT = 2.757	Response = 353432	M
RT = 2.816	Response = 197520	M
RT = 2.933	Response = 111634	M



Manual Integration Results

RT = 2.676	Response = 1084589	M
RT = 2.757	Response = 410073	M
RT = 2.816	Response = 279055	M
RT = 2.933	Response = 233938	M

Reviewer: eversd, 25-Aug-2014 06:04:58

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D

Injection Date: 24-Aug-2014 21:27:42

Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 44

Injection Vol: 1.0 ul

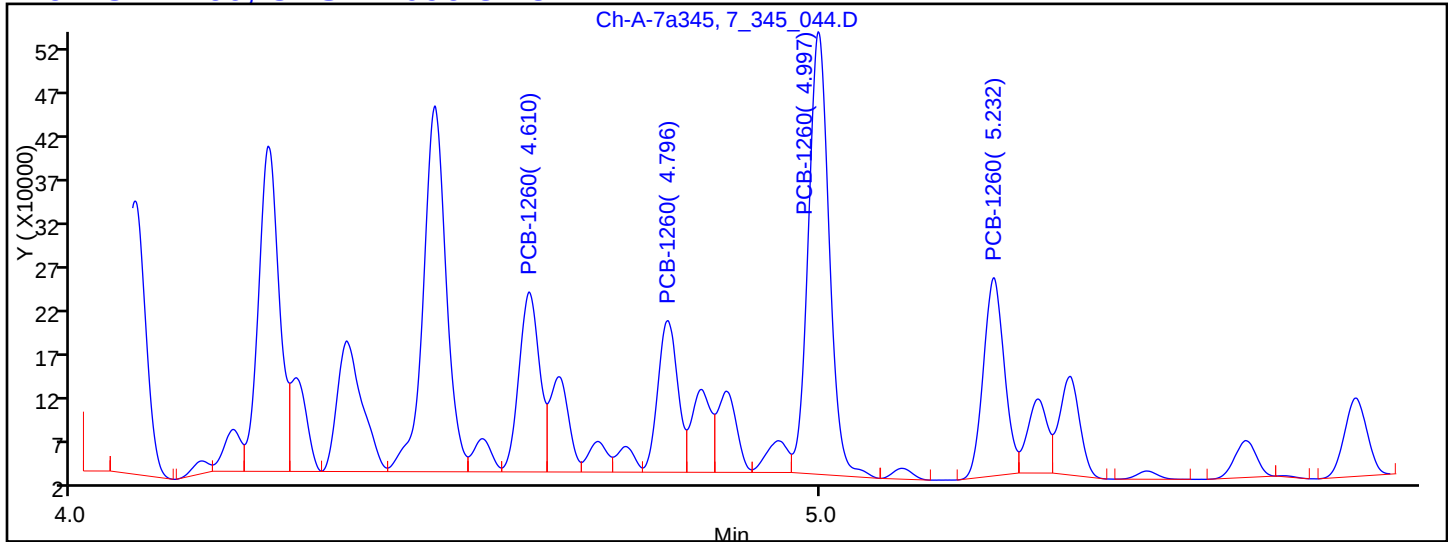
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

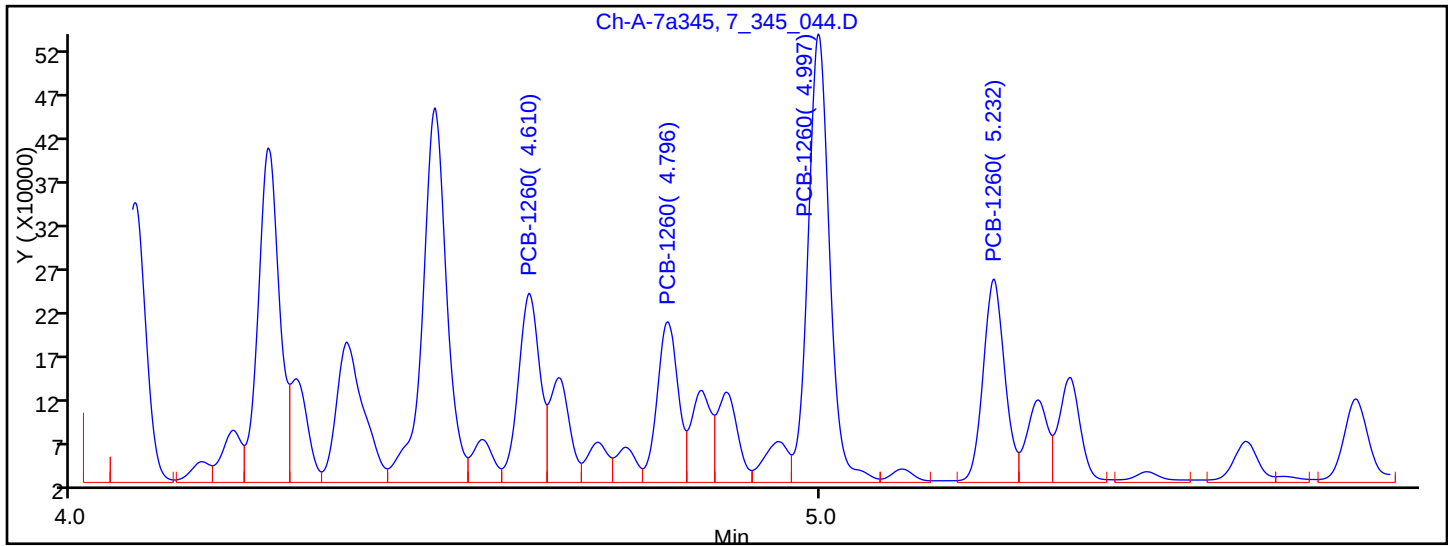
Column:

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.610	Response = 392235	M
RT = 4.796	Response = 321627	M
RT = 4.997	Response = 980758	M
RT = 5.232	Response = 438947	M



Manual Integration Results

RT = 4.610	Response = 433031	M
RT = 4.796	Response = 360073	M
RT = 4.997	Response = 1031488	M
RT = 5.232	Response = 468229	M

Reviewer: eversd, 25-Aug-2014 06:04:58

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/44 Calibration Date: 08/24/2014 21:27
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_044.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1354363	1381250		0.510	0.500	2.0	20.0
PCB-1016 Peak 2	Ave	2836183	3018206		0.532	0.500	6.4	20.0
PCB-1016 Peak 3	Ave	1076189	1121186		0.521	0.500	4.2	20.0
PCB-1016 Peak 4	Ave	606614	642120		0.529	0.500	5.9	20.0
PCB-1260 Peak 1	Ave	1412623	1144232		0.405	0.500	-19.0	20.0
PCB-1260 Peak 2	Ave	1117145	919138		0.411	0.500	-17.7	20.0
PCB-1260 Peak 3	Ave	3212387	2869440		0.447	0.500	-10.7	20.0
PCB-1260 Peak 4	Ave	1918773	1642722		0.428	0.500	-14.4	20.0
Tetrachloro-m-xylene	Ave	41387266	36718300		0.0266	0.0300	-11.3	20.0
DCB Decachlorobiphenyl	Ave	28722137	20683267		0.0216	0.0300	-28.0*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/44 Calibration Date: 08/24/2014 21:27
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_044.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.16	2.13	2.19
PCB-1016 Peak 2	2.46	2.43	2.49
PCB-1016 Peak 3	2.58	2.55	2.61
PCB-1016 Peak 4	2.67	2.64	2.70
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.68	4.65	4.71
PCB-1260 Peak 3	4.75	4.72	4.78
PCB-1260 Peak 4	5.08	5.05	5.11
Tetrachloro-m-xylene	1.48	1.45	1.51
DCB Decachlorobiphenyl	6.06	6.00	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 24-Aug-2014 21:27:42 ALS Bottle#: 0 Worklist Smp#: 44
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 10:20:51 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 10:20:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene M

1	1.794	1.794	0.000	856877	0.0300	0.0300	M
2	1.477	1.477	0.000	1101549	0.0300	0.0266	

RPD = 11.93

6 PCB-1016 M

1	2.676	2.676	0.000	1084589	0.5000	0.5483	M
1	2.757	2.757	0.000	410073	0.5000	0.5389	M
1	2.816	2.816	0.000	279055	0.5000	0.5468	M
1	2.933	2.933	0.000	233938	0.5000	0.5052	M

Average of Peak Amounts = 0.5348

2	2.162	2.162	0.000	690625	0.5000	0.5099	
2	2.463	2.463	0.000	1509103	0.5000	0.5321	
2	2.575	2.575	0.000	560593	0.5000	0.5209	
2	2.667	2.667	0.000	321060	0.5000	0.5293	

Average of Peak Amounts = 0.5230

RPD = 2.22

9 PCB-1260 M

1	4.610	4.610	0.000	433031	0.5000	0.5272	M
1	4.796	4.796	0.000	360073	0.5000	0.4542	M
1	4.997	4.997	0.000	1031488	0.5000	0.5262	M
1	5.232	5.232	0.000	468229	0.5000	0.4465	M

Average of Peak Amounts = 0.4885

2	4.607	4.607	0.000	572116	0.5000	0.4050	
2	4.675	4.675	0.000	459569	0.5000	0.4114	
2	4.746	4.746	0.000	1434720	0.5000	0.4466	
2	5.077	5.077	0.000	821361	0.5000	0.4281	

Average of Peak Amounts = 0.4228

RPD = 14.43

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.388	6.388	0.000	490323	0.0300	0.0247	
2	6.063	6.063	0.000	620498	0.0300	0.0216	

RPD = 13.56

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_044.D

Injection Date: 24-Aug-2014 21:27:42

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 44

Client ID:

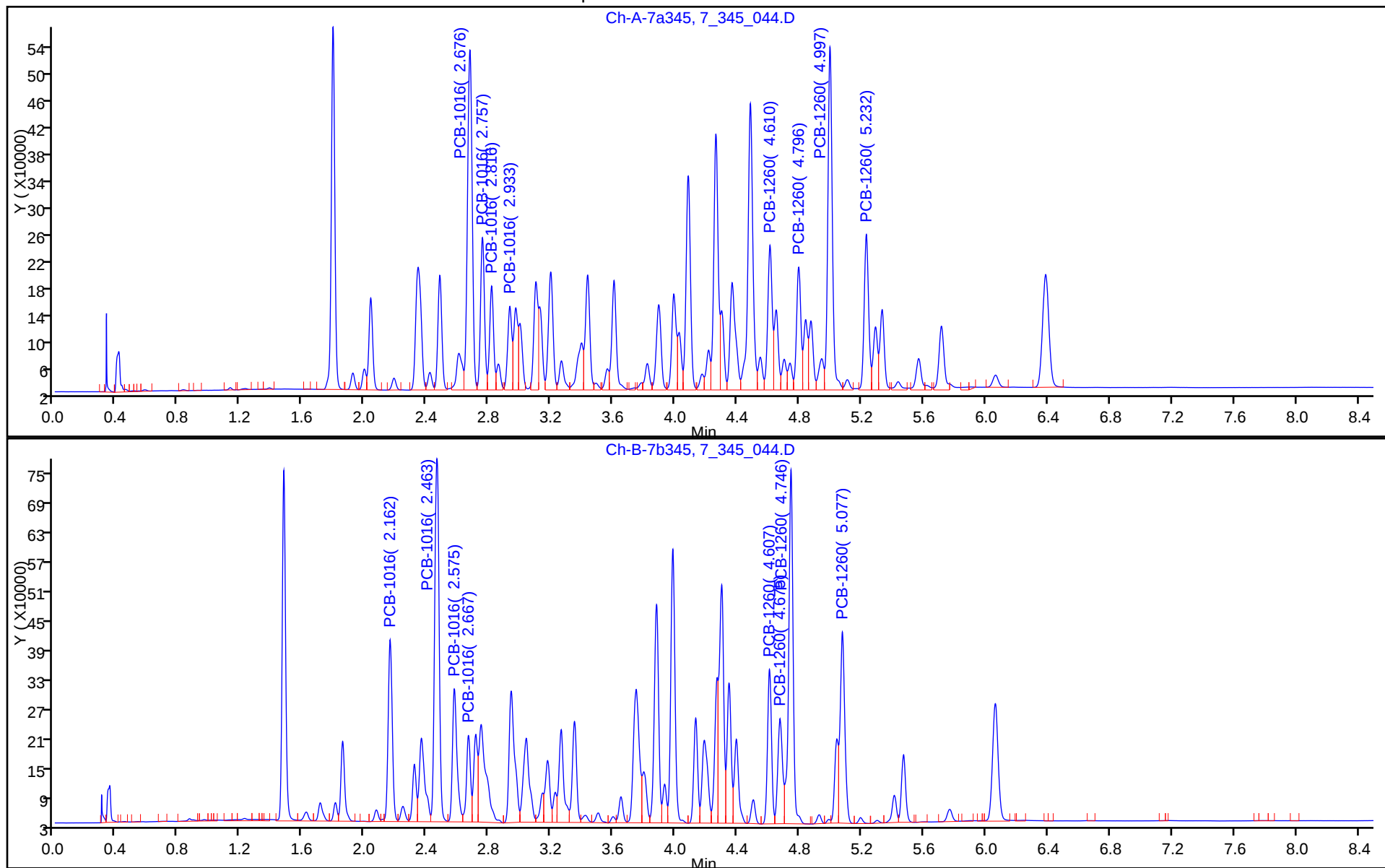
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/98 Calibration Date: 08/25/2014 12:27
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_098.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1977944	1996460		0.505	0.500	0.9	20.0
PCB-1016 Peak 2	Ave	760897	751676		0.494	0.500	-1.2	20.0
PCB-1016 Peak 3	Ave	510336	509642		0.499	0.500	-0.1	20.0
PCB-1016 Peak 4	Ave	463097	429506		0.464	0.500	-7.3	20.0
PCB-1260 Peak 1	Ave	821413	975486		0.594	0.500	18.8	20.0
PCB-1260 Peak 2	Ave	792715	800696		0.505	0.500	1.0	20.0
PCB-1260 Peak 3	Ave	1960415	2213518		0.565	0.500	12.9	20.0
PCB-1260 Peak 4	Ave	1048668	1025540		0.489	0.500	-2.2	20.0
Tetrachloro-m-xylene	Ave	28568640	26765433		0.0281	0.0300	-6.3	20.0
DCB Decachlorobiphenyl	Ave	19814254	17858067		0.0270	0.0300	-9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/98 Calibration Date: 08/25/2014 12:27
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_098.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.76	2.73	2.79
PCB-1016 Peak 3	2.82	2.79	2.85
PCB-1016 Peak 4	2.93	2.90	2.96
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.80	4.77	4.83
PCB-1260 Peak 3	5.00	4.97	5.03
PCB-1260 Peak 4	5.23	5.20	5.26
Tetrachloro-m-xylene	1.79	1.76	1.82
DCB Decachlorobiphenyl	6.39	6.33	6.45

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 25-Aug-2014 12:27:33 ALS Bottle#: 0 Worklist Smp#: 98
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 12:53:51 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 12:53:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	802963	0.0300	0.0281	
2	1.475	1.475	0.000	1035252	0.0300	0.0250	
							RPD = 11.64

6 PCB-1016

1	2.677	2.677	0.000	998230	0.5000	0.5047	M
1	2.758	2.758	0.000	375838	0.5000	0.4939	M
1	2.817	2.817	0.000	254821	0.5000	0.4993	M
1	2.934	2.934	0.000	214753	0.5000	0.4637	M
Average of Peak Amounts =							0.4904
2	2.161	2.161	0.000	642230	0.5000	0.4742	
2	2.463	2.463	0.000	1392199	0.5000	0.4909	
2	2.574	2.574	0.000	515464	0.5000	0.4790	
2	2.667	2.667	0.000	295620	0.5000	0.4873	
Average of Peak Amounts =							0.4828
							RPD = 1.56

9 PCB-1260

1	4.611	4.611	0.000	487743	0.5000	0.5938	M
1	4.795	4.795	0.000	400348	0.5000	0.5050	M
1	4.998	4.998	0.000	1106759	0.5000	0.5646	M
1	5.232	5.232	0.000	512770	0.5000	0.4890	M
Average of Peak Amounts =							0.5381
2	4.607	4.607	0.000	664484	0.5000	0.4704	
2	4.673	4.673	0.000	545322	0.5000	0.4881	
2	4.744	4.744	0.000	1624696	0.5000	0.5058	
2	5.076	5.076	0.000	936879	0.5000	0.4883	
Average of Peak Amounts =							0.4881
							RPD = 9.73

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	535742	0.0300	0.0270	
2	6.061	6.061	0.000	716277	0.0300	0.0249	

RPD = 8.08

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D

Injection Date: 25-Aug-2014 12:27:33

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 98

Client ID:

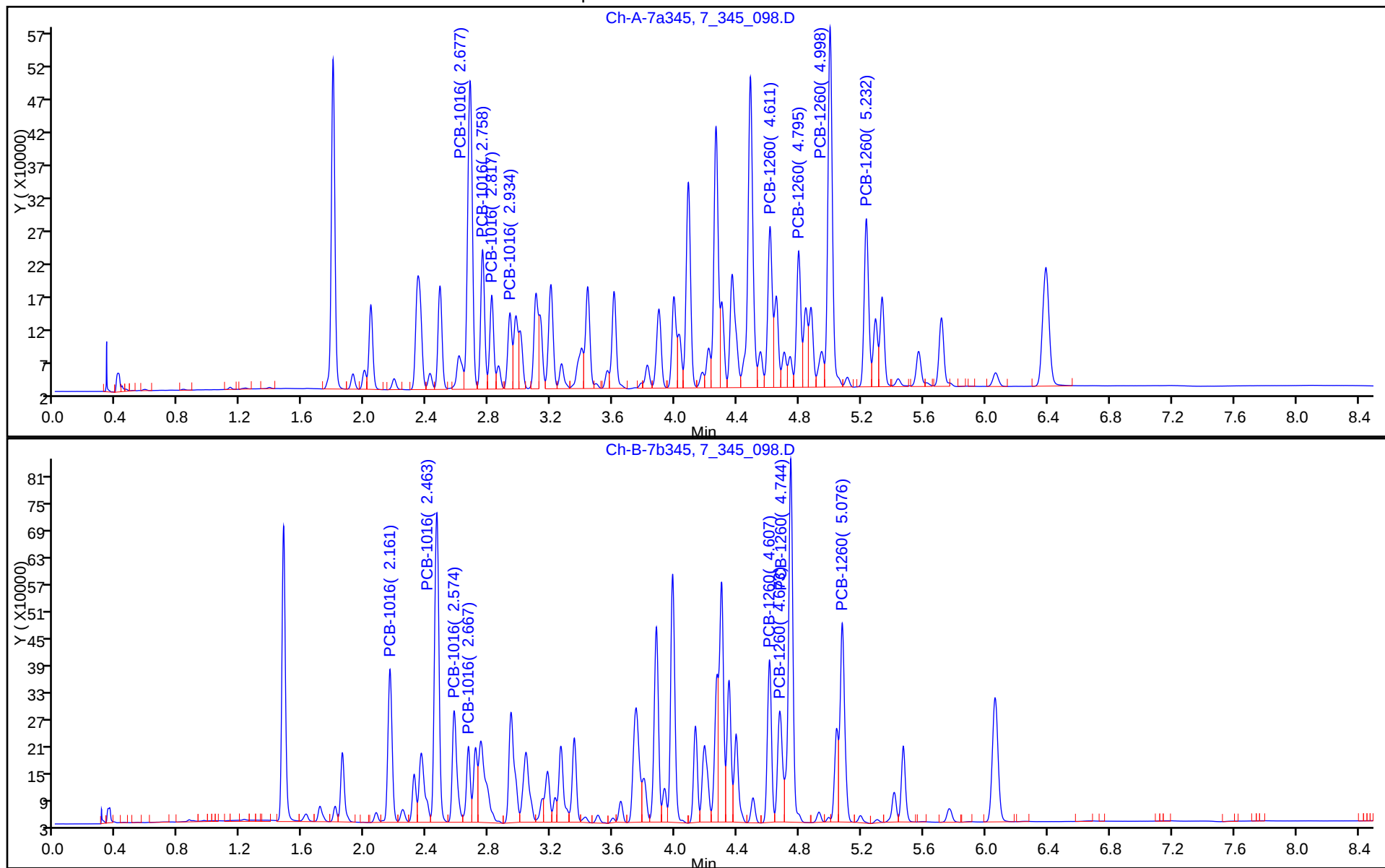
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D

Injection Date: 25-Aug-2014 12:27:33

Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 98

Injection Vol: 1.0 ul

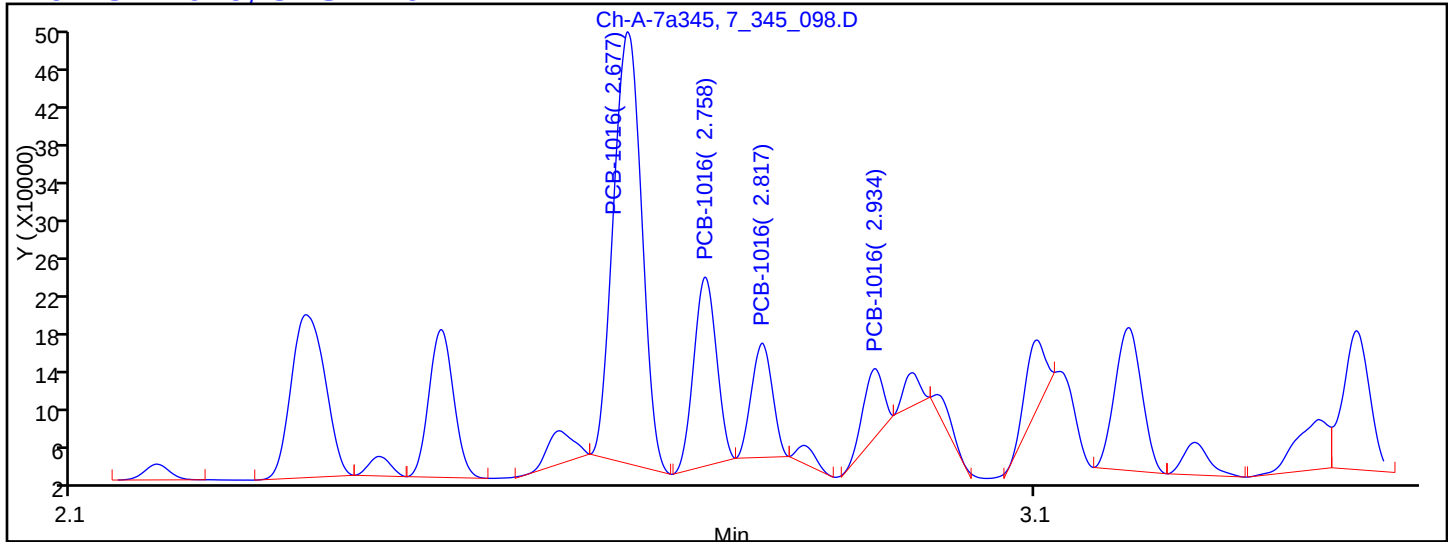
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

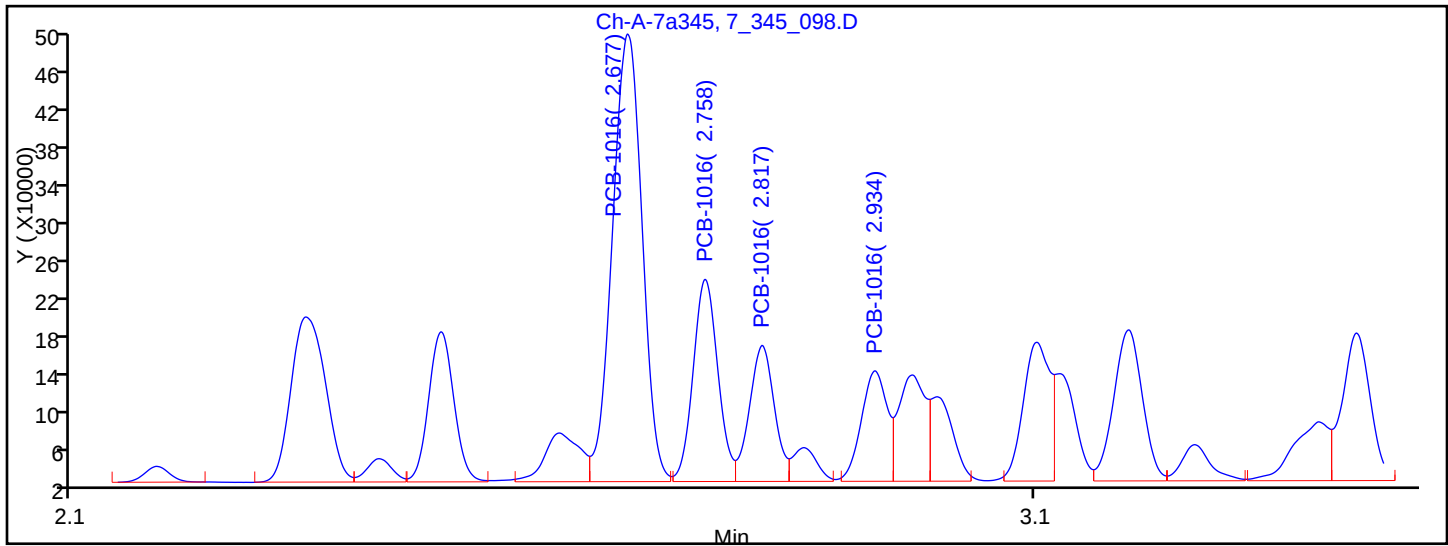
Column:

Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.677	Response = 918736	M
RT = 2.758	Response = 323365	M
RT = 2.817	Response = 179163	M
RT = 2.934	Response = 104643	M



Manual Integration Results

RT = 2.677	Response = 998230	M
RT = 2.758	Response = 375838	M
RT = 2.817	Response = 254821	M
RT = 2.934	Response = 214753	M

Reviewer: eversd, 25-Aug-2014 12:51:02

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D

Injection Date: 25-Aug-2014 12:27:33

Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 98

Injection Vol: 1.0 ul

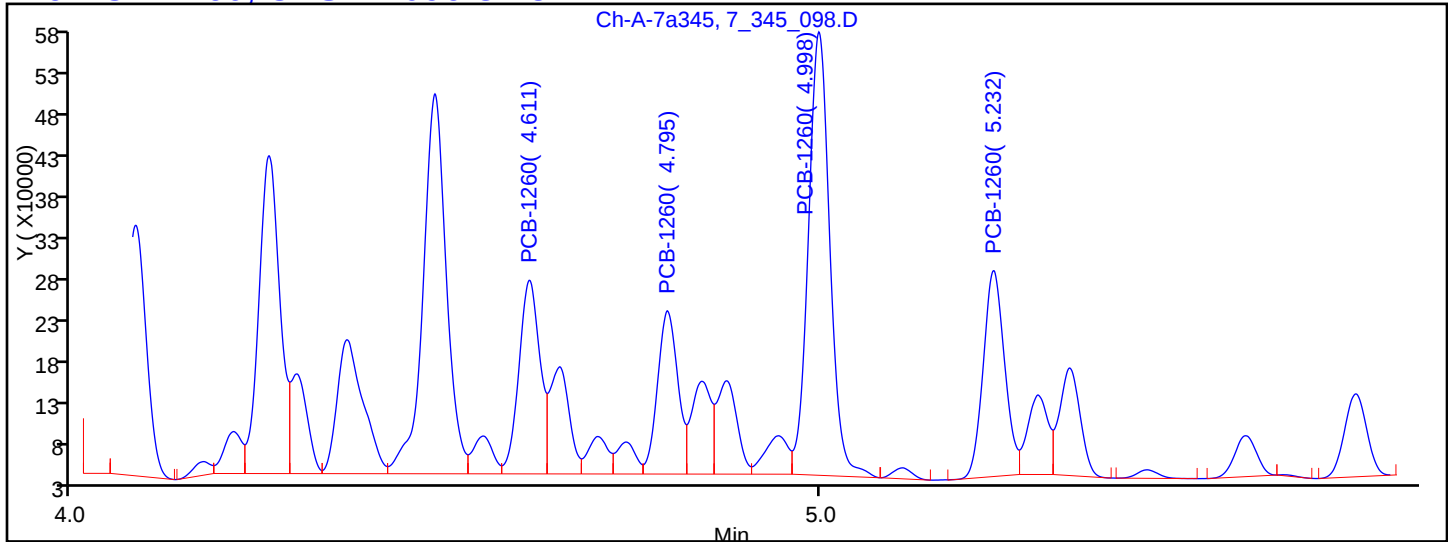
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

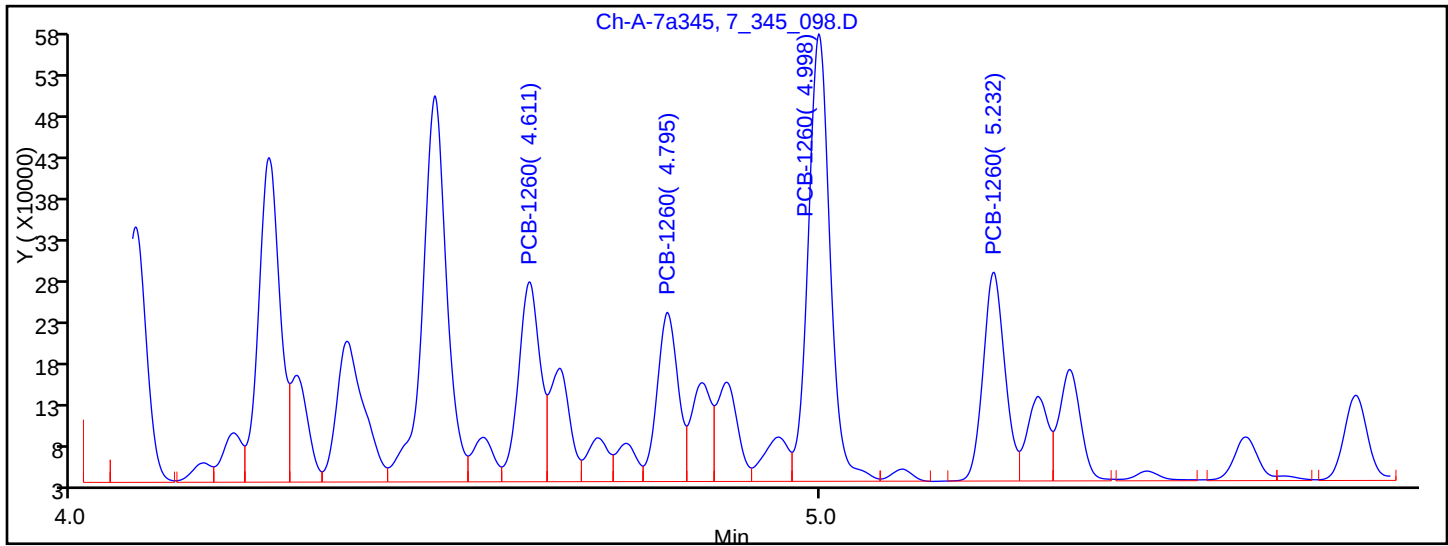
Column:

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.611	Response = 458437	M
RT = 4.795	Response = 373896	M
RT = 4.998	Response = 1072284	M
RT = 5.232	Response = 495483	M



Manual Integration Results

RT = 4.611	Response = 487743	M
RT = 4.795	Response = 400348	M
RT = 4.998	Response = 1106759	M
RT = 5.232	Response = 512770	M

Reviewer: eversd, 25-Aug-2014 12:51:02

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/98 Calibration Date: 08/25/2014 12:27
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_098.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1354363	1284460		0.474	0.500	-5.2	20.0
PCB-1016 Peak 2	Ave	2836183	2784398		0.491	0.500	-1.8	20.0
PCB-1016 Peak 3	Ave	1076189	1030928		0.479	0.500	-4.2	20.0
PCB-1016 Peak 4	Ave	606614	591240		0.487	0.500	-2.5	20.0
PCB-1260 Peak 1	Ave	1412623	1328968		0.470	0.500	-5.9	20.0
PCB-1260 Peak 2	Ave	1117145	1090644		0.488	0.500	-2.4	20.0
PCB-1260 Peak 3	Ave	3212387	3249392		0.506	0.500	1.2	20.0
PCB-1260 Peak 4	Ave	1918773	1873758		0.488	0.500	-2.3	20.0
Tetrachloro-m-xylene	Ave	41387266	34508400		0.0250	0.0300	-16.6	20.0
DCB Decachlorobiphenyl	Ave	28722137	23875900		0.0249	0.0300	-16.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/98 Calibration Date: 08/25/2014 12:27
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_098.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.16	2.13	2.19
PCB-1016 Peak 2	2.46	2.43	2.49
PCB-1016 Peak 3	2.57	2.54	2.60
PCB-1016 Peak 4	2.67	2.64	2.70
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.67	4.64	4.70
PCB-1260 Peak 3	4.74	4.71	4.77
PCB-1260 Peak 4	5.08	5.05	5.11
Tetrachloro-m-xylene	1.48	1.45	1.51
DCB Decachlorobiphenyl	6.06	6.00	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 25-Aug-2014 12:27:33 ALS Bottle#: 0 Worklist Smp#: 98
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 12:53:51 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 12:53:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	802963	0.0300	0.0281	
2	1.475	1.475	0.000	1035252	0.0300	0.0250	

RPD = 11.64

6 PCB-1016

M

1	2.677	2.677	0.000	998230	0.5000	0.5047	M
1	2.758	2.758	0.000	375838	0.5000	0.4939	M
1	2.817	2.817	0.000	254821	0.5000	0.4993	M
1	2.934	2.934	0.000	214753	0.5000	0.4637	M

Average of Peak Amounts = 0.4904

2	2.161	2.161	0.000	642230	0.5000	0.4742	
2	2.463	2.463	0.000	1392199	0.5000	0.4909	
2	2.574	2.574	0.000	515464	0.5000	0.4790	
2	2.667	2.667	0.000	295620	0.5000	0.4873	

Average of Peak Amounts = 0.4828

RPD = 1.56

9 PCB-1260

M

1	4.611	4.611	0.000	487743	0.5000	0.5938	M
1	4.795	4.795	0.000	400348	0.5000	0.5050	M
1	4.998	4.998	0.000	1106759	0.5000	0.5646	M
1	5.232	5.232	0.000	512770	0.5000	0.4890	M

Average of Peak Amounts = 0.5381

2	4.607	4.607	0.000	664484	0.5000	0.4704	
2	4.673	4.673	0.000	545322	0.5000	0.4881	
2	4.744	4.744	0.000	1624696	0.5000	0.5058	
2	5.076	5.076	0.000	936879	0.5000	0.4883	

Average of Peak Amounts = 0.4881

RPD = 9.73

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	535742	0.0300	0.0270	
2	6.061	6.061	0.000	716277	0.0300	0.0249	

RPD = 8.08

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_098.D

Injection Date: 25-Aug-2014 12:27:33

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 98

Client ID:

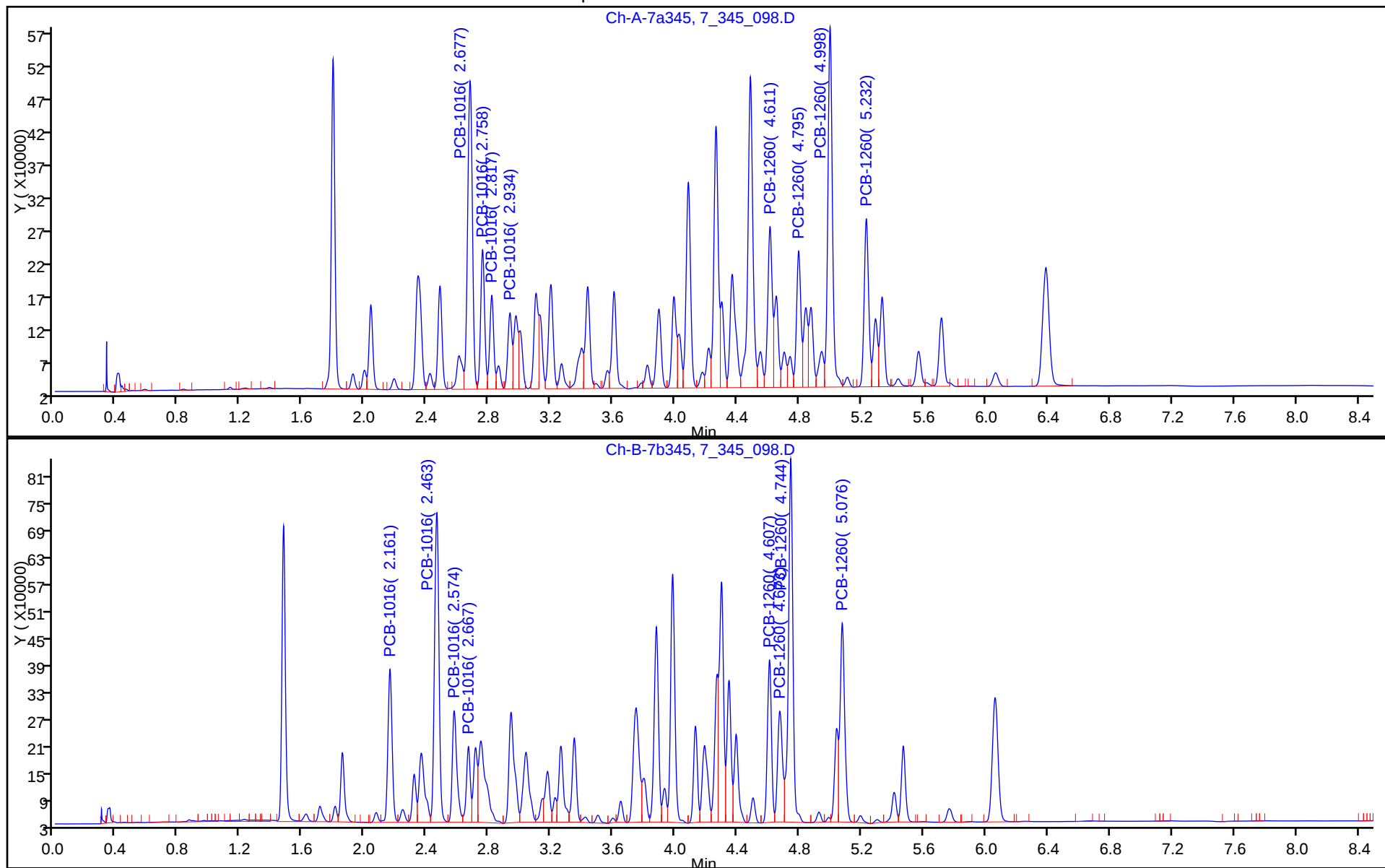
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/110 Calibration Date: 08/25/2014 15:38
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_110.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1977944	1982318		0.501	0.500	0.2	20.0
PCB-1016 Peak 2	Ave	760897	739712		0.486	0.500	-2.8	20.0
PCB-1016 Peak 3	Ave	510336	502606		0.492	0.500	-1.5	20.0
PCB-1016 Peak 4	Ave	463097	419558		0.453	0.500	-9.4	20.0
PCB-1260 Peak 1	Ave	821413	957446		0.583	0.500	16.6	20.0
PCB-1260 Peak 2	Ave	792715	802656		0.506	0.500	1.3	20.0
PCB-1260 Peak 3	Ave	1960415	2209206		0.563	0.500	12.7	20.0
PCB-1260 Peak 4	Ave	1048668	1036956		0.494	0.500	-1.1	20.0
Tetrachloro-m-xylene	Ave	28568640	26592000		0.0279	0.0300	-6.9	20.0
DCB Decachlorobiphenyl	Ave	19814254	18276333		0.0277	0.0300	-7.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/110 Calibration Date: 08/25/2014 15:38
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_110.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.76	2.73	2.79
PCB-1016 Peak 3	2.82	2.79	2.85
PCB-1016 Peak 4	2.93	2.90	2.96
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.80	4.77	4.83
PCB-1260 Peak 3	5.00	4.97	5.03
PCB-1260 Peak 4	5.23	5.20	5.26
Tetrachloro-m-xylene	1.80	1.77	1.83
DCB Decachlorobiphenyl	6.39	6.33	6.45

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 25-Aug-2014 15:38:11 ALS Bottle#: 0 Worklist Smp#: 110
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:50:23 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 15:50:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.795	1.795	0.000	797760	0.0300	0.0279	
2	1.477	1.477	0.000	1024837	0.0300	0.0248	
							RPD = 12.00

6 PCB-1016

1	2.678	2.678	0.000	991159	0.5000	0.5011	M
1	2.758	2.758	0.000	369856	0.5000	0.4861	M
1	2.818	2.818	0.000	251303	0.5000	0.4924	M
1	2.934	2.934	0.000	209779	0.5000	0.4530	M
Average of Peak Amounts =							0.4832
2	2.161	2.161	0.000	631585	0.5000	0.4663	
2	2.463	2.463	0.000	1365586	0.5000	0.4815	
2	2.576	2.576	0.000	503082	0.5000	0.4675	
2	2.667	2.667	0.000	291601	0.5000	0.4807	
Average of Peak Amounts =							0.4740
							RPD = 1.91

9 PCB-1260

1	4.612	4.612	0.000	478723	0.5000	0.5828	M
1	4.797	4.797	0.000	401328	0.5000	0.5063	M
1	4.998	4.998	0.000	1104603	0.5000	0.5635	M
1	5.233	5.233	0.000	518478	0.5000	0.4944	
Average of Peak Amounts =							0.5367
2	4.606	4.606	0.000	658160	0.5000	0.4659	
2	4.676	4.676	0.000	538624	0.5000	0.4821	
2	4.744	4.744	0.000	1572105	0.5000	0.4894	
2	5.077	5.077	0.000	892948	0.5000	0.4654	
Average of Peak Amounts =							0.4757
							RPD = 12.06

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	548290	0.0300	0.0277	
2	6.062	6.062	0.000	723301	0.0300	0.0252	

RPD = 9.42

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D

Injection Date: 25-Aug-2014 15:38:11

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 110

Client ID:

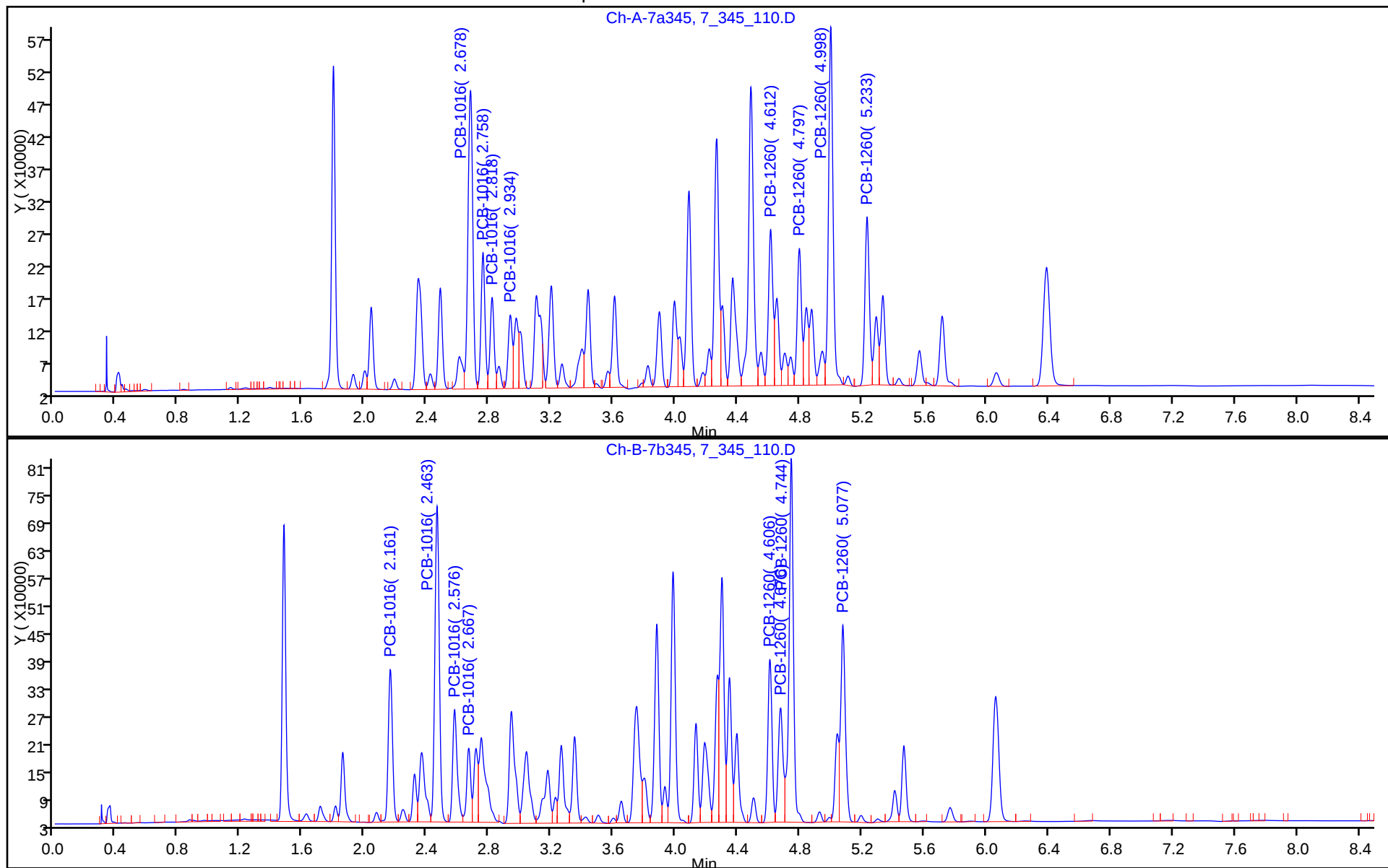
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D

Injection Date: 25-Aug-2014 15:38:11

Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 110

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

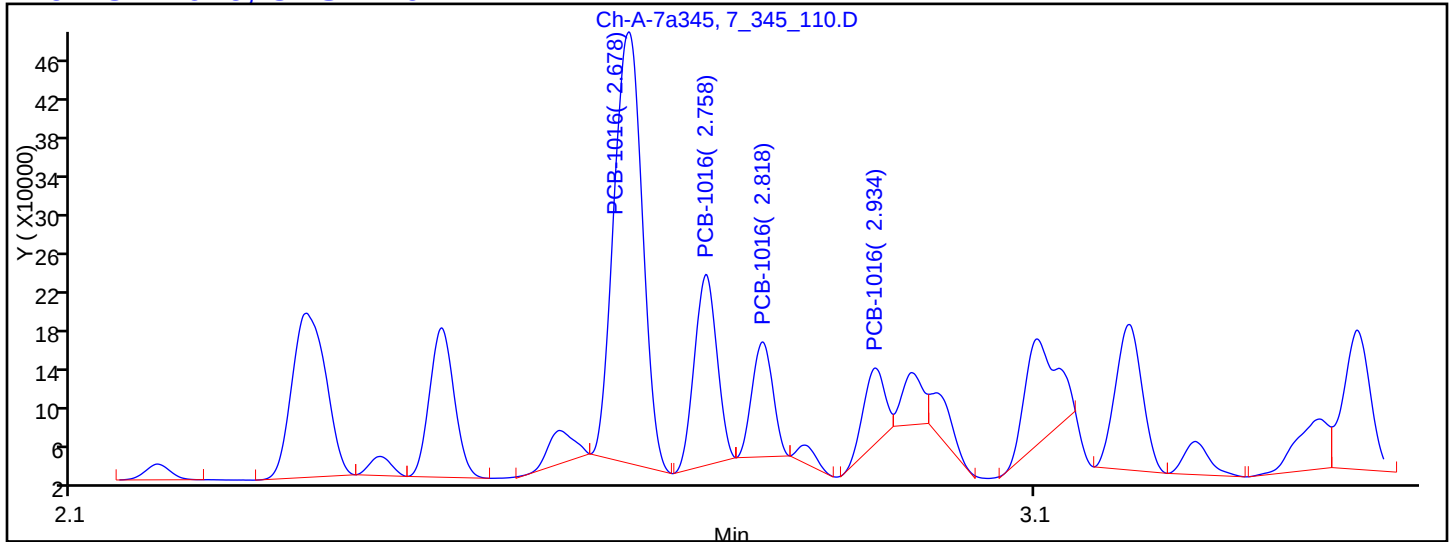
Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

Column:

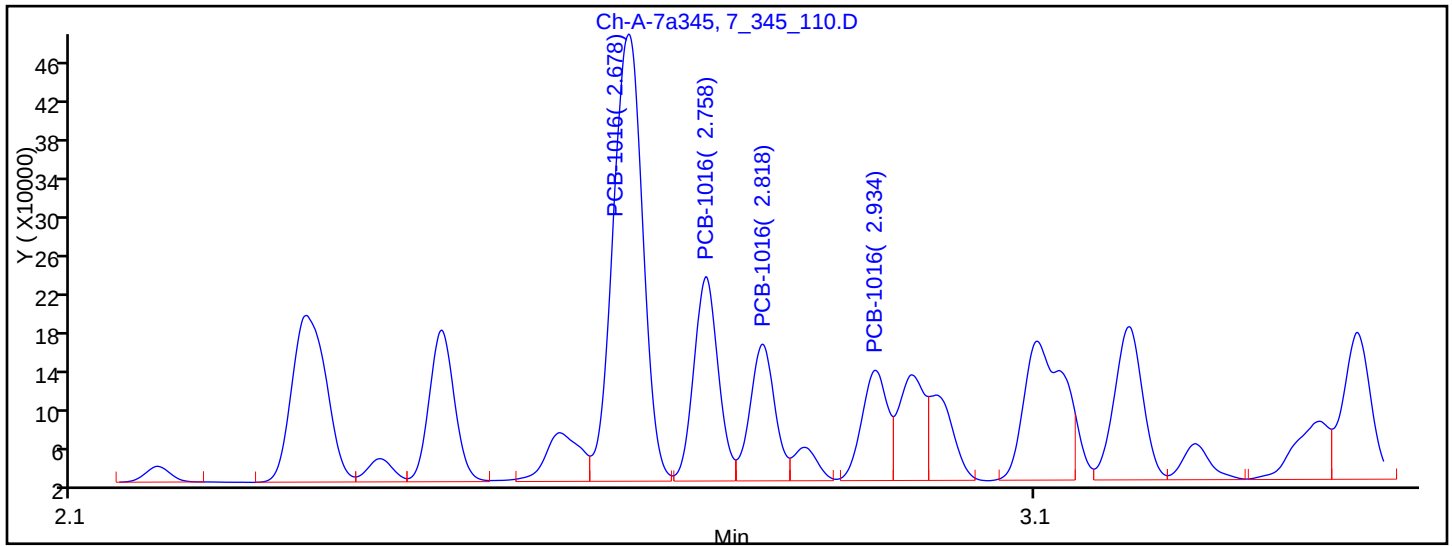
Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.678	Response = 911808	M
RT = 2.758	Response = 318421	M
RT = 2.818	Response = 176813	M
RT = 2.934	Response = 120191	M



Manual Integration Results

RT = 2.678	Response = 991159	M
RT = 2.758	Response = 369856	M
RT = 2.818	Response = 251303	M
RT = 2.934	Response = 209779	M

Reviewer: eversd, 25-Aug-2014 15:50:23

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D

Injection Date: 25-Aug-2014 15:38:11

Instrument ID: HP6890-7

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 110

Injection Vol: 1.0 ul

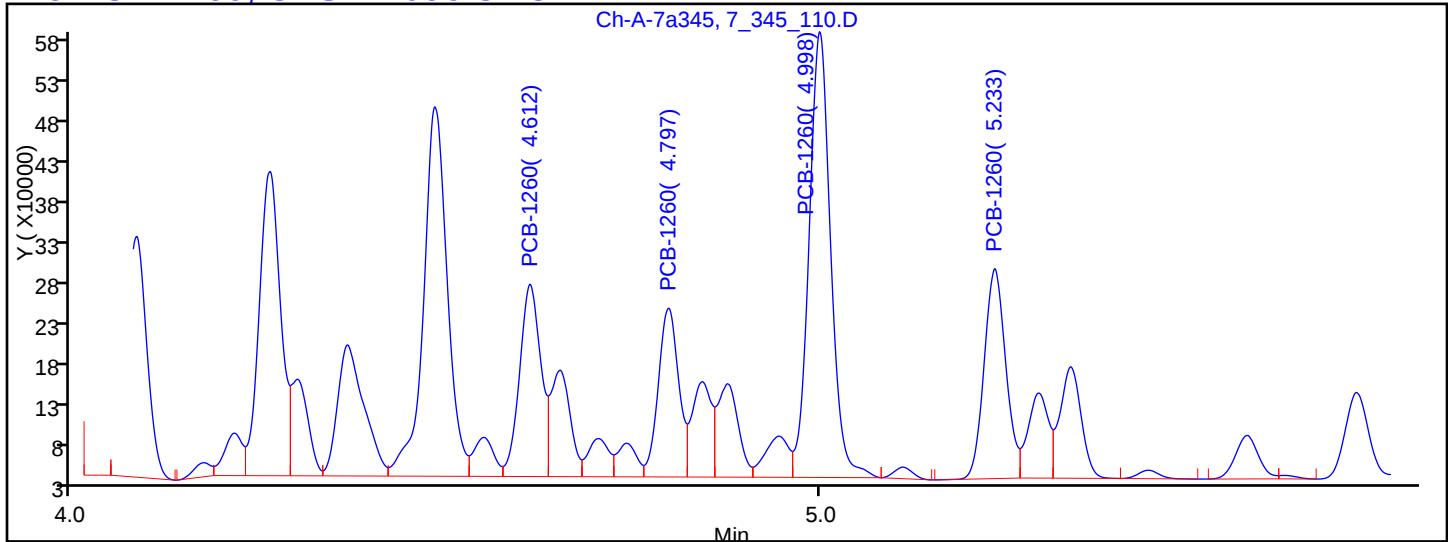
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

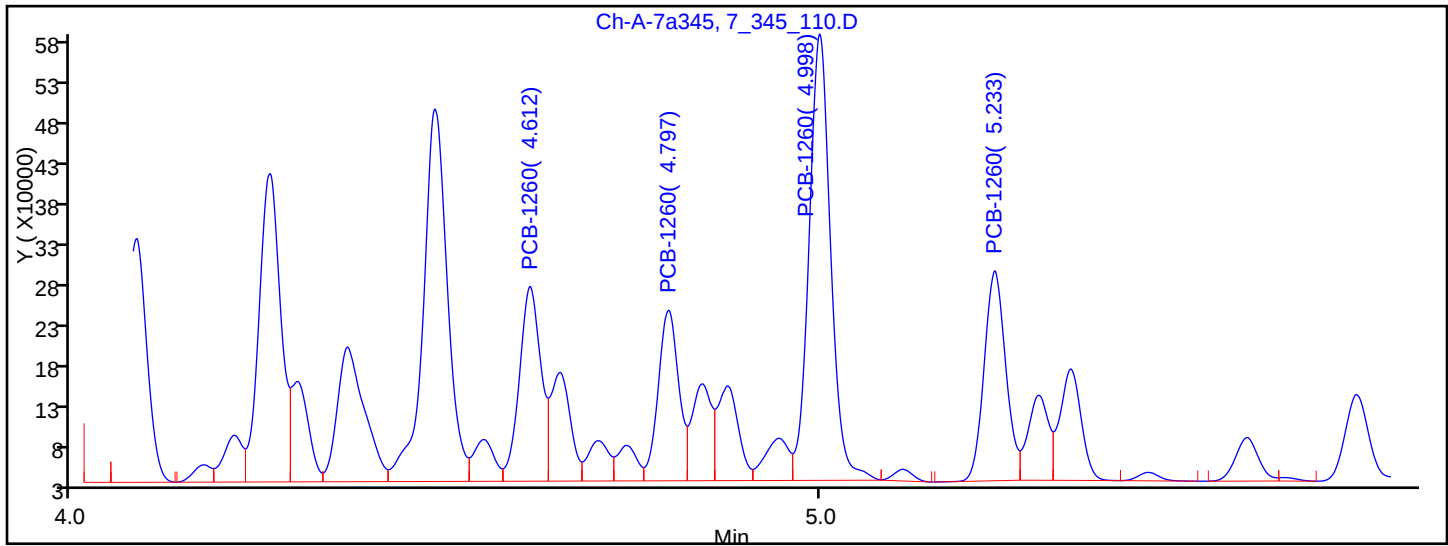
Column:

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.612	Response = 467298	M
RT = 4.797	Response = 393971	M
RT = 4.998	Response = 1099119	M
RT = 5.233	Response = 518478	



Manual Integration Results

RT = 4.612	Response = 478723	M
RT = 4.797	Response = 401328	M
RT = 4.998	Response = 1104603	M
RT = 5.233	Response = 518478	

Reviewer: eversd, 25-Aug-2014 15:50:23

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Lab Sample ID: CCV 480-199358/110 Calibration Date: 08/25/2014 15:38
 Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
 Lab File ID: 7_345_110.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	1354363	1263170		0.466	0.500	-6.7	20.0
PCB-1016 Peak 2	Ave	2836183	2731172		0.481	0.500	-3.7	20.0
PCB-1016 Peak 3	Ave	1076189	1006164		0.467	0.500	-6.5	20.0
PCB-1016 Peak 4	Ave	606614	583202		0.481	0.500	-3.9	20.0
PCB-1260 Peak 1	Ave	1412623	1316320		0.466	0.500	-6.8	20.0
PCB-1260 Peak 2	Ave	1117145	1077248		0.482	0.500	-3.6	20.0
PCB-1260 Peak 3	Ave	3212387	3144210		0.489	0.500	-2.1	20.0
PCB-1260 Peak 4	Ave	1918773	1785896		0.465	0.500	-6.9	20.0
Tetrachloro-m-xylene	Ave	41387266	34161233		0.0248	0.0300	-17.5	20.0
DCB Decachlorobiphenyl	Ave	28722137	24110033		0.0252	0.0300	-16.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Lab Sample ID: CCV 480-199358/110 Calibration Date: 08/25/2014 15:38
Instrument ID: HP6890-7 Calib Start Date: 07/09/2014 12:21
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/09/2014 13:56
Lab File ID: 7_345_110.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.16	2.13	2.19
PCB-1016 Peak 2	2.46	2.43	2.49
PCB-1016 Peak 3	2.58	2.55	2.61
PCB-1016 Peak 4	2.67	2.64	2.70
PCB-1260 Peak 1	4.61	4.58	4.64
PCB-1260 Peak 2	4.68	4.65	4.71
PCB-1260 Peak 3	4.74	4.71	4.77
PCB-1260 Peak 4	5.08	5.05	5.11
Tetrachloro-m-xylene	1.48	1.45	1.51
DCB Decachlorobiphenyl	6.06	6.00	6.12

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 25-Aug-2014 15:38:11 ALS Bottle#: 0 Worklist Smp#: 110
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Sublist: chrom-HP7-PCBS*sub12
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:50:23 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:50:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.795	1.795	0.000	797760	0.0300	0.0279	
2	1.477	1.477	0.000	1024837	0.0300	0.0248	

RPD = 12.00

6 PCB-1016

M

1	2.678	2.678	0.000	991159	0.5000	0.5011	M
1	2.758	2.758	0.000	369856	0.5000	0.4861	M
1	2.818	2.818	0.000	251303	0.5000	0.4924	M
1	2.934	2.934	0.000	209779	0.5000	0.4530	M

Average of Peak Amounts = 0.4832

2	2.161	2.161	0.000	631585	0.5000	0.4663	
2	2.463	2.463	0.000	1365586	0.5000	0.4815	
2	2.576	2.576	0.000	503082	0.5000	0.4675	
2	2.667	2.667	0.000	291601	0.5000	0.4807	

Average of Peak Amounts = 0.4740

RPD = 1.91

9 PCB-1260

M

1	4.612	4.612	0.000	478723	0.5000	0.5828	M
1	4.797	4.797	0.000	401328	0.5000	0.5063	M
1	4.998	4.998	0.000	1104603	0.5000	0.5635	M
1	5.233	5.233	0.000	518478	0.5000	0.4944	

Average of Peak Amounts = 0.5367

2	4.606	4.606	0.000	658160	0.5000	0.4659	
2	4.676	4.676	0.000	538624	0.5000	0.4821	
2	4.744	4.744	0.000	1572105	0.5000	0.4894	
2	5.077	5.077	0.000	892948	0.5000	0.4654	

Average of Peak Amounts = 0.4757

RPD = 12.06

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.389	6.389	0.000	548290	0.0300	0.0277	
2	6.062	6.062	0.000	723301	0.0300	0.0252	

RPD = 9.42

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00096

Amount Added: 1.00

Units: mL

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_110.D

Injection Date: 25-Aug-2014 15:38:11

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 110

Client ID:

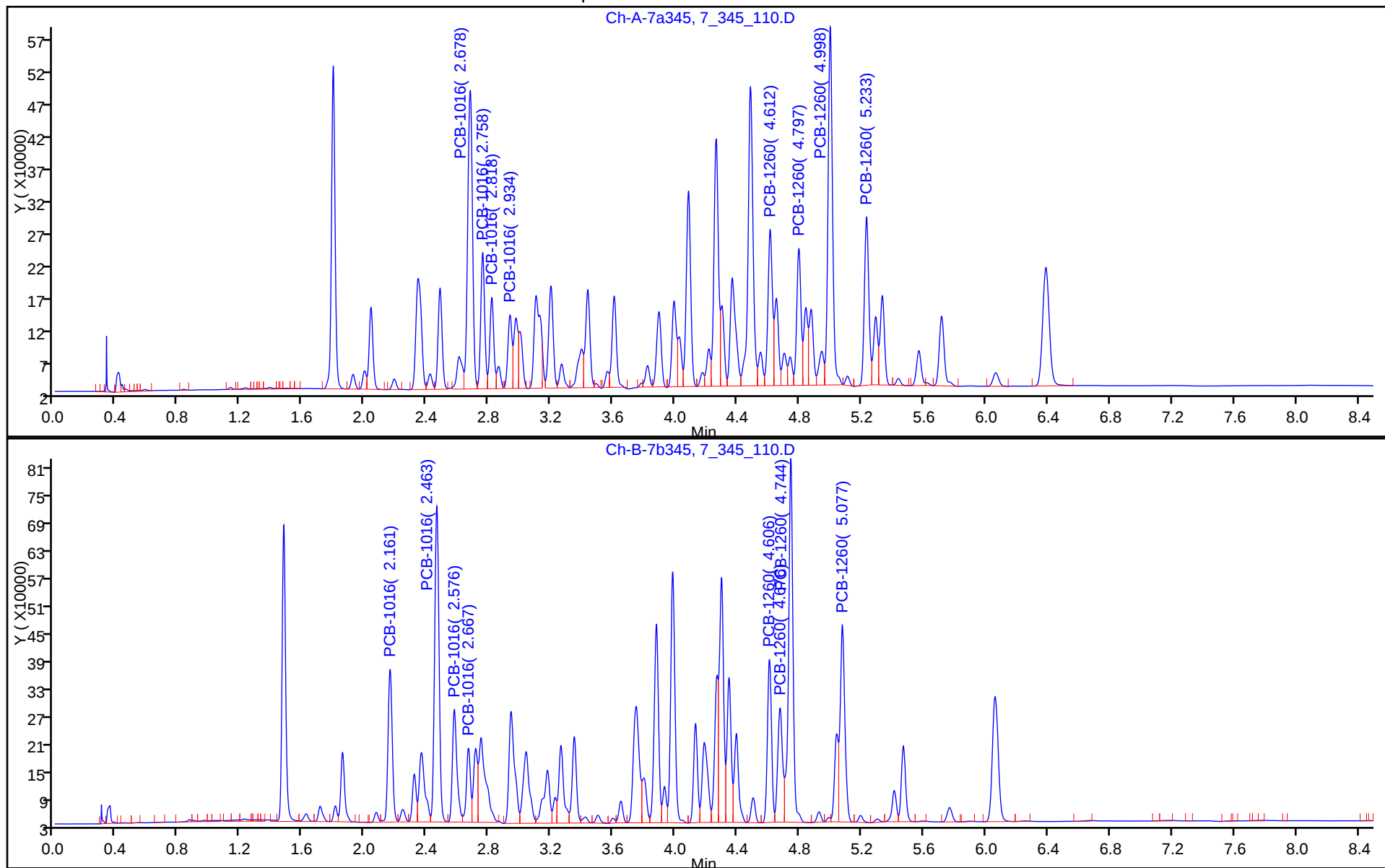
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-199292/1-A
 Matrix: Wipe Lab File ID: 7_345_100.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 12:59
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	110		57-173
2051-24-3	DCB Decachlorobiphenyl	110		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_100.D
 Lims ID: MB 480-199292/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 25-Aug-2014 12:59:31 ALS Bottle#: 0 Worklist Smp#: 100
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:09:04 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd

Date: 25-Aug-2014 15:09:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	629189	0.0200	0.0220	
2	1.477	1.475	0.002	790148	0.0200	0.0191	
RPD = 14.26							

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	436568	0.0200	0.0220	
2	6.064	6.061	0.003	582247	0.0200	0.0203	
RPD = 8.33							

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_100.D

Injection Date: 25-Aug-2014 12:59:31

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: MB 480-199292/1-A

Worklist Smp#: 100

Client ID:

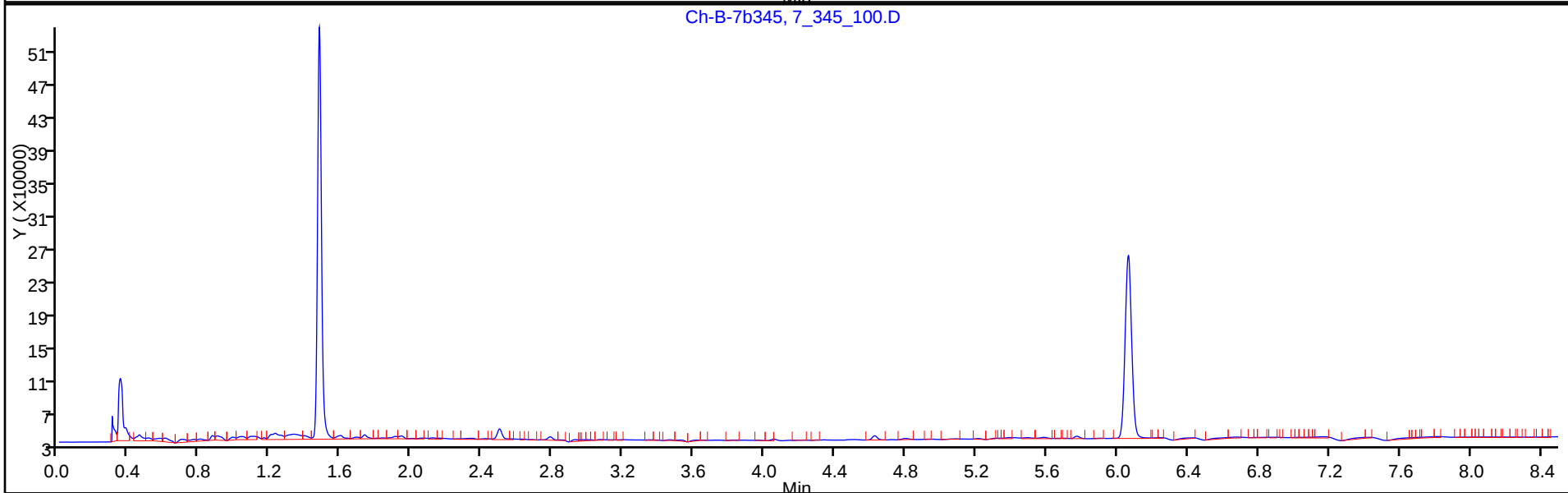
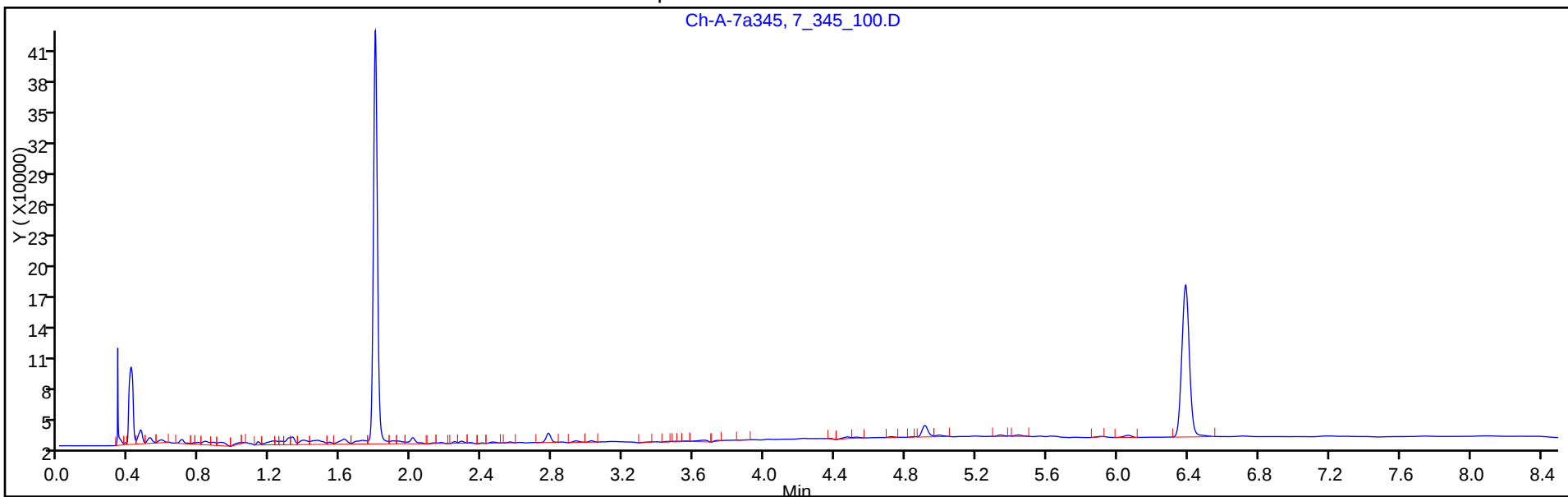
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-199292/1-A
Matrix: Wipe Lab File ID: 7_345_100.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 12:59
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		57-173
2051-24-3	DCB Decachlorobiphenyl	101		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_100.D
Lims ID: MB 480-199292/1-A
Client ID:
Sample Type: MB
Inject. Date: 25-Aug-2014 12:59:31 ALS Bottle#: 0 Worklist Smp#: 100
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP6890-7
Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 25-Aug-2014 15:09:04 Calib Date: 09-Jul-2014 17:38:38
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
Column 1 : Det: Ch-A-7A136
Column 2 : Det: Ch-B-7b136
Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 15:09:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.794	1.794	0.000	629189	0.0200	0.0220	
2	1.477	1.475	0.002	790148	0.0200	0.0191	
RPD = 14.26							

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	436568	0.0200	0.0220	
2	6.064	6.061	0.003	582247	0.0200	0.0203	
RPD = 8.33							

Reagents:

COPPER_00047 Amount Added: 1.00 Units: mL Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_100.D

Injection Date: 25-Aug-2014 12:59:31

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: MB 480-199292/1-A

Worklist Smp#: 100

Client ID:

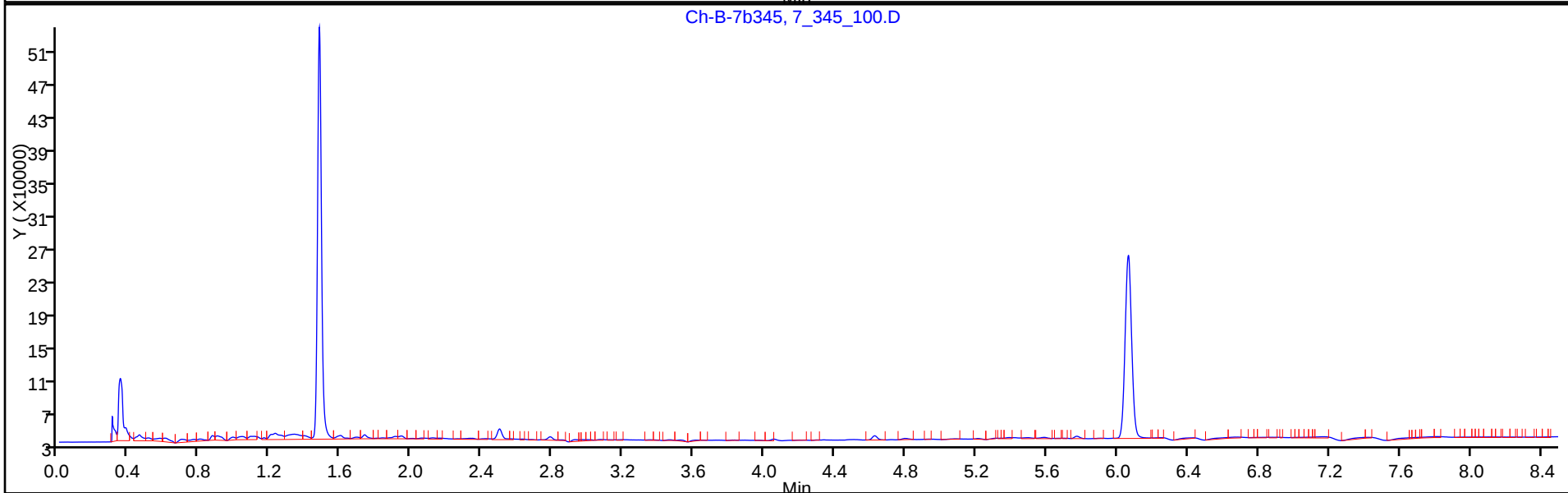
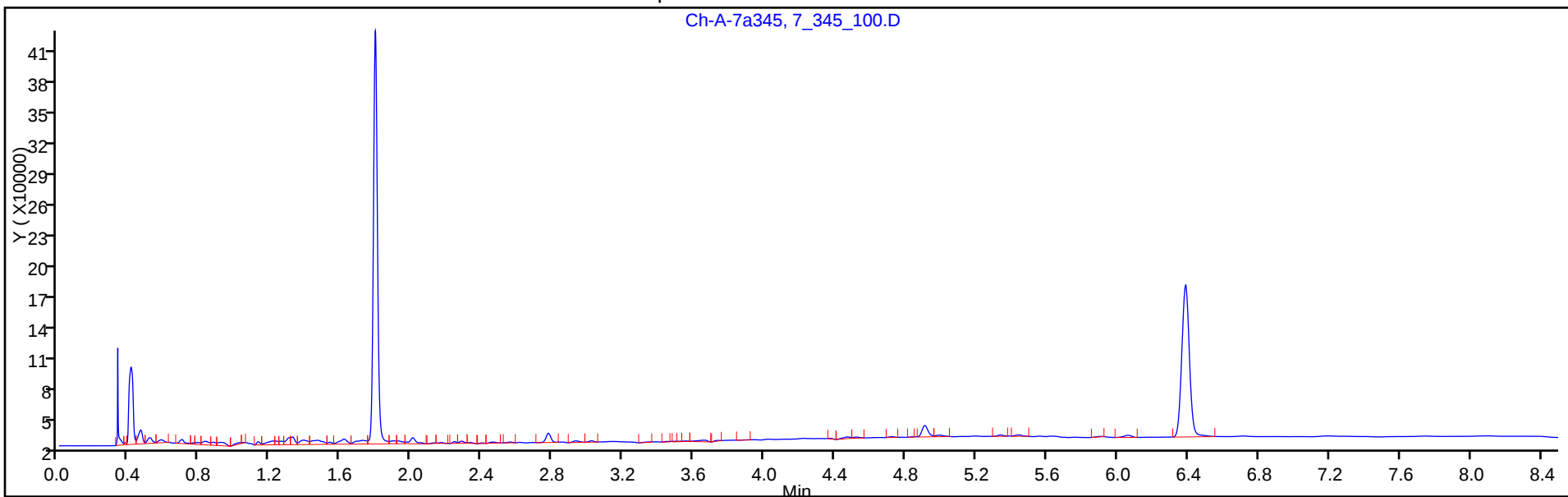
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-199292/2-A
Matrix: Wipe Lab File ID: 7_345_101.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 13:15
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	22.1		1.0	0.18
11096-82-5	PCB-1260	28.0		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	114		57-173
2051-24-3	DCB Decachlorobiphenyl	104		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_101.D
 Lims ID: LCS 480-199292/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 25-Aug-2014 13:15:19 ALS Bottle#: 0 Worklist Smp#: 101
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:09:04 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 15:09:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.795	1.794	0.001	652603	0.0200	0.0228	
2	1.475	1.475	0.000	851375	0.0200	0.0206	
						RPD = 10.47	

6 PCB-1016

1	2.678	2.677	0.001	1120917	0.5000	0.5667	
1	2.758	2.758	0.000	425748	0.5000	0.5595	
1	2.818	2.817	0.001	288512	0.5000	0.5653	
1	2.934	2.934	0.000	239790	0.5000	0.5178	
Average of Peak Amounts =						0.5523	
2	2.162	2.161	0.001	734613	0.5000	0.5424	
2	2.463	2.463	0.000	1589689	0.5000	0.5605	
2	2.575	2.574	0.001	590959	0.5000	0.5491	
2	2.668	2.667	0.001	353935	0.5000	0.5835	
Average of Peak Amounts =						0.5589	
						RPD = 1.17	

9 PCB-1260

1	4.612	4.611	0.001	674229	0.5000	0.8208	
1	4.798	4.795	0.003	549214	0.5000	0.6928	
1	4.998	4.998	0.000	1429164	0.5000	0.7290	
1	5.233	5.232	0.001	588647	0.5000	0.5613	
Average of Peak Amounts =						0.7010	
2	4.606	4.607	-0.001	768462	0.5000	0.5440	
2	4.673	4.673	0.000	623473	0.5000	0.5581	
2	4.745	4.744	0.001	2076977	0.5000	0.6466	
2	5.078	5.076	0.002	1173755	0.5000	0.6117	
Average of Peak Amounts =						0.5901	
						RPD = 17.18	

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	410189	0.0200	0.0207	
2	6.062	6.061	0.001	556931	0.0200	0.0194	
						RPD = 6.54	

Reagents:

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_101.D

Injection Date: 25-Aug-2014 13:15:19

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: LCS 480-199292/2-A

Worklist Smp#: 101

Client ID:

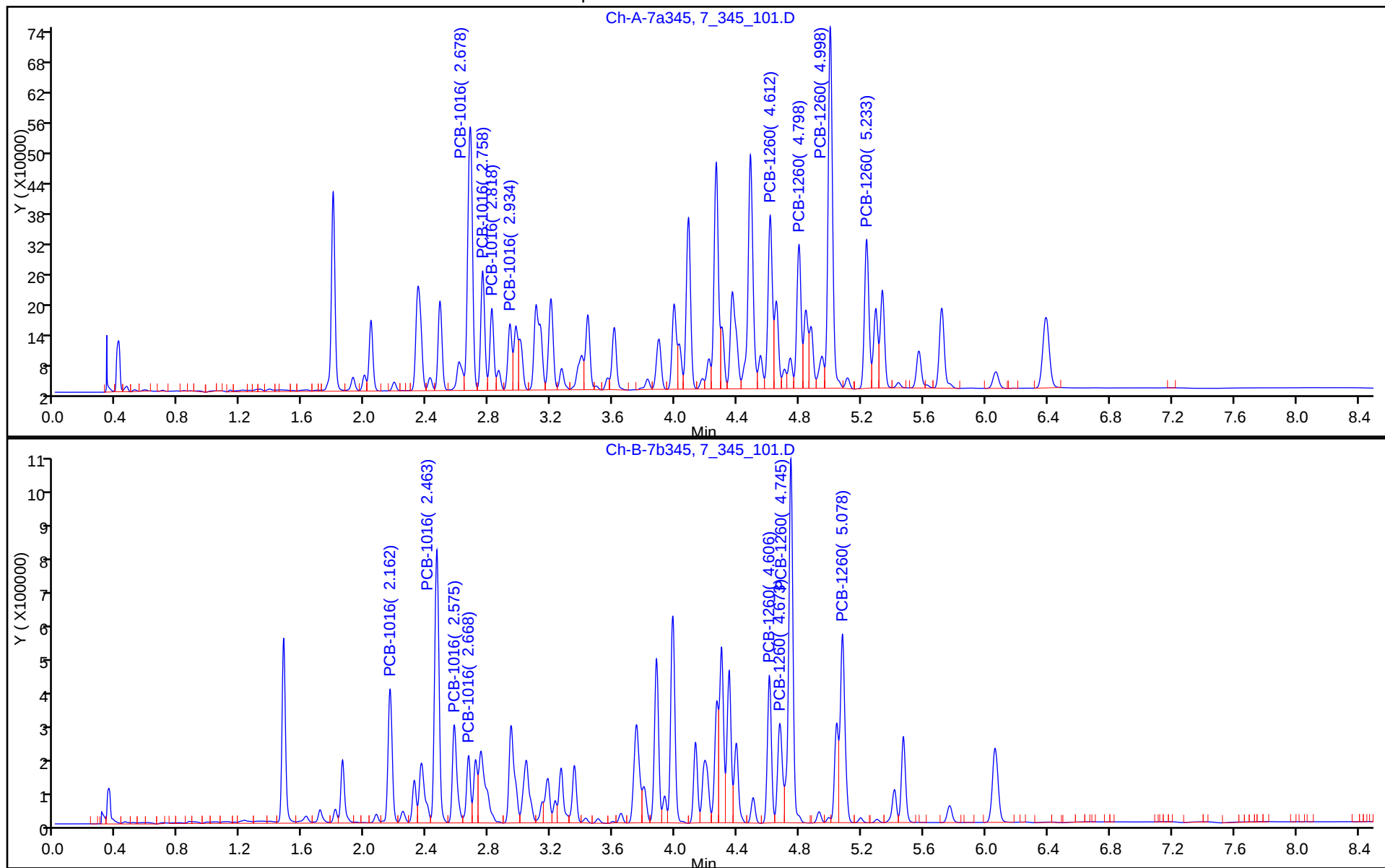
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-199292/2-A
Matrix: Wipe Lab File ID: 7_345_101.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 13:15
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	103		57-173
2051-24-3	DCB Decachlorobiphenyl	97		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_101.D
 Lims ID: LCS 480-199292/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 25-Aug-2014 13:15:19 ALS Bottle#: 0 Worklist Smp#: 101
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:09:04 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 15:09:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.795	1.794	0.001	652603	0.0200	0.0228	
2	1.475	1.475	0.000	851375	0.0200	0.0206	
						RPD = 10.47	

6 PCB-1016

1	2.678	2.677	0.001	1120917	0.5000	0.5667	
1	2.758	2.758	0.000	425748	0.5000	0.5595	
1	2.818	2.817	0.001	288512	0.5000	0.5653	
1	2.934	2.934	0.000	239790	0.5000	0.5178	
Average of Peak Amounts =						0.5523	
2	2.162	2.161	0.001	734613	0.5000	0.5424	
2	2.463	2.463	0.000	1589689	0.5000	0.5605	
2	2.575	2.574	0.001	590959	0.5000	0.5491	
2	2.668	2.667	0.001	353935	0.5000	0.5835	
Average of Peak Amounts =						0.5589	
						RPD = 1.17	

9 PCB-1260

1	4.612	4.611	0.001	674229	0.5000	0.8208	
1	4.798	4.795	0.003	549214	0.5000	0.6928	
1	4.998	4.998	0.000	1429164	0.5000	0.7290	
1	5.233	5.232	0.001	588647	0.5000	0.5613	
Average of Peak Amounts =						0.7010	
2	4.606	4.607	-0.001	768462	0.5000	0.5440	
2	4.673	4.673	0.000	623473	0.5000	0.5581	
2	4.745	4.744	0.001	2076977	0.5000	0.6466	
2	5.078	5.076	0.002	1173755	0.5000	0.6117	
Average of Peak Amounts =						0.5901	
						RPD = 17.18	

\$ 12 DCB Decachlorobiphenyl

1	6.388	6.389	-0.001	410189	0.0200	0.0207	
2	6.062	6.061	0.001	556931	0.0200	0.0194	
						RPD = 6.54	

Reagents:

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_101.D

Injection Date: 25-Aug-2014 13:15:19

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: LCS 480-199292/2-A

Worklist Smp#: 101

Client ID:

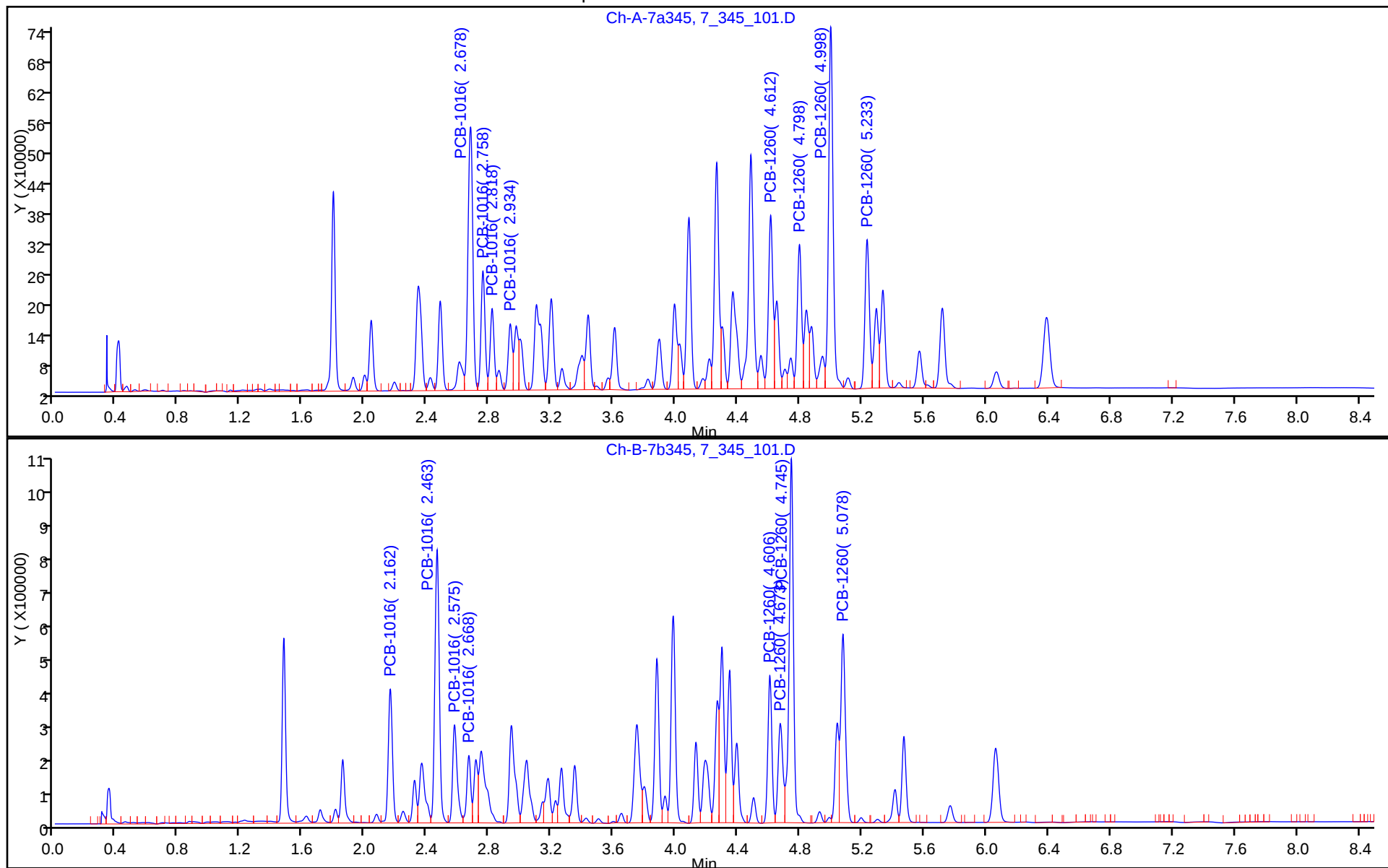
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 480-199292/3-A
 Matrix: Wipe Lab File ID: 7_345_102.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
 Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 13:31
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	22.1		1.0	0.18
11096-82-5	PCB-1260	28.4		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	113		57-173
2051-24-3	DCB Decachlorobiphenyl	104		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_102.D
 Lims ID: LCSD 480-199292/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 25-Aug-2014 13:31:10 ALS Bottle#: 0 Worklist Smp#: 102
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:10:39 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 15:10:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene M

1	1.793	1.794	-0.001	643367	0.0200	0.0225	M
2	1.476	1.475	0.001	820324	0.0200	0.0198	

RPD = 12.75

6 PCB-1016 M

1	2.677	2.677	0.000	1121421	0.5000	0.5670	M
1	2.758	2.758	0.000	424357	0.5000	0.5577	M
1	2.817	2.817	0.000	290884	0.5000	0.5700	M
1	2.933	2.934	-0.001	236913	0.5000	0.5116	M

Average of Peak Amounts = 0.5516

2	2.162	2.161	0.001	732372	0.5000	0.5408	
2	2.463	2.463	0.000	1585077	0.5000	0.5589	
2	2.577	2.574	0.003	588579	0.5000	0.5469	
2	2.668	2.667	0.001	338251	0.5000	0.5576	

Average of Peak Amounts = 0.5510

RPD = 0.10

9 PCB-1260 M

1	4.610	4.611	-0.001	680302	0.5000	0.8282	M
1	4.795	4.795	0.000	549523	0.5000	0.6932	M
1	4.998	4.998	0.000	1439171	0.5000	0.7341	M
1	5.232	5.232	0.000	608404	0.5000	0.5802	M

Average of Peak Amounts = 0.7089

2	4.608	4.607	0.001	759713	0.5000	0.5378	
2	4.676	4.673	0.003	623362	0.5000	0.5580	
2	4.746	4.744	0.002	2078030	0.5000	0.6469	
2	5.079	5.076	0.003	1170186	0.5000	0.6099	

Average of Peak Amounts = 0.5881

RPD = 18.63

\$ 12 DCB Decachlorobiphenyl

1	6.390	6.389	0.001	412427	0.0200	0.0208	
2	6.063	6.061	0.002	561411	0.0200	0.0195	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_102.D

Injection Date: 25-Aug-2014 13:31:10

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: LCSD 480-199292/3-A

Worklist Smp#: 102

Client ID:

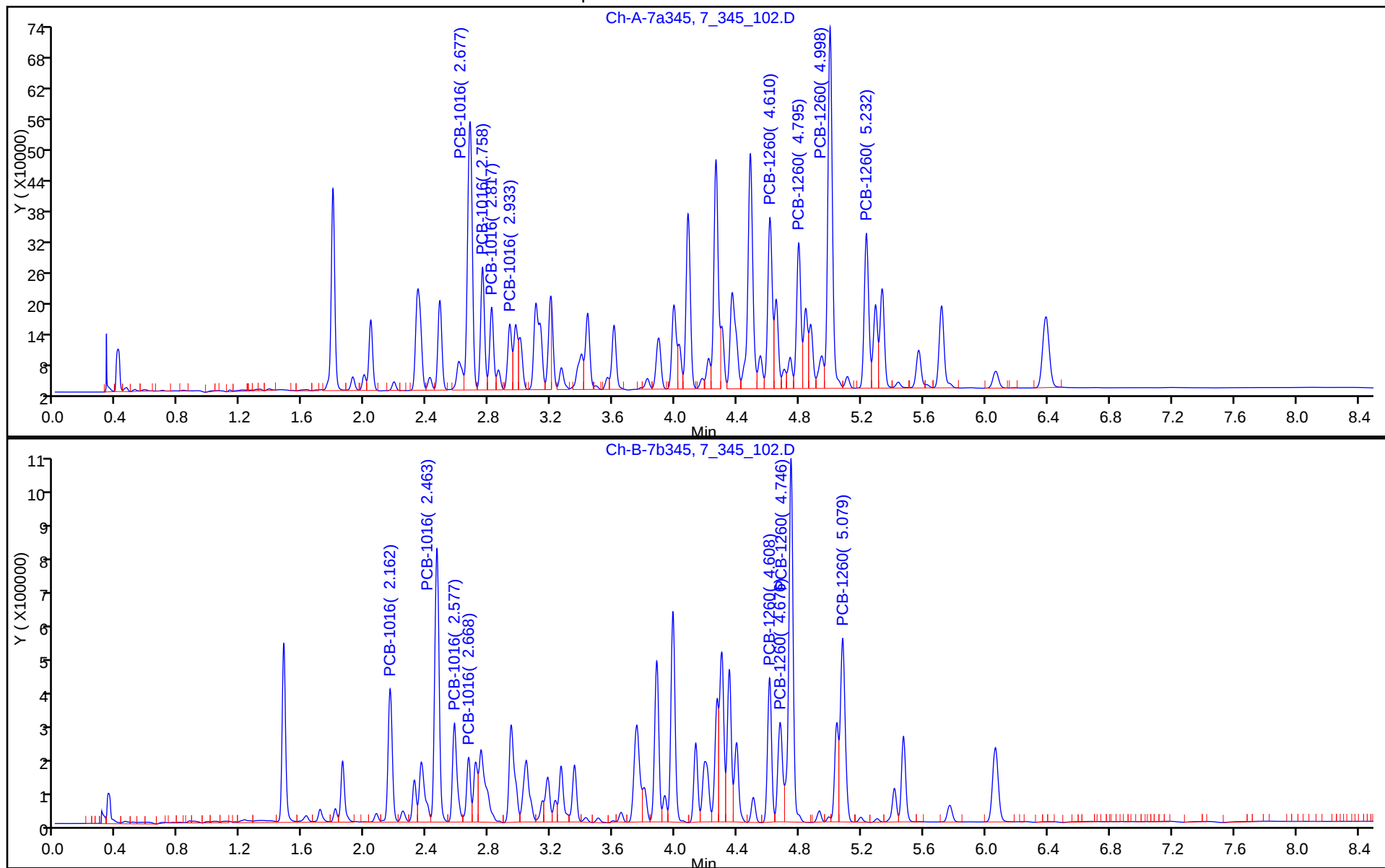
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP6890-07\\20140824-34829.b\\7_345_102.D

Injection Date: 25-Aug-2014 13:31:10

Instrument ID: HP6890-7

Lims ID: LCSD 480-199292/3-A

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 102

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

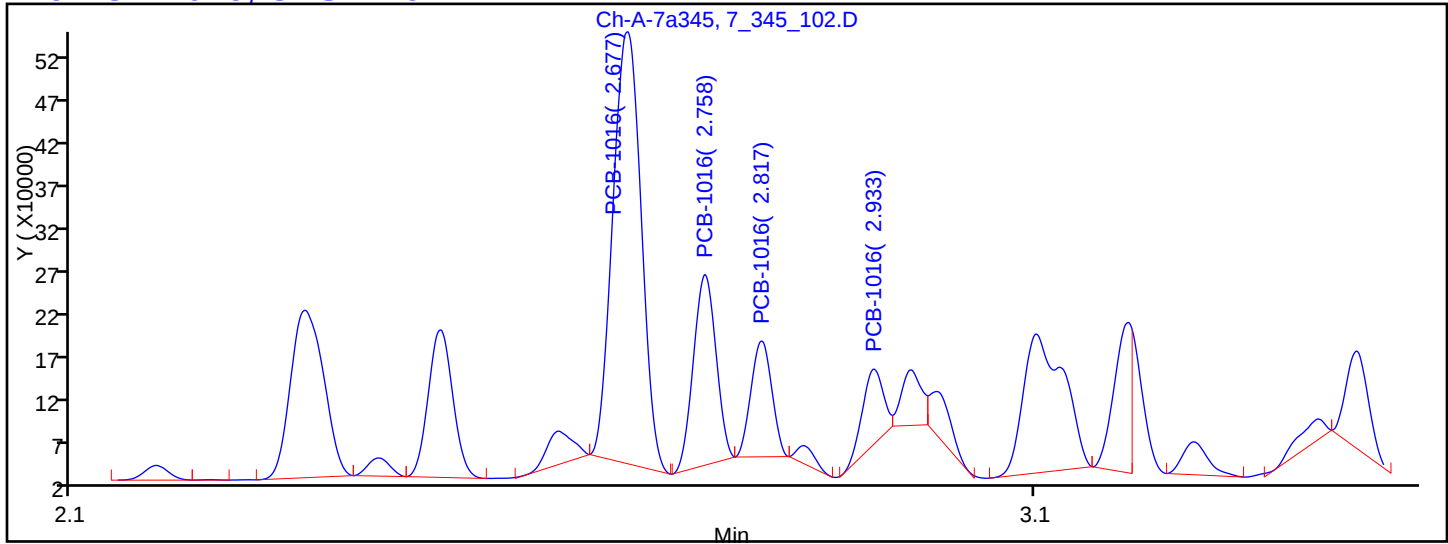
Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

Column:

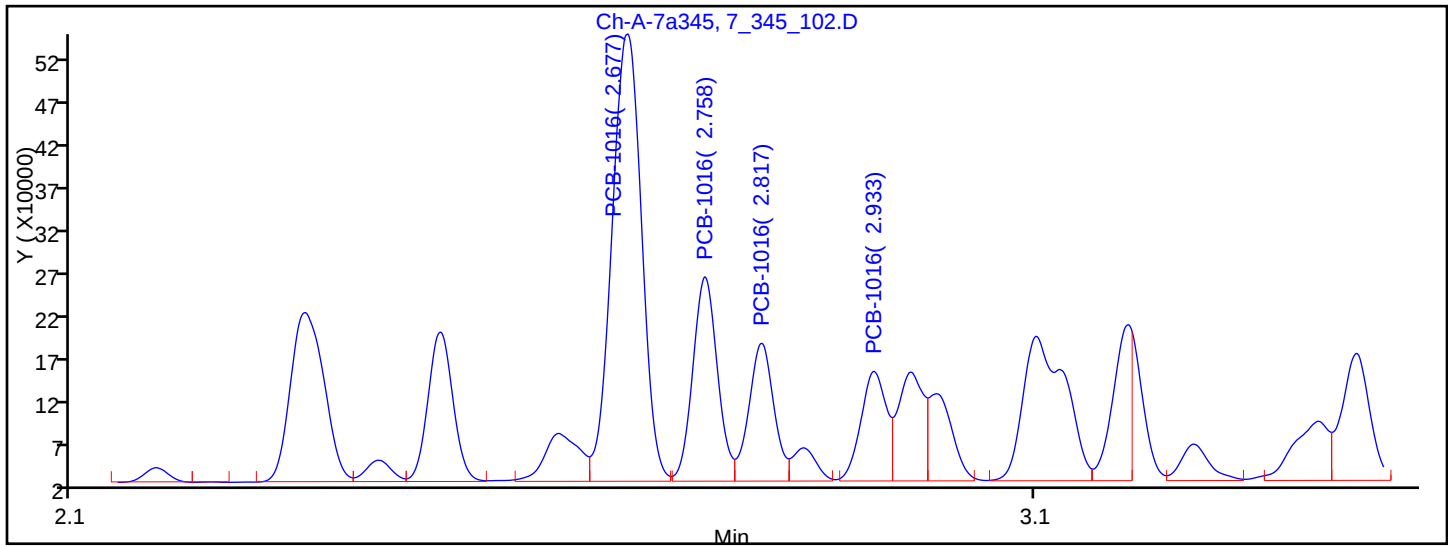
Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.677	Response = 1035202	M
RT = 2.758	Response = 364000	M
RT = 2.817	Response = 203688	M
RT = 2.933	Response = 133449	M



Manual Integration Results

RT = 2.677	Response = 1121421	M
RT = 2.758	Response = 424357	M
RT = 2.817	Response = 290884	M
RT = 2.933	Response = 236913	M

Reviewer: eversd, 25-Aug-2014 15:10:39

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_102.D

Injection Date: 25-Aug-2014 13:31:10

Instrument ID: HP6890-7

Lims ID: LCSD 480-199292/3-A

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 102

Injection Vol: 1.0 ul

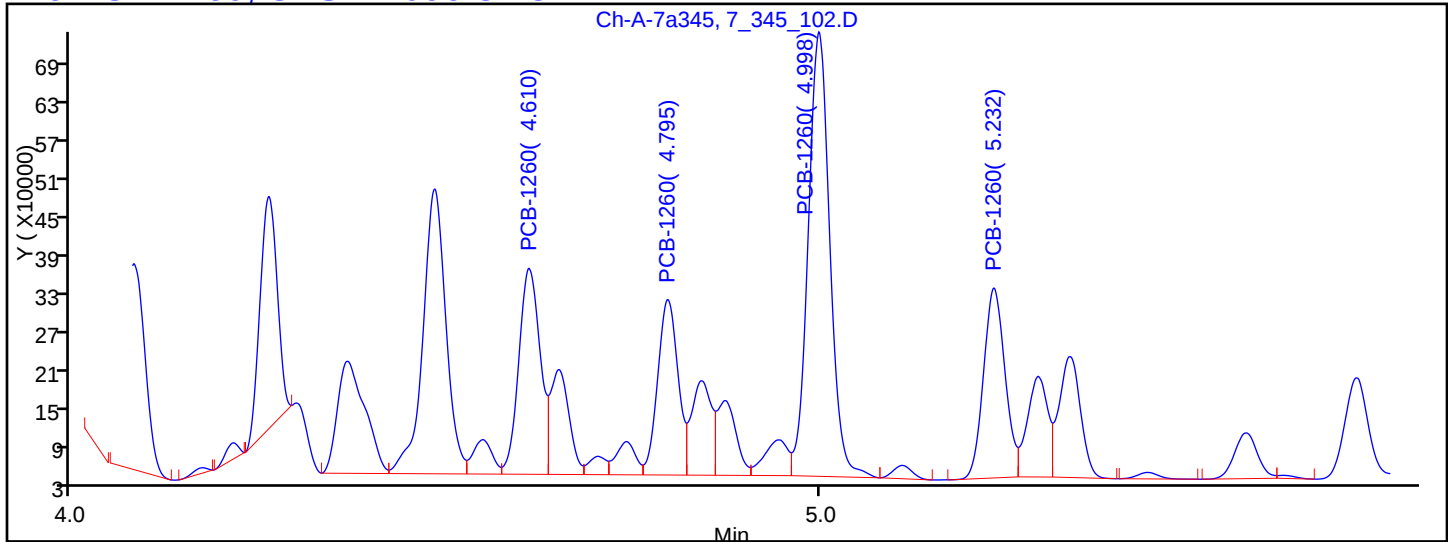
Dil. Factor: 1.0000

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL

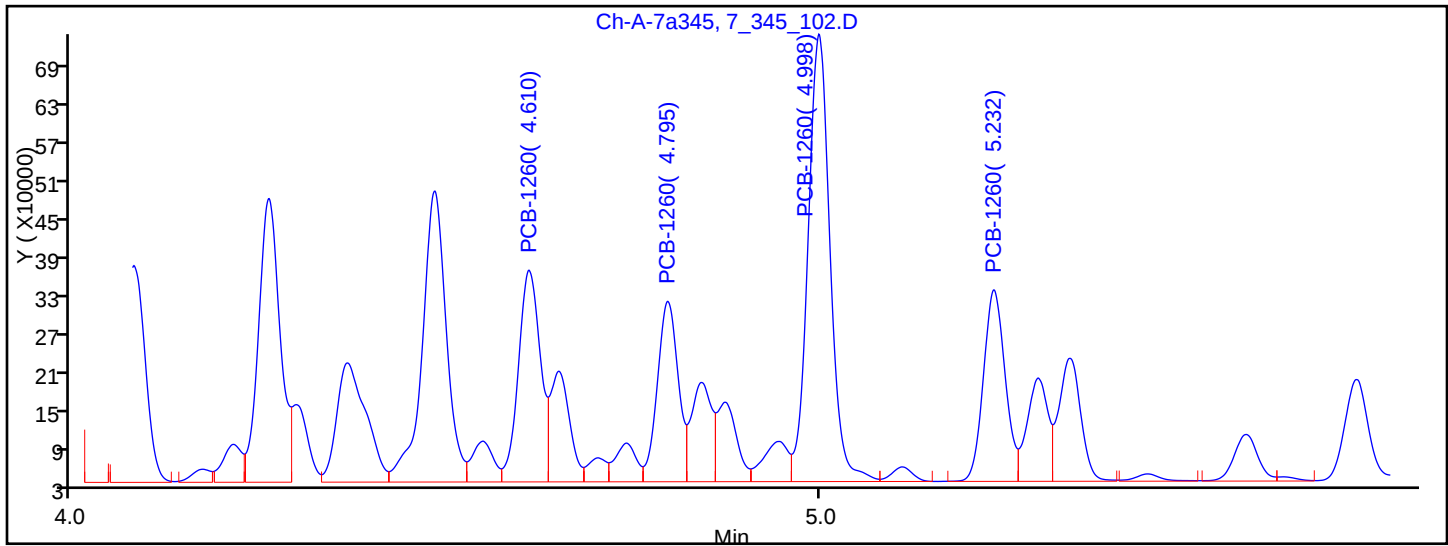
Column:

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.610	Response = 644021	M
RT = 4.795	Response = 520597	M
RT = 4.998	Response = 1402031	M
RT = 5.232	Response = 595288	M



Manual Integration Results

RT = 4.610	Response = 680302	M
RT = 4.795	Response = 549523	M
RT = 4.998	Response = 1439171	M
RT = 5.232	Response = 608404	M

Reviewer: eversd, 25-Aug-2014 15:10:39

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

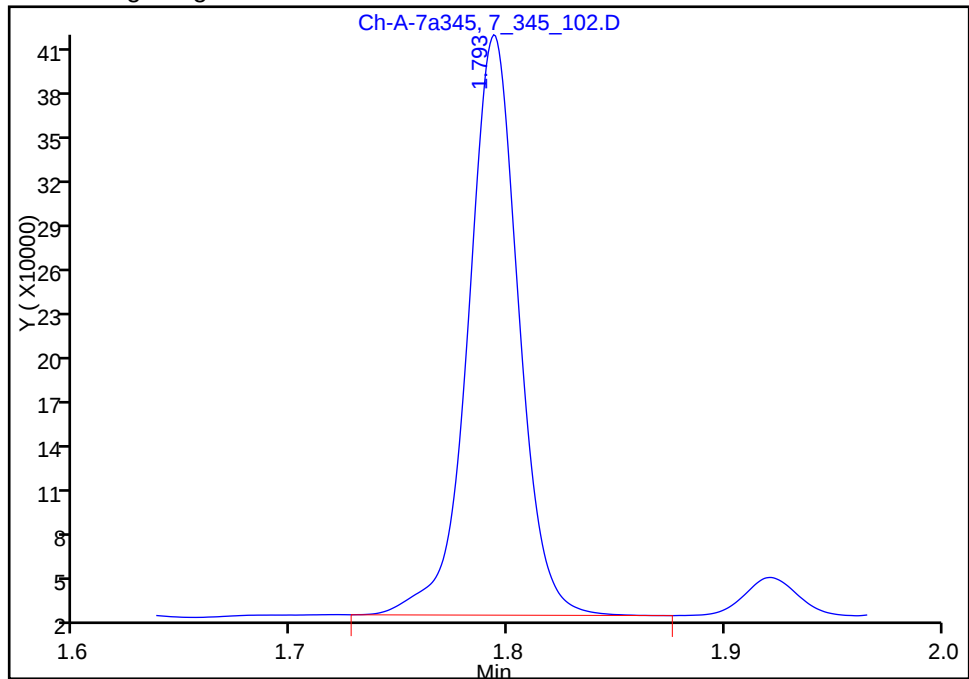
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_102.D		
Injection Date:	25-Aug-2014 13:31:10	Instrument ID:	HP6890-7
Lims ID:	LCSD 480-199292/3-A		
Client ID:			
Operator ID:	buftchrom	ALS Bottle#:	0
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	HP7-PCBS	Limit Group:	GC - 8082A PCB ICAL
Column:		Detector:	Ch-A-7A136
		Worklist Smp#:	102

\$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

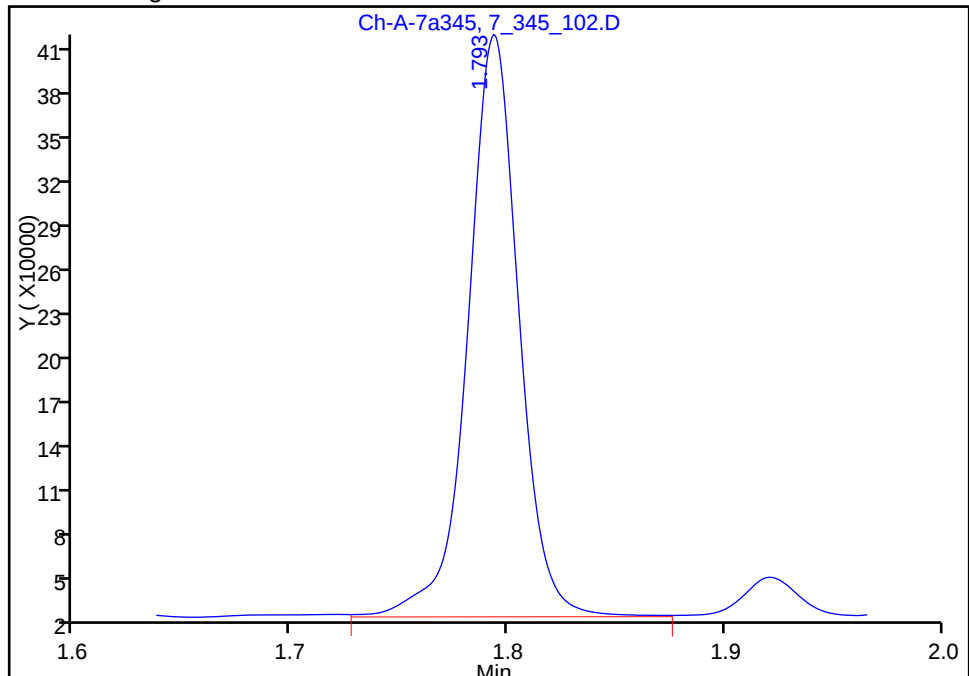
RT: 1.79
Response: 632495
Amount: 0.022139

Processing Integration Results



RT: 1.79
Response: 643367
Amount: 0.022520

Manual Integration Results



Reviewer: eversd, 25-Aug-2014 15:10:39
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 480-199292/3-A
Matrix: Wipe Lab File ID: 7_345_102.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3550C Date Extracted: 08/23/2014 07:37
Sample wt/vol: 1(Wipe) Date Analyzed: 08/25/2014 13:31
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199358 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		57-173
2051-24-3	DCB Decachlorobiphenyl	98		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_102.D
 Lims ID: LCSD 480-199292/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 25-Aug-2014 13:31:10 ALS Bottle#: 0 Worklist Smp#: 102
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP6890-7
 Method: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\HP7-PCBS.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 25-Aug-2014 15:10:39 Calib Date: 09-Jul-2014 17:38:38
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20140709-33625.b\7_338_230.D
 Column 1 : Det: Ch-A-7A136
 Column 2 : Det: Ch-B-7b136
 Process Host: XAWRK017

First Level Reviewer: eversd Date: 25-Aug-2014 15:10:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene M

1	1.793	1.794	-0.001	643367	0.0200	0.0225	M
2	1.476	1.475	0.001	820324	0.0200	0.0198	

RPD = 12.75

6 PCB-1016 M

1	2.677	2.677	0.000	1121421	0.5000	0.5670	M
1	2.758	2.758	0.000	424357	0.5000	0.5577	M
1	2.817	2.817	0.000	290884	0.5000	0.5700	M
1	2.933	2.934	-0.001	236913	0.5000	0.5116	M

Average of Peak Amounts = 0.5516

2	2.162	2.161	0.001	732372	0.5000	0.5408	
2	2.463	2.463	0.000	1585077	0.5000	0.5589	
2	2.577	2.574	0.003	588579	0.5000	0.5469	
2	2.668	2.667	0.001	338251	0.5000	0.5576	

Average of Peak Amounts = 0.5510

RPD = 0.10

9 PCB-1260 M

1	4.610	4.611	-0.001	680302	0.5000	0.8282	M
1	4.795	4.795	0.000	549523	0.5000	0.6932	M
1	4.998	4.998	0.000	1439171	0.5000	0.7341	M
1	5.232	5.232	0.000	608404	0.5000	0.5802	M

Average of Peak Amounts = 0.7089

2	4.608	4.607	0.001	759713	0.5000	0.5378	
2	4.676	4.673	0.003	623362	0.5000	0.5580	
2	4.746	4.744	0.002	2078030	0.5000	0.6469	
2	5.079	5.076	0.003	1170186	0.5000	0.6099	

Average of Peak Amounts = 0.5881

RPD = 18.63

\$ 12 DCB Decachlorobiphenyl

1	6.390	6.389	0.001	412427	0.0200	0.0208	
2	6.063	6.061	0.002	561411	0.0200	0.0195	

Page 280 of 291
RPD = 6.29

09/02/2014

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

COPPER_00047

Amount Added: 1.00

Units: mL

Run Reagent

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-07\20140824-34829.b\7_345_102.D

Injection Date: 25-Aug-2014 13:31:10

Instrument ID: HP6890-7

Operator ID: buftchrom

Lims ID: LCSD 480-199292/3-A

Worklist Smp#: 102

Client ID:

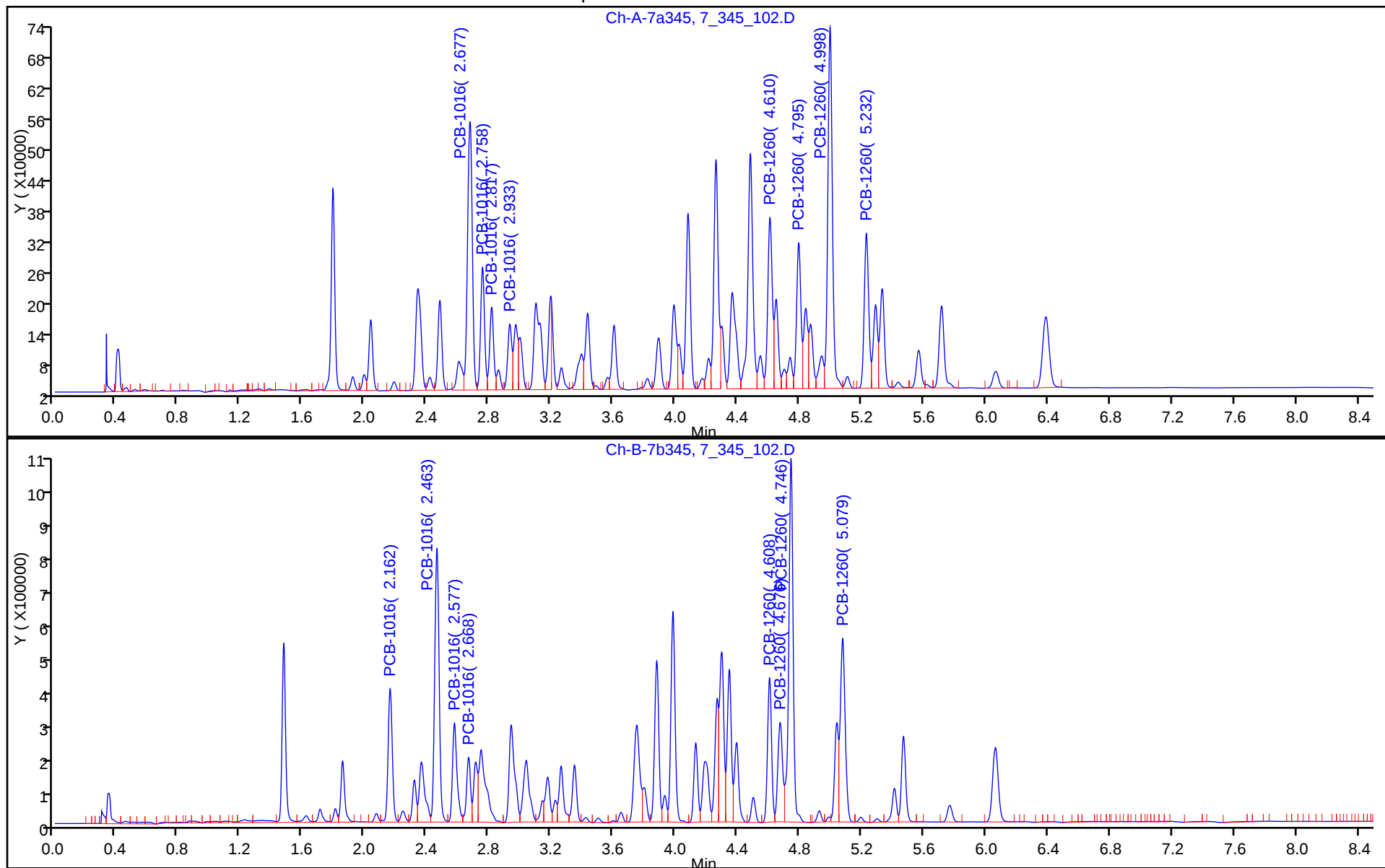
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 0

Method: HP7-PCBS

Limit Group: GC - 8082A PCB ICAL



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-66056-1

SDG No.: _____

Instrument ID: HP6890-7Start Date: 07/09/2014 12:21Analysis Batch Number: 191849End Date: 07/09/2014 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD7 480-191849/1 IC		07/09/2014 12:21	1	7_338_210.D	ZB-5 0.53 (mm)
STD7 480-191849/1 IC		07/09/2014 12:21	1	7_338_210.D	ZB-35 0.53 (mm)
STD6 480-191849/2 IC		07/09/2014 12:36	1	7_338_211.D	ZB-5 0.53 (mm)
STD6 480-191849/2 IC		07/09/2014 12:36	1	7_338_211.D	ZB-35 0.53 (mm)
STD5 480-191849/3 IC		07/09/2014 12:52	1	7_338_212.D	ZB-5 0.53 (mm)
STD5 480-191849/3 IC		07/09/2014 12:52	1	7_338_212.D	ZB-35 0.53 (mm)
STD4 480-191849/4 IC		07/09/2014 13:08	1	7_338_213.D	ZB-5 0.53 (mm)
STD4 480-191849/4 IC		07/09/2014 13:08	1	7_338_213.D	ZB-35 0.53 (mm)
STD3 480-191849/5 IC		07/09/2014 13:24	1	7_338_214.D	ZB-5 0.53 (mm)
STD3 480-191849/5 IC		07/09/2014 13:24	1	7_338_214.D	ZB-35 0.53 (mm)
STD2 480-191849/6 IC		07/09/2014 13:40	1	7_338_215.D	ZB-5 0.53 (mm)
STD2 480-191849/6 IC		07/09/2014 13:40	1	7_338_215.D	ZB-35 0.53 (mm)
STD1 480-191849/7 IC		07/09/2014 13:56	1	7_338_216.D	ZB-5 0.53 (mm)
STD1 480-191849/7 IC		07/09/2014 13:56	1	7_338_216.D	ZB-35 0.53 (mm)
ICV 480-191849/8		07/09/2014 14:12	1		ZB-5 0.53 (mm)
ICV 480-191849/8		07/09/2014 14:12	1		ZB-35 0.53 (mm)
STD21 480-191849/9 IC		07/09/2014 14:28	1	7_338_218.D	ZB-5 0.53 (mm)
STD21 480-191849/9 IC		07/09/2014 14:28	1	7_338_218.D	ZB-35 0.53 (mm)
ICV 480-191849/10		07/09/2014 14:43	1		ZB-5 0.53 (mm)
ICV 480-191849/10		07/09/2014 14:43	1		ZB-35 0.53 (mm)
STD32 480-191849/11 IC		07/09/2014 14:59	1	7_338_220.D	ZB-5 0.53 (mm)
STD32 480-191849/11 IC		07/09/2014 14:59	1	7_338_220.D	ZB-35 0.53 (mm)
ICV 480-191849/12		07/09/2014 15:15	1		ZB-5 0.53 (mm)
ICV 480-191849/12		07/09/2014 15:15	1		ZB-35 0.53 (mm)
STD42 480-191849/13 IC		07/09/2014 15:31	1	7_338_222.D	ZB-5 0.53 (mm)
STD42 480-191849/13 IC		07/09/2014 15:31	1	7_338_222.D	ZB-35 0.53 (mm)
ICV 480-191849/14		07/09/2014 15:47	1		ZB-5 0.53 (mm)
ICV 480-191849/14		07/09/2014 15:47	1		ZB-35 0.53 (mm)
STD48 480-191849/15 IC		07/09/2014 16:03	1	7_338_224.D	ZB-5 0.53 (mm)
STD48 480-191849/15 IC		07/09/2014 16:03	1	7_338_224.D	ZB-35 0.53 (mm)
ICV 480-191849/16		07/09/2014 16:19	1		ZB-5 0.53 (mm)
ICV 480-191849/16		07/09/2014 16:19	1		ZB-35 0.53 (mm)
STD54 480-191849/17 IC		07/09/2014 16:35	1	7_338_226.D	ZB-5 0.53 (mm)
STD54 480-191849/17 IC		07/09/2014 16:35	1	7_338_226.D	ZB-35 0.53 (mm)
ICV 480-191849/18		07/09/2014 16:50	1		ZB-5 0.53 (mm)
ICV 480-191849/18		07/09/2014 16:50	1		ZB-35 0.53 (mm)
STD62 480-191849/19 IC		07/09/2014 17:06	1		ZB-5 0.53 (mm)
STD62 480-191849/19 IC		07/09/2014 17:06	1		ZB-35 0.53 (mm)
ICV 480-191849/20		07/09/2014 17:22	1		ZB-5 0.53 (mm)
ICV 480-191849/20		07/09/2014 17:22	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1

SDG No.: _____

Instrument ID: HP6890-7 Start Date: 07/09/2014 12:21Analysis Batch Number: 191849 End Date: 07/09/2014 17:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD68 480-191849/21 IC		07/09/2014 17:38	1		ZB-5 0.53 (mm)
STD68 480-191849/21 IC		07/09/2014 17:38	1		ZB-35 0.53 (mm)
ICV 480-191849/22		07/09/2014 17:54	1		ZB-5 0.53 (mm)
ICV 480-191849/22		07/09/2014 17:54	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-66056-1

SDG No.: _____

Instrument ID: HP6890-7Start Date: 08/24/2014 12:59Analysis Batch Number: 199358End Date: 08/25/2014 15:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-199358/12		08/24/2014 12:59	1		ZB-5 0.53 (mm)
CCV 480-199358/12		08/24/2014 12:59	1		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 13:31	1		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 13:31	1		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 13:47	1		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 13:47	1		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 14:03	1		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 14:03	1		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 14:19	1		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 14:19	1		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 14:34	5		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 14:34	5		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 14:50	1		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 14:50	1		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 15:06	5		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 15:06	5		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 15:22	1		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 15:22	1		ZB-35 0.53 (mm)
ZZZZZ		08/24/2014 15:38	1		ZB-5 0.53 (mm)
ZZZZZ		08/24/2014 15:38	1		ZB-35 0.53 (mm)
CCV 480-199358/24		08/24/2014 16:10	1	7_345_024.D	ZB-5 0.53 (mm)
CCV 480-199358/24		08/24/2014 16:10	1	7_345_024.D	ZB-35 0.53 (mm)
CCV 480-199358/40		08/24/2014 20:24	1	7_345_040.D	ZB-5 0.53 (mm)
CCV 480-199358/40		08/24/2014 20:24	1	7_345_040.D	ZB-35 0.53 (mm)
480-66056-8	AS-DECON-EX-004 Track	08/24/2014 20:55	1	7_345_042.D	ZB-5 0.53 (mm)
480-66056-8	AS-DECON-EX-004 Track	08/24/2014 20:55	1	7_345_042.D	ZB-35 0.53 (mm)
480-66056-9	AS-DECON-EX1-001 Bucket	08/24/2014 21:11	1	7_345_043.D	ZB-5 0.53 (mm)
480-66056-9	AS-DECON-EX1-001 Bucket	08/24/2014 21:11	1	7_345_043.D	ZB-35 0.53 (mm)
CCV 480-199358/44		08/24/2014 21:27	1	7_345_044.D	ZB-5 0.53 (mm)
CCV 480-199358/44		08/24/2014 21:27	1	7_345_044.D	ZB-35 0.53 (mm)
CCV 480-199358/98		08/25/2014 12:27	1	7_345_098.D	ZB-5 0.53 (mm)
CCV 480-199358/98		08/25/2014 12:27	1	7_345_098.D	ZB-35 0.53 (mm)
MB 480-199292/1-A		08/25/2014 12:59	1	7_345_100.D	ZB-5 0.53 (mm)
MB 480-199292/1-A		08/25/2014 12:59	1	7_345_100.D	ZB-35 0.53 (mm)
LCS 480-199292/2-A		08/25/2014 13:15	1	7_345_101.D	ZB-5 0.53 (mm)
LCS 480-199292/2-A		08/25/2014 13:15	1	7_345_101.D	ZB-35 0.53 (mm)
LCSD 480-199292/3-A		08/25/2014 13:31	1	7_345_102.D	ZB-5 0.53 (mm)
LCSD 480-199292/3-A		08/25/2014 13:31	1	7_345_102.D	ZB-35 0.53 (mm)
480-66056-1	AS-DECON-WL-001 Bucket	08/25/2014 13:47	1	7_345_103.D	ZB-5 0.53 (mm)
480-66056-1	AS-DECON-WL-001 Bucket	08/25/2014 13:47	1	7_345_103.D	ZB-35 0.53 (mm)
480-66056-2	AS-DECON-WL-002 Tire	08/25/2014 14:03	1	7_345_104.D	ZB-5 0.53 (mm)
480-66056-2	AS-DECON-WL-002 Tire	08/25/2014 14:03	1	7_345_104.D	ZB-35 0.53 (mm)
480-66056-3	AS-DECON-WL-003 Tire	08/25/2014 14:18	1	7_345_105.D	ZB-5 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1

SDG No.: _____

Instrument ID: HP6890-7 Start Date: 08/24/2014 12:59Analysis Batch Number: 199358 End Date: 08/25/2014 15:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-66056-3	AS-DECON-WL-003 Tire	08/25/2014 14:18	1	7_345_105.D	ZB-35 0.53 (mm)
480-66056-4	AS-DECON-WL-004 Frame	08/25/2014 14:34	1	7_345_106.D	ZB-5 0.53 (mm)
480-66056-4	AS-DECON-WL-004 Frame	08/25/2014 14:34	1	7_345_106.D	ZB-35 0.53 (mm)
480-66056-5	AS-DECON-EX-001 Track	08/25/2014 14:50	1	7_345_107.D	ZB-5 0.53 (mm)
480-66056-5	AS-DECON-EX-001 Track	08/25/2014 14:50	1	7_345_107.D	ZB-35 0.53 (mm)
480-66056-6	AS-DECON-EX-002 Bucket	08/25/2014 15:06	1	7_345_108.D	ZB-5 0.53 (mm)
480-66056-6	AS-DECON-EX-002 Bucket	08/25/2014 15:06	1	7_345_108.D	ZB-35 0.53 (mm)
480-66056-7	AS-DECON-EX-003 Frame	08/25/2014 15:22	1	7_345_109.D	ZB-5 0.53 (mm)
480-66056-7	AS-DECON-EX-003 Frame	08/25/2014 15:22	1	7_345_109.D	ZB-35 0.53 (mm)
CCV 480-199358/110		08/25/2014 15:38	1	7_345_110.D	ZB-5 0.53 (mm)
CCV 480-199358/110		08/25/2014 15:38	1	7_345_110.D	ZB-35 0.53 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1

SDG No.: _____

Batch Number: 199292 Batch Start Date: 08/23/14 07:37 Batch Analyst: Salverson, Jessica LBatch Method: 3550C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8082WipeSur 00018	O_8082Wspike 00022	
MB 480-199292/1		3550C, 8082A		CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
LCS 480-199292/2		3550C, 8082A		CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL	1 mL	
LCSD 480-199292/3		3550C, 8082A		CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL	1 mL	
480-66056-A-1	AS-DECON-WL-001 Bucket	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-2	AS-DECON-WL-002 Tire	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-3	AS-DECON-WL-003 Tire	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-4	AS-DECON-WL-004 Frame	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-5	AS-DECON-EX-001 Track	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-6	AS-DECON-EX-002 Bucket	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-7	AS-DECON-EX-003 Frame	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-8	AS-DECON-EX-004 Track	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-66056-A-9	AS-DECON-EX1-001 Bucket	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric 0000068555
Analyst performed Clean Up	JS 8/23/14
Na2SO4 Lot Number	27864006
Nominal Amount Used	1 Wipe
Prep Solvent Lot #	0000079469
Prep Solvent Name	Hexane
Prep Solvent Volume Used	40
Person's name who witnessed reagent drop	JS
Perform Calculation (0=No, 1=Yes)	0

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-66056-1

SDG No.: _____

Batch Number: 199292 Batch Start Date: 08/23/14 07:37 Batch Analyst: Salverson, Jessica LBatch Method: 3550C Batch End Date: _____

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

Client Information Company: Mr. Scott Clary Address: 590 A Gallery Road City: Cranberry Township State, Zip: PA, 16066 Phone: 724-538-8522(Tel) Email: scott@horizonenviro.net Project Name: Altech Specialty Steel, Dunkirk, NY Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carrier Tracking No(s): COC No: 480-53918-14284.2 Page: Page 2 of 2 Job #:	
Analysis Requested Due Date Requested: TAT Requested (days): 1 DAY TAT PO #: Purchase Order not required WO #: 48009222 Project #: 48009222 SSOW#:		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: CAT B ASPDCL Special Instructions/Note: 1-402. JAR	
Sample Identification Sample ID: AS-DECON-WL-001 Buck 8-21-14 Sample ID: AS-DECON-WL-002 TAO Sample ID: AS-DECON-WL-003 TAO Sample ID: AS-DECON-WL-004 TAO Sample ID: AS-DECON-EX-001 Buck 8/22/14 Sample ID: AS-DECON-EX-002 Buck 8/22/14 Sample ID: AS-DECON-EX-003 TAO Sample ID: AS-DECON-EX-004 TAO Sample ID: AS-DECON-EX-001 Buck 10/45		Matrix (W=Water, S=Solid, O=Other) Sample Type (C=Comp, G=Grab) Sample Time Sample Date Preservation Code Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8082A - PCBs Total Number of Containers Special Instructions/Note: 1-402. JAR 5-Lined not Examined	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:	
Empty Kit Relinquished by: Relinquished by: [Signature] Date/Time: 8/22/14 9:00am Company: TEB Relinquished by: [Signature] Date/Time: 8/22/14 1:55 Company: TEB Relinquished by: [Signature] Date/Time: 8/22/14 1:55 Company: TEB		Method of Shipment: Date/Time: 8/22/14 11:40 Company: TEB Date/Time: 8/22/14 1:55 Company: TEB Date/Time: 8/22/14 1:55 Company: TEB Cooler Temperature(s) °C and Other Remarks: #2 4.1	

Login Sample Receipt Checklist

Client: Horizon Environmental Services

Job Number: 480-66056-1

Login Number: 66056

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
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.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	hes
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-72548-1

Job Description: Altech Specialty Steel; Dunkirk, NY

For:

Horizon Environmental Services
590 A Callery Road
Cranberry Township, PA 16066
Attention: Mr. Scott Clary



Approved for release.
Rebecca M Jones
Project Management Assistant I
12/11/2014 4:20 PM

Designee for
Melissa L Deyo, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9874
melissa.deyo@testamericainc.com
12/11/2014

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

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Job Narrative
480-72548-1

Receipt

The samples were received on 12/5/2014 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.0° C.

GC Semi VOA

Method(s) 8082A: All primary data is reported from the ZB-35 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Horizon Environmental Services

Job Number: 480-72548-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-72548-1	AS-DECON-12-01	Wipe	12/04/2014 1430	12/05/2014 1500
480-72548-2	AS-DECON-12-02	Wipe	12/04/2014 1430	12/05/2014 1500
480-72548-3	AS-DECON-12-03	Wipe	12/04/2014 1430	12/05/2014 1500
480-72548-4	AS-DECON-12-04	Wipe	12/04/2014 1430	12/05/2014 1500

EXECUTIVE SUMMARY - Detections

Client: Horizon Environmental Services

Job Number: 480-72548-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
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No Detections

METHOD SUMMARY

Client: Horizon Environmental Services

Job Number: 480-72548-1

Description	Lab Location	Method	Preparation Method
Matrix: Wipe			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082A	
Ultrasonic Extraction	TAL BUF		SW846 3550C

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

METHOD / ANALYST SUMMARY

Client: Horizon Environmental Services

Job Number: 480-72548-1

Method	Analyst	Analyst ID
SW846 8082A	Evers, David L	DLE

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-01

Lab Sample ID: 480-72548-1

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1055			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	128		57 - 173
DCB Decachlorobiphenyl	127		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-01

Lab Sample ID: 480-72548-1

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1055			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	105		57 - 173
DCB Decachlorobiphenyl	142		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-02

Lab Sample ID: 480-72548-2

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1110			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	127		57 - 173
DCB Decachlorobiphenyl	127		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-02

Lab Sample ID: 480-72548-2

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1110			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	102		57 - 173
DCB Decachlorobiphenyl	139		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-03

Lab Sample ID: 480-72548-3

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1125			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	132		57 - 173
DCB Decachlorobiphenyl	130		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-03

Lab Sample ID: 480-72548-3

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1125			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		57 - 173
DCB Decachlorobiphenyl	147		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-04

Lab Sample ID: 480-72548-4

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1140			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	PRIMARY

Analyte	Result (ug/Wipe)	Qualifier	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	126		57 - 173
DCB Decachlorobiphenyl	127		59 - 171

Analytical Data

Client: Horizon Environmental Services

Job Number: 480-72548-1

Client Sample ID: AS-DECON-12-04

Lab Sample ID: 480-72548-4

Date Sampled: 12/04/2014 1430

Client Matrix: Wipe

Date Received: 12/05/2014 1500

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Prep Method:	3550C	Prep Batch:	480-217607	Initial Weight/Volume:	1 Wipe
Dilution:	1.0			Final Weight/Volume:	40 mL
Analysis Date:	12/08/2014 1140			Injection Volume:	1 uL
Prep Date:	12/05/2014 1938			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	103		57 - 173
DCB Decachlorobiphenyl	142		59 - 171

Client: Horizon Environmental Services

Job Number: 480-72548-1

Surrogate Recovery Report**8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography****Client Matrix: Wipe**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
480-72548-1	AS-DECON-12-01	105	128	142	127
480-72548-2	AS-DECON-12-02	102	127	139	127
480-72548-3	AS-DECON-12-03	110	132	147	130
480-72548-4	AS-DECON-12-04	103	126	142	127
MB 480-217607/1-A		101	122	134	123
LCS 480-217607/2-A		113	118	132	117
LCSD 480-217607/3-A		104	114	127	114

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	57-173
DCB = DCB Decachlorobiphenyl	59-171

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-72548-1

Method Blank - Batch: 480-217607

Method: 8082A

Preparation: 3550C

Lab Sample ID: MB 480-217607/1-A
 Client Matrix: Wipe
 Dilution: 1.0
 Analysis Date: 12/08/2014 1010
 Prep Date: 12/05/2014 1938
 Leach Date: N/A

Analysis Batch: 480-217703
 Prep Batch: 480-217607
 Leach Batch: N/A
 Units: ug/Wipe

Instrument ID: HP5890-12
 Lab File ID: 12_317_125.D
 Initial Weight/Volume: 1 Wipe
 Final Weight/Volume: 40 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.18	1.0
PCB-1221	ND		0.18	1.0
PCB-1232	ND		0.18	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.18	1.0
PCB-1254	ND		0.25	1.0
PCB-1260	ND		0.25	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	122	57 - 173
DCB Decachlorobiphenyl	123	59 - 171

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	101	57 - 173
DCB Decachlorobiphenyl	134	59 - 171

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-72548-1

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 480-217607

Method: 8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 480-217607/2-A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Client Matrix:	Wipe	Prep Batch:	480-217607	Lab File ID:	12_317_126.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 Wipe
Analysis Date:	12/08/2014 1025	Units:	ug/Wipe	Final Weight/Volume:	40 mL
Prep Date:	12/05/2014 1938			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 480-217607/3-A	Analysis Batch:	480-217703	Instrument ID:	HP5890-12
Client Matrix:	Wipe	Prep Batch:	480-217607	Lab File ID:	12_317_127.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 Wipe
Analysis Date:	12/08/2014 1040	Units:	ug/Wipe	Final Weight/Volume:	40 mL
Prep Date:	12/05/2014 1938			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	132	129	54 - 182	2	50		
PCB-1260	132	131	53 - 187	1	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	118		114		57 - 173		
DCB Decachlorobiphenyl	117		114		59 - 171		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	113		104		57 - 173		
DCB Decachlorobiphenyl	132		127		59 - 171		

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 480-217607

Method: 8082A
Preparation: 3550C

LCS Lab Sample ID:	LCS 480-217607/2-A	Units:	ug/Wipe	LCSD Lab Sample ID:	LCSD 480-217607/3-A
Client Matrix:	Wipe			Client Matrix:	Wipe
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/08/2014 1025			Analysis Date:	12/08/2014 1040
Prep Date:	12/05/2014 1938			Prep Date:	12/05/2014 1938
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	20.0	20.0	26.4	25.9
PCB-1260	20.0	20.0	26.4	26.1

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description
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Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-72548-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-217607					
LCS 480-217607/2-A	Lab Control Sample	T	Wipe	3550C	
LCSD 480-217607/3-A	Lab Control Sample Duplicate	T	Wipe	3550C	
MB 480-217607/1-A	Method Blank	T	Wipe	3550C	
480-72548-1	AS-DECON-12-01	T	Wipe	3550C	
480-72548-2	AS-DECON-12-02	T	Wipe	3550C	
480-72548-3	AS-DECON-12-03	T	Wipe	3550C	
480-72548-4	AS-DECON-12-04	T	Wipe	3550C	
Analysis Batch:480-217703					
LCS 480-217607/2-A	Lab Control Sample	T	Wipe	8082A	480-217607
LCSD 480-217607/3-A	Lab Control Sample Duplicate	T	Wipe	8082A	480-217607
MB 480-217607/1-A	Method Blank	T	Wipe	8082A	480-217607
480-72548-1	AS-DECON-12-01	T	Wipe	8082A	480-217607
480-72548-2	AS-DECON-12-02	T	Wipe	8082A	480-217607
480-72548-3	AS-DECON-12-03	T	Wipe	8082A	480-217607
480-72548-4	AS-DECON-12-04	T	Wipe	8082A	480-217607

Report Basis

T = Total

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-72548-1

Laboratory Chronicle

Lab ID: 480-72548-1

Client ID: AS-DECON-12-01

Sample Date/Time: 12/04/2014 14:30

Received Date/Time: 12/05/2014 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-72548-A-1-A		480-217703	480-217607	12/05/2014 19:38	1	TAL BUF	CPH
A:8082A	480-72548-A-1-A		480-217703	480-217607	12/08/2014 10:55	1	TAL BUF	DLE

Lab ID: 480-72548-2

Client ID: AS-DECON-12-02

Sample Date/Time: 12/04/2014 14:30

Received Date/Time: 12/05/2014 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-72548-A-2-A		480-217703	480-217607	12/05/2014 19:38	1	TAL BUF	CPH
A:8082A	480-72548-A-2-A		480-217703	480-217607	12/08/2014 11:10	1	TAL BUF	DLE

Lab ID: 480-72548-3

Client ID: AS-DECON-12-03

Sample Date/Time: 12/04/2014 14:30

Received Date/Time: 12/05/2014 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-72548-A-3-A		480-217703	480-217607	12/05/2014 19:38	1	TAL BUF	CPH
A:8082A	480-72548-A-3-A		480-217703	480-217607	12/08/2014 11:25	1	TAL BUF	DLE

Lab ID: 480-72548-4

Client ID: AS-DECON-12-04

Sample Date/Time: 12/04/2014 14:30

Received Date/Time: 12/05/2014 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	480-72548-A-4-A		480-217703	480-217607	12/05/2014 19:38	1	TAL BUF	CPH
A:8082A	480-72548-A-4-A		480-217703	480-217607	12/08/2014 11:40	1	TAL BUF	DLE

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	MB 480-217607/1-A		480-217703	480-217607	12/05/2014 19:38	1	TAL BUF	CPH
A:8082A	MB 480-217607/1-A		480-217703	480-217607	12/08/2014 10:10	1	TAL BUF	DLE

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCS 480-217607/2-A		480-217703	480-217607	12/05/2014 19:38	1	TAL BUF	CPH
A:8082A	LCS 480-217607/2-A		480-217703	480-217607	12/08/2014 10:25	1	TAL BUF	DLE

Quality Control Results

Client: Horizon Environmental Services

Job Number: 480-72548-1

Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550C	LCSD 480-217607/3-A		480-217703	480-217607	12/05/2014 19:38	1	TAL BUF	CPH
A:8082A	LCSD 480-217607/3-A		480-217703	480-217607	12/08/2014 10:40	1	TAL BUF	DLE

Lab References:

TAL BUF = TestAmerica Buffalo

Method 8082A

Polychlorinated Biphenyls (PCBs)
(GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1

SDG No.: _____

Matrix: Wipe Level: Low

GC Column (1): ZB-5 ID: 0.25 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
AS-DECON-12-01	480-72548-1	105	128	142	127
AS-DECON-12-02	480-72548-2	102	127	139	127
AS-DECON-12-03	480-72548-3	110	132	147	130
AS-DECON-12-04	480-72548-4	103	126	142	127
	MB 480-217607/1-A	101	122	134	123
	LCS 480-217607/2-A	113	118	132	117
	LCSD 480-217607/3-A	104	114	127	114

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
57-173
59-171

Column to be used to flag recovery values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Matrix: Wipe Level: Low Lab File ID: 12_317_126.D
Lab ID: LCS 480-217607/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Wipe)	LCS CONCENTRATION (ug/Wipe)	LCS % REC	QC LIMITS REC	#
PCB-1016	20.0	26.4	132	54-182	
PCB-1260	20.0	26.4	132	53-187	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Matrix: Wipe Level: Low Lab File ID: 12_317_127.D
Lab ID: LCSD 480-217607/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Wipe)	LCSD CONCENTRATION (ug/Wipe)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	20.0	25.9	129	2	50	54-182	
PCB-1260	20.0	26.1	131	1	50	53-187	

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Lab Sample ID: MB 480-217607/1-A
Matrix: Wipe Date Extracted: 12/05/2014 19:38
Lab File ID: (1) 12_317_125.D Lab File ID: (2) 12_317_125.D
Date Analyzed: (1) 12/08/2014 10:10 Date Analyzed: (2) 12/08/2014 10:10
Instrument ID: (1) HP5890-12 Instrument ID: (2) HP5890-12
GC Column: (1) ZB-5 ID: 0.25 (mm) GC Column: (2) ZB-35 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE		DATE	
		ANALYZED 1		ANALYZED 2	
	LCS 480-217607/2-A	12/08/2014	10:25	12/08/2014	10:25
	LCSD 480-217607/3-A	12/08/2014	10:40	12/08/2014	10:40
AS-DECON-12-01	480-72548-1	12/08/2014	10:55	12/08/2014	10:55
AS-DECON-12-02	480-72548-2	12/08/2014	11:10	12/08/2014	11:10
AS-DECON-12-03	480-72548-3	12/08/2014	11:25	12/08/2014	11:25
AS-DECON-12-04	480-72548-4	12/08/2014	11:40	12/08/2014	11:40

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-217607/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 12/08/2014 10:25 Date Analyzed (2): 12/08/2014 10:25

GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.30	2.27	2.33	22.9	22.0	18.5
		2	2.44	2.41	2.47	21.4		
		3	2.63	2.60	2.66	21.3		
		4	2.71	2.68	2.74	22.2		
	2	1	2.21	2.18	2.24	30.7	26.4	
		2	2.30	2.27	2.33	25.7		
		3	2.41	2.38	2.44	25.0		
		4	2.77	2.74	2.80	24.4		
PCB-1260	1	1	4.21	4.18	4.24	20.4	23.1	13.0
		2	4.43	4.40	4.46	19.8		
		3	4.56	4.53	4.59	27.6		
		4	4.94	4.91	4.97	24.7		
	2	1	4.07	4.04	4.10	22.0	26.4	
		2	4.37	4.34	4.40	28.0		
		3	4.43	4.40	4.46	28.2		
		4	4.50	4.47	4.53	27.2		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 480-217607/3-A
 Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12
 Date Analyzed (1): 12/08/2014 10:40 Date Analyzed (2): 12/08/2014 10:40
 GC Column (1): ZB-5 ID: 0.25(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.30	2.27	2.33	21.1	20.9	21.2
		2	2.43	2.41	2.47	20.3		
		3	2.63	2.60	2.66	21.0		
		4	2.71	2.68	2.74	21.3		
	2	1	2.20	2.18	2.24	30.5	25.9	
		2	2.30	2.27	2.33	25.1		
		3	2.41	2.38	2.44	24.3		
		4	2.77	2.74	2.80	23.7		
PCB-1260	1	1	4.21	4.18	4.24	20.3	23.0	12.8
		2	4.43	4.40	4.46	19.7		
		3	4.56	4.53	4.59	27.4		
		4	4.94	4.91	4.97	24.6		
	2	1	4.06	4.04	4.10	22.0	26.1	
		2	4.37	4.34	4.40	27.5		
		3	4.43	4.40	4.46	28.3		
		4	4.50	4.47	4.53	26.8		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Client Sample ID: AS-DECON-12-01 Lab Sample ID: 480-72548-1
Matrix: Wipe Lab File ID: 12_317_128.D
Analysis Method: 8082A Date Collected: 12/04/2014 14:30
Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:55
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		57-173
2051-24-3	DCB Decachlorobiphenyl	142		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_128.D
 Lims ID: 480-72548-A-1-A Lab Sample ID: 480-72548-1
 Client ID: AS-DECON-12-01
 Sample Type: Client
 Inject. Date: 08-Dec-2014 10:55:20 ALS Bottle#: 0 Worklist Smp#: 20
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:10:59 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:10:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.754	1.743	0.011	55310	0.0209
2	1.366	1.355	0.011	52144	0.0257

RPD = 20.37

\$ 12 DCB Decachlorobiphenyl

1	6.268	6.268	0.000	68401	0.0284
2	5.701	5.701	0.000	75413	0.0254

RPD = 10.96

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:10:59

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_128.D

Injection Date: 08-Dec-2014 10:55:20

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-1-A

Lab Sample ID: 480-72548-1

Worklist Smp#: 20

Client ID: AS-DECON-12-01

Injection Vol: 1.0 ul

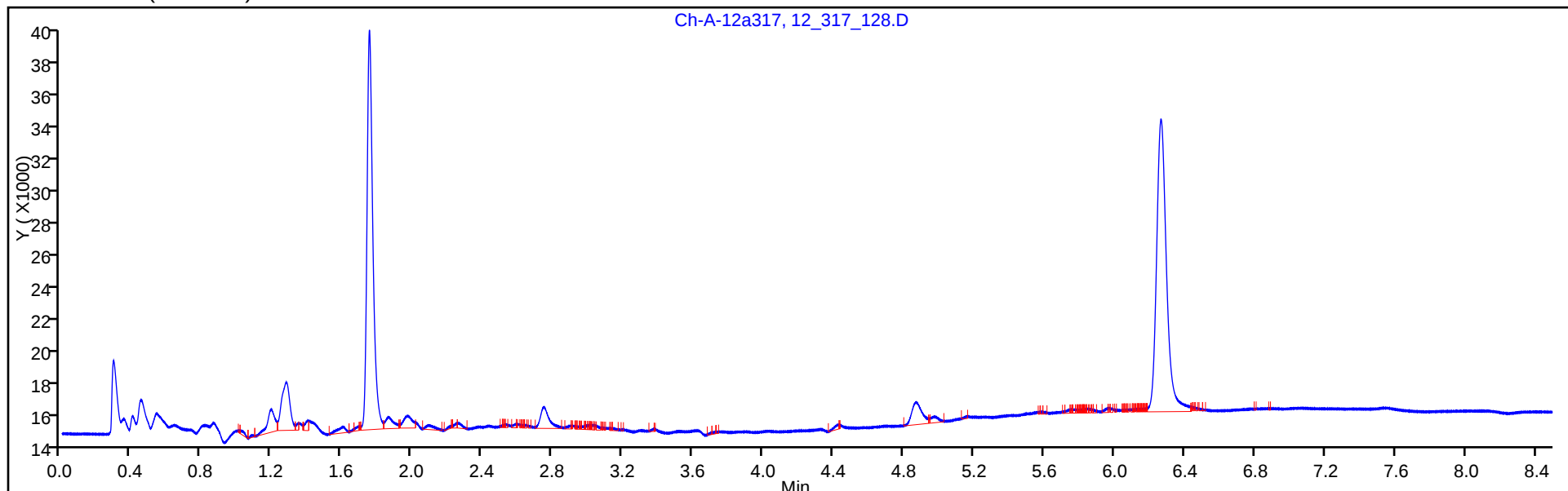
Dil. Factor: 1.0000

ALS Bottle#: 0

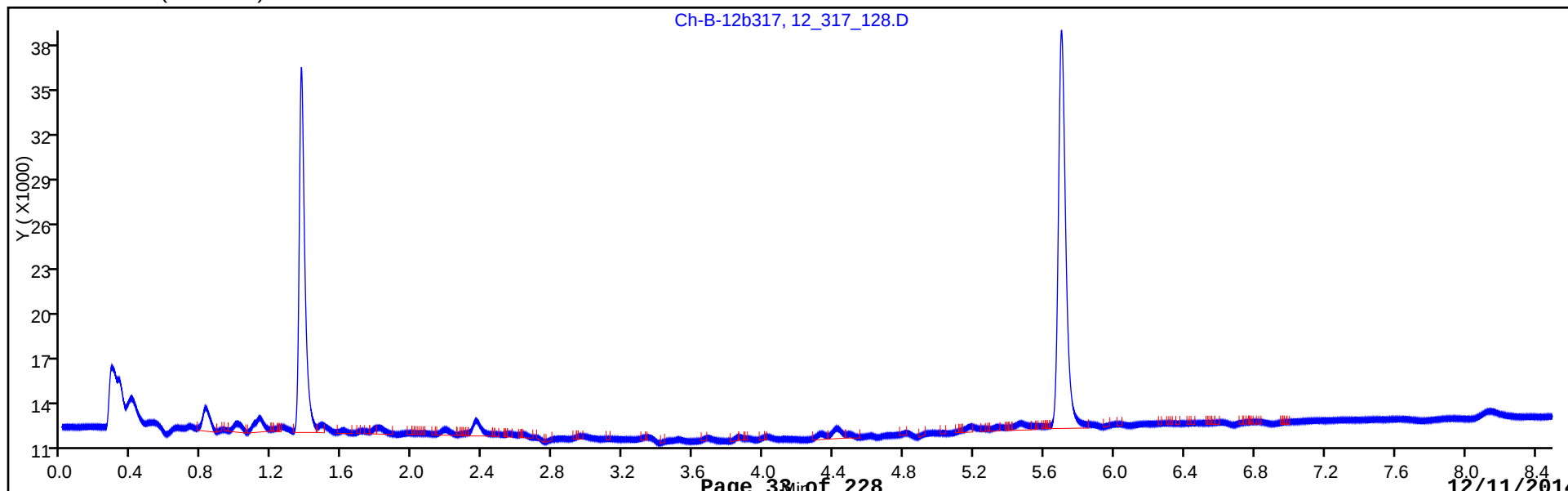
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Client Sample ID: AS-DECON-12-01 Lab Sample ID: 480-72548-1
 Matrix: Wipe Lab File ID: 12_317_128.D
 Analysis Method: 8082A Date Collected: 12/04/2014 14:30
 Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
 Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:55
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	128		57-173
2051-24-3	DCB Decachlorobiphenyl	127		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_128.D
 Lims ID: 480-72548-A-1-A Lab Sample ID: 480-72548-1
 Client ID: AS-DECON-12-01
 Sample Type: Client
 Inject. Date: 08-Dec-2014 10:55:20 ALS Bottle#: 0 Worklist Smp#: 20
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:10:59 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:10:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.754	1.743	0.011	55310	0.0209
2	1.366	1.355	0.011	52144	0.0257

RPD = 20.37

\$ 12 DCB Decachlorobiphenyl

1	6.268	6.268	0.000	68401	0.0284
2	5.701	5.701	0.000	75413	0.0254

RPD = 10.96

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:10:59

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_128.D

Injection Date: 08-Dec-2014 10:55:20

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-1-A

Lab Sample ID: 480-72548-1

Worklist Smp#: 20

Client ID: AS-DECON-12-01

Injection Vol: 1.0 ul

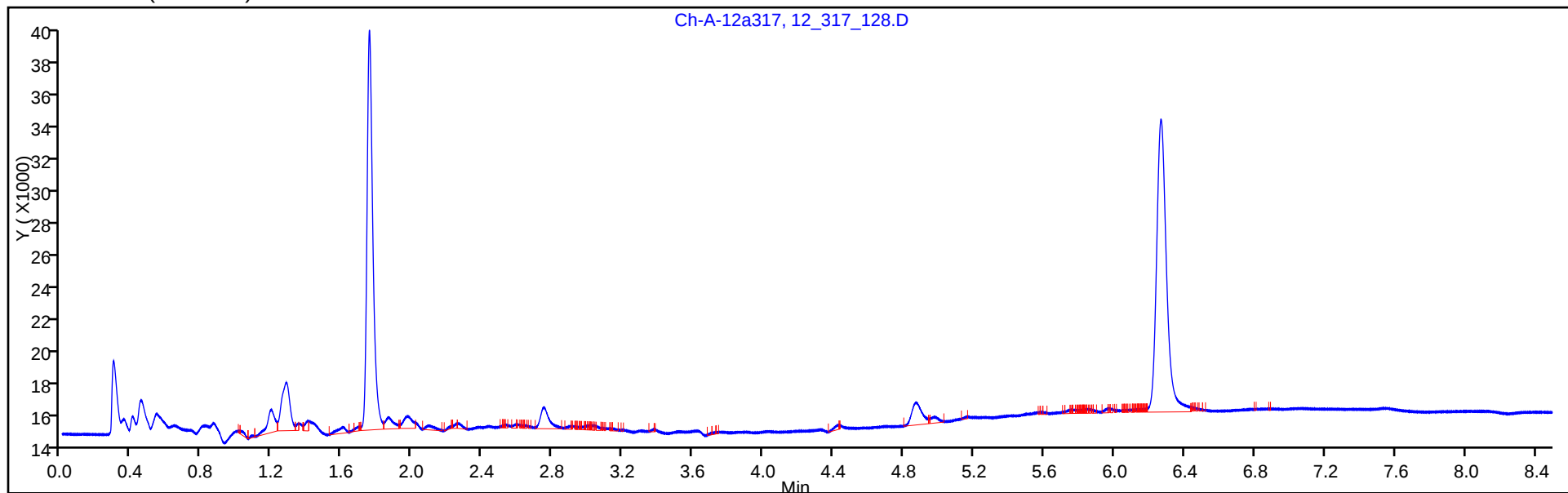
Dil. Factor: 1.0000

ALS Bottle#: 0

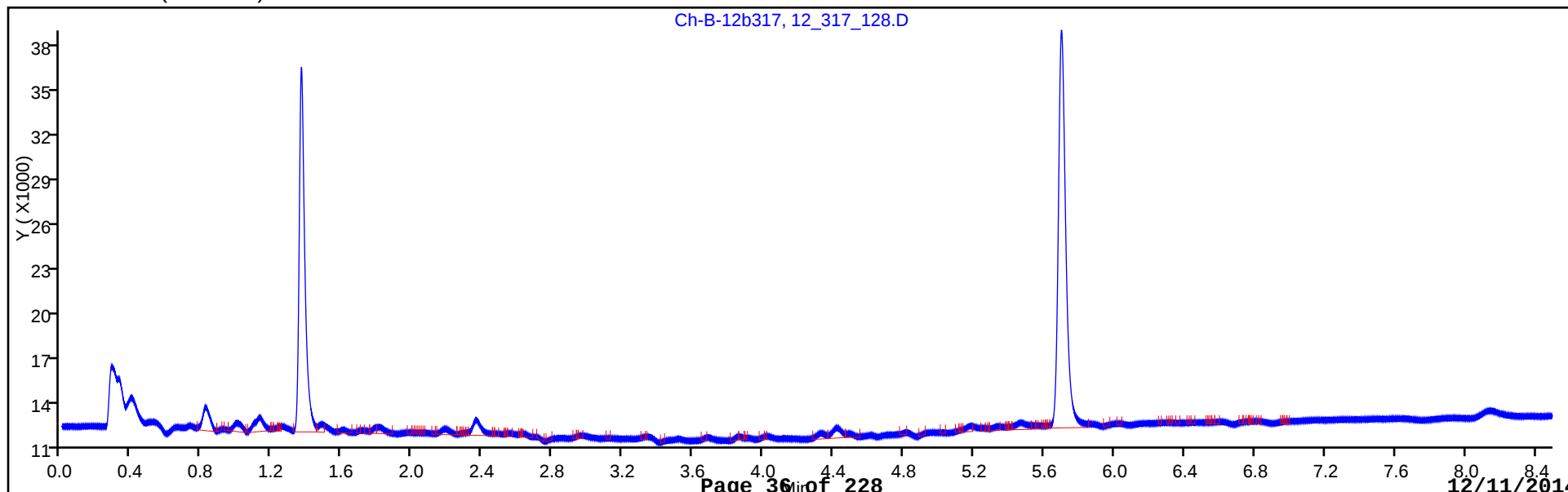
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Client Sample ID: AS-DECON-12-02 Lab Sample ID: 480-72548-2
Matrix: Wipe Lab File ID: 12_317_129.D
Analysis Method: 8082A Date Collected: 12/04/2014 14:30
Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 11:10
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		57-173
2051-24-3	DCB Decachlorobiphenyl	139		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_129.D
 Lims ID: 480-72548-A-2-A Lab Sample ID: 480-72548-2
 Client ID: AS-DECON-12-02
 Sample Type: Client
 Inject. Date: 08-Dec-2014 11:10:25 ALS Bottle#: 0 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:11:08 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:11:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.754	1.743	0.011	54010	0.0204	
2	1.364	1.355	0.009	51485	0.0253	
RPD = 21.51						

\$ 12 DCB Decachlorobiphenyl

1	6.269	6.268	0.001	67243	0.0279	
2	5.701	5.701	0.000	75255	0.0254	
RPD = 9.47						

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:11:08

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_129.D

Injection Date: 08-Dec-2014 11:10:25

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-2-A

Lab Sample ID: 480-72548-2

Worklist Smp#: 21

Client ID: AS-DECON-12-02

Injection Vol: 1.0 ul

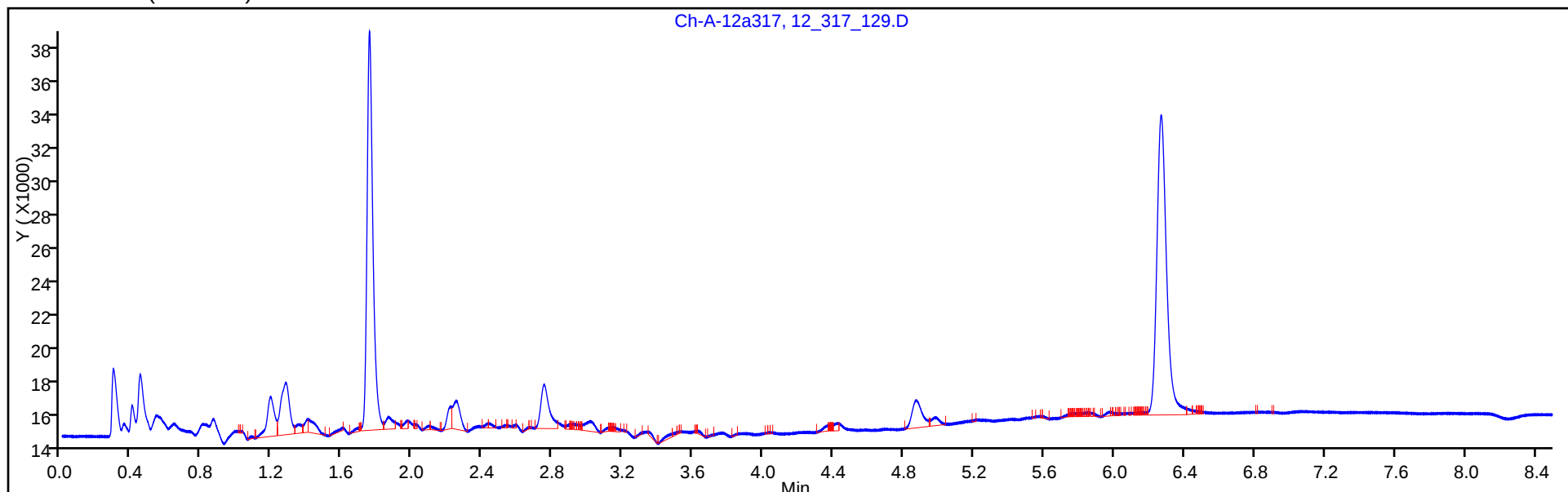
Dil. Factor: 1.0000

ALS Bottle#: 0

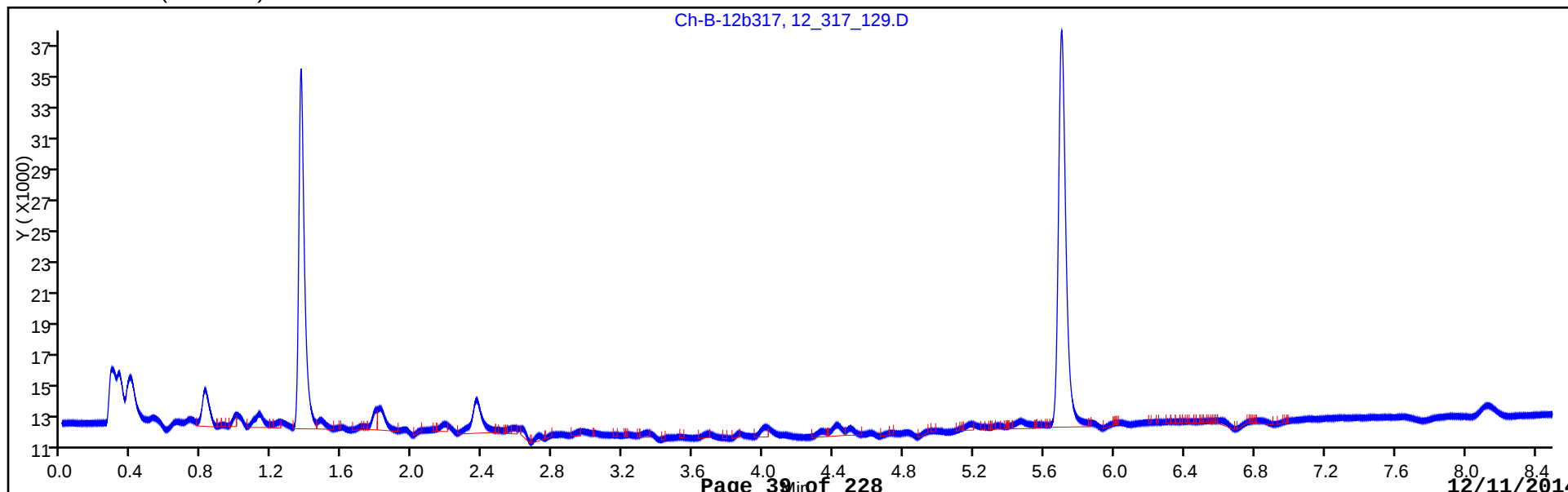
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Client Sample ID: AS-DECON-12-02 Lab Sample ID: 480-72548-2
 Matrix: Wipe Lab File ID: 12_317_129.D
 Analysis Method: 8082A Date Collected: 12/04/2014 14:30
 Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
 Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 11:10
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	127		57-173
2051-24-3	DCB Decachlorobiphenyl	127		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_129.D
 Lims ID: 480-72548-A-2-A Lab Sample ID: 480-72548-2
 Client ID: AS-DECON-12-02
 Sample Type: Client
 Inject. Date: 08-Dec-2014 11:10:25 ALS Bottle#: 0 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:11:08 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:11:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.754	1.743	0.011	54010	0.0204
2	1.364	1.355	0.009	51485	0.0253

RPD = 21.51

\$ 12 DCB Decachlorobiphenyl

1	6.269	6.268	0.001	67243	0.0279
2	5.701	5.701	0.000	75255	0.0254

RPD = 9.47

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:11:08

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_129.D

Injection Date: 08-Dec-2014 11:10:25

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-2-A

Lab Sample ID: 480-72548-2

Worklist Smp#: 21

Client ID: AS-DECON-12-02

Injection Vol: 1.0 ul

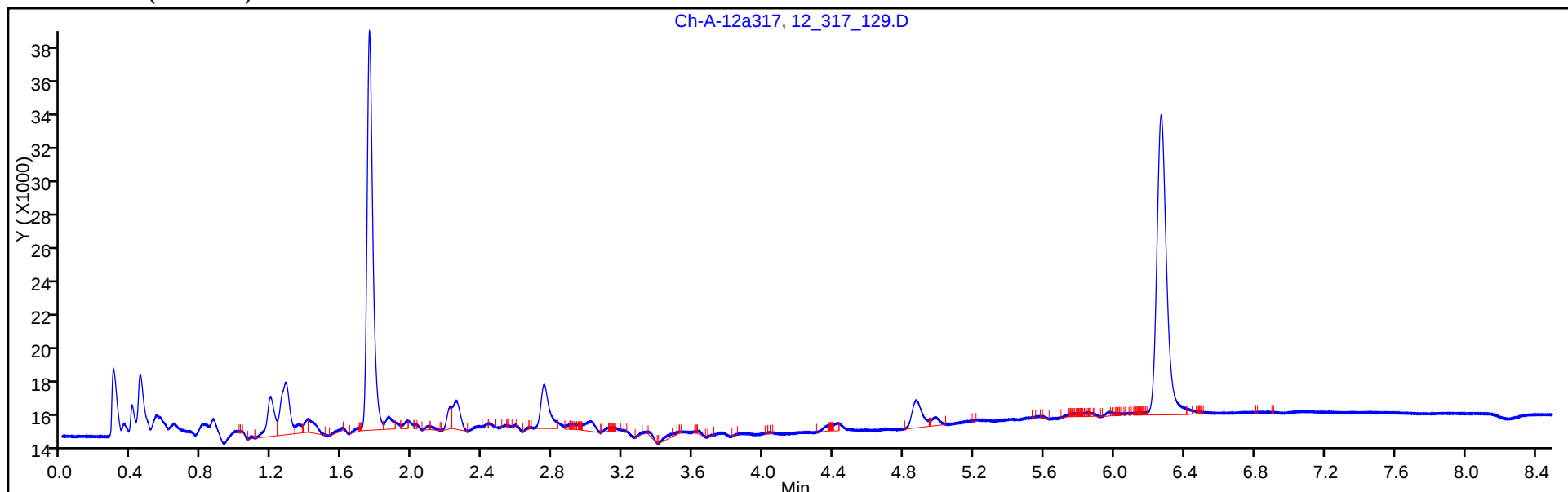
Dil. Factor: 1.0000

ALS Bottle#: 0

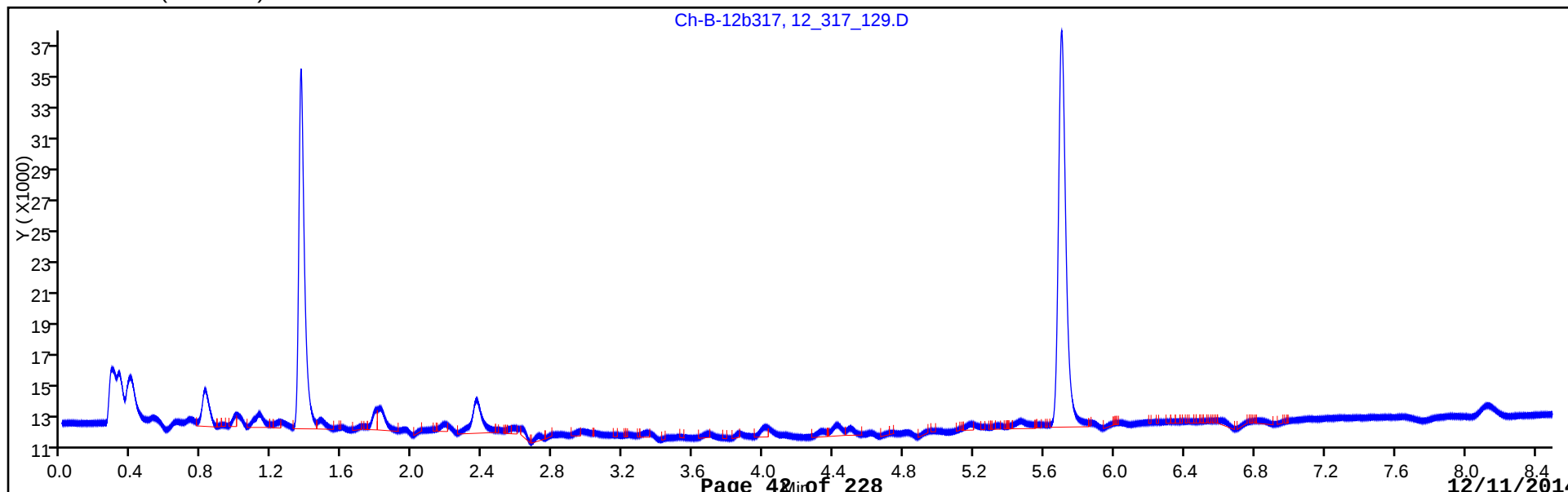
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Client Sample ID: AS-DECON-12-03 Lab Sample ID: 480-72548-3
Matrix: Wipe Lab File ID: 12_317_130.D
Analysis Method: 8082A Date Collected: 12/04/2014 14:30
Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 11:25
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	110		57-173
2051-24-3	DCB Decachlorobiphenyl	147		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_130.D
 Lims ID: 480-72548-A-3-A Lab Sample ID: 480-72548-3
 Client ID: AS-DECON-12-03
 Sample Type: Client
 Inject. Date: 08-Dec-2014 11:25:19 ALS Bottle#: 0 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:13:13 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:13:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.753	1.755	-0.002	58381	0.0221
2	1.362	1.364	-0.002	53533	0.0263

RPD = 17.53

\$ 12 DCB Decachlorobiphenyl

1	6.273	6.272	0.001	70795	0.0294
2	5.703	5.704	-0.001	77339	0.0261

RPD = 11.88

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:13:20

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_130.D

Injection Date: 08-Dec-2014 11:25:19

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-3-A

Lab Sample ID: 480-72548-3

Worklist Smp#: 22

Client ID: AS-DECON-12-03

Injection Vol: 1.0 ul

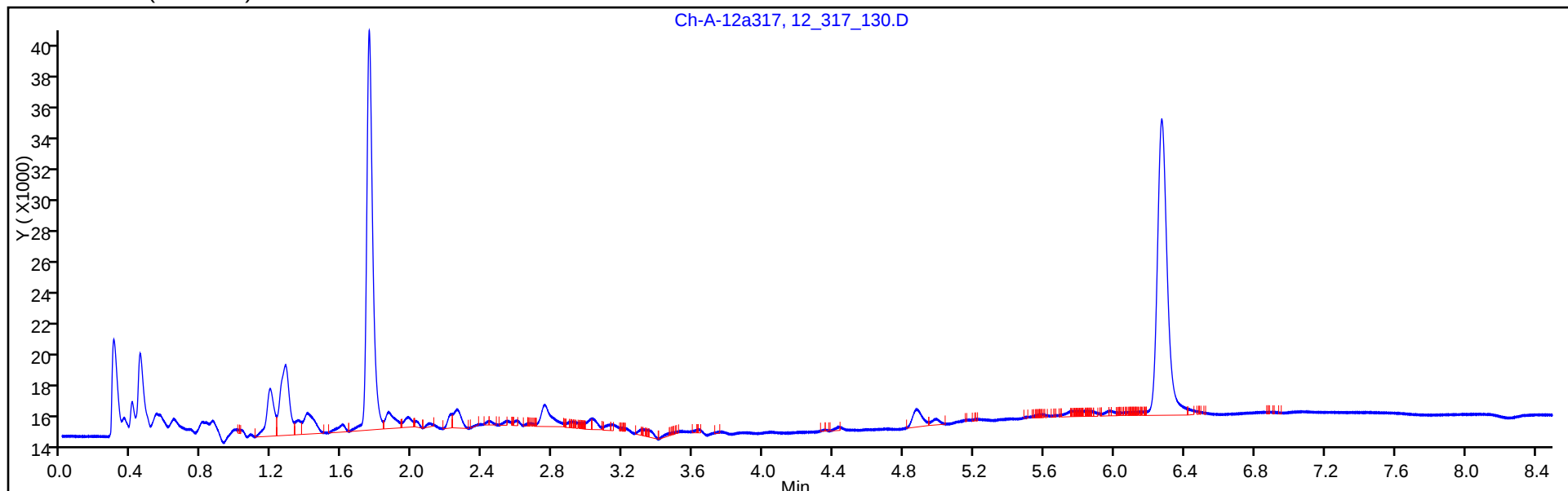
Dil. Factor: 1.0000

ALS Bottle#: 0

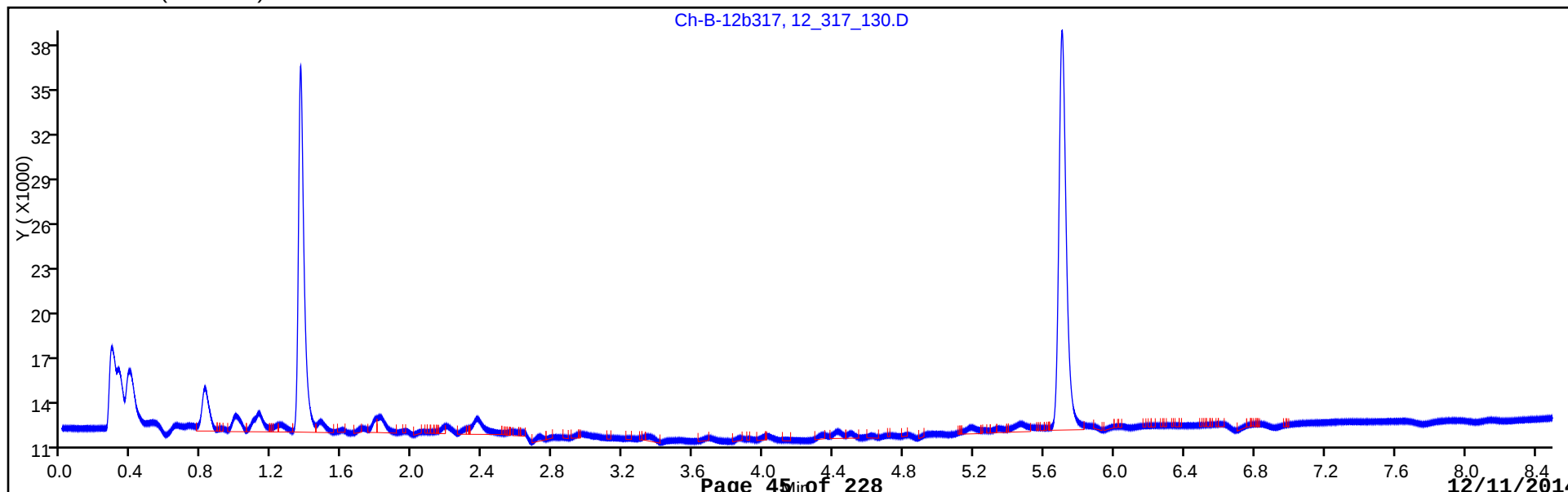
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Client Sample ID: AS-DECON-12-03 Lab Sample ID: 480-72548-3
 Matrix: Wipe Lab File ID: 12_317_130.D
 Analysis Method: 8082A Date Collected: 12/04/2014 14:30
 Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
 Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 11:25
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	132		57-173
2051-24-3	DCB Decachlorobiphenyl	130		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_130.D
Lims ID: 480-72548-A-3-A Lab Sample ID: 480-72548-3
Client ID: AS-DECON-12-03
Sample Type: Client
Inject. Date: 08-Dec-2014 11:25:19 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 08-Dec-2014 12:13:13 Calib Date: 03-Oct-2014 08:06:59
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:13:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.753	1.755	-0.002	58381	0.0221
2	1.362	1.364	-0.002	53533	0.0263

RPD = 17.53

\$ 12 DCB Decachlorobiphenyl

1	6.273	6.272	0.001	70795	0.0294
2	5.703	5.704	-0.001	77339	0.0261

RPD = 11.88

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:13:21

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_130.D

Injection Date: 08-Dec-2014 11:25:19

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-3-A

Lab Sample ID: 480-72548-3

Worklist Smp#: 22

Client ID: AS-DECON-12-03

Injection Vol: 1.0 ul

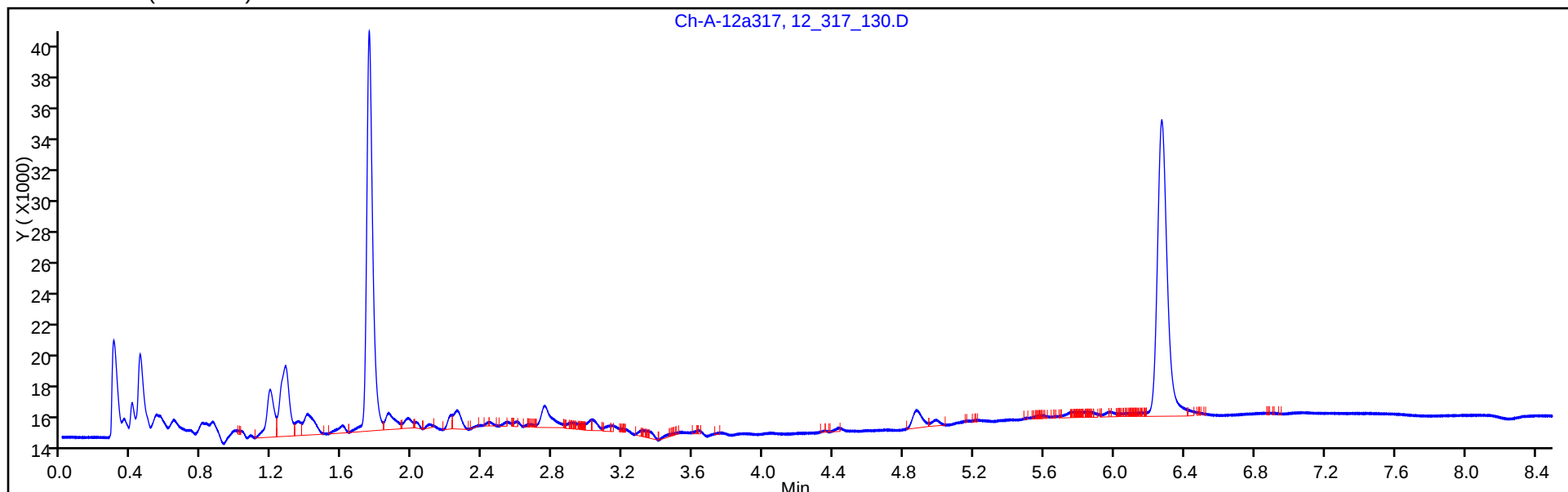
Dil. Factor: 1.0000

ALS Bottle#: 0

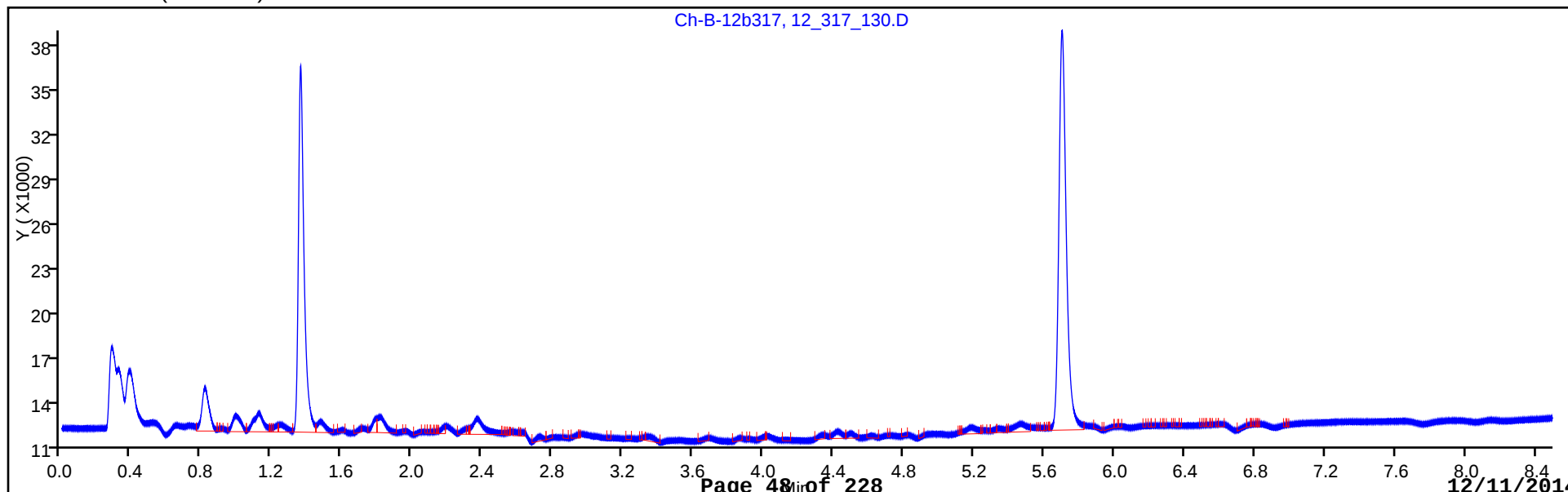
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Client Sample ID: AS-DECON-12-04 Lab Sample ID: 480-72548-4
Matrix: Wipe Lab File ID: 12_317_131.D
Analysis Method: 8082A Date Collected: 12/04/2014 14:30
Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 11:40
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	103		57-173
2051-24-3	DCB Decachlorobiphenyl	142		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_131.D
Lims ID: 480-72548-A-4-A Lab Sample ID: 480-72548-4
Client ID: AS-DECON-12-04
Sample Type: Client
Inject. Date: 08-Dec-2014 11:40:10 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 08-Dec-2014 12:13:13 Calib Date: 03-Oct-2014 08:06:59
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:11:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.760	1.755	0.005	54288	0.0205
2	1.368	1.364	0.004	51190	0.0252
RPD = 20.43					

\$ 12 DCB Decachlorobiphenyl

1	6.271	6.272	-0.001	68215	0.0283
2	5.703	5.704	-0.001	75053	0.0253
RPD = 11.17					

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:40:45

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_131.D

Injection Date: 08-Dec-2014 11:40:10

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-4-A

Lab Sample ID: 480-72548-4

Worklist Smp#: 23

Client ID: AS-DECON-12-04

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

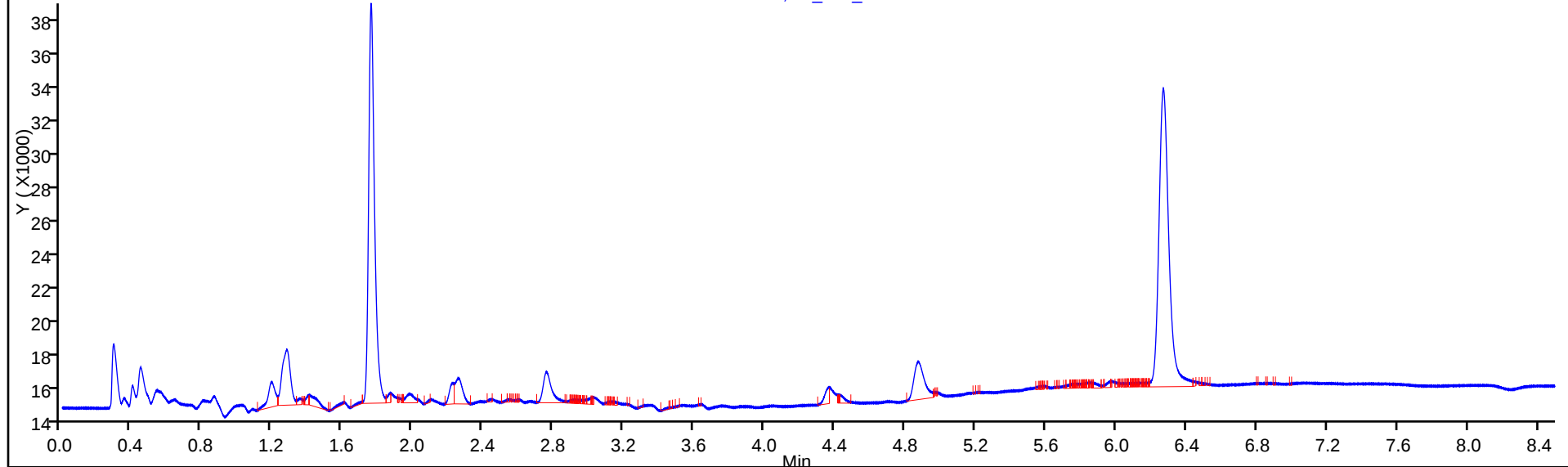
ALS Bottle#: 0

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

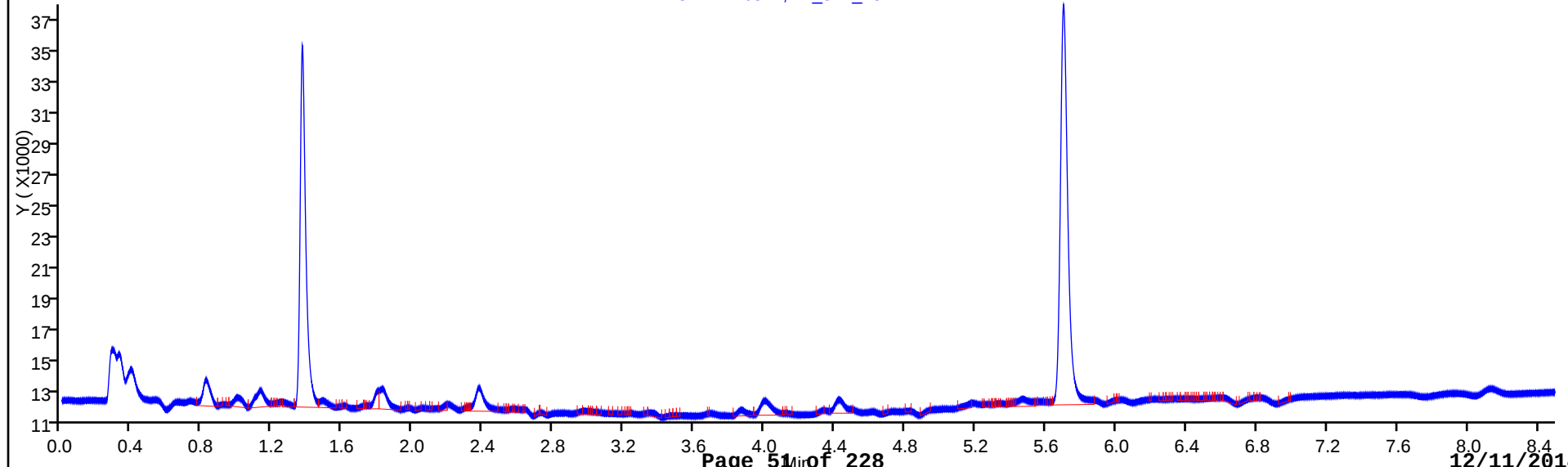
Column: ZB-5 (0.25 mm)

Ch-A-12a317, 12_317_131.D



Column: ZB-35 (0.53 mm)

Ch-B-12b317, 12_317_131.D



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Client Sample ID: AS-DECON-12-04 Lab Sample ID: 480-72548-4
 Matrix: Wipe Lab File ID: 12_317_131.D
 Analysis Method: 8082A Date Collected: 12/04/2014 14:30
 Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
 Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 11:40
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	126		57-173
2051-24-3	DCB Decachlorobiphenyl	127		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_131.D
 Lims ID: 480-72548-A-4-A Lab Sample ID: 480-72548-4
 Client ID: AS-DECON-12-04
 Sample Type: Client
 Inject. Date: 08-Dec-2014 11:40:10 ALS Bottle#: 0 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:13:13 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:11:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.760	1.755	0.005	54288	0.0205	
2	1.368	1.364	0.004	51190	0.0252	
RPD = 20.43						

\$ 12 DCB Decachlorobiphenyl

1	6.271	6.272	-0.001	68215	0.0283	
2	5.703	5.704	-0.001	75053	0.0253	
RPD = 11.17						

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:40:45

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_131.D

Injection Date: 08-Dec-2014 11:40:10

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: 480-72548-A-4-A

Lab Sample ID: 480-72548-4

Worklist Smp#: 23

Client ID: AS-DECON-12-04

Injection Vol: 1.0 ul

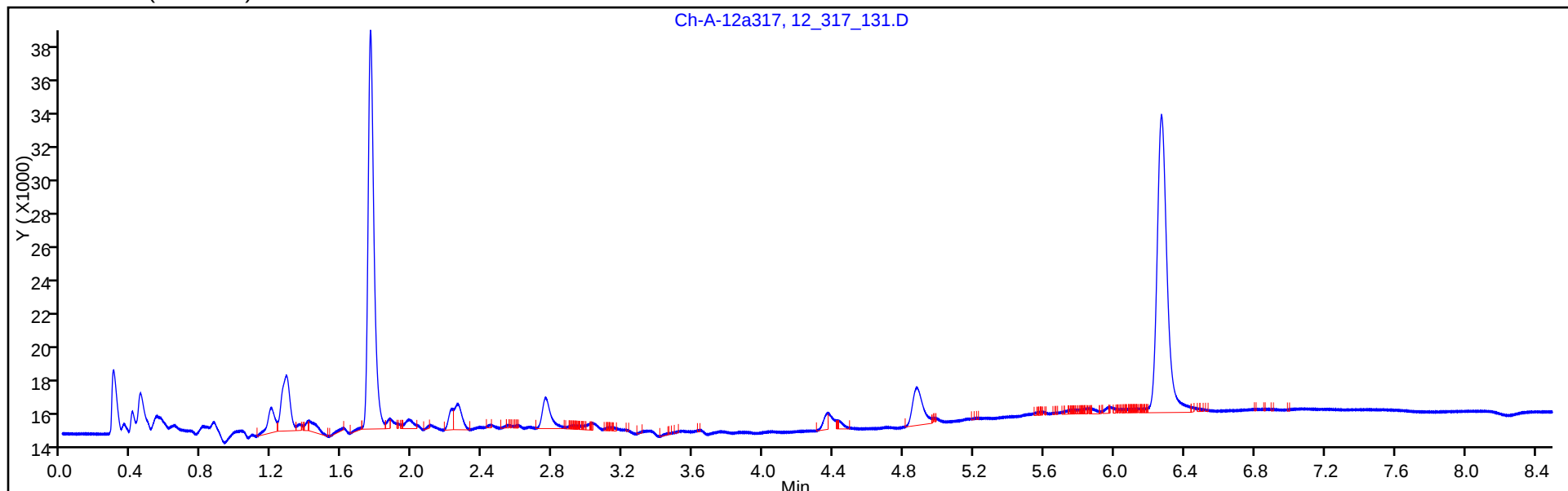
Dil. Factor: 1.0000

ALS Bottle#: 0

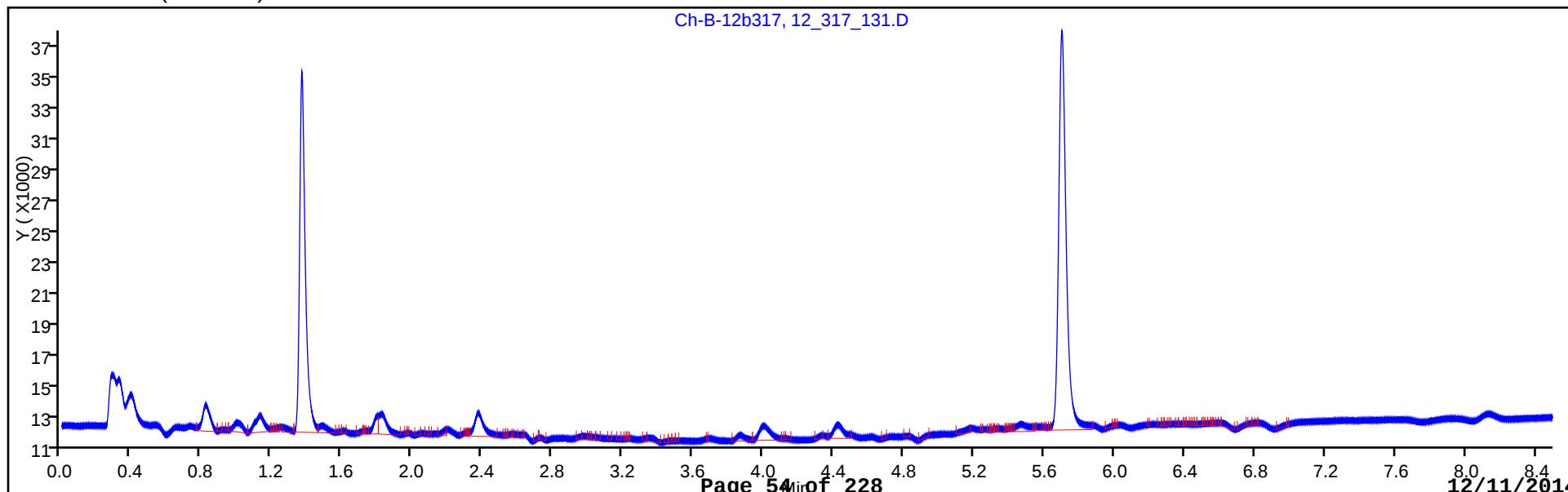
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 17:33 Calibration End Date: 10/02/2014 19:02 Calibration ID: 20499

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-205708/7	12_309_085.D
Level 2	STD2 480-205708/6	12_309_084.D
Level 3	STD3 480-205708/5	12_309_083.D
Level 4	STD4 480-205708/4	12_309_082.D
Level 5	STD5 480-205708/3	12_309_081.D
Level 6	STD6 480-205708/2	12_309_080.D
Level 7	STD7 480-205708/1	12_309_079.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.553	2.553	2.552	2.553	2.551	2.549	2.549				2.522 - 2.582	2.551
PCB-1016 Peak 2	2.696	2.695	2.695	2.694	2.694	2.693	2.693				2.665 - 2.725	2.694
PCB-1016 Peak 3	2.894	2.895	2.893	2.893	2.892	2.891	2.891				2.863 - 2.923	2.893
PCB-1016 Peak 4	2.977	2.978	2.977	2.976	2.976	2.975	2.975				2.947 - 3.007	2.976
PCB-1260 Peak 1	4.501	4.501	4.500	4.499	4.499	4.497	4.497				4.470 - 4.530	4.499
PCB-1260 Peak 2	4.724	4.724	4.723	4.722	4.722	4.721	4.721				4.693 - 4.753	4.722
PCB-1260 Peak 3	4.851	4.851	4.851	4.850	4.849	4.848	4.847				4.821 - 4.881	4.850
PCB-1260 Peak 4	5.237	5.237	5.237	5.236	5.235	5.234	5.233				5.207 - 5.267	5.236
Tetrachloro-m-xylene	1.971	1.972	1.971	1.971	1.971	1.971	1.970				1.941 - 2.001	1.971
DCB Decachlorobiphenyl	6.736	6.737	6.736	6.737	6.735	6.734	6.733				6.706 - 6.766	6.735

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 17:33 Calibration End Date: 10/02/2014 19:02 Calibration ID: 20499

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-205708/7	12_309_085.D
Level 2	STD2 480-205708/6	12_309_084.D
Level 3	STD3 480-205708/5	12_309_083.D
Level 4	STD4 480-205708/4	12_309_082.D
Level 5	STD5 480-205708/3	12_309_081.D
Level 6	STD6 480-205708/2	12_309_080.D
Level 7	STD7 480-205708/1	12_309_079.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 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	163000 119996	138200 109536	141090 101662	129425	Ave		128986.929				16.0		20.0			
PCB-1016 Peak 2	100250 71558	85080 66356	74000 62894	70885	Ave		75860.4286				17.0		20.0			
PCB-1016 Peak 3	230450 200130	225660 189860	215340 181557	207050	Ave		207149.571				8.7		20.0			
PCB-1016 Peak 4	104500 84512	97420 78749	90690 74610	87825	Ave		88329.3571				12.0		20.0			
PCB-1260 Peak 1	237700 249662	213040 221105	256870 203035	250870	Ave		233183.071				9.0		20.0			
PCB-1260 Peak 2	219800 233114	215880 210246	229910 196505	232865	Ave		219760.000				6.2		20.0			
PCB-1260 Peak 3	145400 161980	151440 142877	156770 130532	161385	Ave		150054.857				7.6		20.0			
PCB-1260 Peak 4	271500 229442	286080 206677	233450 191354	226920	Ave		235060.429				14.0		20.0			
Tetrachloro-m-xylene	4908000 2651600	3552800 2600000	2902800 2631240	2827000	Lin	873.520123	2603404.23							1.0000		0.9900
DCB Decachlorobiphenyl	2402000 2347840	2683200 2195760	2628400 2043920	2570200	Ave		2410188.57				9.8		20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 17:33 Calibration End Date: 10/02/2014 19:02 Calibration ID: 20499

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-205708/7	12_309_085.D
Level 2	STD2 480-205708/6	12_309_084.D
Level 3	STD3 480-205708/5	12_309_083.D
Level 4	STD4 480-205708/4	12_309_082.D
Level 5	STD5 480-205708/3	12_309_081.D
Level 6	STD6 480-205708/2	12_309_080.D
Level 7	STD7 480-205708/1	12_309_079.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	3260 109536	6910 203323	14109	25885	59998	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	2005 66356	4254 125788	7400	14177	35779	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	4609 189860	11283 363114	21534	41410	100065	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	2090 78749	4871 149219	9069	17565	42256	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	4754 221105	10652 406069	25687	50174	124831	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	4396 210246	10794 393010	22991	46573	116557	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	2908 142877	7572 261064	15677	32277	80990	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	5430 206677	14304 382708	23345	45384	114721	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Lin	2454 65000	4441 131562	7257	14135	33145	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	1201 54894	3354 102196	6571	12851	29348	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_079.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 02-Oct-2014 17:33:37 ALS Bottle#: 0 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:53 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:36:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.970	1.971	-0.001	131562	0.0500	0.0502
2	1.547	1.551	-0.004	102821	0.0500	0.0505

RPD = 0.58

6 PCB-1016

1	2.549	2.552	-0.003	203323	2.00	1.58
1	2.693	2.695	-0.002	125788	2.00	1.66
1	2.891	2.893	-0.002	363114	2.00	1.75
1	2.975	2.977	-0.002	149219	2.00	1.69

Average of Peak Amounts = 1.67

2	2.439	2.443	-0.004	114210	2.00	1.72
2	2.535	2.540	-0.005	310044	2.00	1.81
2	2.649	2.655	-0.006	134011	2.00	1.75
2	3.011	3.017	-0.006	156723	2.00	1.75

Average of Peak Amounts = 1.76

RPD = 5.11

9 PCB-1260

1	4.497	4.500	-0.003	406069	2.00	1.74
1	4.721	4.723	-0.002	393010	2.00	1.79
1	4.847	4.851	-0.004	261064	2.00	1.74
1	5.233	5.237	-0.004	382708	2.00	1.63

Average of Peak Amounts = 1.72

2	4.334	4.338	-0.004	356693	2.00	1.70
2	4.639	4.644	-0.005	159515	2.00	1.69
2	4.705	4.709	-0.004	139162	2.00	1.72
2	4.772	4.777	-0.005	375376	2.00	1.65

Average of Peak Amounts = 1.69

RPD = 2.05

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_079.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.733	6.736	-0.003	102196	0.0500	0.0424	
2	6.046	6.050	-0.004	115598	0.0500	0.0390	

RPD = 8.40

Reagents:

AR1660 2.0ng_00003

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:16:54

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_079.D

Injection Date: 02-Oct-2014 17:33:37

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD7

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

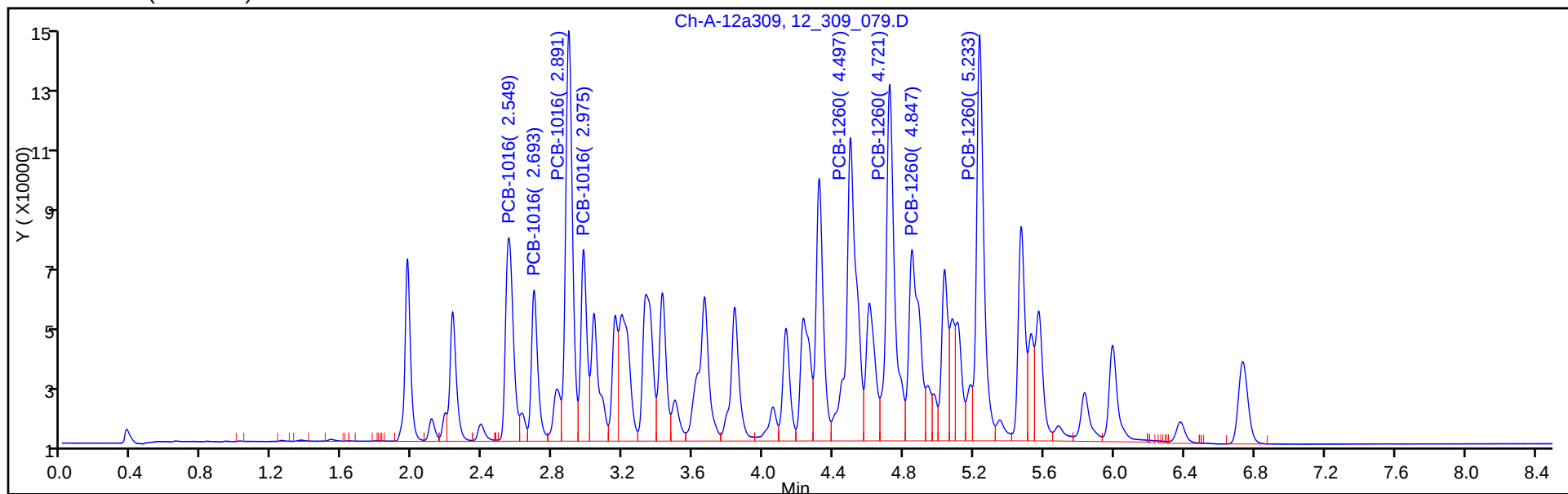
Dil. Factor: 1.0000

ALS Bottle#: 0

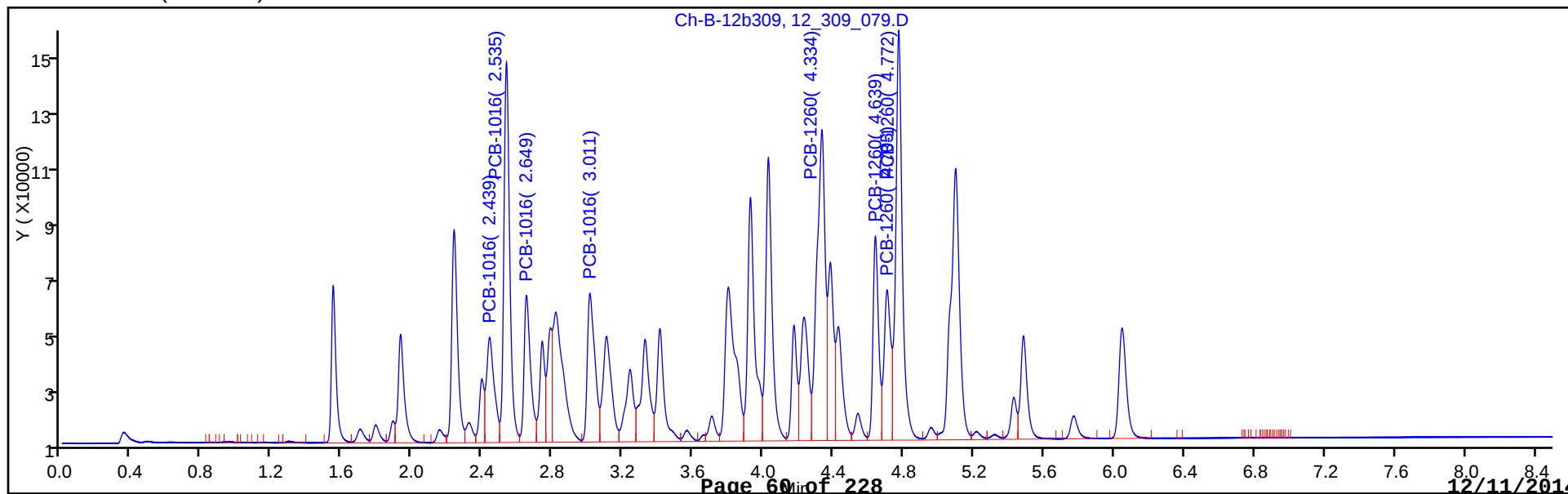
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_080.D
 Lims ID: STD6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 02-Oct-2014 17:48:29 ALS Bottle#: 0 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:55 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	65000	0.0250	0.0246	
2	1.548	1.551	-0.003	49339	0.0250	0.0243	

RPD = 1.45

6 PCB-1016

1	2.549	2.552	-0.003	109536	1.00	0.8492	
1	2.693	2.695	-0.002	66356	1.00	0.8747	
1	2.891	2.893	-0.002	189860	1.00	0.9165	
1	2.975	2.977	-0.002	78749	1.00	0.8915	
Average of Peak Amounts =						0.8830	
2	2.440	2.443	-0.003	61659	1.00	0.9264	
2	2.535	2.540	-0.005	160627	1.00	0.9386	
2	2.650	2.655	-0.005	70831	1.00	0.9258	
2	3.013	3.017	-0.004	83244	1.00	0.9281	
Average of Peak Amounts =						0.9297	

RPD = 5.15

9 PCB-1260

1	4.497	4.500	-0.003	221105	1.00	0.9482	
1	4.721	4.723	-0.002	210246	1.00	0.9567	
1	4.848	4.851	-0.003	142877	1.00	0.9522	
1	5.234	5.237	-0.003	206677	1.00	0.8793	
Average of Peak Amounts =						0.9341	
2	4.334	4.338	-0.004	187503	1.00	0.8959	
2	4.640	4.644	-0.004	83154	1.00	0.8817	
2	4.706	4.709	-0.003	73671	1.00	0.9084	
2	4.772	4.777	-0.005	197850	1.00	0.8676	
Average of Peak Amounts =						0.8884	

RPD = 5.02

\$ 12 DCB Decachlorobiphenyl

1	6.734	6.736	-0.002	54894	0.0250	0.0228	
2	6.048	6.050	-0.002	62588	0.0250	0.0211	

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.50

Units: mL

Report Date: 03-Oct-2014 09:16:56

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_080.D

Injection Date: 02-Oct-2014 17:48:29

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD6

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

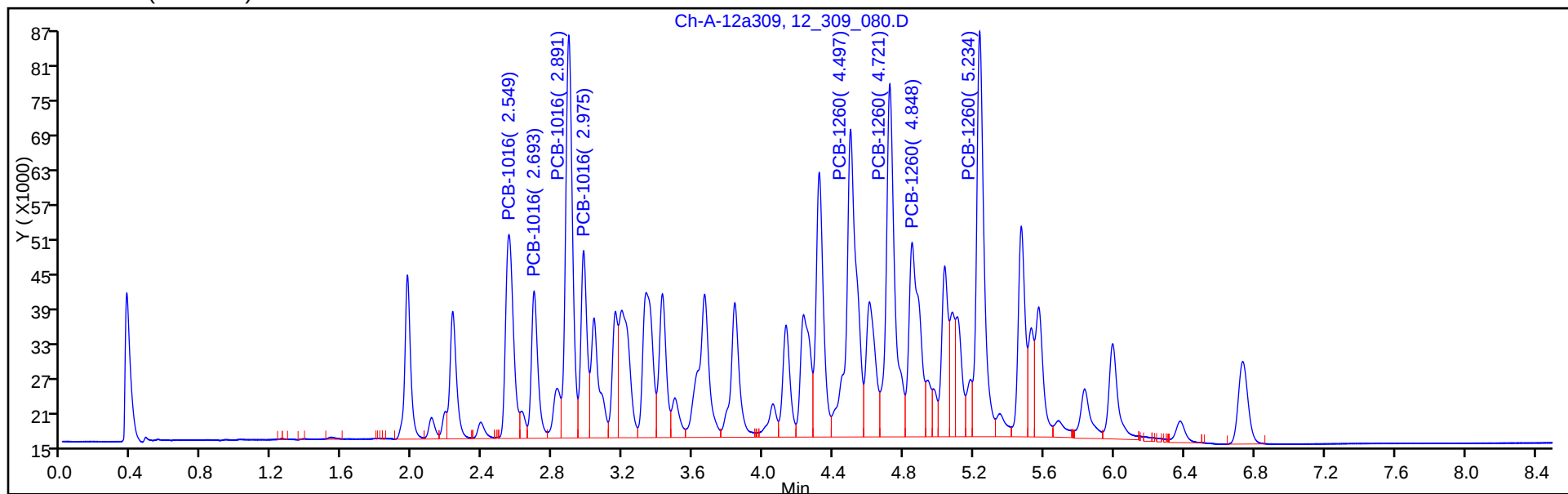
Dil. Factor: 1.0000

ALS Bottle#: 0

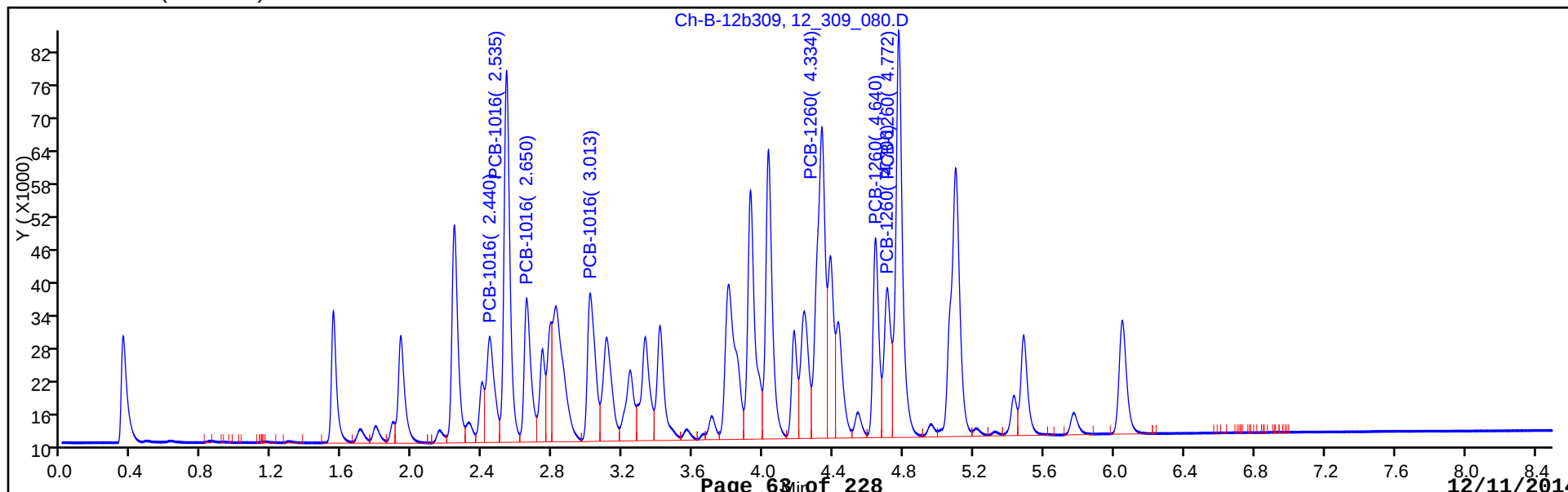
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_081.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 02-Oct-2014 18:03:20 ALS Bottle#: 0 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:57 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	33145	0.0125	0.0124	
2	1.551	1.551	0.000	24155	0.0125	0.0119	
RPD = 3.80							

6 PCB-1016

1	2.551	2.552	-0.001	59998	0.5000	0.4651	
1	2.694	2.695	-0.001	35779	0.5000	0.4716	
1	2.892	2.893	-0.001	100065	0.5000	0.4831	
1	2.976	2.977	-0.001	42256	0.5000	0.4784	
Average of Peak Amounts =							0.4746
2	2.442	2.443	-0.001	32282	0.5000	0.4850	
2	2.538	2.540	-0.002	83243	0.5000	0.4864	
2	2.653	2.655	-0.002	37473	0.5000	0.4898	
2	3.015	3.017	-0.002	43644	0.5000	0.4866	
Average of Peak Amounts =							0.4870
RPD = 2.58							

9 PCB-1260

1	4.499	4.500	-0.001	124831	0.5000	0.5353	
1	4.722	4.723	-0.001	116557	0.5000	0.5304	
1	4.849	4.851	-0.002	80990	0.5000	0.5397	
1	5.235	5.237	-0.002	114721	0.5000	0.4880	
Average of Peak Amounts =							0.5234
2	4.336	4.338	-0.002	98464	0.5000	0.4704	
2	4.642	4.644	-0.002	44305	0.5000	0.4698	
2	4.709	4.709	0.000	38673	0.5000	0.4768	
2	4.774	4.777	-0.003	104651	0.5000	0.4589	
Average of Peak Amounts =							0.4690
RPD = 10.96							

\$ 12 DCB Decachlorobiphenyl

1	6.735	6.736	-0.001	29348	0.0125	0.0122	
2	6.049	6.050	-0.001	33745	0.0125	0.0114	

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.25

Units: mL

Report Date: 03-Oct-2014 09:16:58

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_081.D

Injection Date: 02-Oct-2014 18:03:20

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD5

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

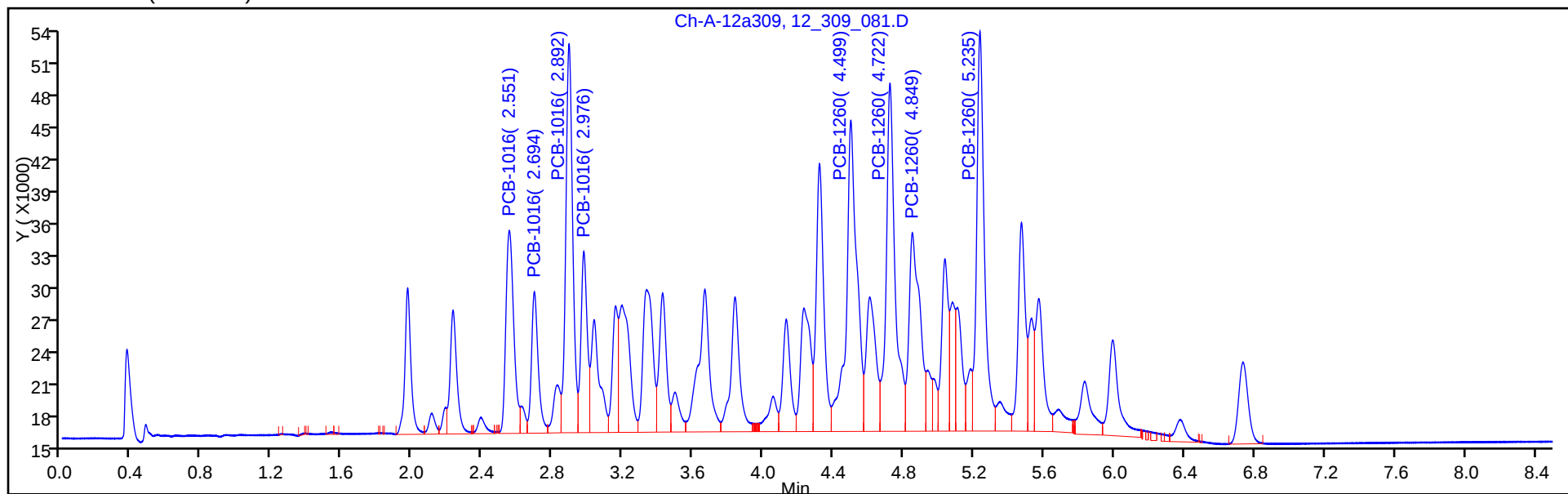
Dil. Factor: 1.0000

ALS Bottle#: 0

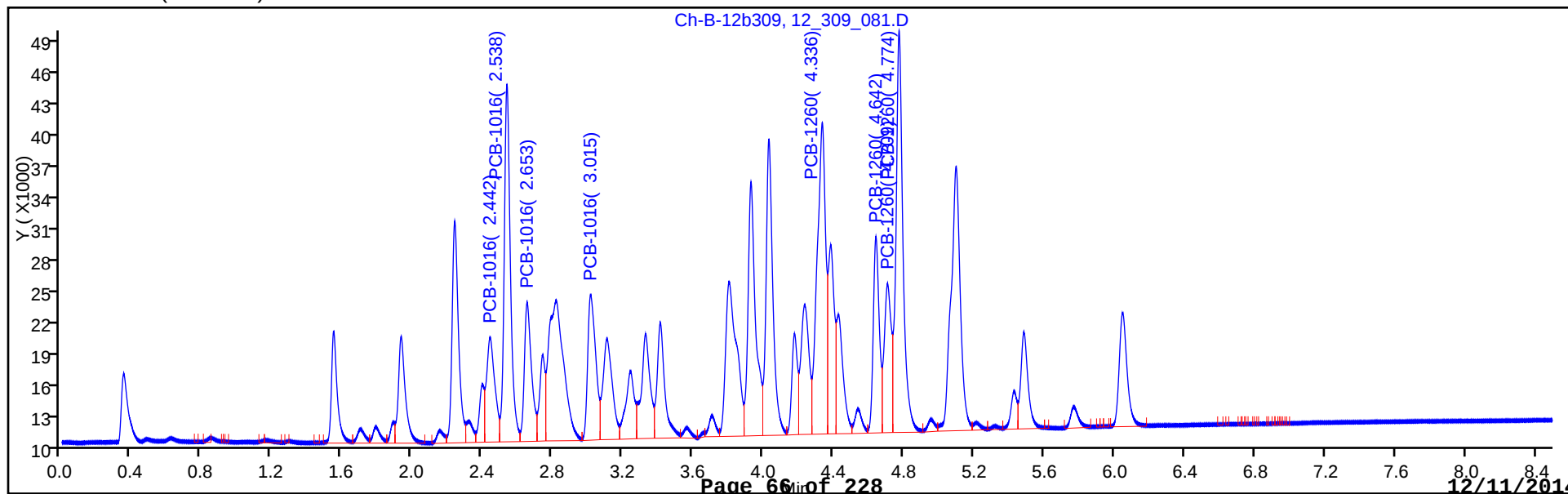
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D
 Lims ID: STD4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 02-Oct-2014 18:18:15 ALS Bottle#: 0 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:59 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:30:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	14135	0.005000	0.005094	
2	1.549	1.551	-0.002	9996	0.005000	0.004994	
RPD = 1.98							

6 PCB-1016

1	2.553	2.552	0.001	25885	0.2000	0.2007	M
1	2.694	2.695	-0.001	14177	0.2000	0.1869	M
1	2.893	2.893	0.000	41410	0.2000	0.1999	M
1	2.976	2.977	-0.001	17565	0.2000	0.1989	M
Average of Peak Amounts =							0.1966
2	2.442	2.443	-0.001	13861	0.2000	0.2083	M
2	2.539	2.540	-0.001	34257	0.2000	0.2002	M
2	2.653	2.655	-0.002	15558	0.2000	0.2033	M
2	3.017	3.017	0.000	18125	0.2000	0.2021	M
Average of Peak Amounts =							0.2035
RPD = 3.44							

9 PCB-1260

1	4.499	4.500	-0.001	50174	0.2000	0.2152	M
1	4.722	4.723	-0.001	46573	0.2000	0.2119	M
1	4.850	4.851	-0.001	32277	0.2000	0.2151	M
1	5.236	5.237	-0.001	45384	0.2000	0.1931	M
Average of Peak Amounts =							0.2088
2	4.335	4.338	-0.003	42411	0.2000	0.2026	M
2	4.643	4.644	-0.001	18897	0.2000	0.2004	M
2	4.708	4.709	-0.001	16749	0.2000	0.2065	M
2	4.775	4.777	-0.002	45951	0.2000	0.2015	M
Average of Peak Amounts =							0.2028
RPD = 2.95							

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.737	6.736	0.001	12851	0.005000	0.005332	
2	6.048	6.050	-0.002	14857	0.005000	0.005010	

RPD = 6.22

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.10

Units: mL

Report Date: 03-Oct-2014 09:17:06

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D

Injection Date: 02-Oct-2014 18:18:15

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD4

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

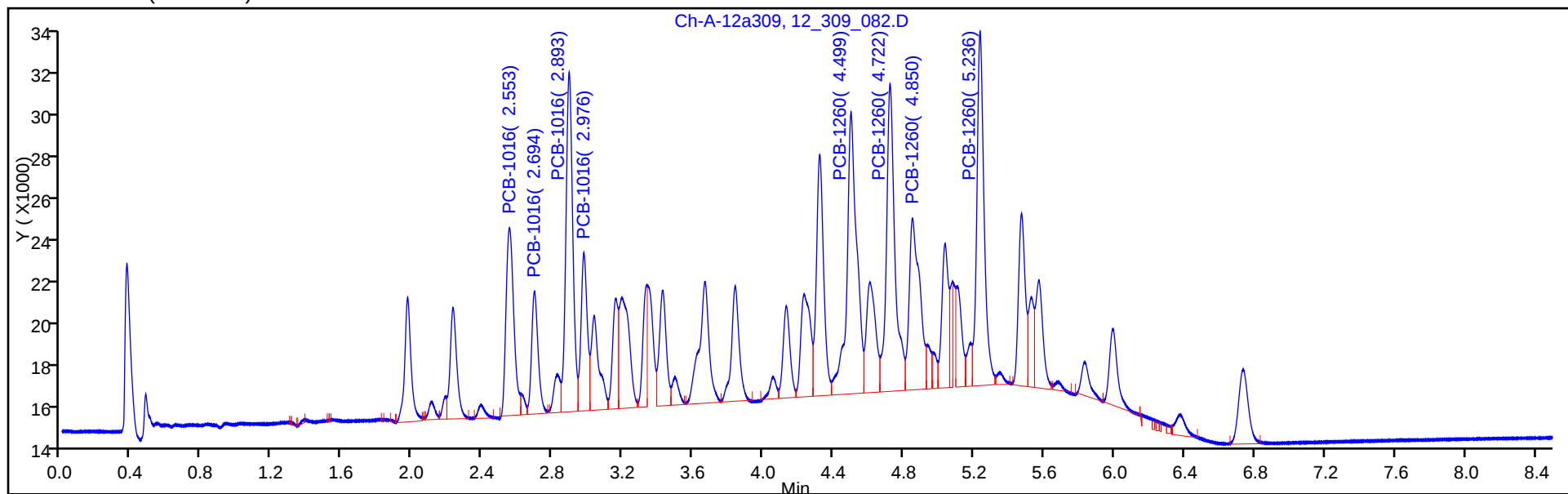
Dil. Factor: 1.0000

ALS Bottle#: 0

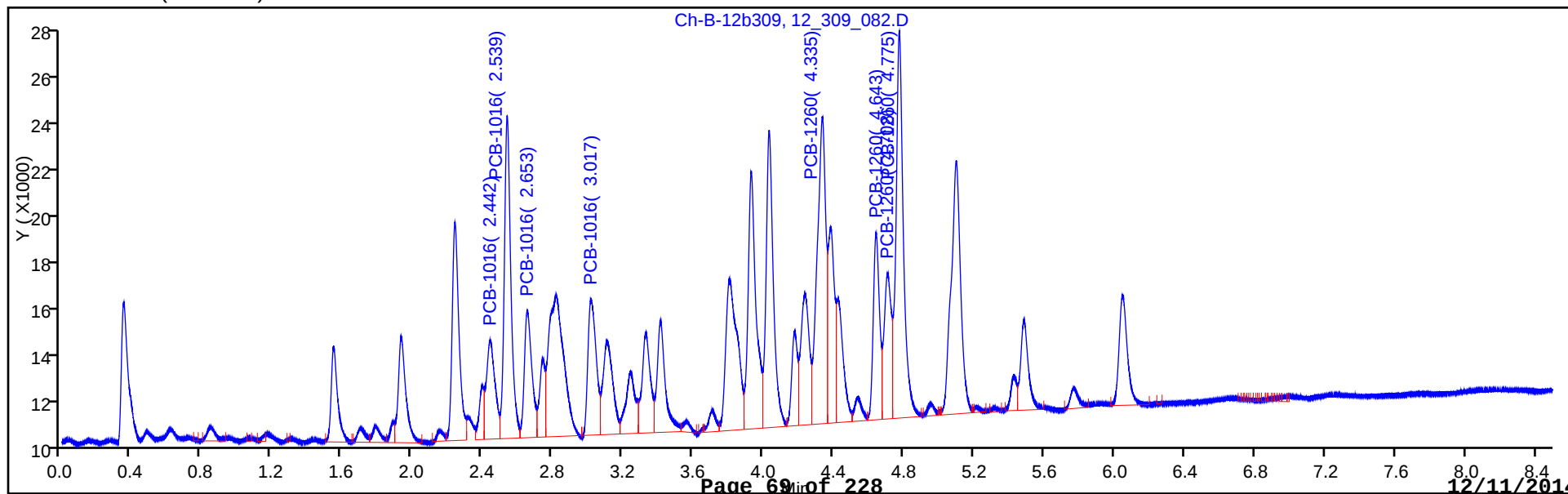
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D

Injection Date: 02-Oct-2014 18:18:15

Instrument ID: HP5890-12

Lims ID: STD4

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 1.0 ul

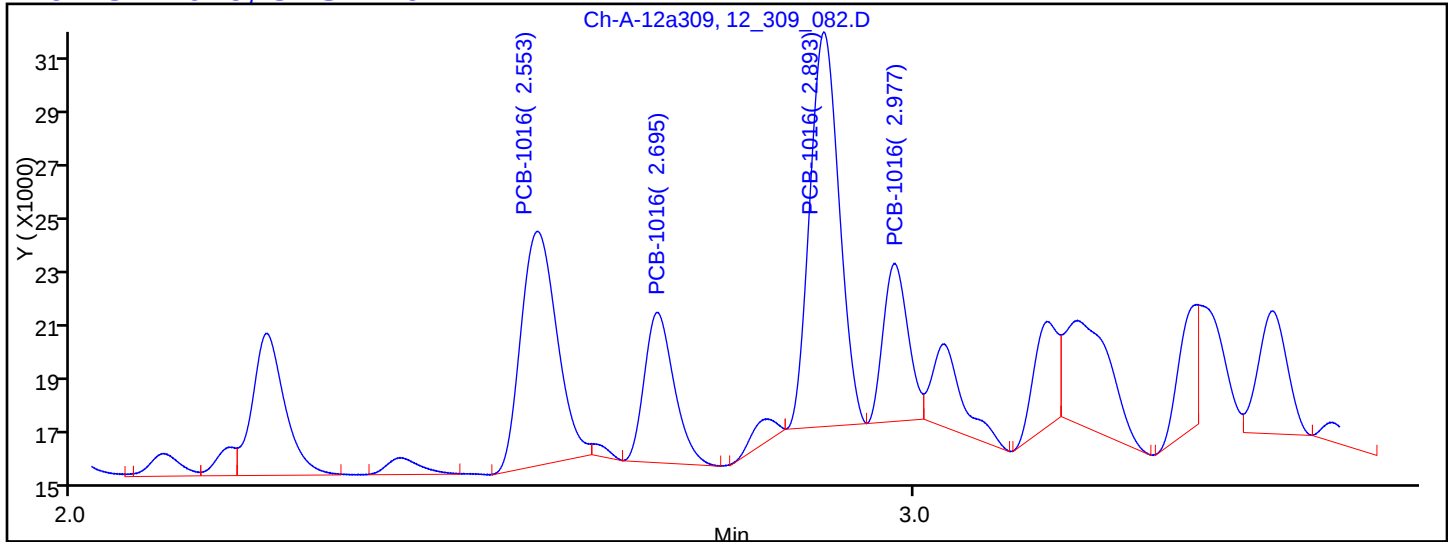
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

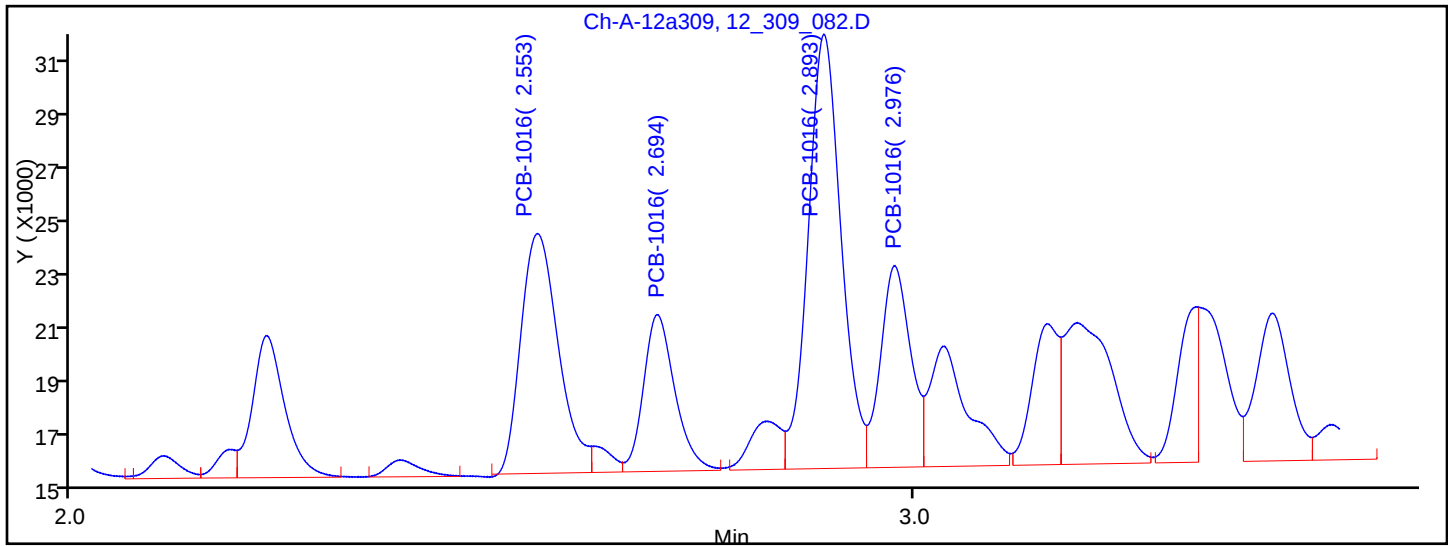
Column: ZB-5 (0.25 mm)

Detector: Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.553	Response = 24330	M
RT = 2.695	Response = 12868	M
RT = 2.893	Response = 33374	M
RT = 2.977	Response = 11357	M



Manual Integration Results

RT = 2.553	Response = 25885	M
RT = 2.694	Response = 14177	M
RT = 2.893	Response = 41410	M
RT = 2.976	Response = 17565	M

Reviewer: eversd, 02-Oct-2014 19:30:29

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D

Injection Date: 02-Oct-2014 18:18:15

Instrument ID: HP5890-12

Lims ID: STD4

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 1.0 ul

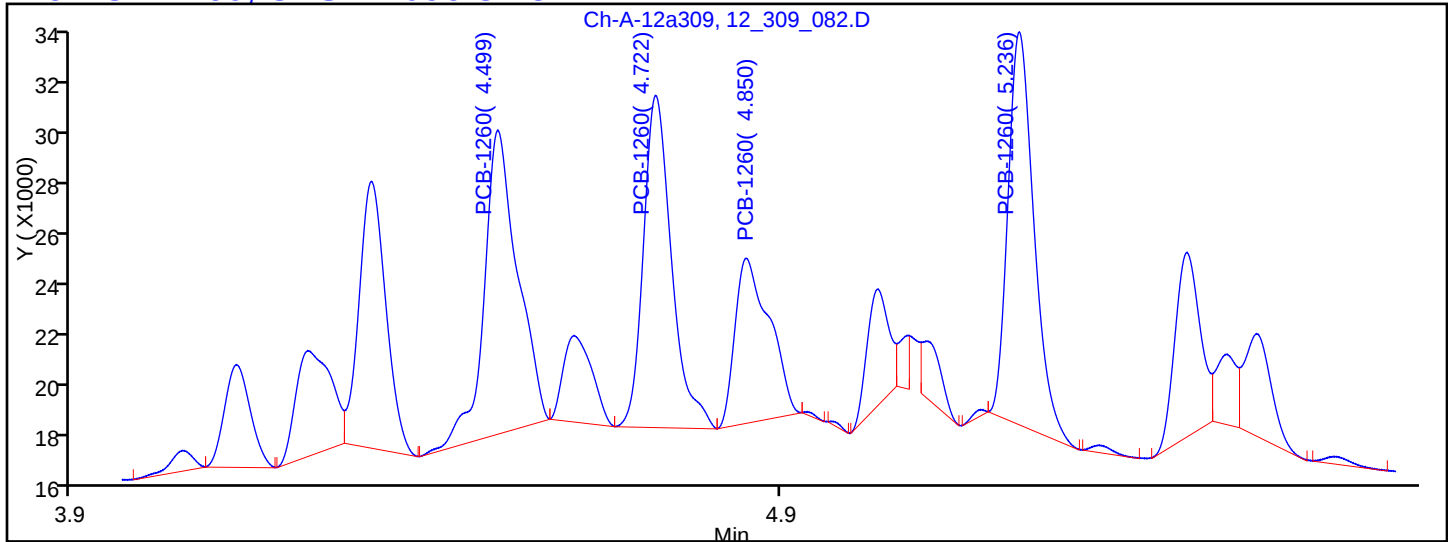
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

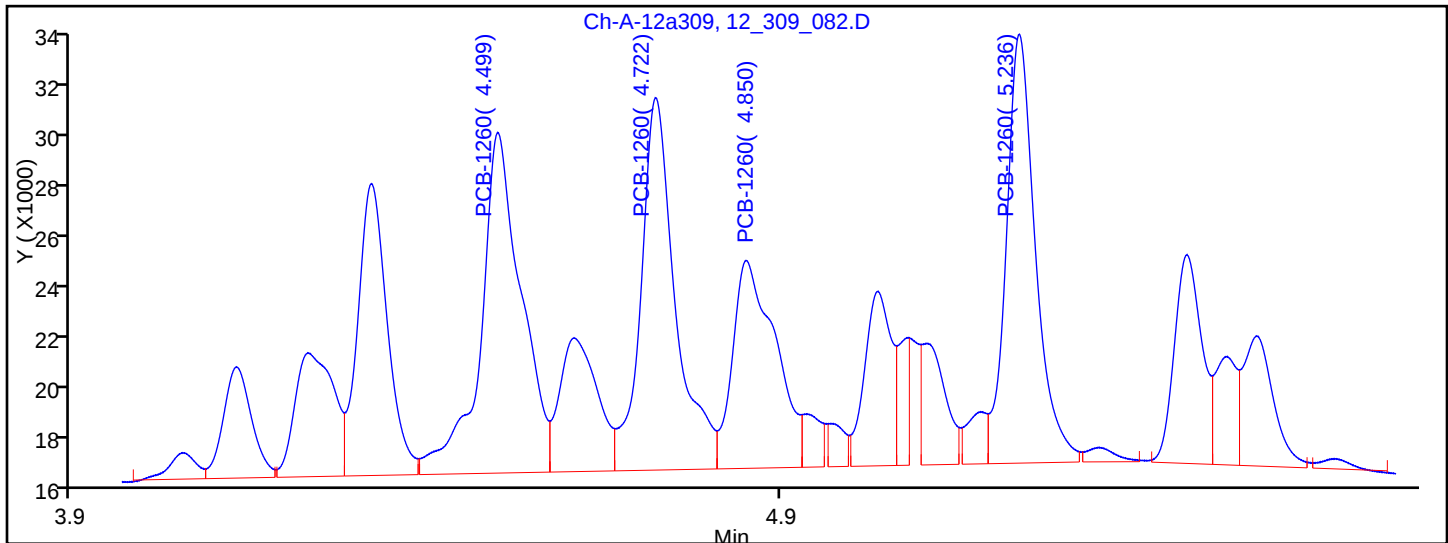
Column: ZB-5 (0.25 mm)

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.499	Response = 36738	M
RT = 4.722	Response = 33857	M
RT = 4.850	Response = 20350	M
RT = 5.236	Response = 36961	M



Manual Integration Results

RT = 4.499	Response = 50174	M
RT = 4.722	Response = 46573	M
RT = 4.850	Response = 32277	M
RT = 5.236	Response = 45384	M

Reviewer: eversd, 02-Oct-2014 19:30:29

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D
 Lims ID: STD3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 02-Oct-2014 18:33:08 ALS Bottle#: 0 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:08 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:31:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	7257	0.002500	0.002452	
2	1.551	1.551	0.000	4876	0.002500	0.002485	

RPD = 1.33

6 PCB-1016

M

1	2.552	2.552	0.000	14109	0.1000	0.1094	M
1	2.695	2.695	0.000	7400	0.1000	0.0975	M
1	2.893	2.893	0.000	21534	0.1000	0.1040	M
1	2.977	2.977	0.000	9069	0.1000	0.1027	M

Average of Peak Amounts = 0.1034

2	2.443	2.443	0.000	7140	0.1000	0.1073	
2	2.540	2.540	0.000	17839	0.1000	0.1042	
2	2.655	2.655	0.000	8202	0.1000	0.1072	
2	3.017	3.017	0.000	9495	0.1000	0.1059	

Average of Peak Amounts = 0.1061

RPD = 2.63

9 PCB-1260

M

1	4.500	4.500	0.000	25687	0.1000	0.1102	M
1	4.723	4.723	0.000	22991	0.1000	0.1046	M
1	4.851	4.851	0.000	15677	0.1000	0.1045	M
1	5.237	5.237	0.000	23345	0.1000	0.0993	

Average of Peak Amounts = 0.1046

2	4.338	4.338	0.000	22086	0.1000	0.1055	M
2	4.644	4.644	0.000	9802	0.1000	0.1039	M
2	4.709	4.709	0.000	8763	0.1000	0.1080	M
2	4.777	4.777	0.000	24466	0.1000	0.1073	M

Average of Peak Amounts = 0.1062

RPD = 1.48

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.736	6.736	0.000	6571	0.002500	0.002726	
2	6.050	6.050	0.000	7855	0.002500	0.002649	

RPD = 2.88

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.05

Units: mL

Report Date: 03-Oct-2014 09:17:08

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D

Injection Date: 02-Oct-2014 18:33:08

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD3

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

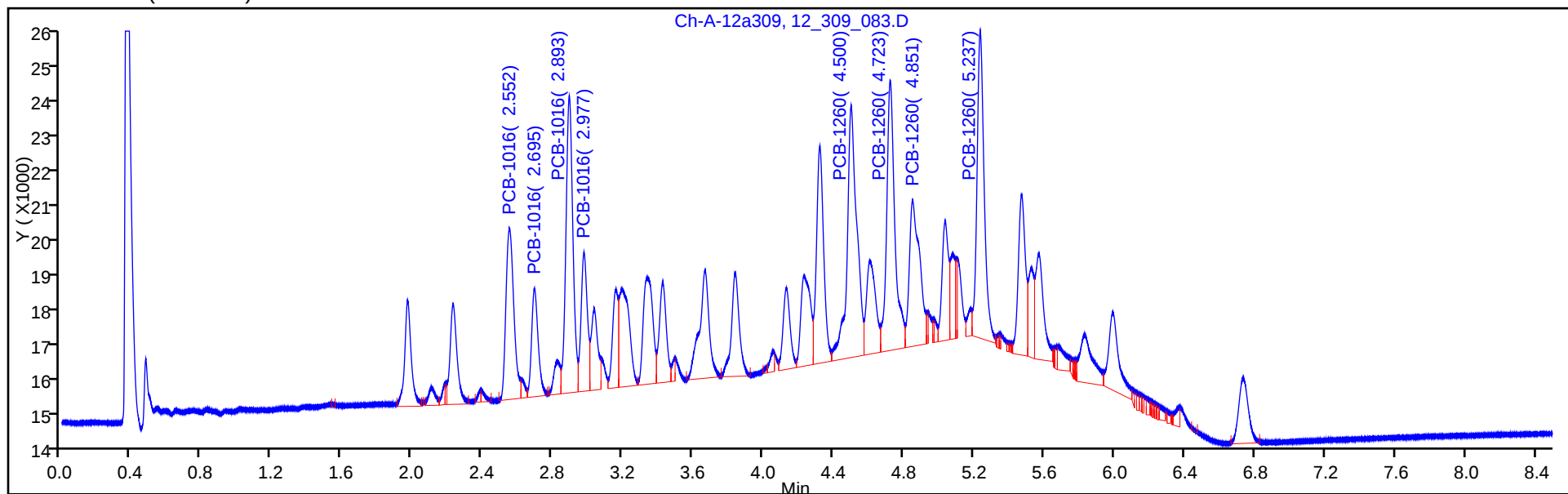
Dil. Factor: 1.0000

ALS Bottle#: 0

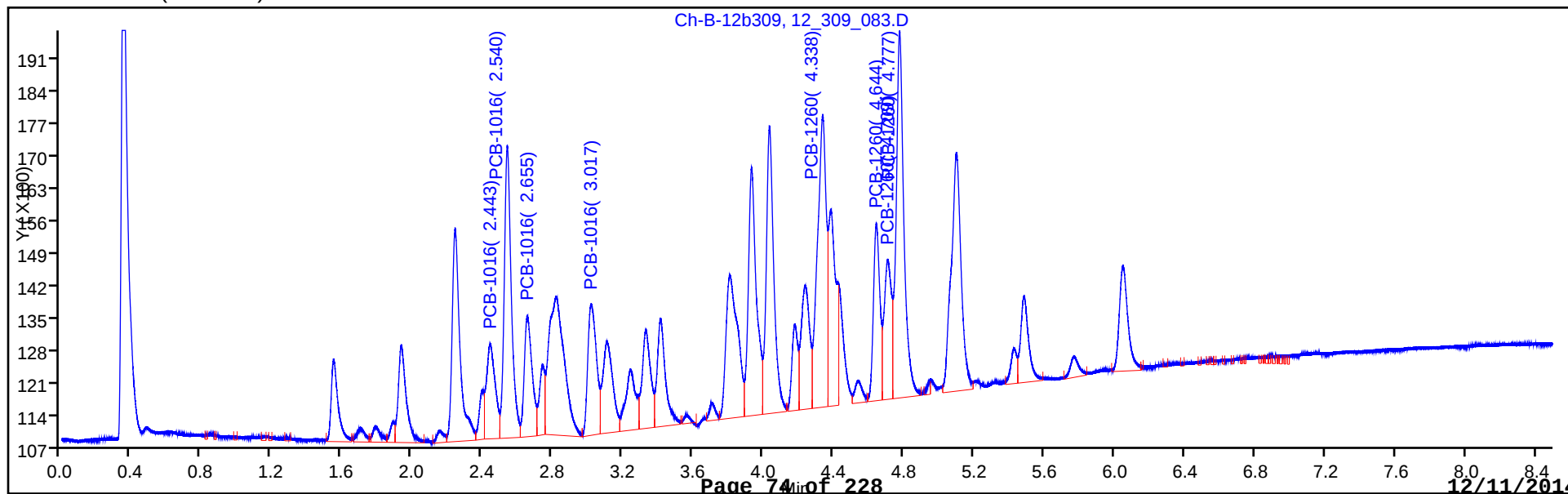
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D

Injection Date: 02-Oct-2014 18:33:08

Instrument ID: HP5890-12

Lims ID: STD3

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

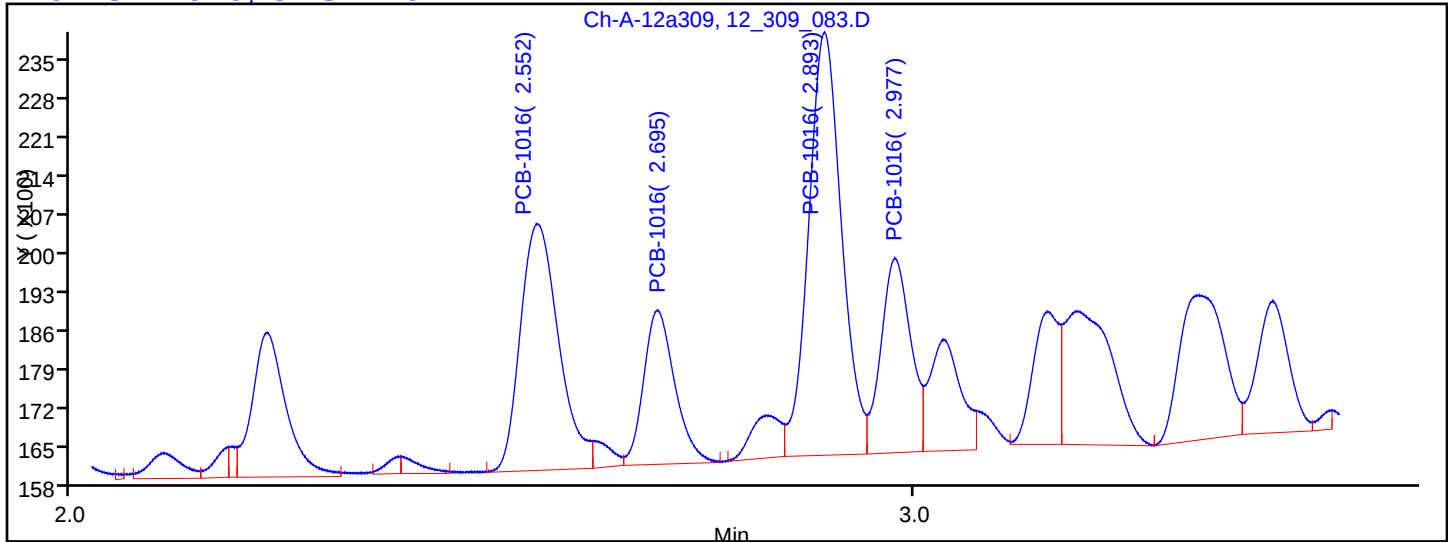
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

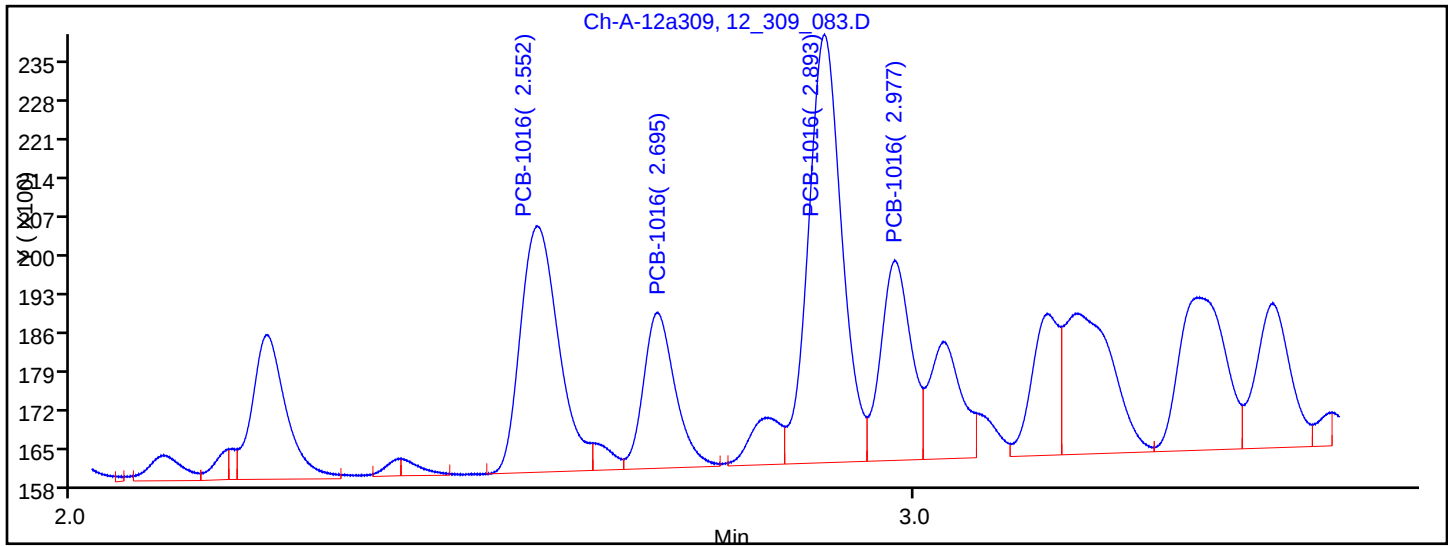
Column: ZB-5 (0.25 mm)

Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.552	Response = 14162	M
RT = 2.695	Response = 7190	M
RT = 2.893	Response = 20978	M
RT = 2.977	Response = 8677	M



Manual Integration Results

RT = 2.552	Response = 14109	M
RT = 2.695	Response = 7400	M
RT = 2.893	Response = 21534	M
RT = 2.977	Response = 9069	M

Reviewer: eversd, 02-Oct-2014 19:31:12

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D

Injection Date: 02-Oct-2014 18:33:08

Instrument ID: HP5890-12

Lims ID: STD3

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

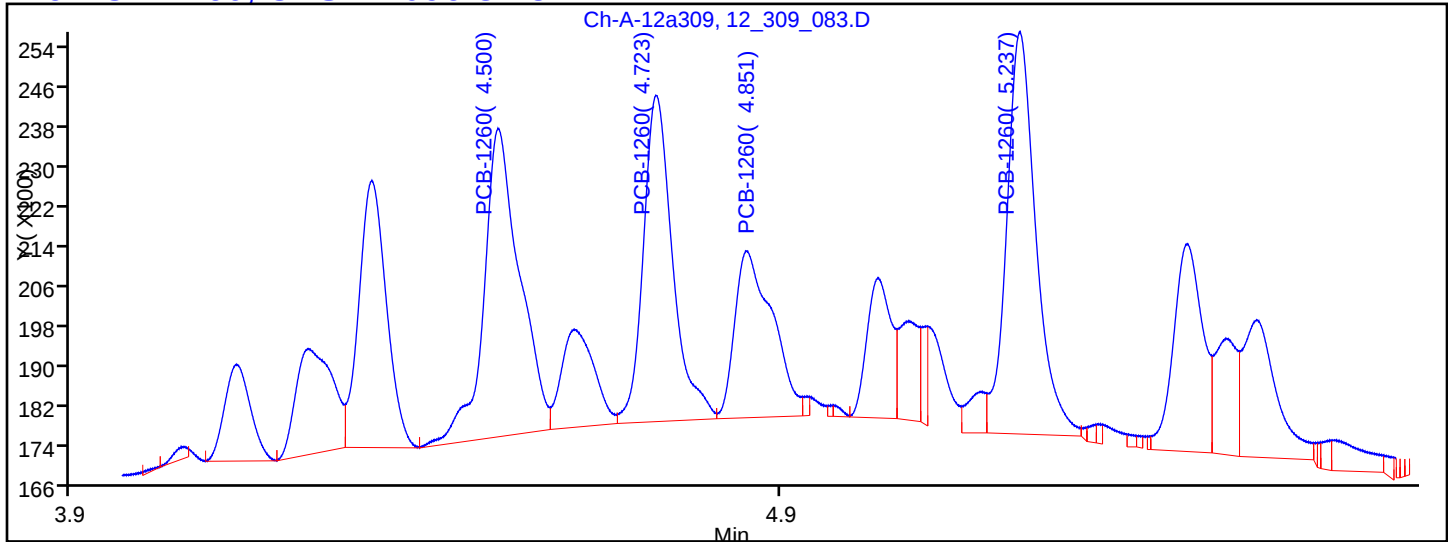
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

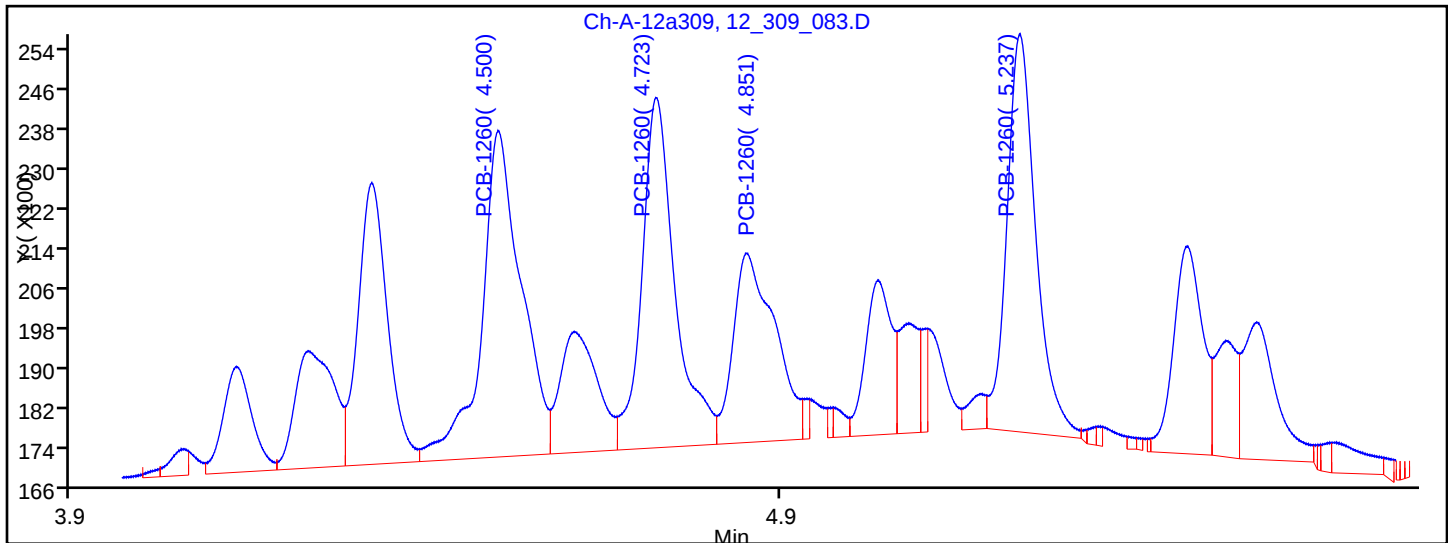
Column: ZB-5 (0.25 mm)

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.500	Response = 21926	M
RT = 4.723	Response = 18963	M
RT = 4.851	Response = 12423	M
RT = 5.237	Response = 23345	



Manual Integration Results

RT = 4.500	Response = 25687	M
RT = 4.723	Response = 22991	M
RT = 4.851	Response = 15677	M
RT = 5.237	Response = 23345	

Reviewer: eversd, 02-Oct-2014 19:31:12

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 02-Oct-2014 18:48:03 ALS Bottle#: 0 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:10 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:31:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.972	1.971	0.001	4441	0.001250	0.001370	
2	1.551	1.551	0.000	3070	0.001250	0.001600	
RPD = 15.44							

6 PCB-1016

M

1	2.553	2.552	0.001	6910	0.0500	0.0536	
1	2.695	2.695	0.000	4254	0.0500	0.0561	M
1	2.895	2.893	0.002	11283	0.0500	0.0545	M
1	2.978	2.977	0.001	4871	0.0500	0.0551	M
Average of Peak Amounts =						0.0548	
2	2.443	2.443	0.000	3564	0.0500	0.0535	M
2	2.539	2.540	-0.001	9114	0.0500	0.0533	M
2	2.654	2.655	-0.001	4196	0.0500	0.0548	M
2	3.019	3.017	0.002	4654	0.0500	0.0519	
Average of Peak Amounts =						0.0534	
RPD = 2.65							

9 PCB-1260

M

1	4.501	4.500	0.001	10652	0.0500	0.0457	
1	4.724	4.723	0.001	10794	0.0500	0.0491	
1	4.851	4.851	0.000	7572	0.0500	0.0505	
1	5.237	5.237	0.000	14304	0.0500	0.0609	
Average of Peak Amounts =						0.0515	
2	4.339	4.338	0.001	11670	0.0500	0.0558	M
2	4.645	4.644	0.001	5334	0.0500	0.0566	M
2	4.709	4.709	0.000	4305	0.0500	0.0531	M
2	4.777	4.777	0.000	12481	0.0500	0.0547	
Average of Peak Amounts =						0.0550	
RPD = 6.58							

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.737	6.736	0.001	3354	0.001250	0.001392	
2	6.052	6.050	0.002	4209	0.001250	0.001419	

RPD = 1.98

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.03

Units: mL

Report Date: 03-Oct-2014 09:17:11

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D

Injection Date: 02-Oct-2014 18:48:03

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD2

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

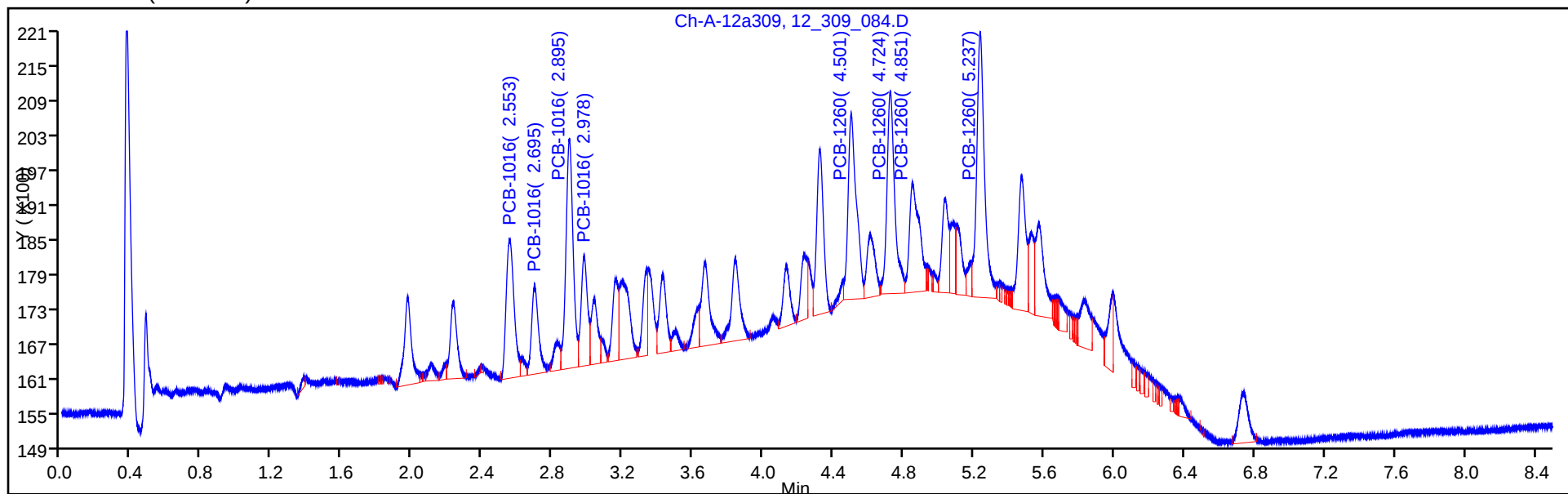
Dil. Factor: 1.0000

ALS Bottle#: 0

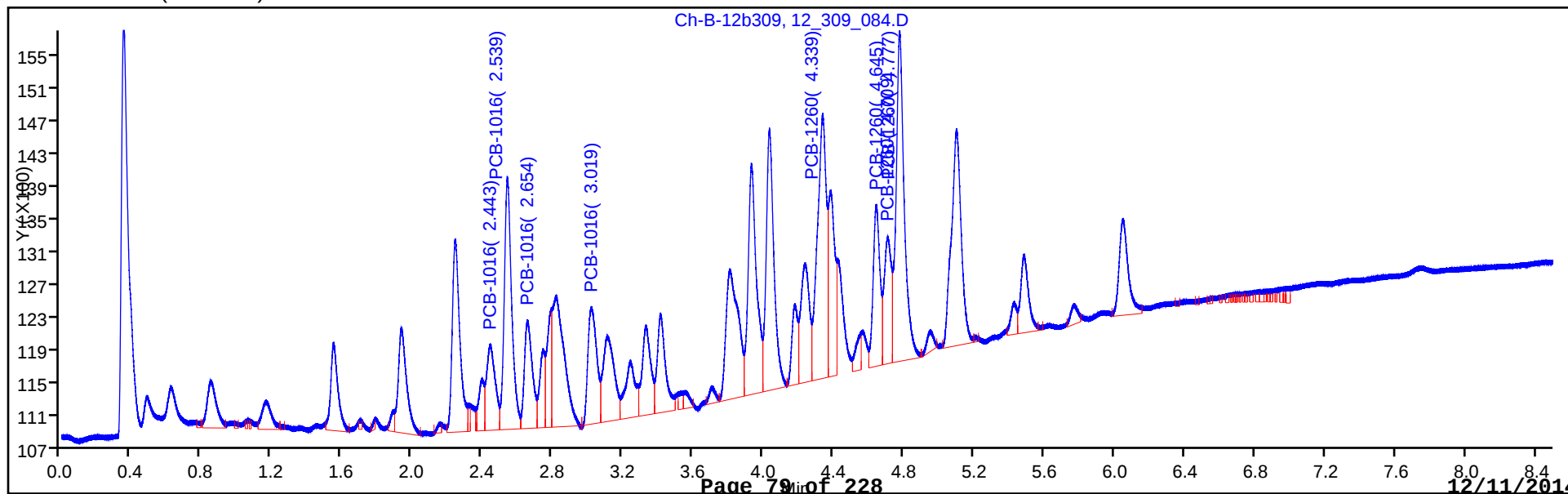
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D

Injection Date: 02-Oct-2014 18:48:03

Instrument ID: HP5890-12

Lims ID: STD2

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 6

Injection Vol: 1.0 ul

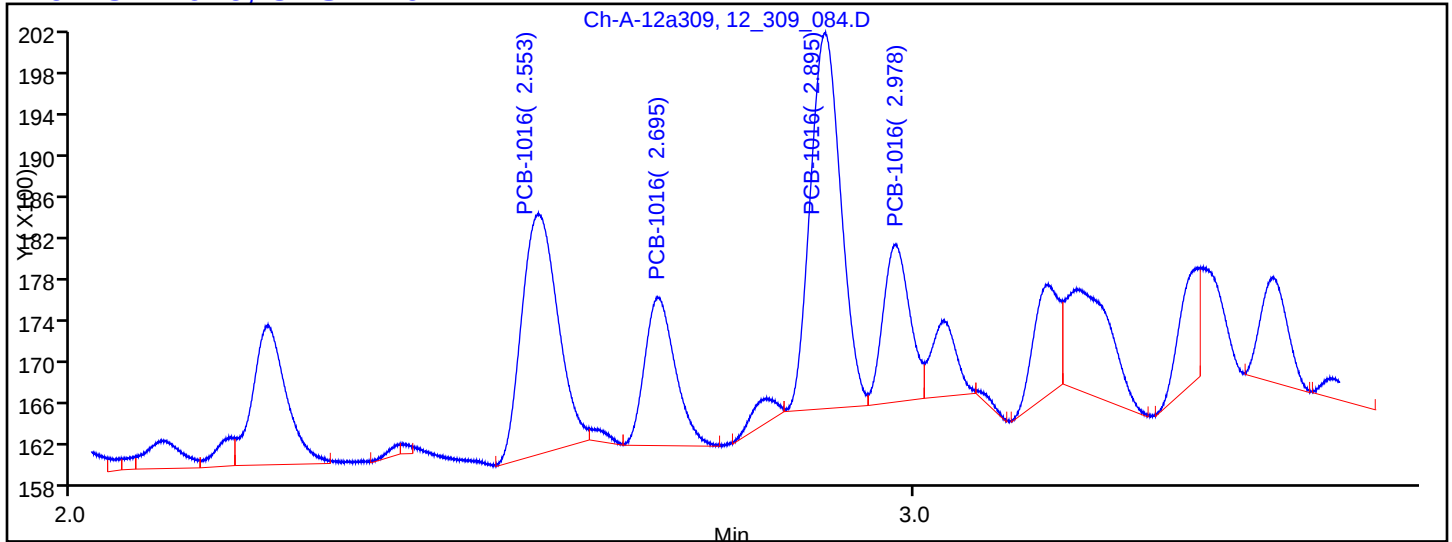
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

Detector: Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.553 Response = 6910

RT = 2.695 Response = 3601

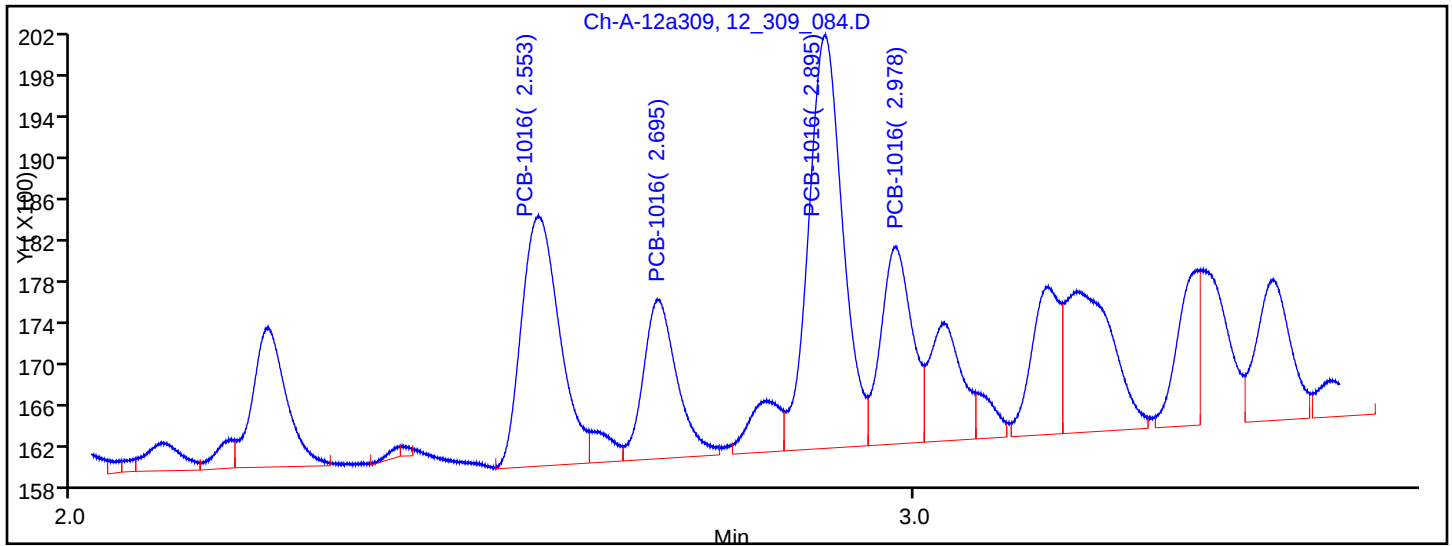
M

RT = 2.895 Response = 9126

M

RT = 2.978 Response = 3344

M



Manual Integration Results

RT = 2.553 Response = 6910

RT = 2.695 Response = 4254

M

RT = 2.895 Response = 11283

M

RT = 2.978 Response = 4871

M

Reviewer: eversd, 02-Oct-2014 19:31:59

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Oct-2014 19:02:53 ALS Bottle#: 0 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:13 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:34:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene M
 1 1.971 1.971 0.000 2454 0.000500 0.000607 M
 2 1.549 1.551 -0.002 1784 0.000500 0.000969
 RPD = 45.95

6 PCB-1016 M
 1 2.553 2.552 0.001 3260 0.0200 0.0253
 1 2.696 2.695 0.001 2005 0.0200 0.0264 M
 1 2.894 2.893 0.001 4609 0.0200 0.0222 M
 1 2.977 2.977 0.000 2090 0.0200 0.0237 M
 Average of Peak Amounts = 0.0244
 2 2.439 2.443 -0.004 1412 0.0200 0.0212 M
 2 2.539 2.540 -0.001 3677 0.0200 0.0215 M
 2 2.653 2.655 -0.002 1581 0.0200 0.0207 M
 2 3.018 3.017 0.001 2006 0.0200 0.0224 M
 Average of Peak Amounts = 0.0214
 RPD = 12.96

9 PCB-1260 M
 1 4.501 4.500 0.001 4754 0.0200 0.0204 M
 1 4.724 4.723 0.001 4396 0.0200 0.0200
 1 4.851 4.851 0.000 2908 0.0200 0.0194 M
 1 5.237 5.237 0.000 5430 0.0200 0.0231
 Average of Peak Amounts = 0.0207
 2 4.337 4.338 -0.001 4720 0.0200 0.0226 M
 2 4.645 4.644 0.001 2190 0.0200 0.0232 M
 2 4.709 4.709 0.000 1793 0.0200 0.0221 M
 2 4.777 4.777 0.000 5548 0.0200 0.0243
 Average of Peak Amounts = 0.0231
 RPD = 10.67

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl M

1	6.736	6.736	0.000	1201	0.000500	0.000498	M
2	6.054	6.050	0.004	1881	0.000500	0.000634	

RPD = 24.02

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.01

Units: mL

Report Date: 03-Oct-2014 09:17:13

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD1

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

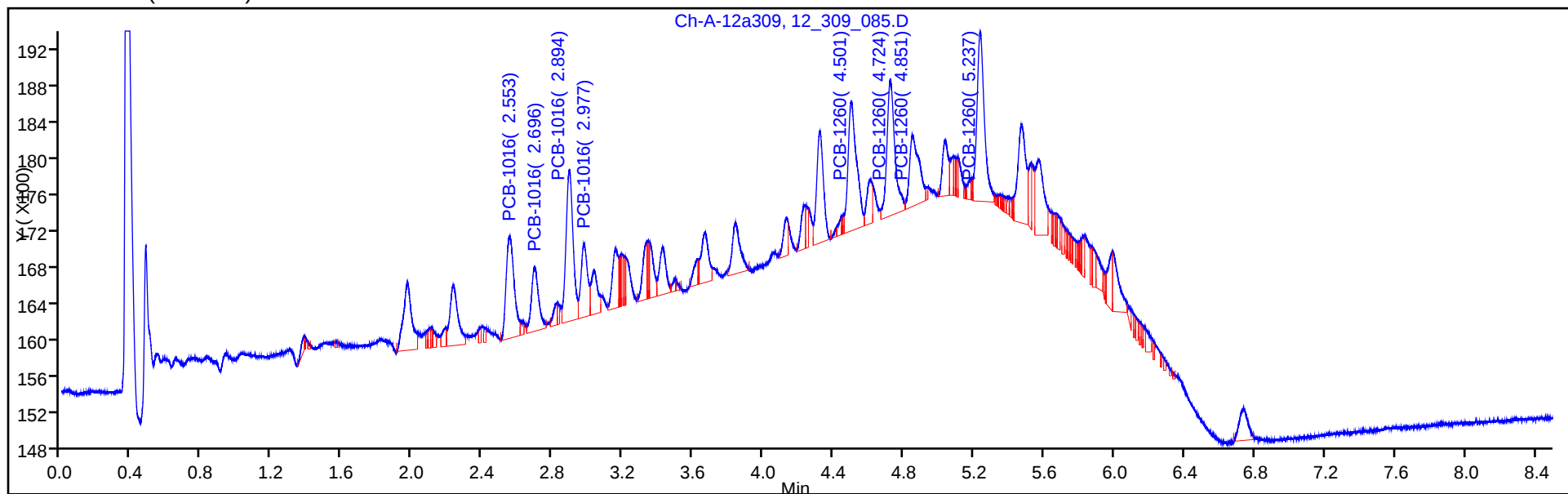
Dil. Factor: 1.0000

ALS Bottle#: 0

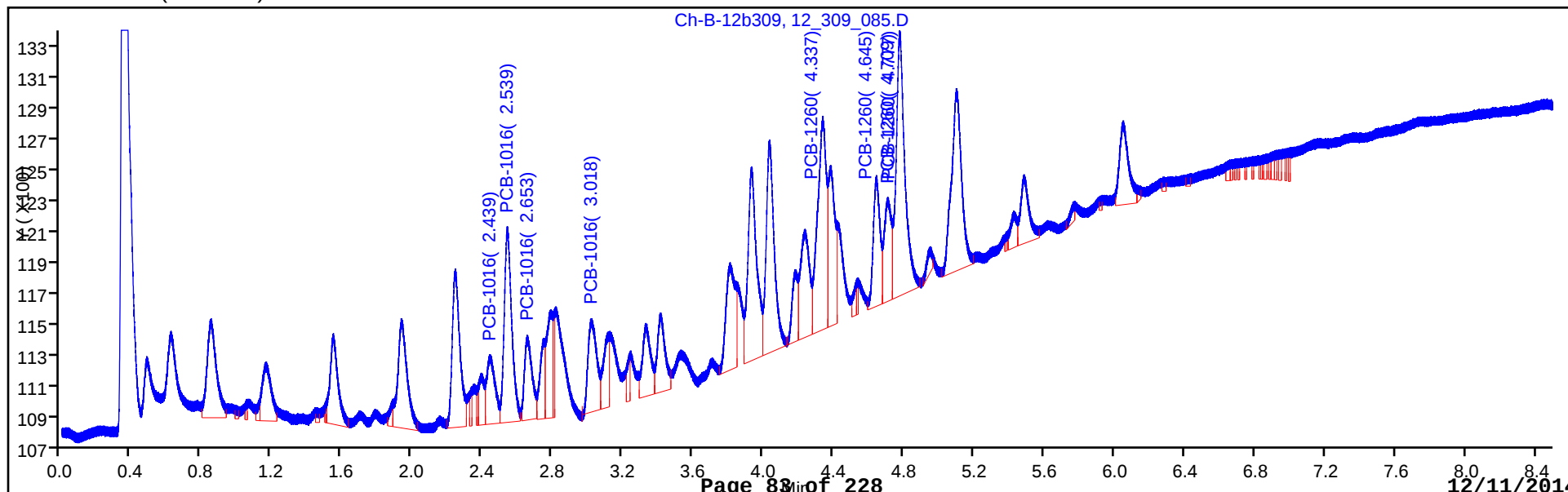
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Lims ID: STD1

Client ID:

Operator ID: buftchrom

ALS Bottle#:

0

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: hp12_pcb

Limit Group:

GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

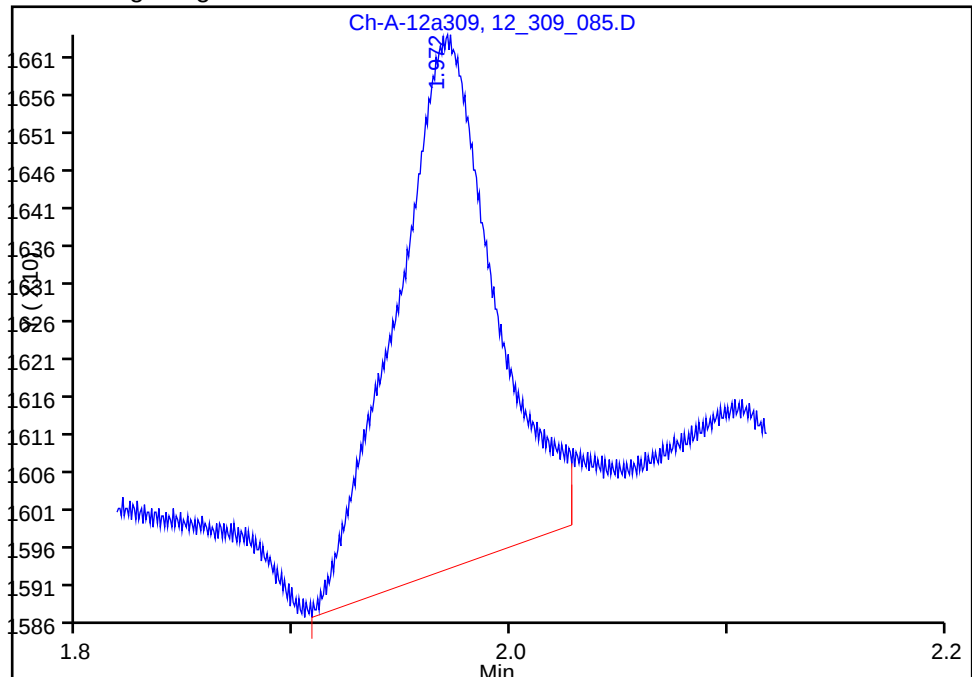
Detector

Ch-A-7A136

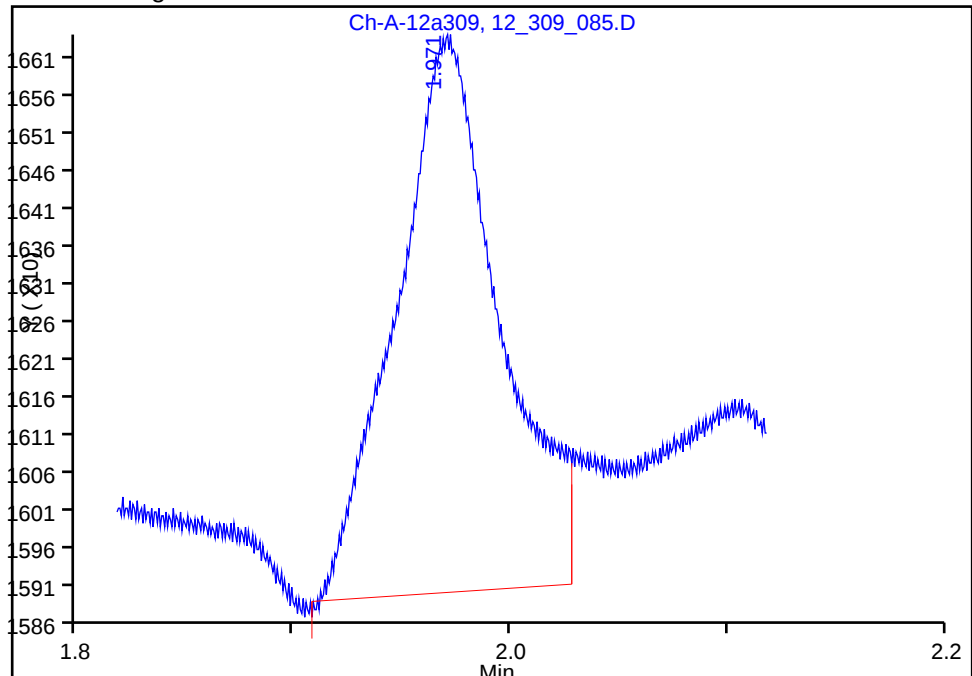
\$ 3 Tetrachloro-m-xylene, CAS: 877-09-8

RT: 1.97
Response: 2245
Amount: 0.000545

Processing Integration Results

RT: 1.97
Response: 2454
Amount: 0.000607

Manual Integration Results



Reviewer: eversd, 02-Oct-2014 19:34:09

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Lims ID: STD1

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 7

Injection Vol: 1.0 ul

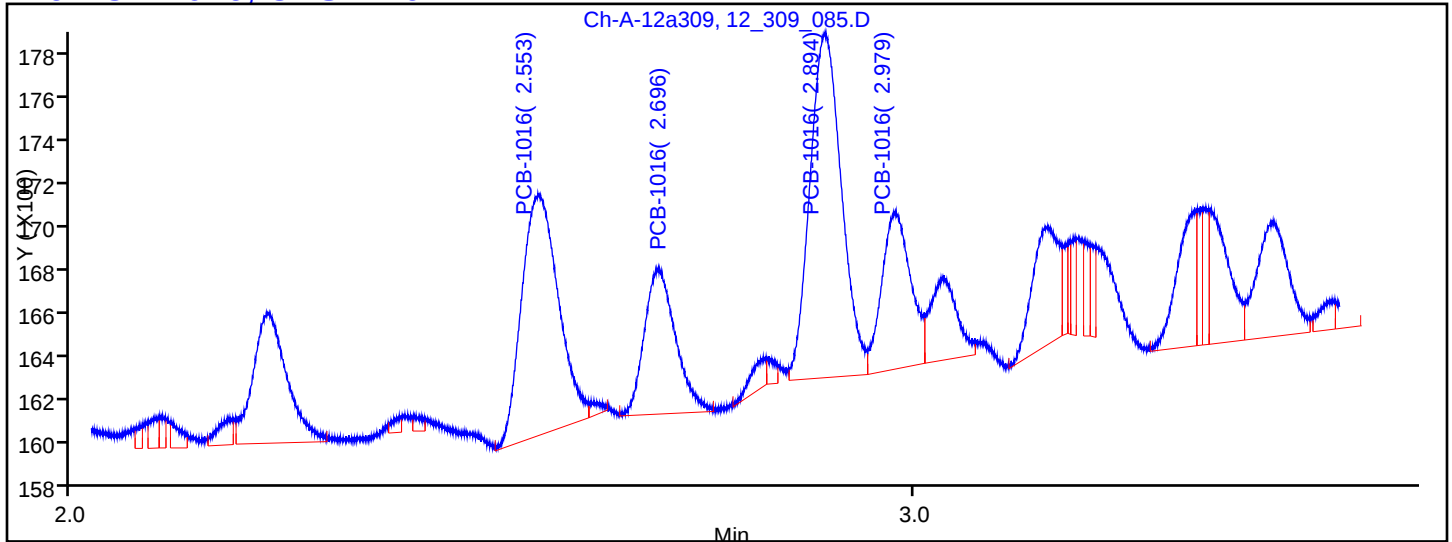
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

Detector: Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.553 Response = 3260

RT = 2.696 Response = 1664

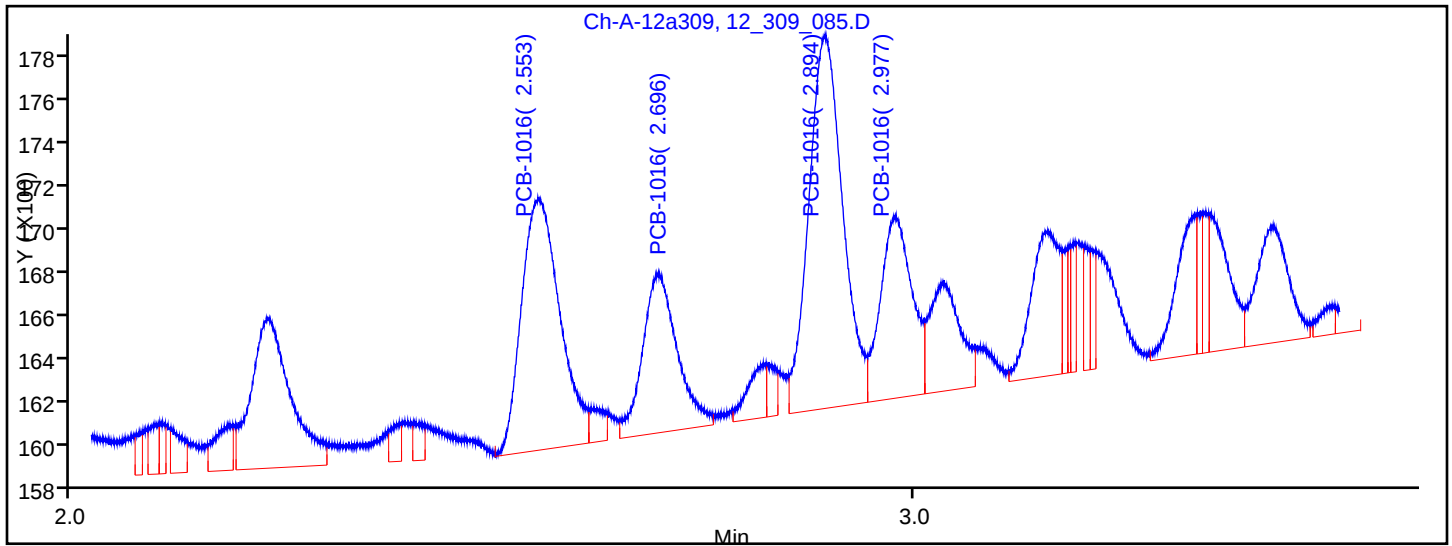
RT = 2.894 Response = 4004

RT = 2.979 Response = 1671

M

M

M



Manual Integration Results

RT = 2.553 Response = 3260

RT = 2.696 Response = 2005

RT = 2.894 Response = 4609

RT = 2.977 Response = 2090

M

M

M

Reviewer: eversd, 02-Oct-2014 19:34:09

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Lims ID: STD1

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

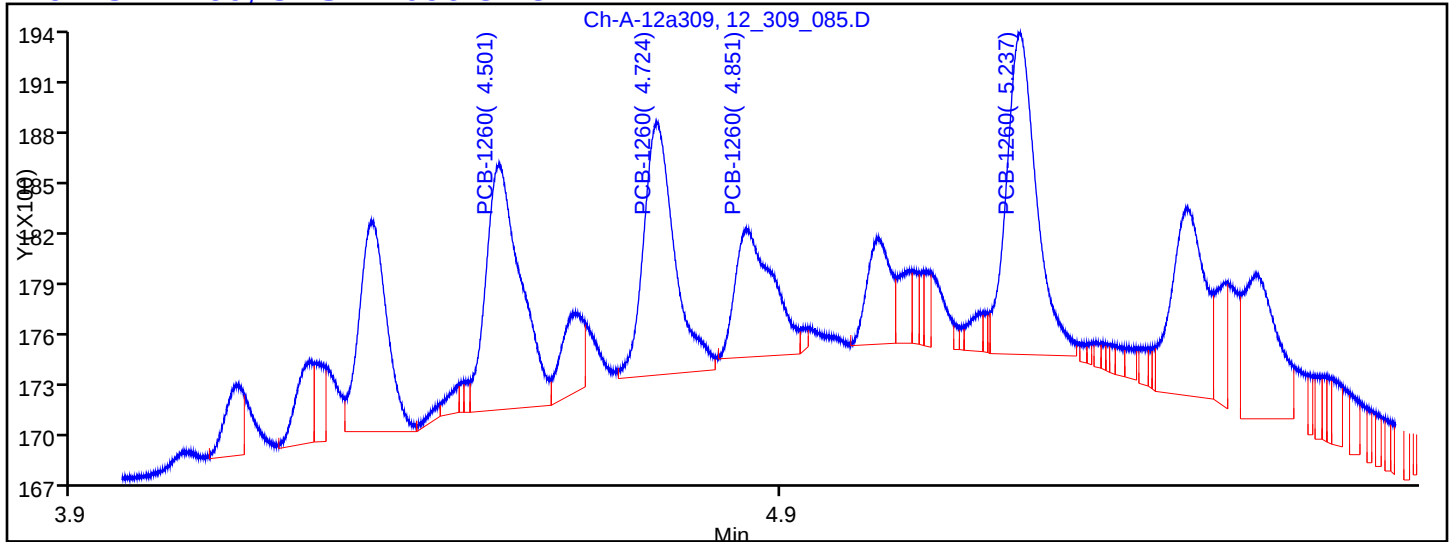
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

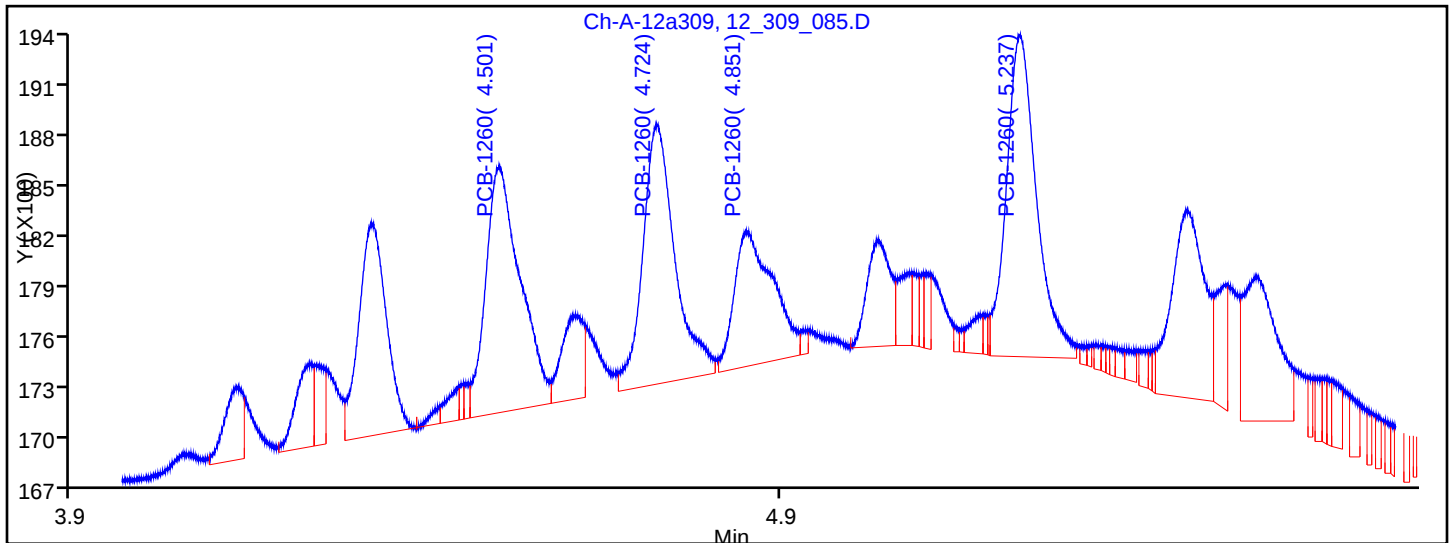
Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.501	Response = 4772	M
RT = 4.724	Response = 4396	
RT = 4.851	Response = 2711	M
RT = 5.237	Response = 5430	



Manual Integration Results

RT = 4.501	Response = 4754	M
RT = 4.724	Response = 4396	
RT = 4.851	Response = 2908	M
RT = 5.237	Response = 5430	

Reviewer: eversd, 02-Oct-2014 19:34:09

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Lims ID: STD1

Client ID:

Operator ID: buftchrom

ALS Bottle#:

0

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: hp12_pcb

Limit Group:

GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

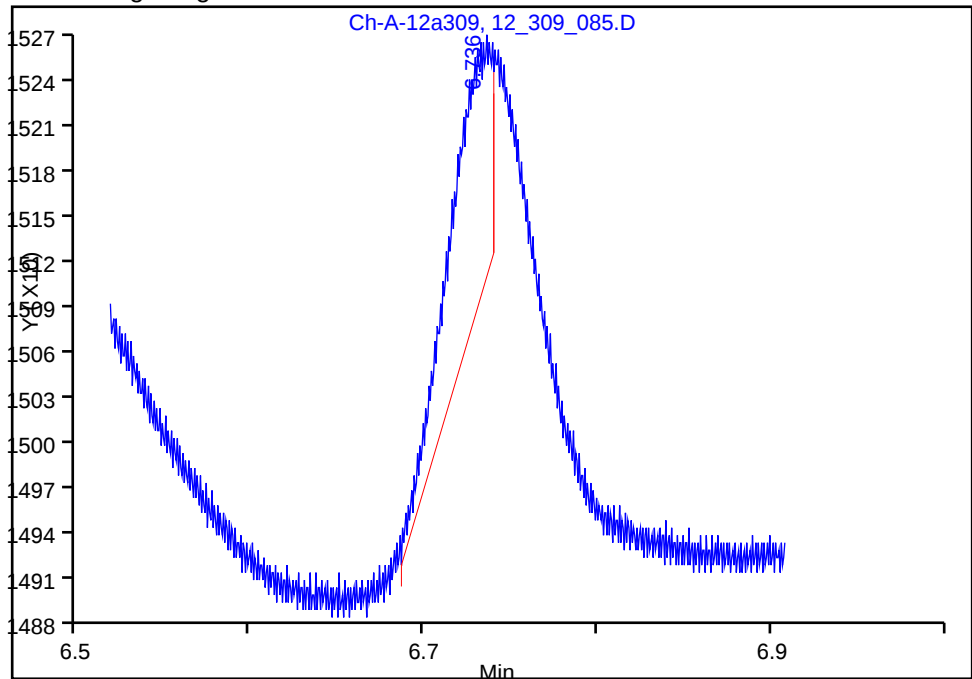
Detector

Ch-A-7A136

\$ 12 DCB Decachlorobiphenyl, CAS: 2051-24-3

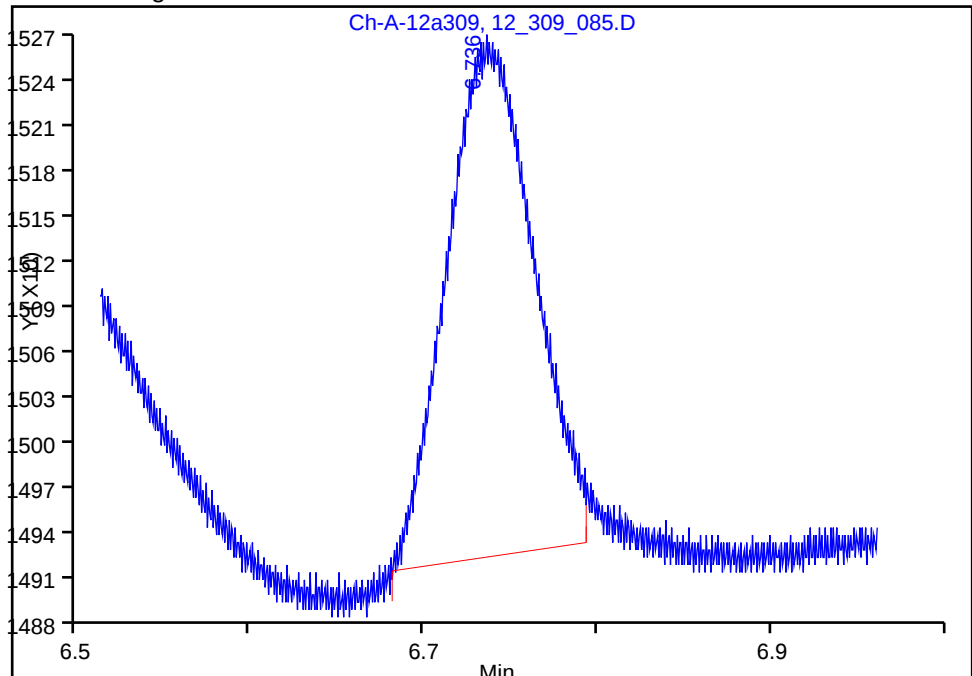
RT: 6.74
Response: 301
Amount: -0.000685

Processing Integration Results



RT: 6.74
Response: 1201
Amount: 0.000498

Manual Integration Results



Reviewer: eversd, 02-Oct-2014 19:34:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 17:33 Calibration End Date: 10/02/2014 19:02 Calibration ID: 20500

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-205708/7	12_309_085.D
Level 2	STD2 480-205708/6	12_309_084.D
Level 3	STD3 480-205708/5	12_309_083.D
Level 4	STD4 480-205708/4	12_309_082.D
Level 5	STD5 480-205708/3	12_309_081.D
Level 6	STD6 480-205708/2	12_309_080.D
Level 7	STD7 480-205708/1	12_309_079.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.439	2.443	2.443	2.442	2.442	2.440	2.439				2.413 - 2.473	2.441
PCB-1016 Peak 2	2.539	2.539	2.540	2.539	2.538	2.535	2.535				2.510 - 2.570	2.538
PCB-1016 Peak 3	2.653	2.654	2.655	2.653	2.653	2.650	2.649				2.625 - 2.685	2.652
PCB-1016 Peak 4	3.018	3.019	3.017	3.017	3.015	3.013	3.011				2.987 - 3.047	3.016
PCB-1260 Peak 1	4.337	4.339	4.338	4.335	4.336	4.334	4.334				4.308 - 4.368	4.336
PCB-1260 Peak 2	4.645	4.645	4.644	4.643	4.642	4.640	4.639				4.614 - 4.674	4.643
PCB-1260 Peak 3	4.709	4.709	4.709	4.708	4.709	4.706	4.705				4.679 - 4.739	4.708
PCB-1260 Peak 4	4.777	4.777	4.777	4.775	4.774	4.772	4.772				4.747 - 4.807	4.775
Tetrachloro-m-xylene	1.549	1.551	1.551	1.549	1.551	1.548	1.547				1.521 - 1.581	1.549
DCB Decachlorobiphenyl	6.054	6.052	6.050	6.048	6.049	6.048	6.046				6.020 - 6.080	6.050

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 17:33 Calibration End Date: 10/02/2014 19:02 Calibration ID: 20500

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-205708/7	12_309_085.D
Level 2	STD2 480-205708/6	12_309_084.D
Level 3	STD3 480-205708/5	12_309_083.D
Level 4	STD4 480-205708/4	12_309_082.D
Level 5	STD5 480-205708/3	12_309_081.D
Level 6	STD6 480-205708/2	12_309_080.D
Level 7	STD7 480-205708/1	12_309_079.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 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	70600 64564	71280 61659	71400 57105	69305	Ave		66559.0000				8.4		20.0			
PCB-1016 Peak 2	183850 166486	182280 160627	178390 155022	171285	Ave		171134.286				6.4		20.0			
PCB-1016 Peak 3	79050 74946	83920 70831	82020 67006	77790	Ave		76508.9286				7.9		20.0			
PCB-1016 Peak 4	100300 87288	93080 83244	94950 78362	90625	Ave		89692.6429				8.2		20.0			
PCB-1260 Peak 1	236000 196928	233400 187503	220860 178347	212055	Ave		209298.929				11.0		20.0			
PCB-1260 Peak 2	109500 88610	106680 83154	98020 79758	94485	Ave		94315.2143				12.0		20.0			
PCB-1260 Peak 3	89650 77346	86100 73671	87630 69581	83745	Ave		81103.2857				9.4		20.0			
PCB-1260 Peak 4	277400 209302	249620 197850	244660 187688	229755	Ave		228039.286				14.0		20.0			
Tetrachloro-m-xylene	3568000 1932400	2456000 1973560	1950400 2056420	1999200	Lin	-193.58449	2040269.68							0.9990		0.9900
DCB Decachlorobiphenyl	3762000 2699600	3367200 2503520	3142000 2311960	2971400	Ave		2965382.86				17.0		20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 17:33 Calibration End Date: 10/02/2014 19:02 Calibration ID: 20500

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-205708/7	12_309_085.D
Level 2	STD2 480-205708/6	12_309_084.D
Level 3	STD3 480-205708/5	12_309_083.D
Level 4	STD4 480-205708/4	12_309_082.D
Level 5	STD5 480-205708/3	12_309_081.D
Level 6	STD6 480-205708/2	12_309_080.D
Level 7	STD7 480-205708/1	12_309_079.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1412 61659	3564 114210	7140	13861	32282	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	3677 160627	9114 310044	17839	34257	83243	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	1581 70831	4196 134011	8202	15558	37473	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	2006 83244	4654 156723	9495	18125	43644	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	4720 187503	11670 356693	22086	42411	98464	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	2190 83154	5334 159515	9802	18897	44305	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	1793 73671	4305 139162	8763	16749	38673	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	5548 197850	12481 375376	24466	45951	104651	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Lin	1784 49339	3070 102821	4876	9996	24155	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	1881 62588	4209 115598	7855	14857	33745	0.000500 0.0250	0.00125 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_079.D
 Lims ID: STD7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 02-Oct-2014 17:33:37 ALS Bottle#: 0 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:53 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:36:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.970	1.971	-0.001	131562	0.0500	0.0502
2	1.547	1.551	-0.004	102821	0.0500	0.0505

RPD = 0.58

6 PCB-1016

1	2.549	2.552	-0.003	203323	2.00	1.58
1	2.693	2.695	-0.002	125788	2.00	1.66
1	2.891	2.893	-0.002	363114	2.00	1.75
1	2.975	2.977	-0.002	149219	2.00	1.69

Average of Peak Amounts = 1.67

2	2.439	2.443	-0.004	114210	2.00	1.72
2	2.535	2.540	-0.005	310044	2.00	1.81
2	2.649	2.655	-0.006	134011	2.00	1.75
2	3.011	3.017	-0.006	156723	2.00	1.75

Average of Peak Amounts = 1.76

RPD = 5.11

9 PCB-1260

1	4.497	4.500	-0.003	406069	2.00	1.74
1	4.721	4.723	-0.002	393010	2.00	1.79
1	4.847	4.851	-0.004	261064	2.00	1.74
1	5.233	5.237	-0.004	382708	2.00	1.63

Average of Peak Amounts = 1.72

2	4.334	4.338	-0.004	356693	2.00	1.70
2	4.639	4.644	-0.005	159515	2.00	1.69
2	4.705	4.709	-0.004	139162	2.00	1.72
2	4.772	4.777	-0.005	375376	2.00	1.65

Average of Peak Amounts = 1.69

RPD = 2.05

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_079.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.733	6.736	-0.003	102196	0.0500	0.0424	
2	6.046	6.050	-0.004	115598	0.0500	0.0390	

RPD = 8.40

Reagents:

AR1660 2.0ng_00003

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:16:54

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_079.D

Injection Date: 02-Oct-2014 17:33:37

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD7

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 ul

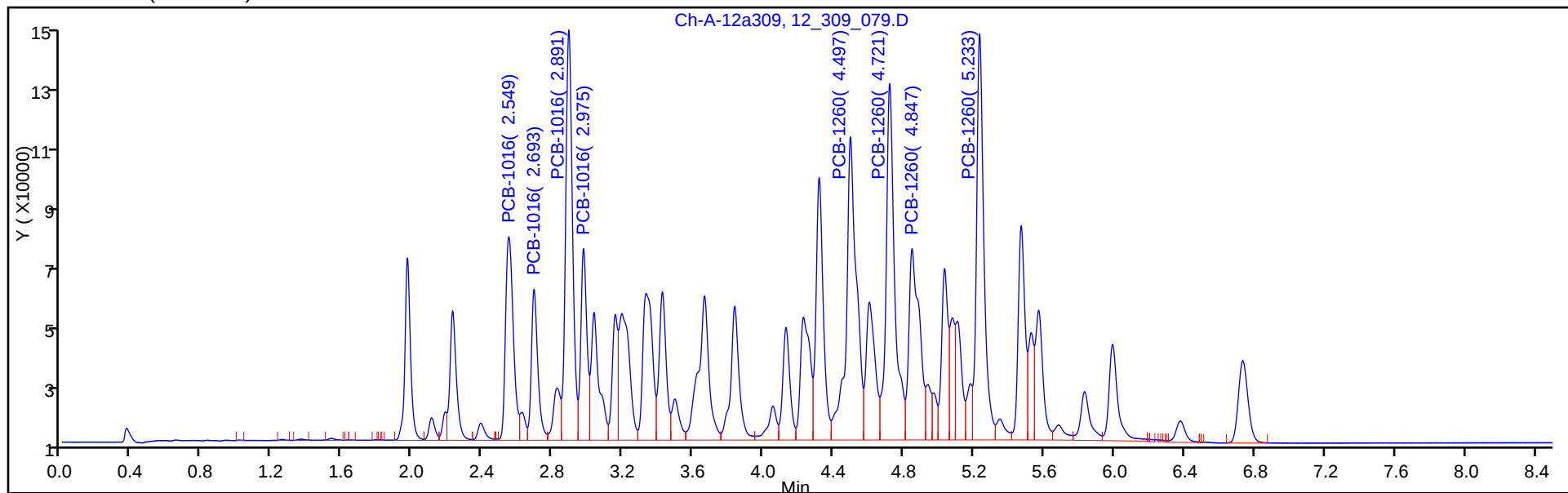
Dil. Factor: 1.0000

ALS Bottle#: 0

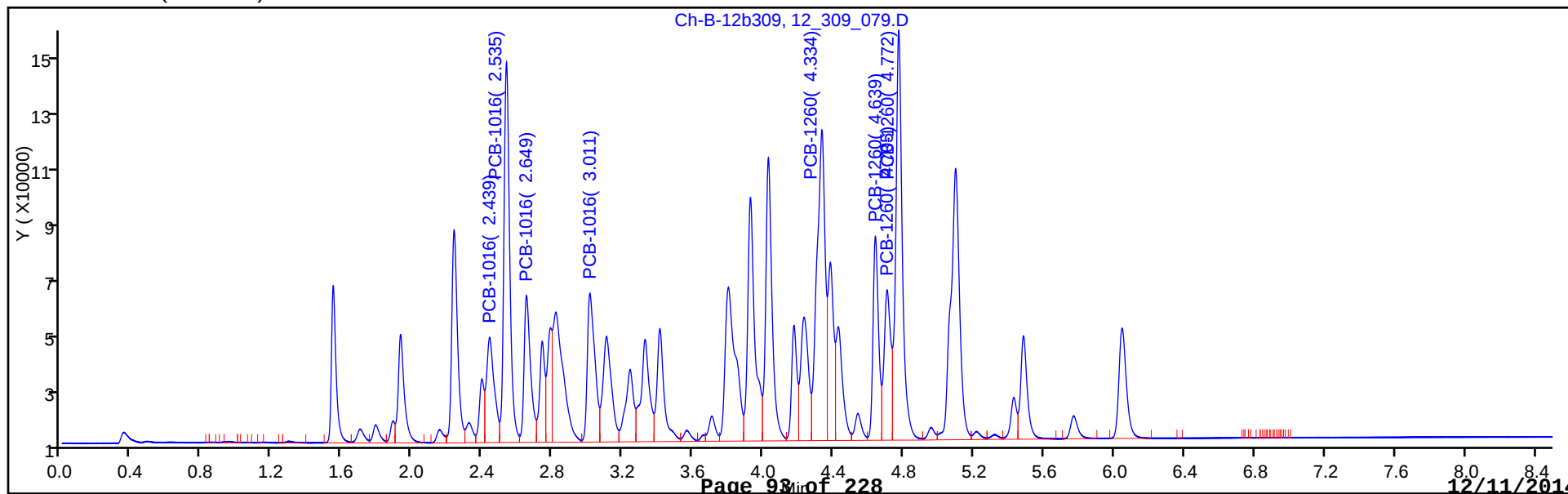
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_080.D
 Lims ID: STD6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 02-Oct-2014 17:48:29 ALS Bottle#: 0 Worklist Smp#: 2
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:55 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	65000	0.0250	0.0246	
2	1.548	1.551	-0.003	49339	0.0250	0.0243	

RPD = 1.45

6 PCB-1016

1	2.549	2.552	-0.003	109536	1.00	0.8492	
1	2.693	2.695	-0.002	66356	1.00	0.8747	
1	2.891	2.893	-0.002	189860	1.00	0.9165	
1	2.975	2.977	-0.002	78749	1.00	0.8915	
Average of Peak Amounts =						0.8830	
2	2.440	2.443	-0.003	61659	1.00	0.9264	
2	2.535	2.540	-0.005	160627	1.00	0.9386	
2	2.650	2.655	-0.005	70831	1.00	0.9258	
2	3.013	3.017	-0.004	83244	1.00	0.9281	
Average of Peak Amounts =						0.9297	

RPD = 5.15

9 PCB-1260

1	4.497	4.500	-0.003	221105	1.00	0.9482	
1	4.721	4.723	-0.002	210246	1.00	0.9567	
1	4.848	4.851	-0.003	142877	1.00	0.9522	
1	5.234	5.237	-0.003	206677	1.00	0.8793	
Average of Peak Amounts =						0.9341	
2	4.334	4.338	-0.004	187503	1.00	0.8959	
2	4.640	4.644	-0.004	83154	1.00	0.8817	
2	4.706	4.709	-0.003	73671	1.00	0.9084	
2	4.772	4.777	-0.005	197850	1.00	0.8676	
Average of Peak Amounts =						0.8884	

RPD = 5.02

\$ 12 DCB Decachlorobiphenyl

1	6.734	6.736	-0.002	54894	0.0250	0.0228	
2	6.048	6.050	-0.002	62588	0.0250	0.0211	

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.50

Units: mL

Report Date: 03-Oct-2014 09:16:56

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_080.D

Injection Date: 02-Oct-2014 17:48:29

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD6

Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul

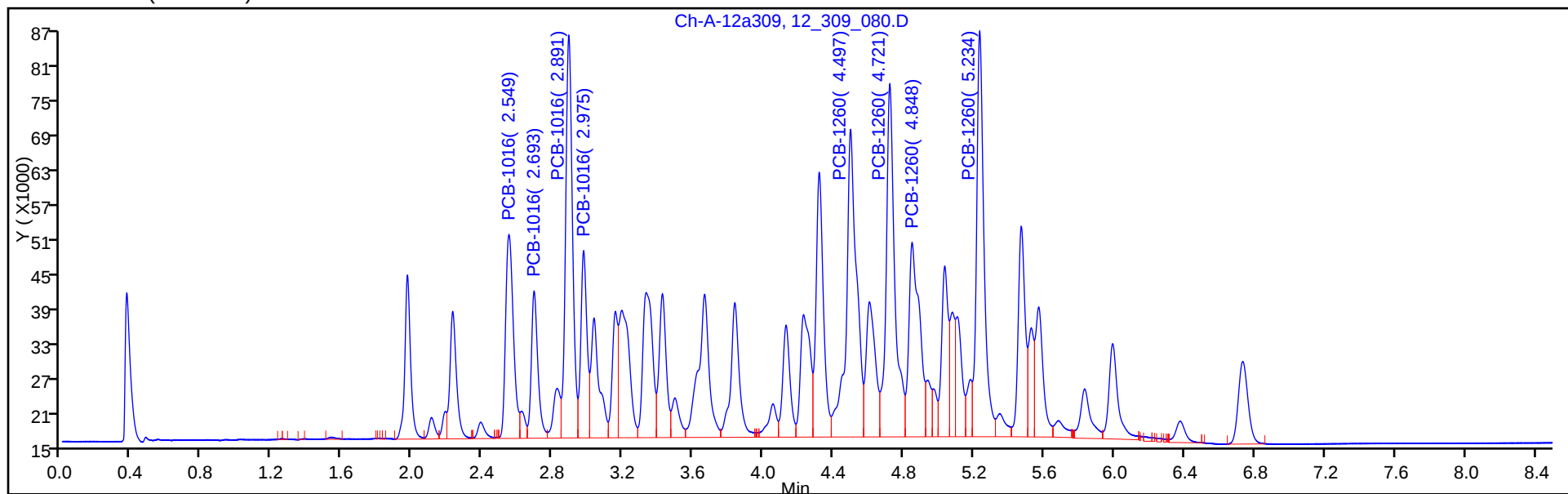
Dil. Factor: 1.0000

ALS Bottle#: 0

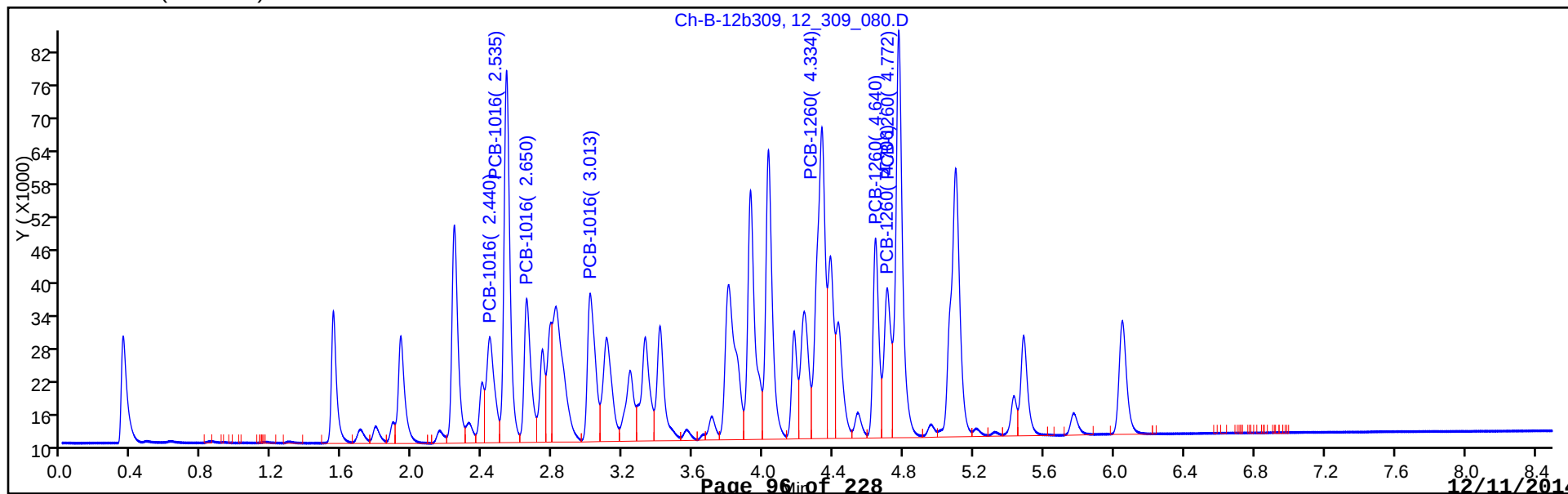
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_081.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 02-Oct-2014 18:03:20 ALS Bottle#: 0 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:57 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	33145	0.0125	0.0124	
2	1.551	1.551	0.000	24155	0.0125	0.0119	
							RPD = 3.80

6 PCB-1016

1	2.551	2.552	-0.001	59998	0.5000	0.4651	
1	2.694	2.695	-0.001	35779	0.5000	0.4716	
1	2.892	2.893	-0.001	100065	0.5000	0.4831	
1	2.976	2.977	-0.001	42256	0.5000	0.4784	
Average of Peak Amounts =							0.4746
2	2.442	2.443	-0.001	32282	0.5000	0.4850	
2	2.538	2.540	-0.002	83243	0.5000	0.4864	
2	2.653	2.655	-0.002	37473	0.5000	0.4898	
2	3.015	3.017	-0.002	43644	0.5000	0.4866	
Average of Peak Amounts =							0.4870
							RPD = 2.58

9 PCB-1260

1	4.499	4.500	-0.001	124831	0.5000	0.5353	
1	4.722	4.723	-0.001	116557	0.5000	0.5304	
1	4.849	4.851	-0.002	80990	0.5000	0.5397	
1	5.235	5.237	-0.002	114721	0.5000	0.4880	
Average of Peak Amounts =							0.5234
2	4.336	4.338	-0.002	98464	0.5000	0.4704	
2	4.642	4.644	-0.002	44305	0.5000	0.4698	
2	4.709	4.709	0.000	38673	0.5000	0.4768	
2	4.774	4.777	-0.003	104651	0.5000	0.4589	
Average of Peak Amounts =							0.4690
							RPD = 10.96

\$ 12 DCB Decachlorobiphenyl

1	6.735	6.736	-0.001	29348	0.0125	0.0122	
2	6.049	6.050	-0.001	33745	0.0125	0.0114	

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.25

Units: mL

Report Date: 03-Oct-2014 09:16:58

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_081.D

Injection Date: 02-Oct-2014 18:03:20

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD5

Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul

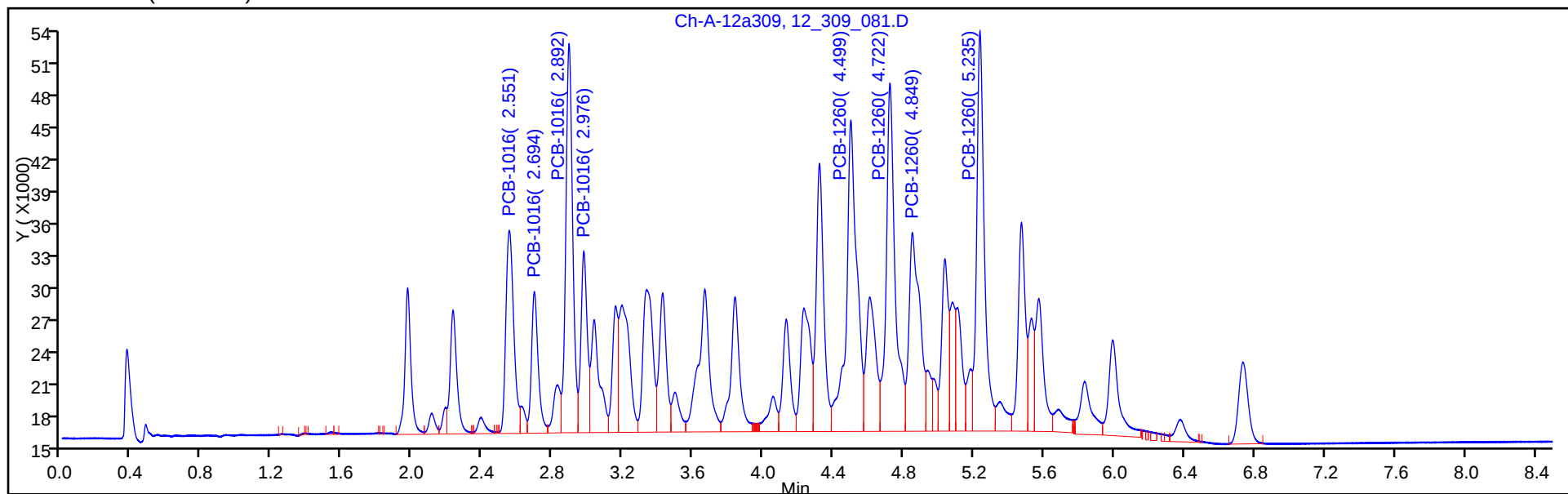
Dil. Factor: 1.0000

ALS Bottle#: 0

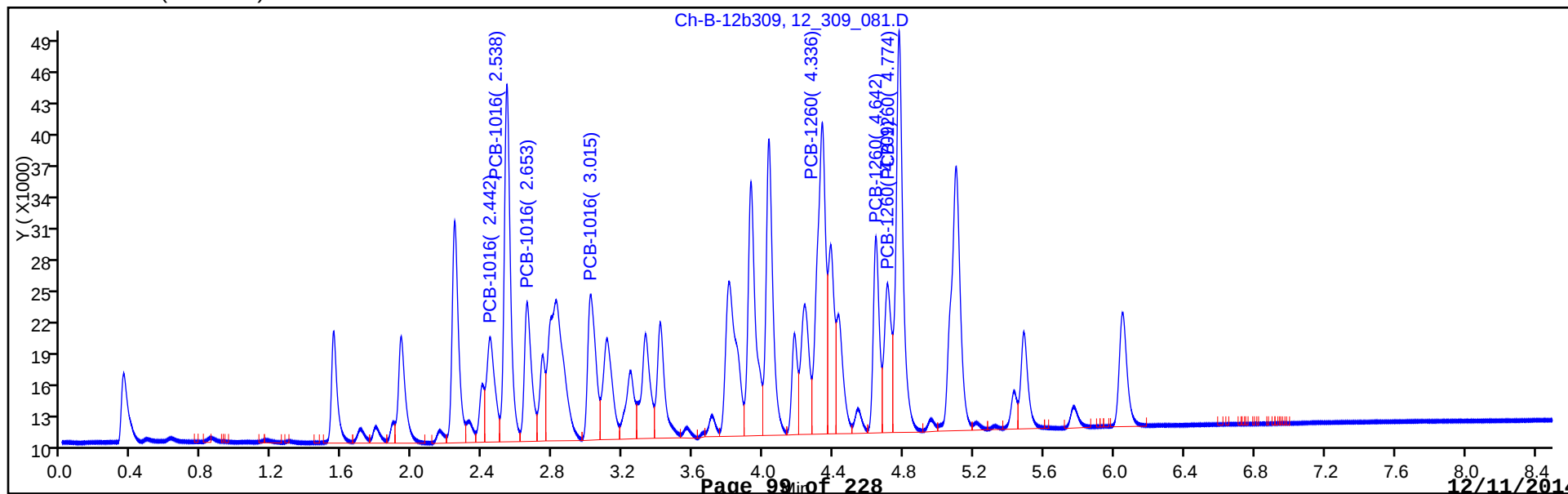
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D
 Lims ID: STD4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 02-Oct-2014 18:18:15 ALS Bottle#: 0 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:16:59 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:30:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	14135	0.005000	0.005094	
2	1.549	1.551	-0.002	9996	0.005000	0.004994	
RPD = 1.98							

6 PCB-1016

1	2.553	2.552	0.001	25885	0.2000	0.2007	M
1	2.694	2.695	-0.001	14177	0.2000	0.1869	M
1	2.893	2.893	0.000	41410	0.2000	0.1999	M
1	2.976	2.977	-0.001	17565	0.2000	0.1989	M
Average of Peak Amounts =							0.1966
2	2.442	2.443	-0.001	13861	0.2000	0.2083	M
2	2.539	2.540	-0.001	34257	0.2000	0.2002	M
2	2.653	2.655	-0.002	15558	0.2000	0.2033	M
2	3.017	3.017	0.000	18125	0.2000	0.2021	M
Average of Peak Amounts =							0.2035
RPD = 3.44							

9 PCB-1260

1	4.499	4.500	-0.001	50174	0.2000	0.2152	M
1	4.722	4.723	-0.001	46573	0.2000	0.2119	M
1	4.850	4.851	-0.001	32277	0.2000	0.2151	M
1	5.236	5.237	-0.001	45384	0.2000	0.1931	M
Average of Peak Amounts =							0.2088
2	4.335	4.338	-0.003	42411	0.2000	0.2026	M
2	4.643	4.644	-0.001	18897	0.2000	0.2004	M
2	4.708	4.709	-0.001	16749	0.2000	0.2065	M
2	4.775	4.777	-0.002	45951	0.2000	0.2015	M
Average of Peak Amounts =							0.2028
RPD = 2.95							

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.737	6.736	0.001	12851	0.005000	0.005332	
2	6.048	6.050	-0.002	14857	0.005000	0.005010	

RPD = 6.22

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.10

Units: mL

Report Date: 03-Oct-2014 09:17:06

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D

Injection Date: 02-Oct-2014 18:18:15

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD4

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul

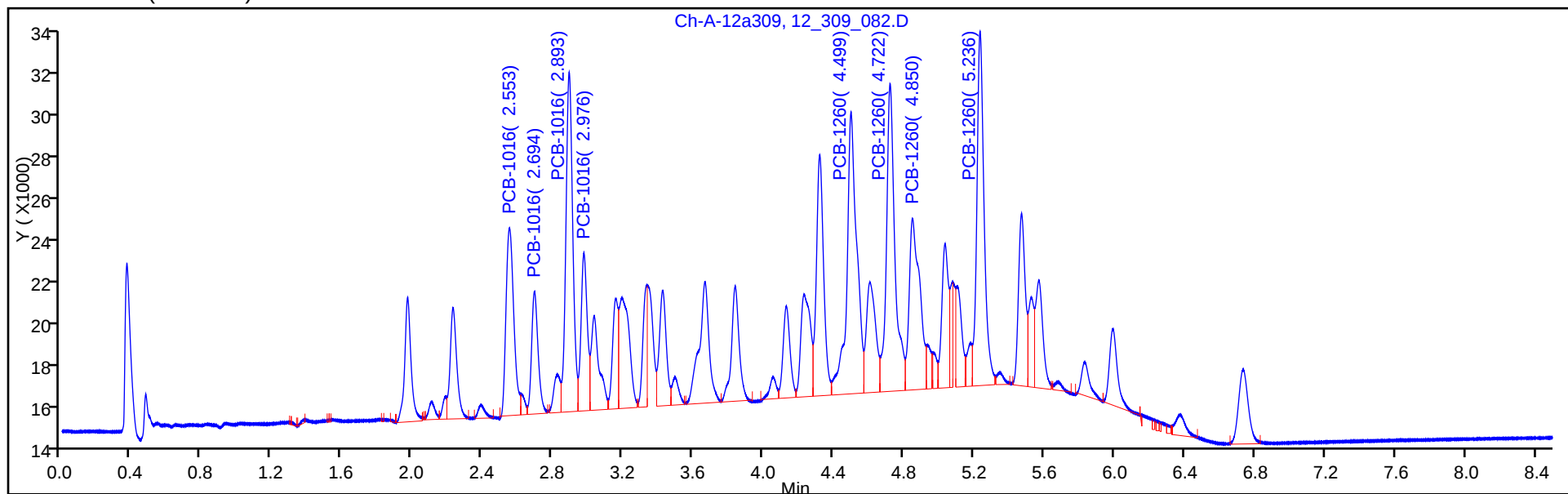
Dil. Factor: 1.0000

ALS Bottle#: 0

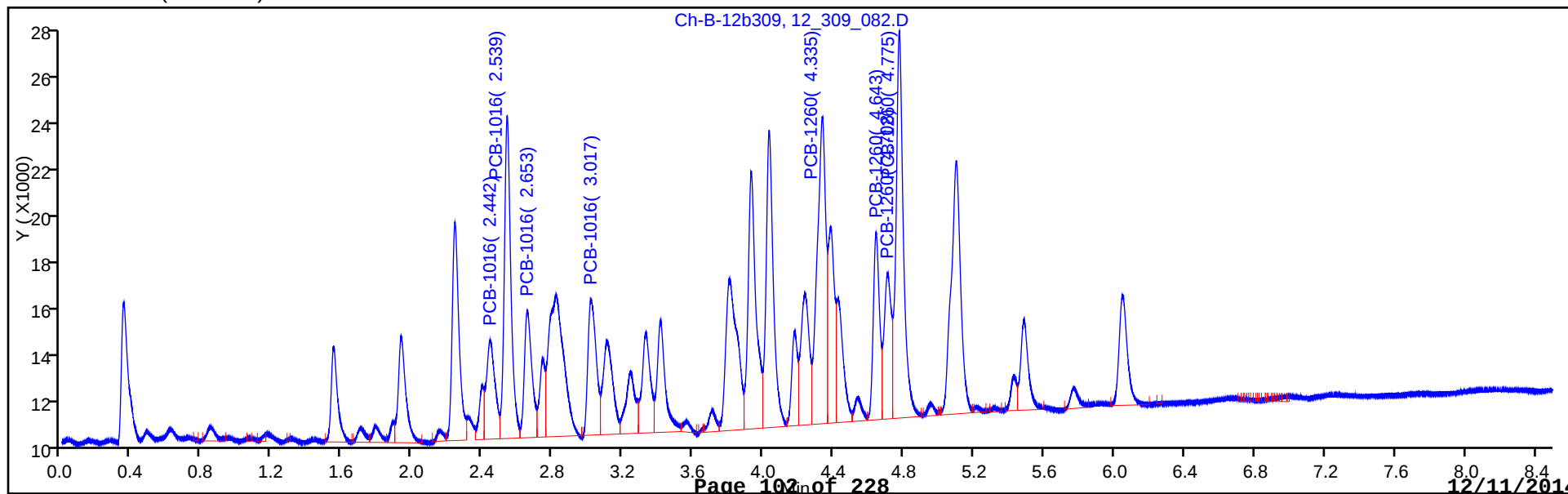
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_082.D

Injection Date: 02-Oct-2014 18:18:15

Instrument ID: HP5890-12

Lims ID: STD4

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 1.0 ul

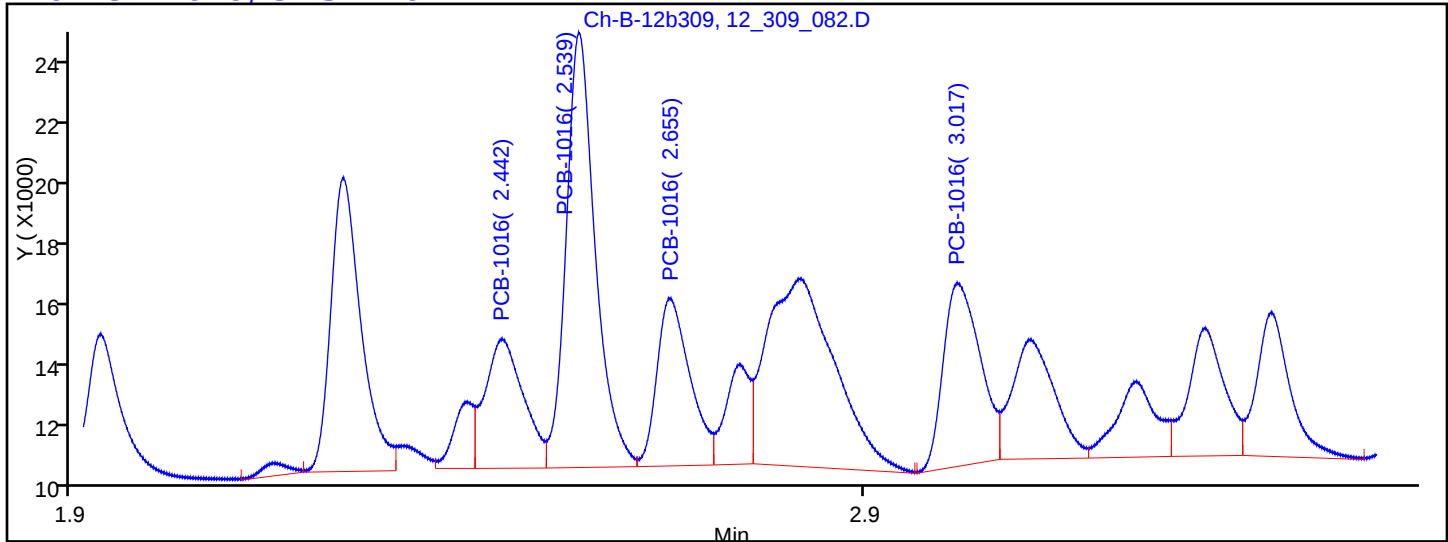
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

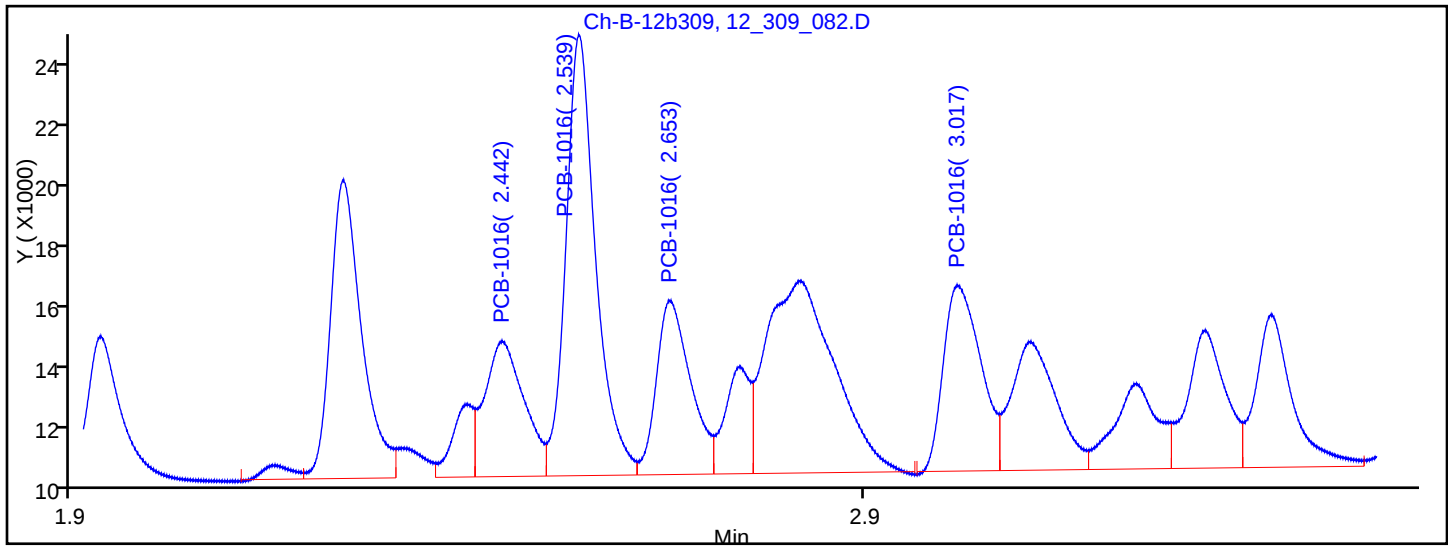
Column: ZB-35 (0.53 mm)

Detector: Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.442	Response = 12902	M
RT = 2.539	Response = 33049	M
RT = 2.655	Response = 14453	M
RT = 3.017	Response = 17648	M



Manual Integration Results

RT = 2.442	Response = 13861	M
RT = 2.539	Response = 34257	M
RT = 2.653	Response = 15558	M
RT = 3.017	Response = 18125	M

Reviewer: eversd, 02-Oct-2014 19:30:29

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\\ChromData\\HP5890-12\\20141002-35967.b\\12_309_082.D

Injection Date: 02-Oct-2014 18:18:15

Instrument ID: HP5890-12

Lims ID: STD4

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 1.0 ul

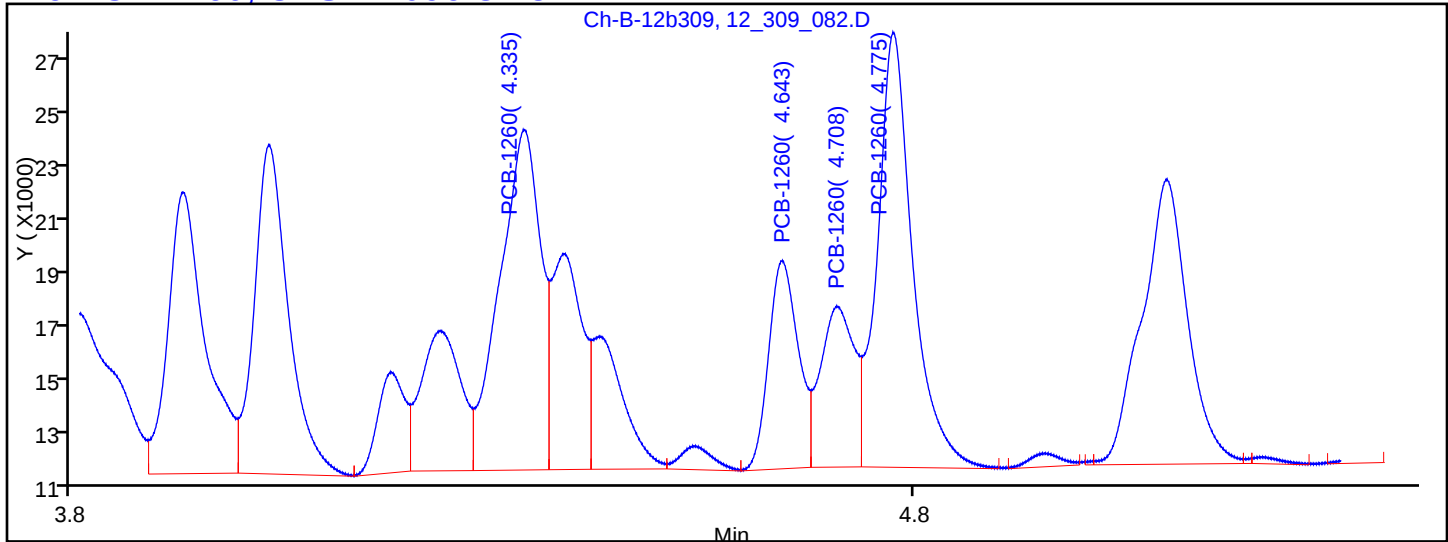
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

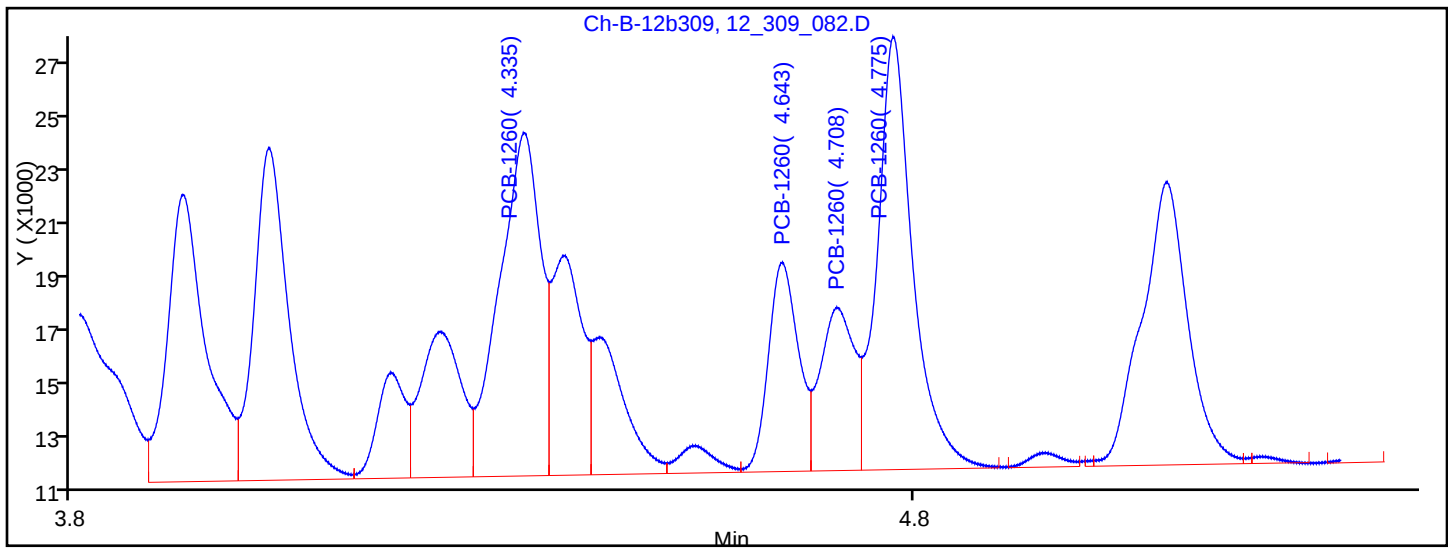
Column: ZB-35 (0.53 mm)

Detector: Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.335	Response = 41093	M
RT = 4.643	Response = 18310	M
RT = 4.708	Response = 16200	M
RT = 4.775	Response = 45265	M



Manual Integration Results

RT = 4.335	Response = 42411	M
RT = 4.643	Response = 18897	M
RT = 4.708	Response = 16749	M
RT = 4.775	Response = 45951	M

Reviewer: eversd, 02-Oct-2014 19:30:29

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D
 Lims ID: STD3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 02-Oct-2014 18:33:08 ALS Bottle#: 0 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:08 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:31:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.971	1.971	0.000	7257	0.002500	0.002452	
2	1.551	1.551	0.000	4876	0.002500	0.002485	
RPD = 1.33							

6 PCB-1016

1	2.552	2.552	0.000	14109	0.1000	0.1094	M
1	2.695	2.695	0.000	7400	0.1000	0.0975	M
1	2.893	2.893	0.000	21534	0.1000	0.1040	M
1	2.977	2.977	0.000	9069	0.1000	0.1027	M
Average of Peak Amounts =							0.1034
2	2.443	2.443	0.000	7140	0.1000	0.1073	
2	2.540	2.540	0.000	17839	0.1000	0.1042	
2	2.655	2.655	0.000	8202	0.1000	0.1072	
2	3.017	3.017	0.000	9495	0.1000	0.1059	
Average of Peak Amounts =							0.1061
RPD = 2.63							

9 PCB-1260

1	4.500	4.500	0.000	25687	0.1000	0.1102	M
1	4.723	4.723	0.000	22991	0.1000	0.1046	M
1	4.851	4.851	0.000	15677	0.1000	0.1045	M
1	5.237	5.237	0.000	23345	0.1000	0.0993	
Average of Peak Amounts =							0.1046
2	4.338	4.338	0.000	22086	0.1000	0.1055	M
2	4.644	4.644	0.000	9802	0.1000	0.1039	M
2	4.709	4.709	0.000	8763	0.1000	0.1080	M
2	4.777	4.777	0.000	24466	0.1000	0.1073	M
Average of Peak Amounts =							0.1062
RPD = 1.48							

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.736	6.736	0.000	6571	0.002500	0.002726	
2	6.050	6.050	0.000	7855	0.002500	0.002649	

RPD = 2.88

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.05

Units: mL

Report Date: 03-Oct-2014 09:17:09

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D

Injection Date: 02-Oct-2014 18:33:08

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD3

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

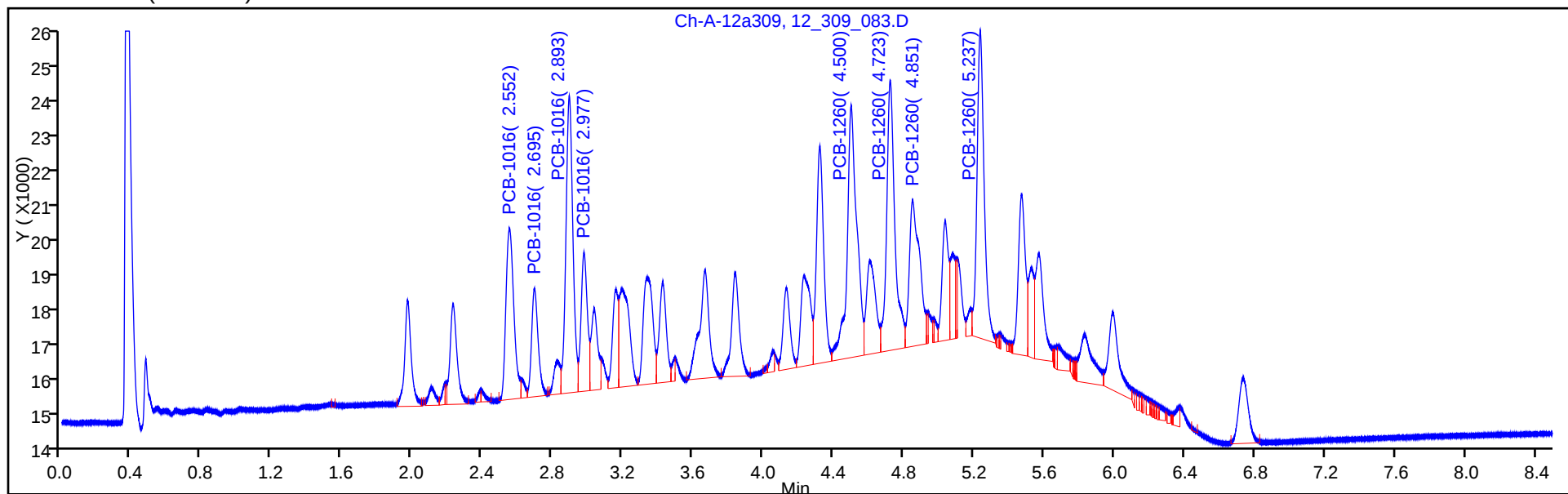
Dil. Factor: 1.0000

ALS Bottle#: 0

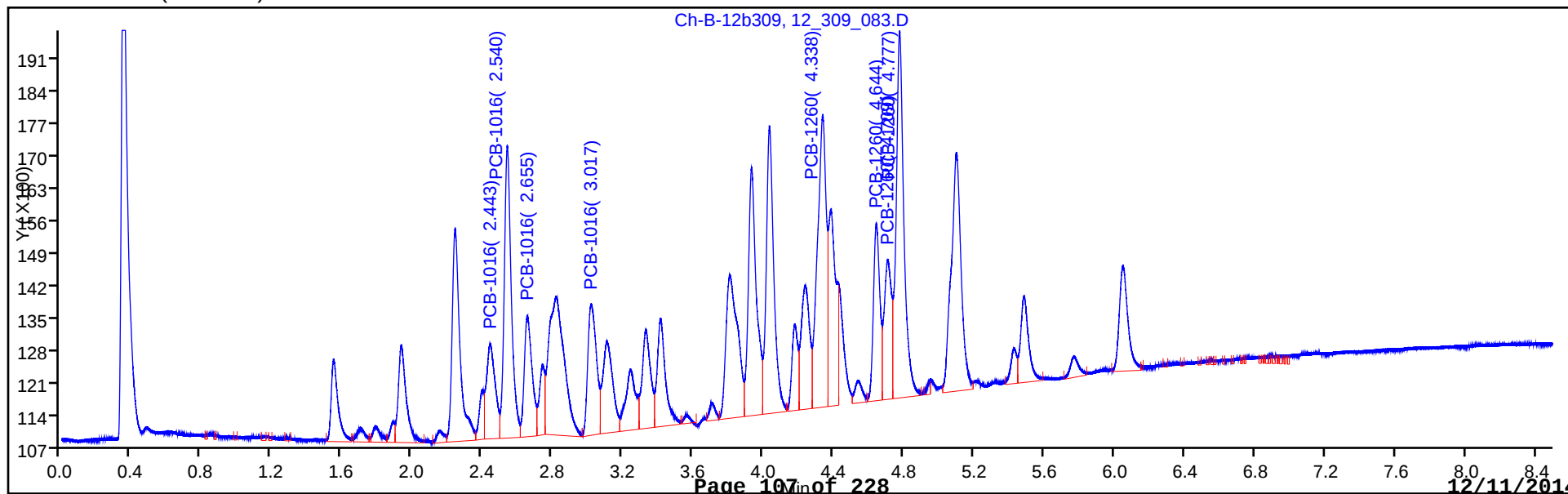
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_083.D

Injection Date: 02-Oct-2014 18:33:08

Instrument ID: HP5890-12

Lims ID: STD3

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 1.0 ul

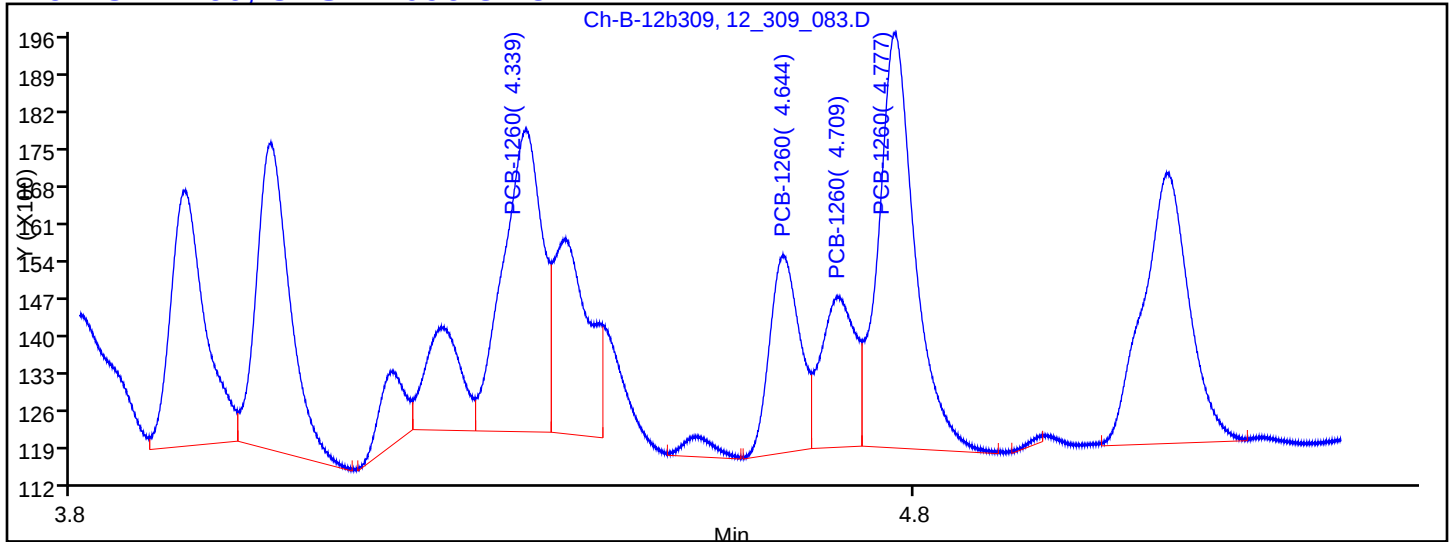
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

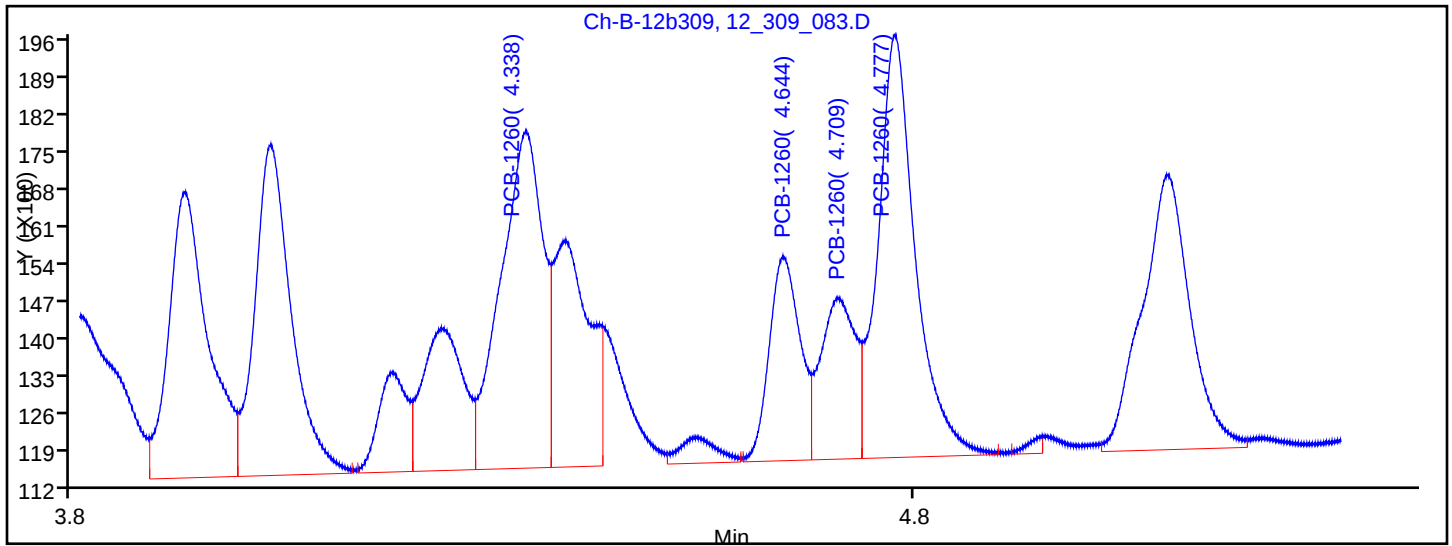
Column: ZB-35 (0.53 mm)

Detector: Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.339	Response = 18419	M
RT = 4.644	Response = 9214	M
RT = 4.709	Response = 8010	M
RT = 4.777	Response = 23387	M



Manual Integration Results

RT = 4.338	Response = 22086	M
RT = 4.644	Response = 9802	M
RT = 4.709	Response = 8763	M
RT = 4.777	Response = 24466	M

Reviewer: eversd, 02-Oct-2014 19:31:12

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 02-Oct-2014 18:48:03 ALS Bottle#: 0 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:10 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:31:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.972	1.971	0.001	4441	0.001250	0.001370	
2	1.551	1.551	0.000	3070	0.001250	0.001600	
RPD = 15.44							

6 PCB-1016

M

1	2.553	2.552	0.001	6910	0.0500	0.0536	
1	2.695	2.695	0.000	4254	0.0500	0.0561	M
1	2.895	2.893	0.002	11283	0.0500	0.0545	M
1	2.978	2.977	0.001	4871	0.0500	0.0551	M
Average of Peak Amounts =							0.0548
2	2.443	2.443	0.000	3564	0.0500	0.0535	M
2	2.539	2.540	-0.001	9114	0.0500	0.0533	M
2	2.654	2.655	-0.001	4196	0.0500	0.0548	M
2	3.019	3.017	0.002	4654	0.0500	0.0519	
Average of Peak Amounts =							0.0534
RPD = 2.65							

9 PCB-1260

M

1	4.501	4.500	0.001	10652	0.0500	0.0457	
1	4.724	4.723	0.001	10794	0.0500	0.0491	
1	4.851	4.851	0.000	7572	0.0500	0.0505	
1	5.237	5.237	0.000	14304	0.0500	0.0609	
Average of Peak Amounts =							0.0515
2	4.339	4.338	0.001	11670	0.0500	0.0558	M
2	4.645	4.644	0.001	5334	0.0500	0.0566	M
2	4.709	4.709	0.000	4305	0.0500	0.0531	M
2	4.777	4.777	0.000	12481	0.0500	0.0547	
Average of Peak Amounts =							0.0550
RPD = 6.58							

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.737	6.736	0.001	3354	0.001250	0.001392	
2	6.052	6.050	0.002	4209	0.001250	0.001419	

RPD = 1.98

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.03

Units: mL

Report Date: 03-Oct-2014 09:17:11

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D

Injection Date: 02-Oct-2014 18:48:03

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD2

Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul

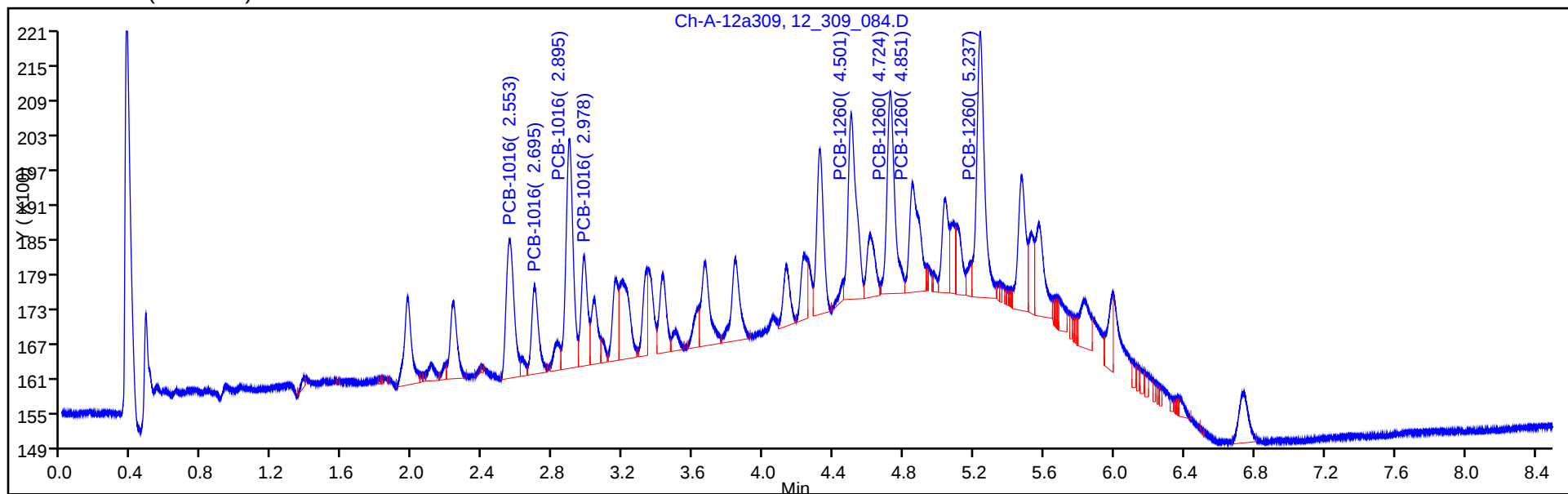
Dil. Factor: 1.0000

ALS Bottle#: 0

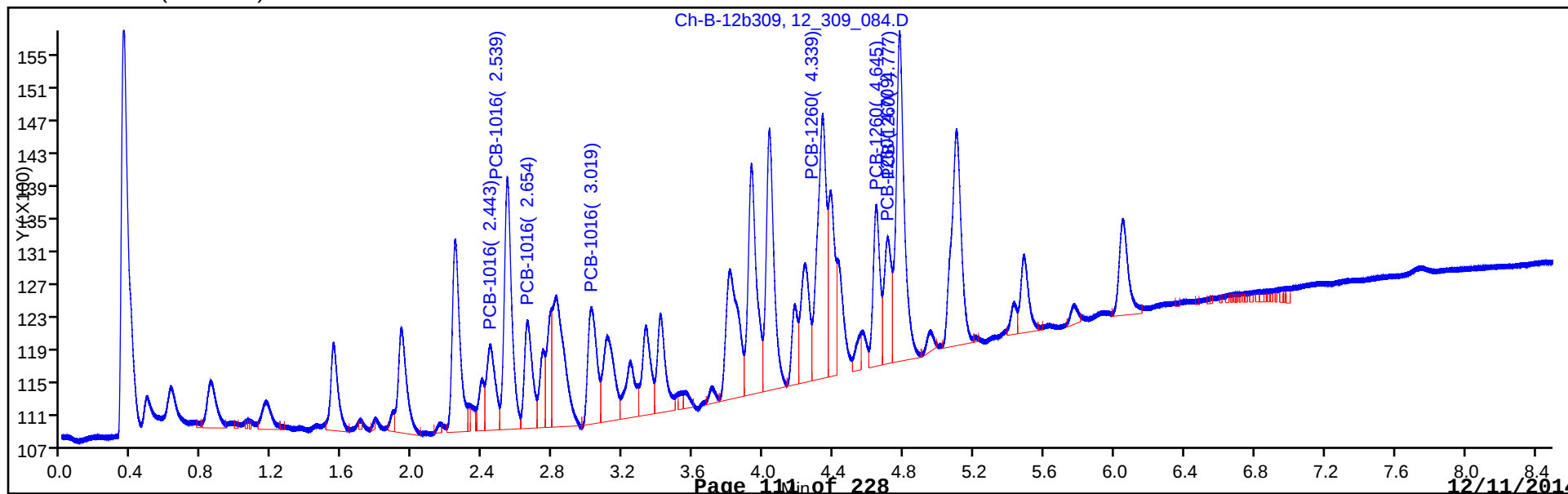
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D

Injection Date: 02-Oct-2014 18:48:03

Instrument ID: HP5890-12

Lims ID: STD2

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 6

Injection Vol: 1.0 ul

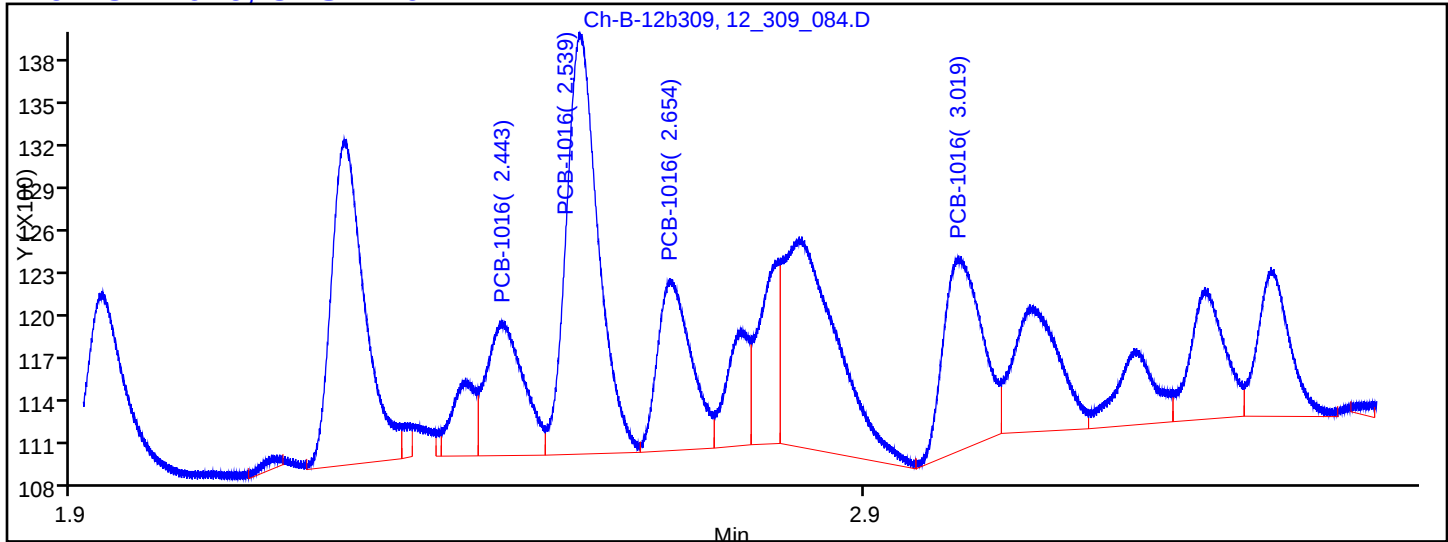
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

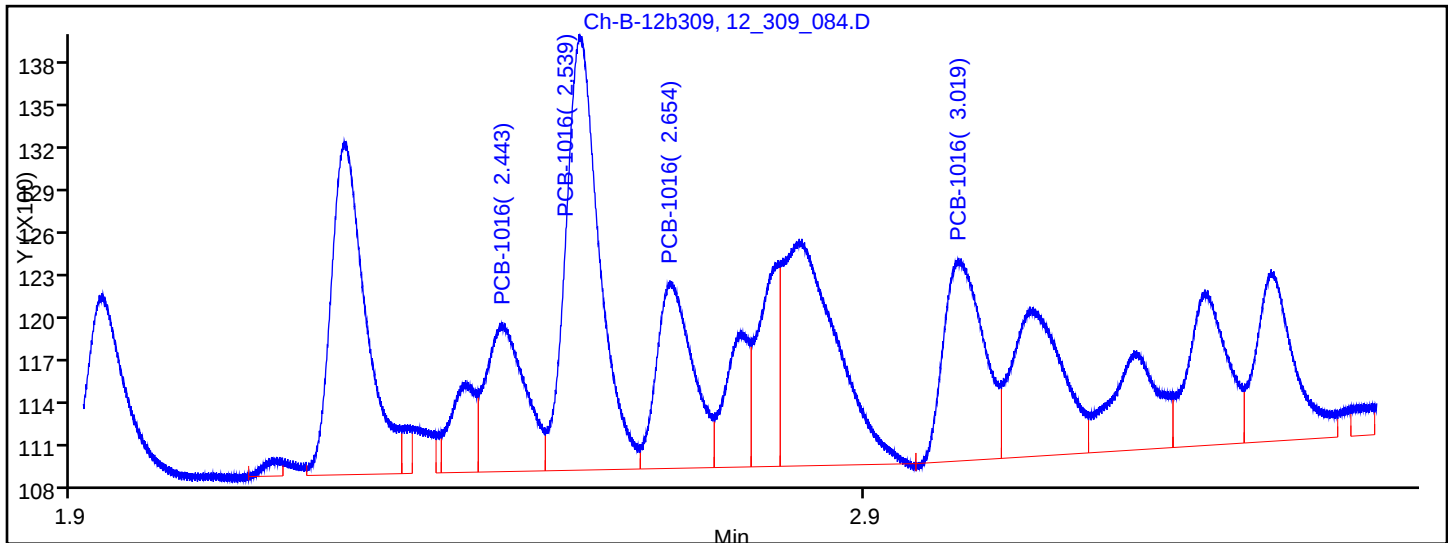
Column: ZB-35 (0.53 mm)

Detector: Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.443	Response = 3071	M
RT = 2.539	Response = 8405	M
RT = 2.654	Response = 3569	M
RT = 3.019	Response = 4654	



Manual Integration Results

RT = 2.443	Response = 3564	M
RT = 2.539	Response = 9114	M
RT = 2.654	Response = 4196	M
RT = 3.019	Response = 4654	

Reviewer: eversd, 02-Oct-2014 19:31:59

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_084.D

Injection Date: 02-Oct-2014 18:48:03

Instrument ID: HP5890-12

Lims ID: STD2

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 6

Injection Vol: 1.0 ul

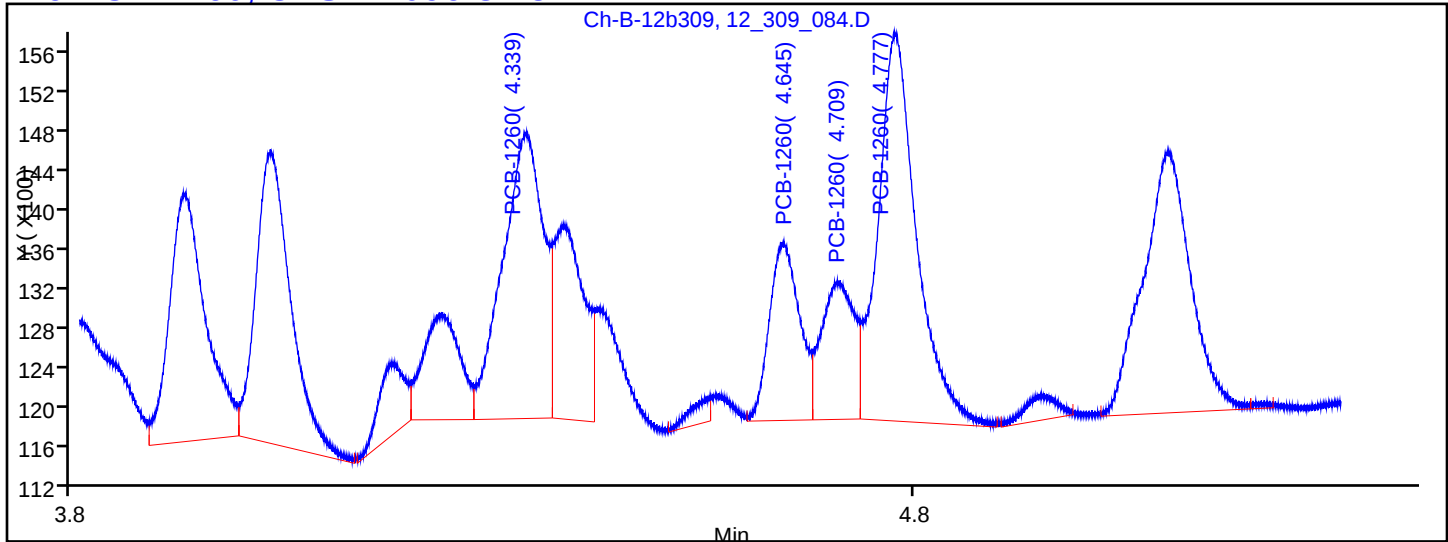
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

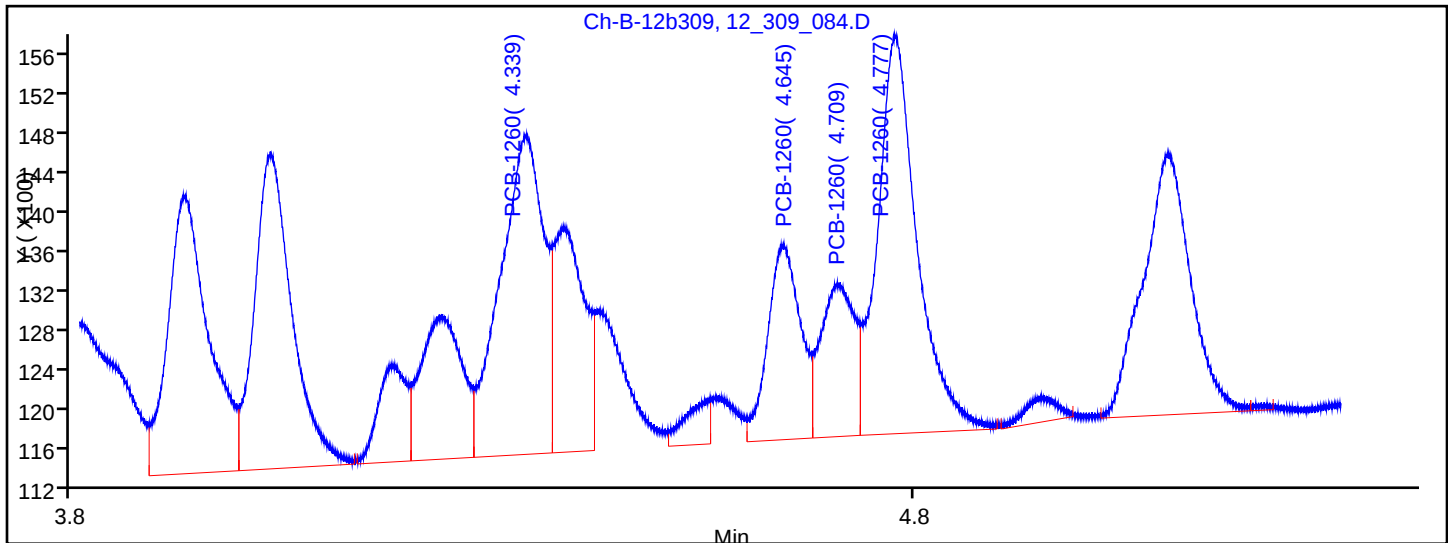
Column: ZB-35 (0.53 mm)

Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.339	Response = 9724	M
RT = 4.645	Response = 4508	M
RT = 4.709	Response = 3778	M
RT = 4.777	Response = 12481	



Manual Integration Results

RT = 4.339	Response = 11670	M
RT = 4.645	Response = 5334	M
RT = 4.709	Response = 4305	M
RT = 4.777	Response = 12481	

Reviewer: eversd, 02-Oct-2014 19:31:59

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Oct-2014 19:02:53 ALS Bottle#: 0 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub1
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:13 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 02-Oct-2014 19:34:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 3 Tetrachloro-m-xylene M
 1 1.971 1.971 0.000 2454 0.000500 0.000607 M
 2 1.549 1.551 -0.002 1784 0.000500 0.000969
 RPD = 45.95

6 PCB-1016 M
 1 2.553 2.552 0.001 3260 0.0200 0.0253
 1 2.696 2.695 0.001 2005 0.0200 0.0264 M
 1 2.894 2.893 0.001 4609 0.0200 0.0222 M
 1 2.977 2.977 0.000 2090 0.0200 0.0237 M
 Average of Peak Amounts = 0.0244
 2 2.439 2.443 -0.004 1412 0.0200 0.0212 M
 2 2.539 2.540 -0.001 3677 0.0200 0.0215 M
 2 2.653 2.655 -0.002 1581 0.0200 0.0207 M
 2 3.018 3.017 0.001 2006 0.0200 0.0224 M
 Average of Peak Amounts = 0.0214
 RPD = 12.96

9 PCB-1260 M
 1 4.501 4.500 0.001 4754 0.0200 0.0204 M
 1 4.724 4.723 0.001 4396 0.0200 0.0200
 1 4.851 4.851 0.000 2908 0.0200 0.0194 M
 1 5.237 5.237 0.000 5430 0.0200 0.0231
 Average of Peak Amounts = 0.0207
 2 4.337 4.338 -0.001 4720 0.0200 0.0226 M
 2 4.645 4.644 0.001 2190 0.0200 0.0232 M
 2 4.709 4.709 0.000 1793 0.0200 0.0221 M
 2 4.777 4.777 0.000 5548 0.0200 0.0243
 Average of Peak Amounts = 0.0231
 RPD = 10.67

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl M
1 6.736 6.736 0.000 1201 0.000500 0.000498 M
2 6.054 6.050 0.004 1881 0.000500 0.000634
RPD = 24.02

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 2.0ng_00003

Amount Added: 0.01

Units: mL

Report Date: 03-Oct-2014 09:17:14

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD1

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

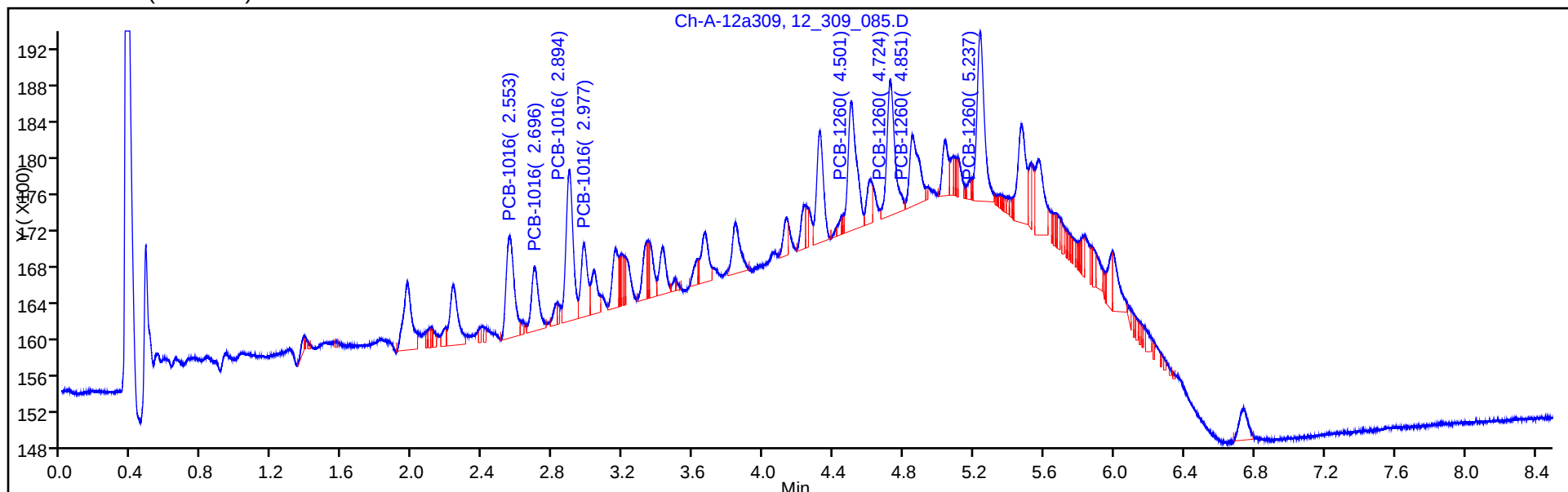
Dil. Factor: 1.0000

ALS Bottle#: 0

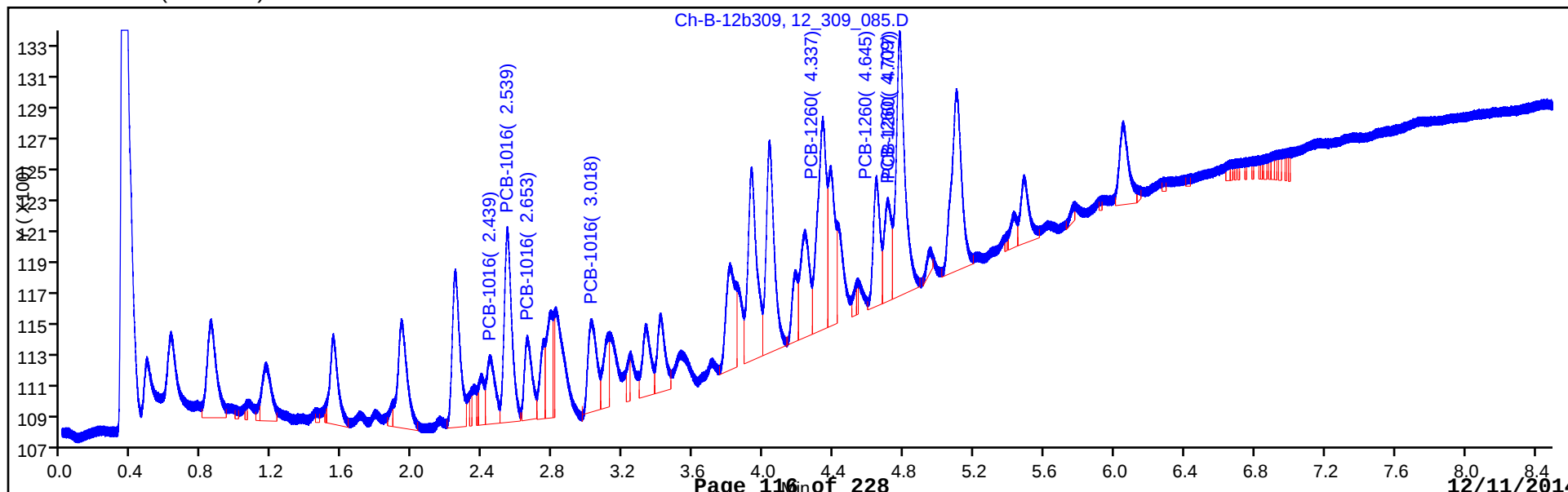
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Lims ID: STD1

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 7

Injection Vol: 1.0 ul

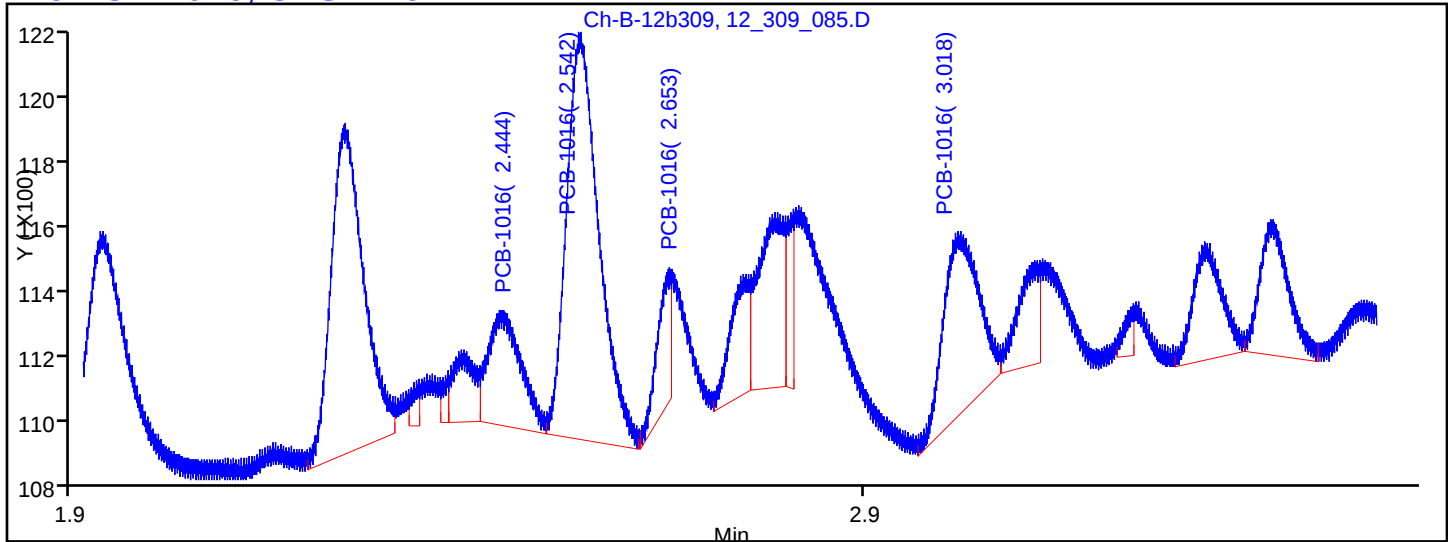
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

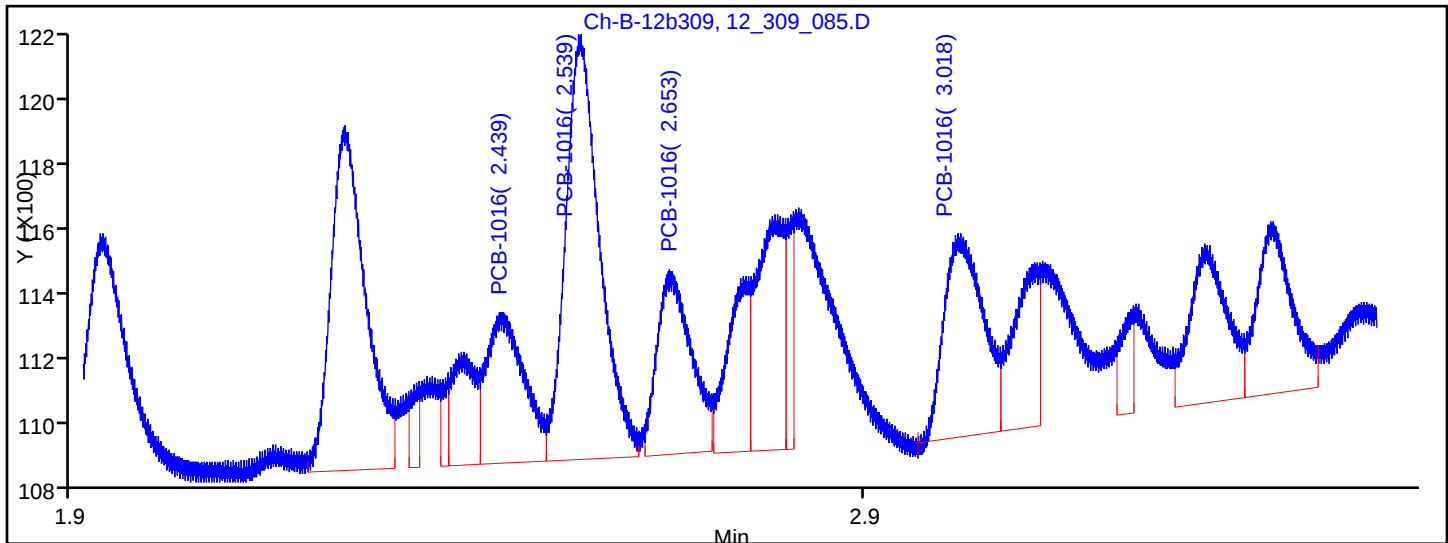
Column: ZB-35 (0.53 mm)

Detector Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.444	Response = 934	M
RT = 2.542	Response = 3369	M
RT = 2.653	Response = 467	M
RT = 3.018	Response = 1638	M



Manual Integration Results

RT = 2.439	Response = 1412	M
RT = 2.539	Response = 3677	M
RT = 2.653	Response = 1581	M
RT = 3.018	Response = 2006	M

Reviewer: eversd, 02-Oct-2014 19:34:09

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_085.D

Injection Date: 02-Oct-2014 19:02:53

Instrument ID: HP5890-12

Lims ID: STD1

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

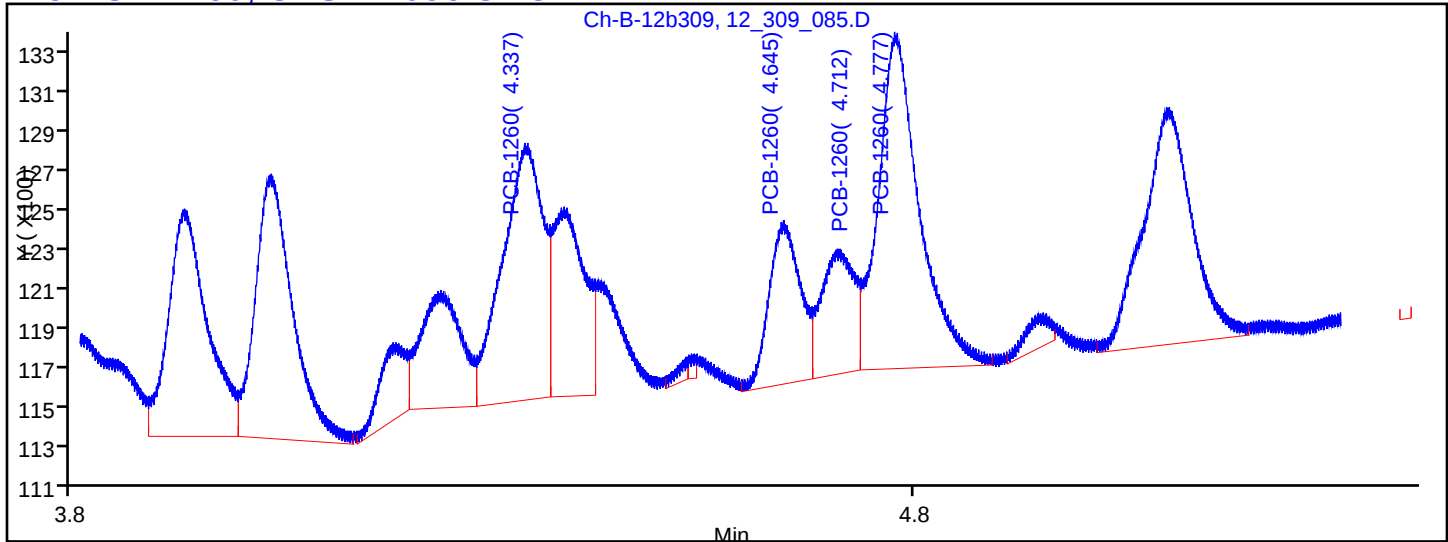
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-35 (0.53 mm)

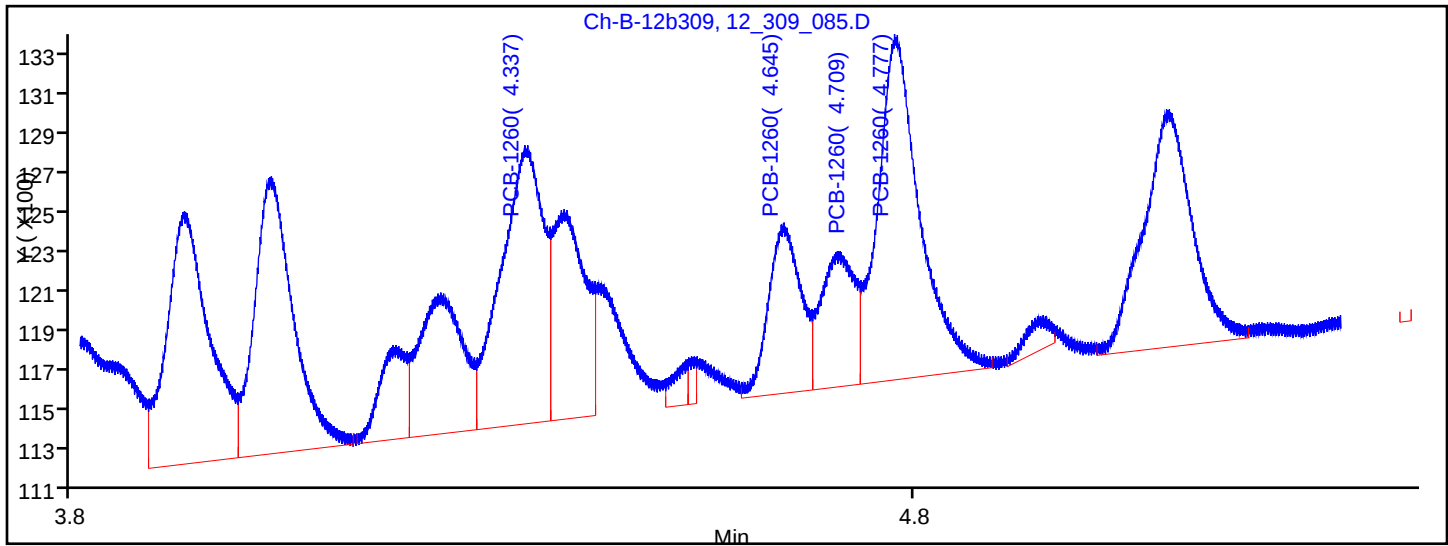
Detector: Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.337	Response = 4184	M
RT = 4.645	Response = 2040	M
RT = 4.712	Response = 1628	M
RT = 4.777	Response = 5548	



Manual Integration Results

RT = 4.337	Response = 4720	M
RT = 4.645	Response = 2190	M
RT = 4.709	Response = 1793	M
RT = 4.777	Response = 5548	

Reviewer: eversd, 02-Oct-2014 19:34:09

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:01 Calibration End Date: 10/02/2014 21:01 Calibration ID: 20505

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-205708/15	12_309_093.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.156										3.126 - 3.186	3.156
PCB-1248 Peak 2	3.328										3.298 - 3.358	3.328
PCB-1248 Peak 3	3.423										3.393 - 3.453	3.423
PCB-1248 Peak 4	3.657										3.627 - 3.687	3.657

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:01 Calibration End Date: 10/02/2014 21:01 Calibration ID: 20505

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-205708/15	12_309_093.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	76706				Ave		76706.0000						20.0			
PCB-1248 Peak 2	122176				Ave		122176.000						20.0			
PCB-1248 Peak 3	93934				Ave		93934.0000						20.0			
PCB-1248 Peak 4	149698				Ave		149698.000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:01 Calibration End Date: 10/02/2014 21:01 Calibration ID: 20505

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-205708/15	12_309_093.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	38353					0.500				
PCB-1248 Peak 2	Ave	61088					0.500				
PCB-1248 Peak 3	Ave	46967					0.500				
PCB-1248 Peak 4	Ave	74849					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_093.D
 Lims ID: STD48
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Oct-2014 21:01:45 ALS Bottle#: 0 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub6
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:15 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 05:49:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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7 PCB-1248

1	3.156	3.156	0.000	38353	0.5000	0.5000	a
1	3.328	3.328	0.000	61088	0.5000	0.5000	a
1	3.423	3.423	0.000	46967	0.5000	0.5000	a
1	3.657	3.657	0.000	74849	0.5000	0.5000	a

Average of Peak Amounts =

0.5000

2	2.817	2.817	0.000	68447	0.5000	0.5000	a
2	3.010	3.010	0.000	52712	0.5000	0.5000	a
2	3.105	3.105	0.000	45656	0.5000	0.5000	a
2	3.242	3.242	0.000	66973	0.5000	0.5000	a

Average of Peak Amounts =

0.5000

RPD = 0.00

Reagents:

AR1248.5ng_00002

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:16

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_093.D

Injection Date: 02-Oct-2014 21:01:45

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD48

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

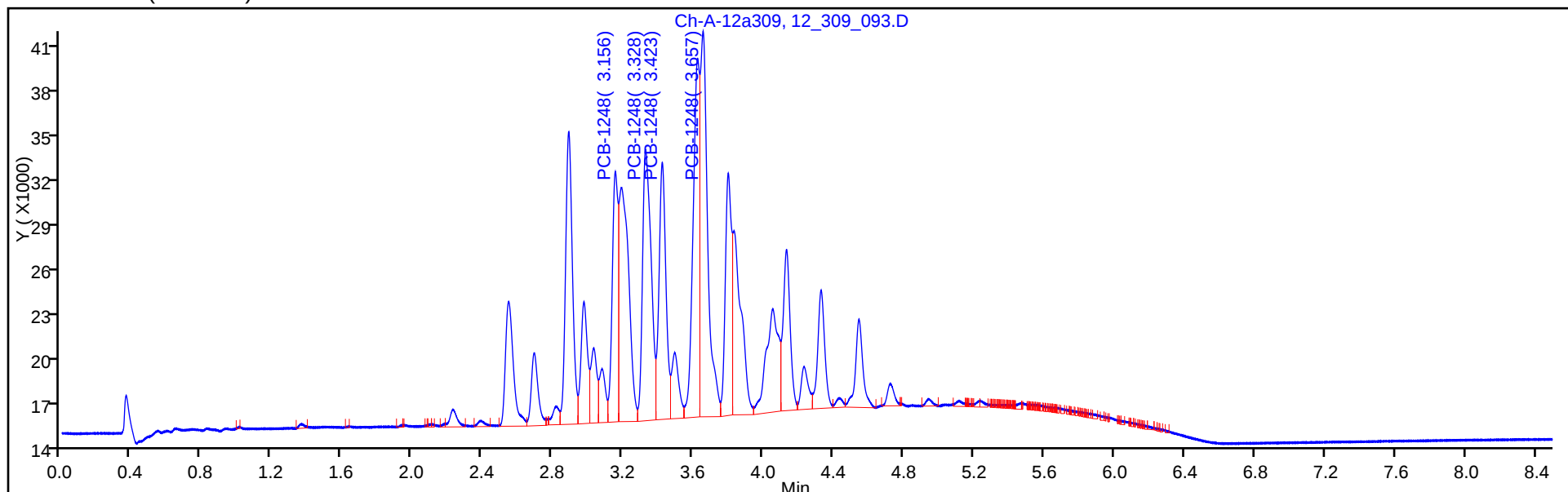
Dil. Factor: 1.0000

ALS Bottle#: 0

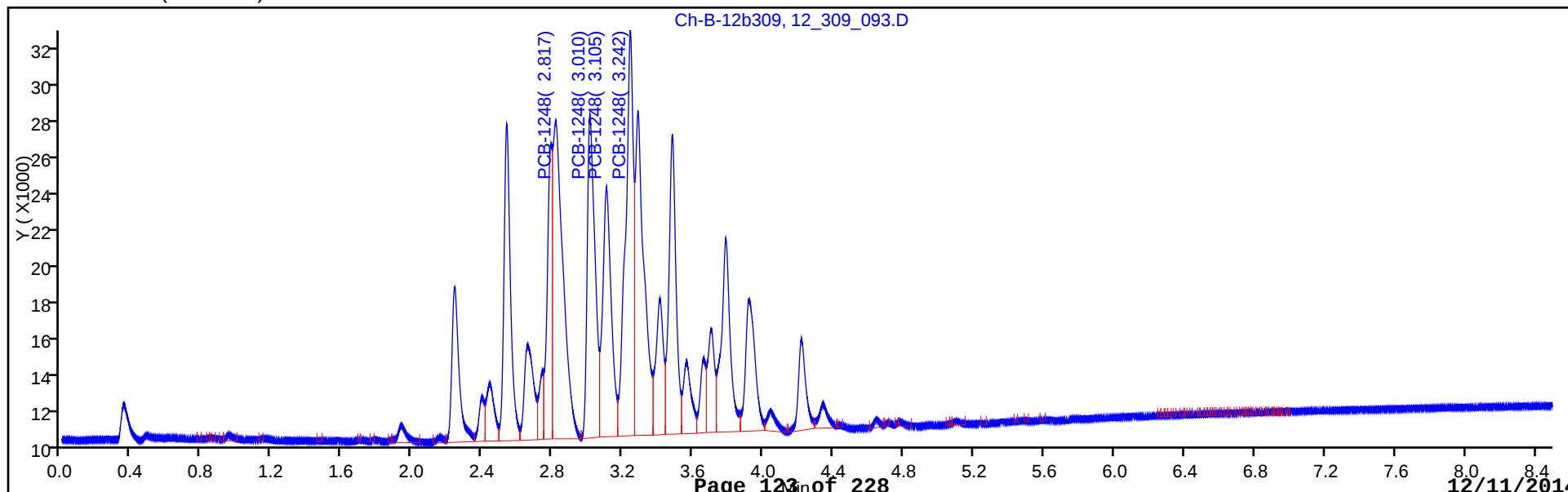
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:01 Calibration End Date: 10/02/2014 21:01 Calibration ID: 20506

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-205708/15	12_309_093.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.817										2.787 - 2.847	2.817
PCB-1248 Peak 2	3.010										2.980 - 3.040	3.010
PCB-1248 Peak 3	3.105										3.075 - 3.135	3.105
PCB-1248 Peak 4	3.242										3.212 - 3.272	3.242

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:01 Calibration End Date: 10/02/2014 21:01 Calibration ID: 20506

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-205708/15	12_309_093.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	136894				Ave		136894.000						20.0			
PCB-1248 Peak 2	105424				Ave		105424.000						20.0			
PCB-1248 Peak 3	91312				Ave		91312.0000						20.0			
PCB-1248 Peak 4	133946				Ave		133946.000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:01 Calibration End Date: 10/02/2014 21:01 Calibration ID: 20506

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-205708/15	12_309_093.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	68447					0.500				
PCB-1248 Peak 2	Ave	52712					0.500				
PCB-1248 Peak 3	Ave	45656					0.500				
PCB-1248 Peak 4	Ave	66973					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_093.D
 Lims ID: STD48
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Oct-2014 21:01:45 ALS Bottle#: 0 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub6
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:15 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 05:49:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

7 PCB-1248

1	3.156	3.156	0.000	38353	0.5000	0.5000	a
1	3.328	3.328	0.000	61088	0.5000	0.5000	a
1	3.423	3.423	0.000	46967	0.5000	0.5000	a
1	3.657	3.657	0.000	74849	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

2	2.817	2.817	0.000	68447	0.5000	0.5000	a
2	3.010	3.010	0.000	52712	0.5000	0.5000	a
2	3.105	3.105	0.000	45656	0.5000	0.5000	a
2	3.242	3.242	0.000	66973	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1248.5ng_00002

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:16

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_093.D

Injection Date: 02-Oct-2014 21:01:45

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD48

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

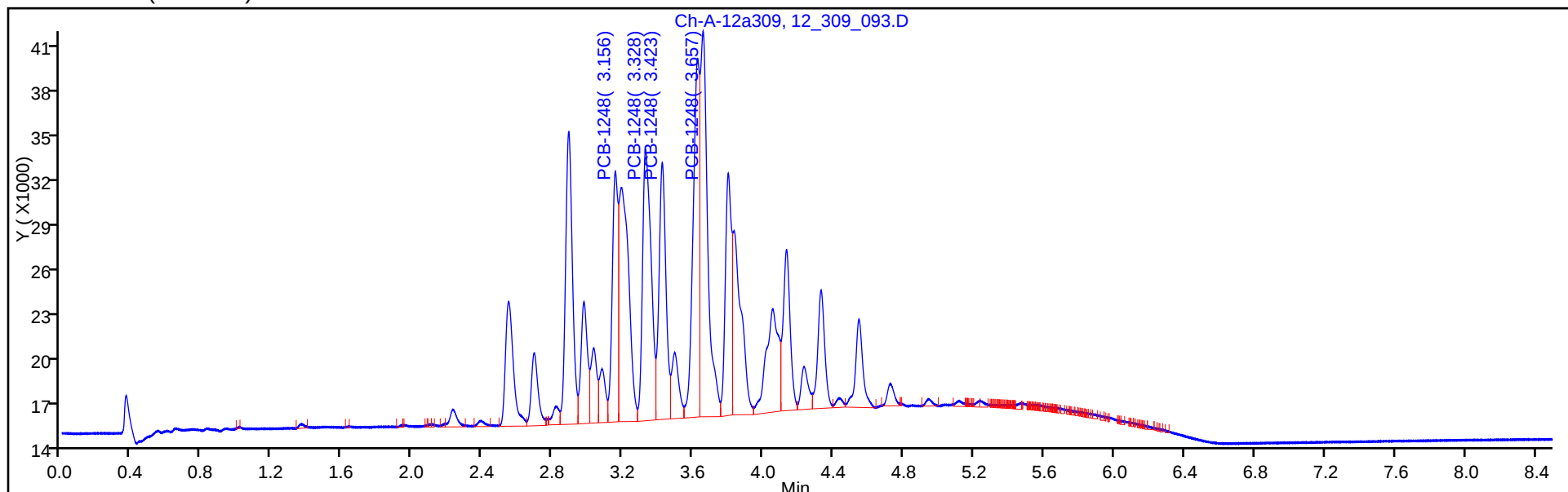
Dil. Factor: 1.0000

ALS Bottle#: 0

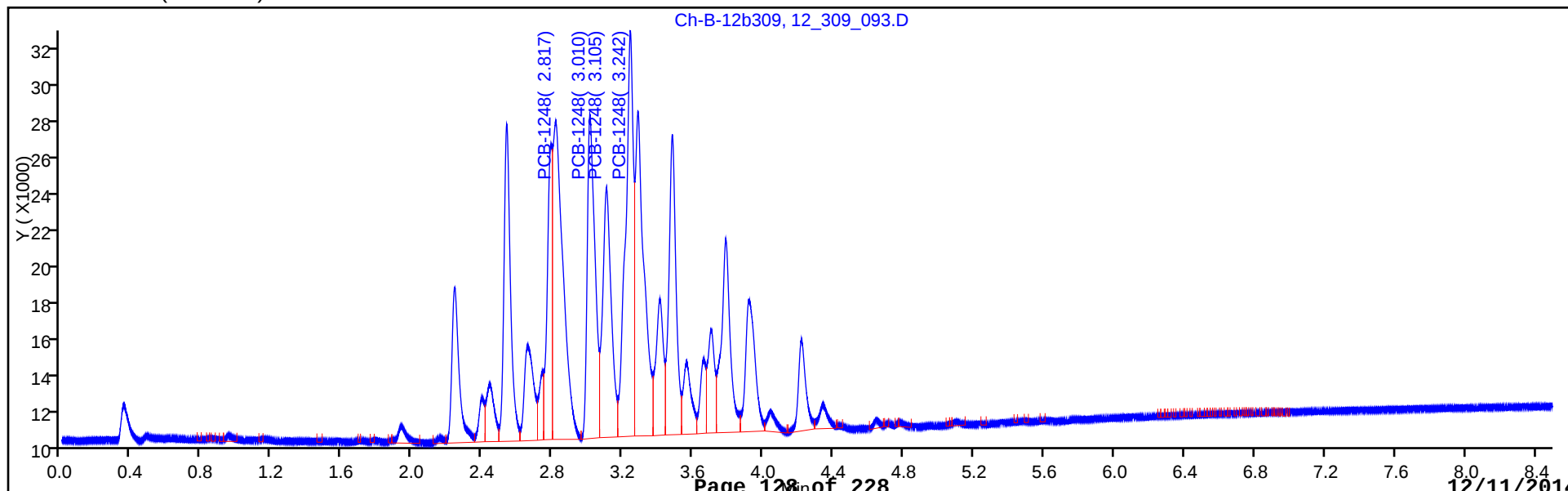
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:31 Calibration End Date: 10/02/2014 21:31 Calibration ID: 20511

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-205708/17	12_309_095.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.838										3.808 - 3.868	3.838
PCB-1254 Peak 2	4.053										4.023 - 4.083	4.053
PCB-1254 Peak 3	4.131										4.101 - 4.161	4.131
PCB-1254 Peak 4	4.326										4.296 - 4.356	4.326

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:31 Calibration End Date: 10/02/2014 21:31 Calibration ID: 20511

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-205708/17	12_309_095.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	234134				Ave		234134.000						20.0			
PCB-1254 Peak 2	141322				Ave		141322.000						20.0			
PCB-1254 Peak 3	169754				Ave		169754.000						20.0			
PCB-1254 Peak 4	176938				Ave		176938.000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:31 Calibration End Date: 10/02/2014 21:31 Calibration ID: 20511

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-205708/17	12_309_095.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	117067					0.500				
PCB-1254 Peak 2	Ave	70661					0.500				
PCB-1254 Peak 3	Ave	84877					0.500				
PCB-1254 Peak 4	Ave	88469					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_095.D
 Lims ID: STD54
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Oct-2014 21:31:26 ALS Bottle#: 0 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub7
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:17 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 05:52:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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8 PCB-1254

1	3.838	3.838	0.000	117067	0.5000	0.5000	a
1	4.053	4.053	0.000	70661	0.5000	0.5000	a
1	4.131	4.131	0.000	84877	0.5000	0.5000	a
1	4.326	4.326	0.000	88469	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

2	3.409	3.409	0.000	60690	0.5000	0.5000	a
2	3.787	3.787	0.000	99657	0.5000	0.5000	a
2	3.917	3.917	0.000	91694	0.5000	0.5000	a
2	4.337	4.337	0.000	74470	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1254 STD_00009

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:18

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_095.D

Injection Date: 02-Oct-2014 21:31:26

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD54

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

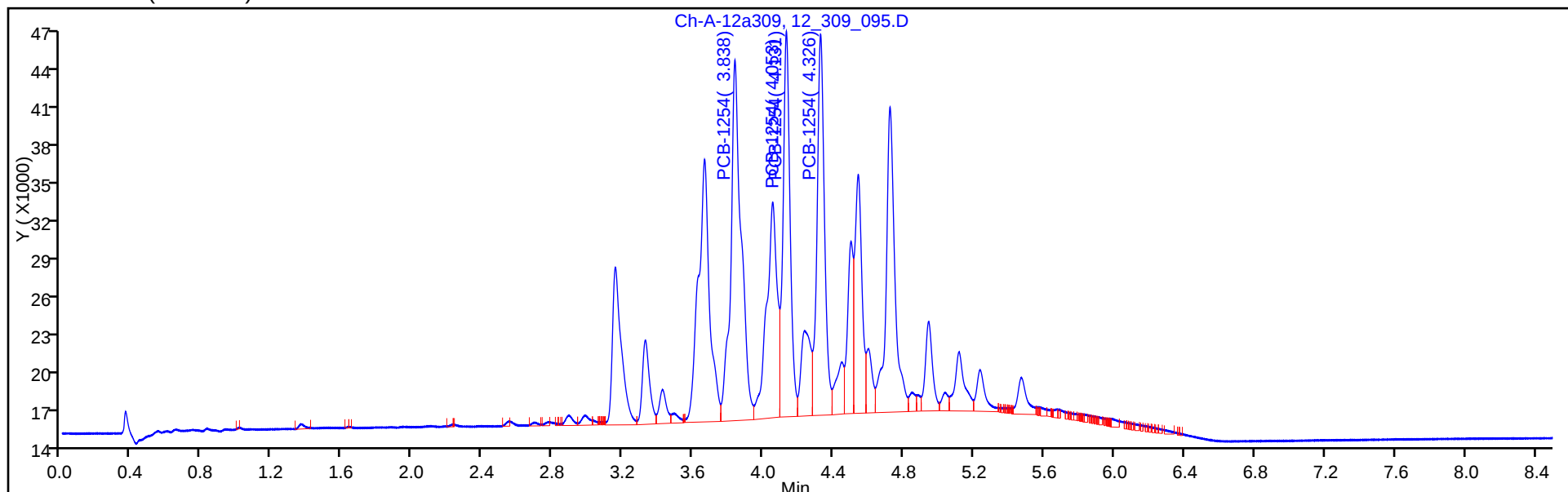
Dil. Factor: 1.0000

ALS Bottle#: 0

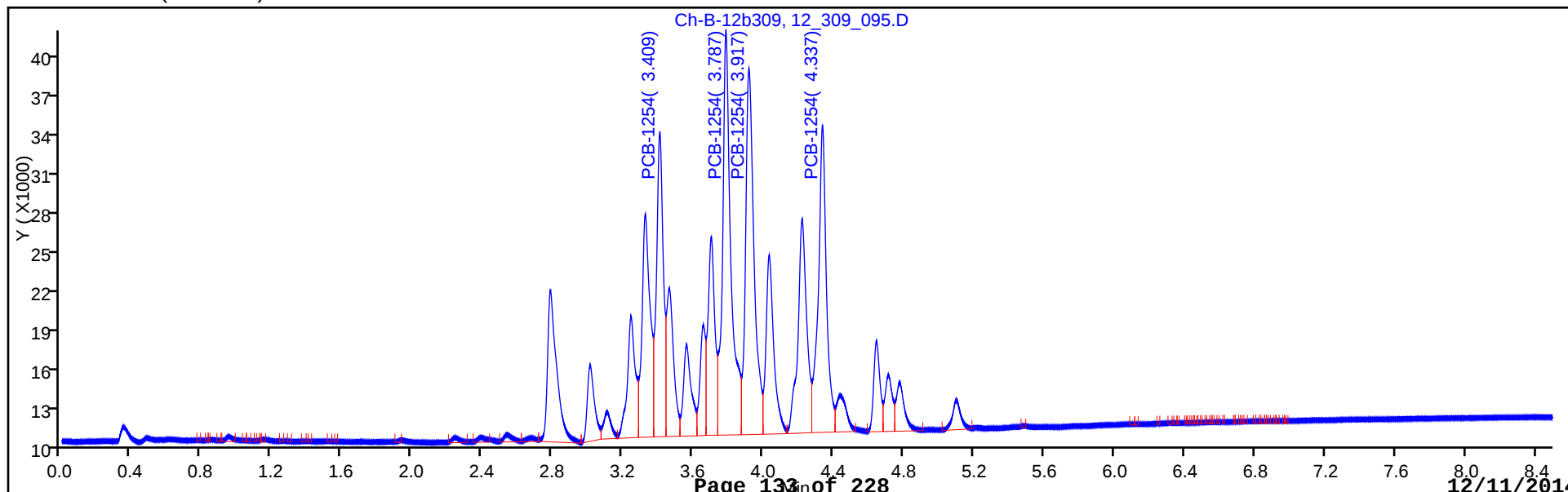
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:31 Calibration End Date: 10/02/2014 21:31 Calibration ID: 20512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-205708/17	12_309_095.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.409										3.379 - 3.439	3.409
PCB-1254 Peak 2	3.787										3.757 - 3.817	3.787
PCB-1254 Peak 3	3.917										3.887 - 3.947	3.917
PCB-1254 Peak 4	4.337										4.307 - 4.367	4.337

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:31 Calibration End Date: 10/02/2014 21:31 Calibration ID: 20512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-205708/17	12_309_095.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	121380				Ave		121380.000						20.0			
PCB-1254 Peak 2	199314				Ave		199314.000						20.0			
PCB-1254 Peak 3	183388				Ave		183388.000						20.0			
PCB-1254 Peak 4	148940				Ave		148940.000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/02/2014 21:31 Calibration End Date: 10/02/2014 21:31 Calibration ID: 20512

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-205708/17	12_309_095.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	60690					0.500				
PCB-1254 Peak 2	Ave	99657					0.500				
PCB-1254 Peak 3	Ave	91694					0.500				
PCB-1254 Peak 4	Ave	74470					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_095.D
 Lims ID: STD54
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 02-Oct-2014 21:31:26 ALS Bottle#: 0 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub7
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:17 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 05:52:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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8 PCB-1254

1	3.838	3.838	0.000	117067	0.5000	0.5000	a
1	4.053	4.053	0.000	70661	0.5000	0.5000	a
1	4.131	4.131	0.000	84877	0.5000	0.5000	a
1	4.326	4.326	0.000	88469	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

2	3.409	3.409	0.000	60690	0.5000	0.5000	a
2	3.787	3.787	0.000	99657	0.5000	0.5000	a
2	3.917	3.917	0.000	91694	0.5000	0.5000	a
2	4.337	4.337	0.000	74470	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1254 STD_00009

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:18

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_095.D

Injection Date: 02-Oct-2014 21:31:26

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD54

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

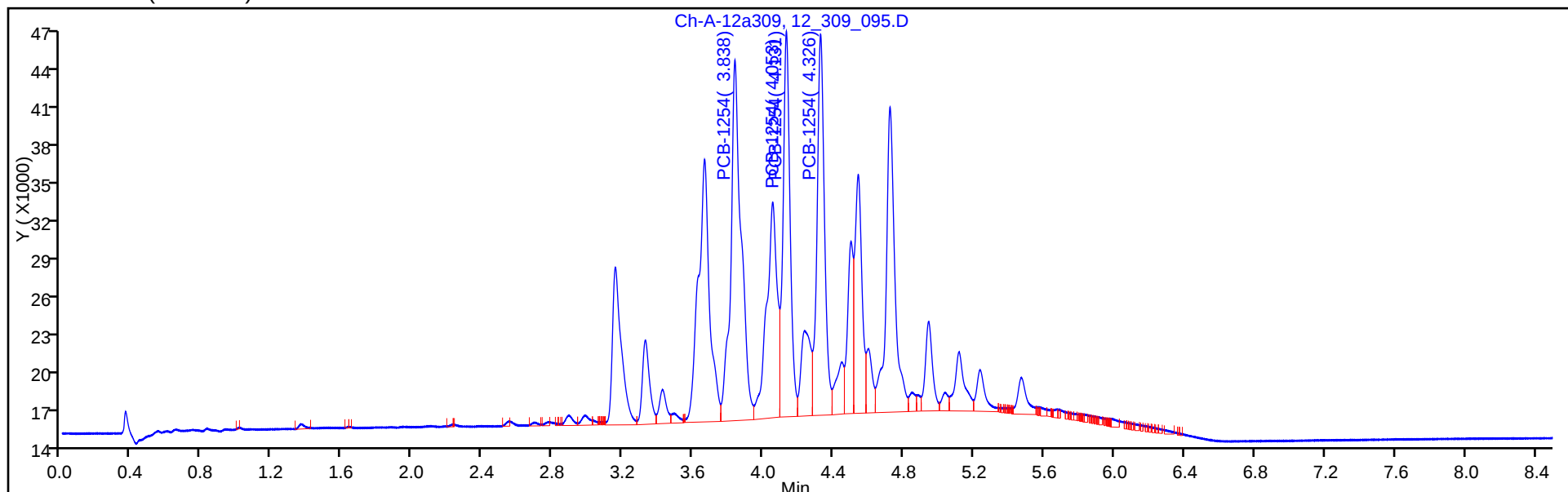
Dil. Factor: 1.0000

ALS Bottle#: 0

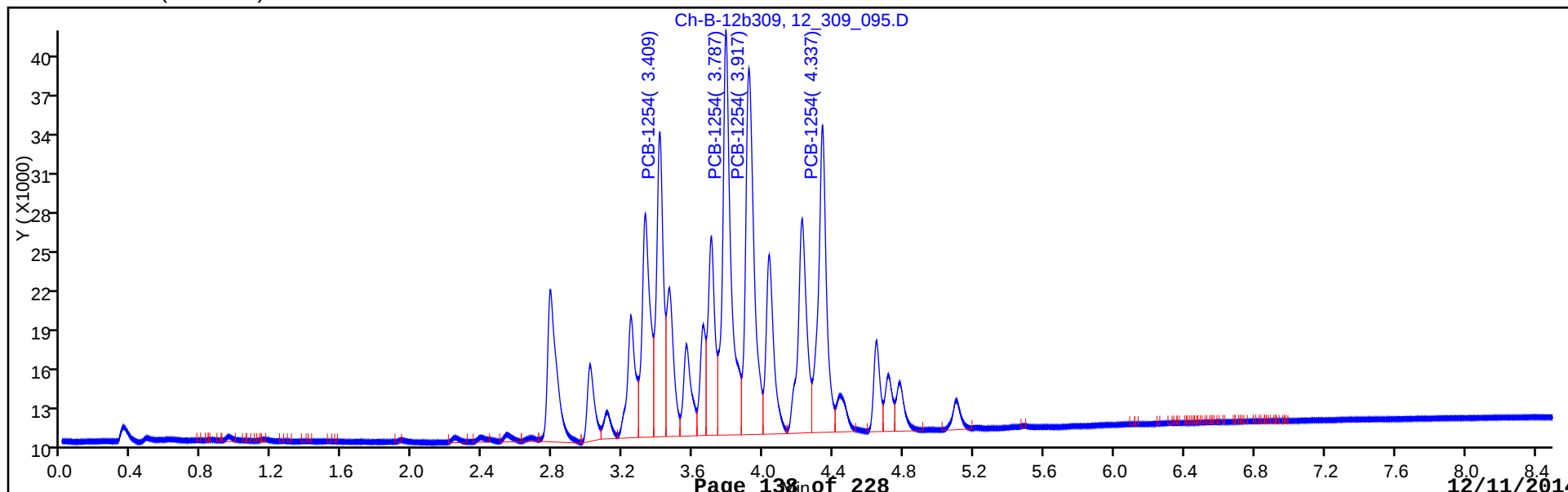
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:07 Calibration End Date: 10/03/2014 07:07 Calibration ID: 20529

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-205708/26	12_309_104.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.535										1.503 - 1.563	1.535
PCB-1221 Peak 2	1.943										1.914 - 1.974	1.943
PCB-1221 Peak 3	2.109										2.079 - 2.139	2.109
PCB-1221 Peak 4	2.229										2.201 - 2.261	2.229

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:07 Calibration End Date: 10/03/2014 07:07 Calibration ID: 20529

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-205708/26	12_309_104.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	32898				Ave		32898.0000						20.0			
PCB-1221 Peak 2	15446				Ave		15446.0000						20.0			
PCB-1221 Peak 3	31438				Ave		31438.0000						20.0			
PCB-1221 Peak 4	91470				Ave		91470.0000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:07 Calibration End Date: 10/03/2014 07:07 Calibration ID: 20529

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-205708/26	12_309_104.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	16449					0.500				
PCB-1221 Peak 2	Ave	7723					0.500				
PCB-1221 Peak 3	Ave	15719					0.500				
PCB-1221 Peak 4	Ave	45735					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_104.D
 Lims ID: STD21
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Oct-2014 07:07:31 ALS Bottle#: 0 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub3
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:23 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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2 PCB-1221

1	1.535	1.533	0.002	16449	0.5000	0.5000
1	1.943	1.944	-0.001	7723	0.5000	0.5000
1	2.109	2.109	0.000	15719	0.5000	0.5000
1	2.229	2.231	-0.002	45735	0.5000	0.5000

Average of Peak Amounts = 0.5000

2	1.293	1.292	0.001	15336	0.5000	0.5000
2	1.697	1.698	-0.001	6964	0.5000	0.5000
2	1.787	1.788	-0.001	13674	0.5000	0.5000
2	1.931	1.933	-0.002	42948	0.5000	0.5000

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1221.5ng_00015

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:23

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_104.D

Injection Date: 03-Oct-2014 07:07:31

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD21

Worklist Smp#: 26

Client ID:

Injection Vol: 1.0 ul

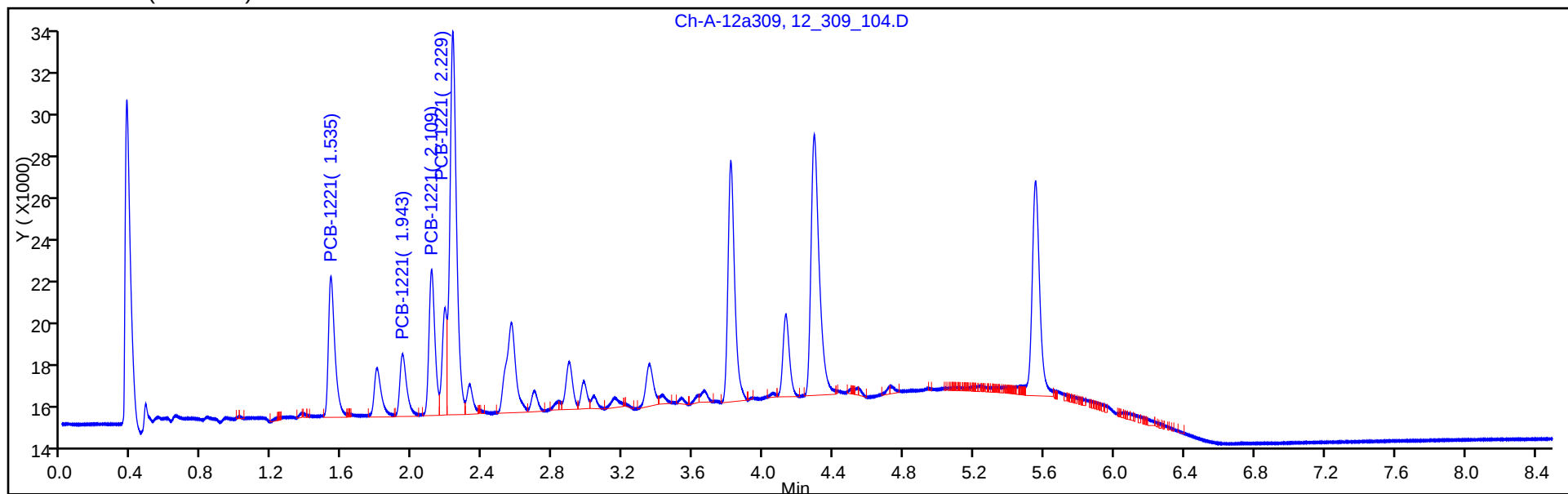
Dil. Factor: 1.0000

ALS Bottle#: 0

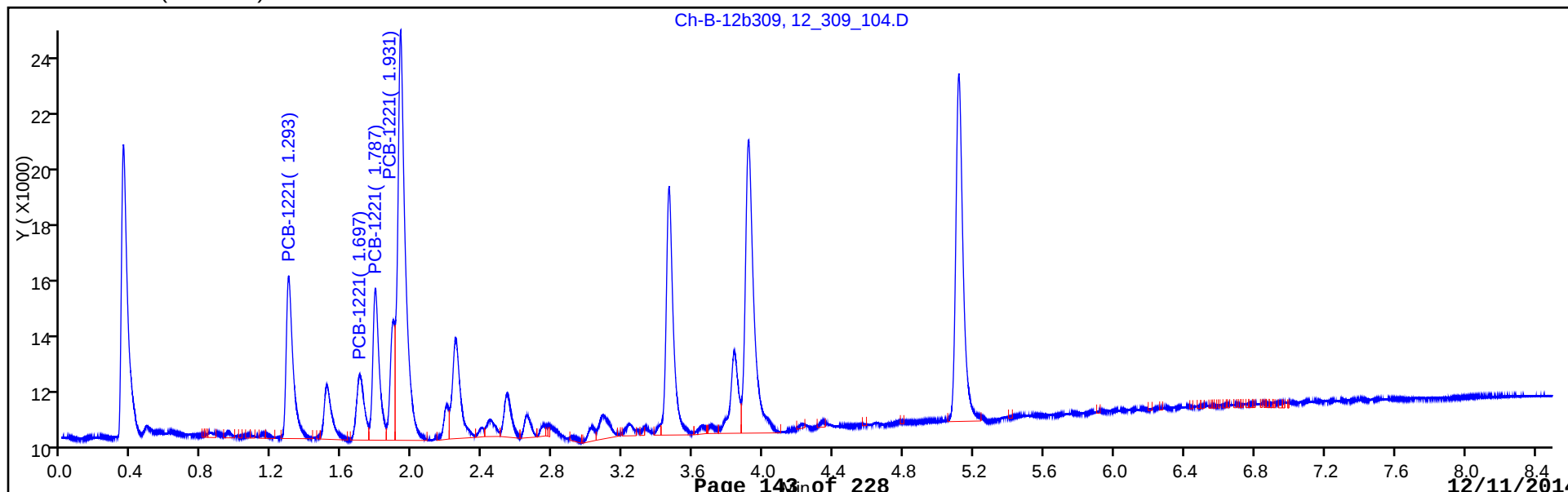
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:07 Calibration End Date: 10/03/2014 07:07 Calibration ID: 20530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-205708/26	12_309_104.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.293										1.262 - 1.322	1.293
PCB-1221 Peak 2	1.697										1.668 - 1.728	1.697
PCB-1221 Peak 3	1.787										1.758 - 1.818	1.787
PCB-1221 Peak 4	1.931										1.903 - 1.963	1.931

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:07 Calibration End Date: 10/03/2014 07:07 Calibration ID: 20530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-205708/26	12_309_104.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	30672				Ave		30672.0000						20.0			
PCB-1221 Peak 2	13928				Ave		13928.0000						20.0			
PCB-1221 Peak 3	27348				Ave		27348.0000						20.0			
PCB-1221 Peak 4	85896				Ave		85896.0000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:07 Calibration End Date: 10/03/2014 07:07 Calibration ID: 20530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-205708/26	12_309_104.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	15336					0.500				
PCB-1221 Peak 2	Ave	6964					0.500				
PCB-1221 Peak 3	Ave	13674					0.500				
PCB-1221 Peak 4	Ave	42948					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_104.D
 Lims ID: STD21
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Oct-2014 07:07:31 ALS Bottle#: 0 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub3
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:23 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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2 PCB-1221

1	1.535	1.533	0.002	16449	0.5000	0.5000	
1	1.943	1.944	-0.001	7723	0.5000	0.5000	
1	2.109	2.109	0.000	15719	0.5000	0.5000	
1	2.229	2.231	-0.002	45735	0.5000	0.5000	

Average of Peak Amounts = 0.5000

2	1.293	1.292	0.001	15336	0.5000	0.5000	
2	1.697	1.698	-0.001	6964	0.5000	0.5000	
2	1.787	1.788	-0.001	13674	0.5000	0.5000	
2	1.931	1.933	-0.002	42948	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1221.5ng_00015

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:24

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_104.D

Injection Date: 03-Oct-2014 07:07:31

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD21

Worklist Smp#: 26

Client ID:

Injection Vol: 1.0 ul

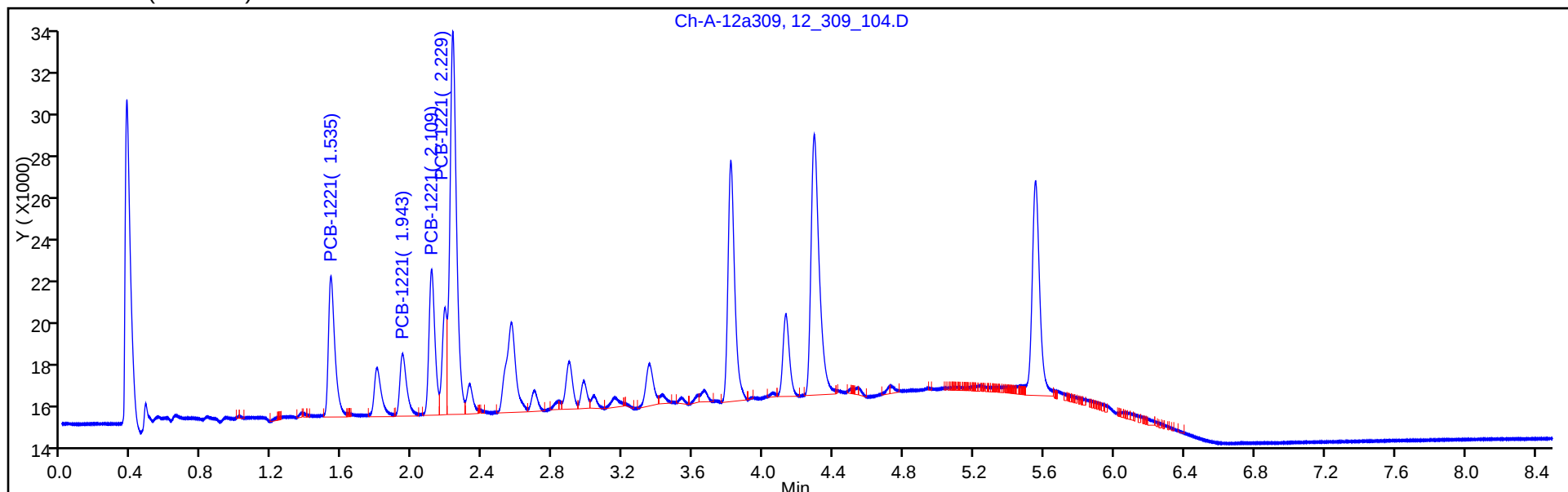
Dil. Factor: 1.0000

ALS Bottle#: 0

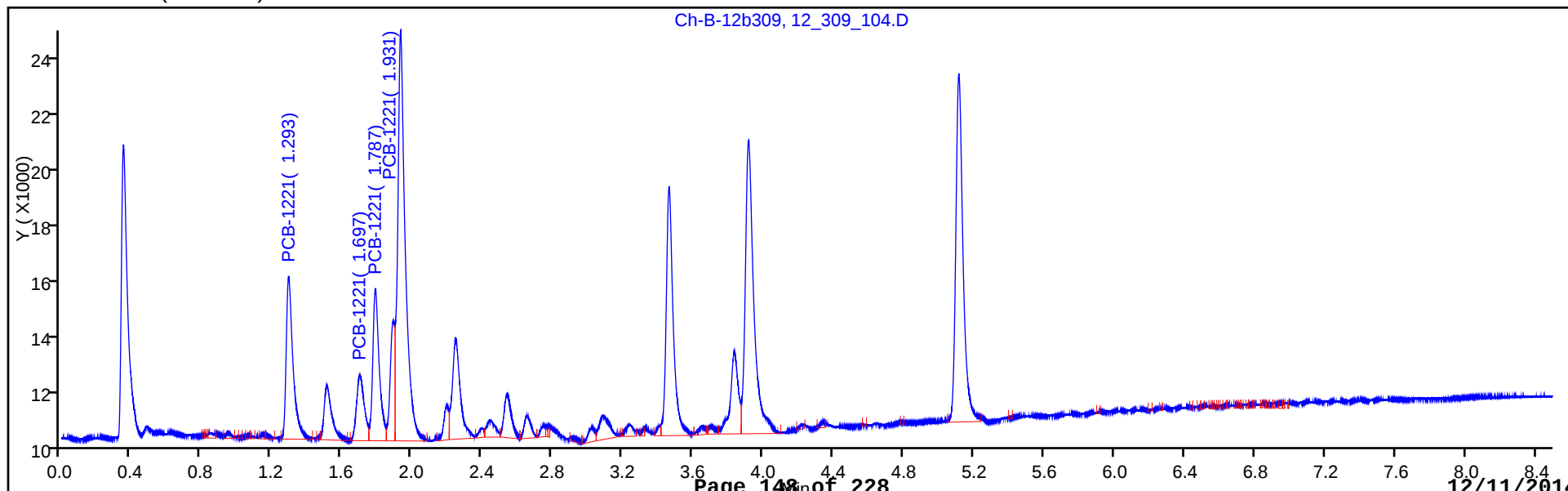
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:37 Calibration End Date: 10/03/2014 07:37 Calibration ID: 20535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-205708/28	12_309_106.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.533										1.503 - 1.563	1.533
PCB-1232 Peak 2	2.552										2.522 - 2.582	2.552
PCB-1232 Peak 3	2.890										2.860 - 2.920	2.890
PCB-1232 Peak 4	2.975										2.945 - 3.005	2.975

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:37 Calibration End Date: 10/03/2014 07:37 Calibration ID: 20535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-205708/28	12_309_106.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	20272				Ave		20272.0000						20.0			
PCB-1232 Peak 2	76088				Ave		76088.0000						20.0			
PCB-1232 Peak 3	94702				Ave		94702.0000						20.0			
PCB-1232 Peak 4	39824				Ave		39824.0000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:37 Calibration End Date: 10/03/2014 07:37 Calibration ID: 20535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-205708/28	12_309_106.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	10136					0.500				
PCB-1232 Peak 2	Ave	38044					0.500				
PCB-1232 Peak 3	Ave	47351					0.500				
PCB-1232 Peak 4	Ave	19912					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_106.D
 Lims ID: STD32
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Oct-2014 07:37:16 ALS Bottle#: 0 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub4
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:25 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 08:33:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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5 PCB-1232

1	1.533	1.533	0.000	10136	0.5000	0.5000	a
1	2.552	2.552	0.000	38044	0.5000	0.5000	a
1	2.890	2.890	0.000	47351	0.5000	0.5000	a
1	2.975	2.975	0.000	19912	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

2	1.294	1.294	0.000	9798	0.5000	0.5000	a
2	2.239	2.239	0.000	34883	0.5000	0.5000	a
2	2.537	2.537	0.000	39324	0.5000	0.5000	a
2	2.652	2.652	0.000	18087	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1232.5ng_00007

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:25

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_106.D

Injection Date: 03-Oct-2014 07:37:16

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD32

Worklist Smp#: 28

Client ID:

Injection Vol: 1.0 ul

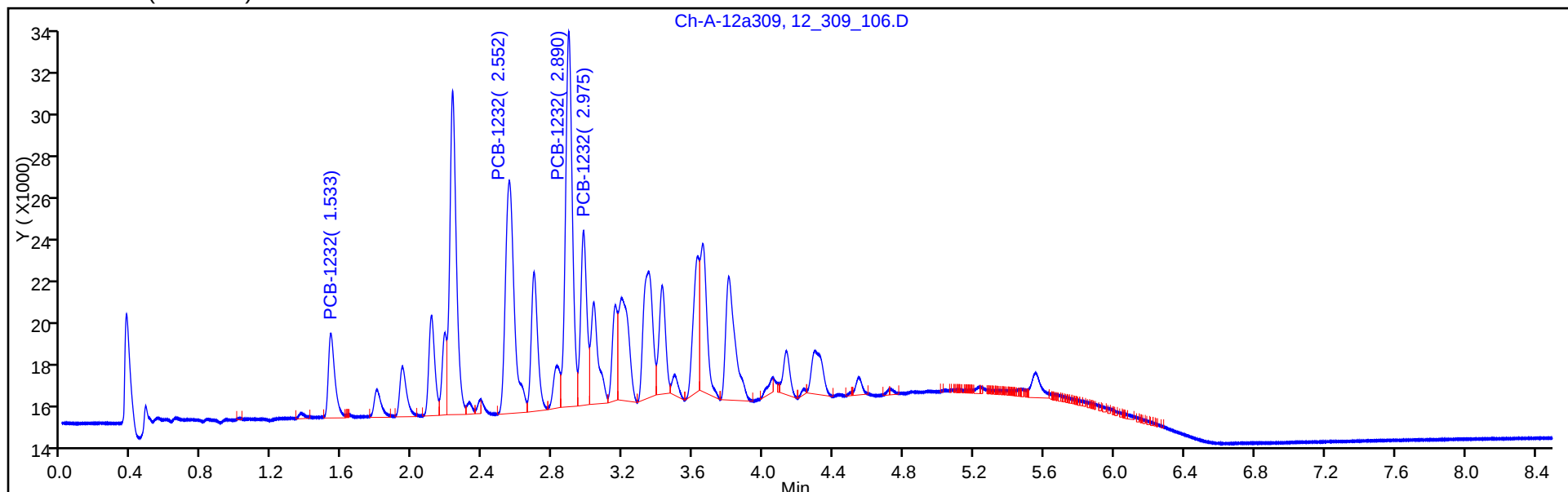
Dil. Factor: 1.0000

ALS Bottle#: 0

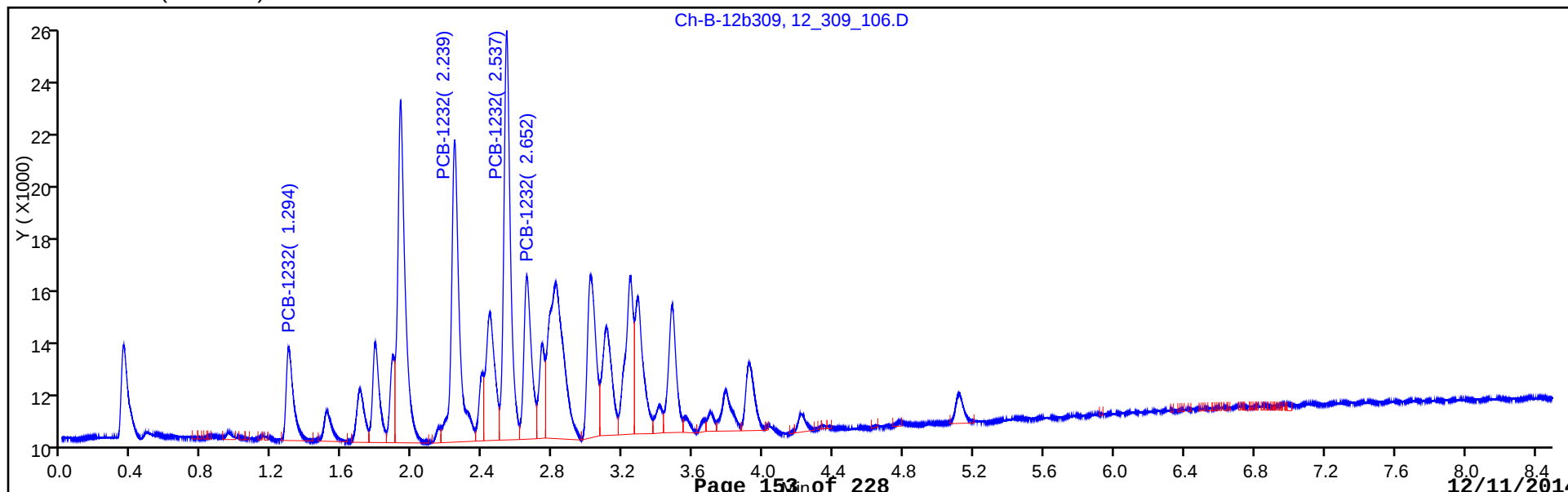
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:37 Calibration End Date: 10/03/2014 07:37 Calibration ID: 20536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-205708/28	12_309_106.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.294										1.264 - 1.324	1.294
PCB-1232 Peak 2	2.239										2.209 - 2.269	2.239
PCB-1232 Peak 3	2.537										2.507 - 2.567	2.537
PCB-1232 Peak 4	2.652										2.622 - 2.682	2.652

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:37 Calibration End Date: 10/03/2014 07:37 Calibration ID: 20536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-205708/28	12_309_106.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	19596				Ave		19596.0000						20.0			
PCB-1232 Peak 2	69766				Ave		69766.0000						20.0			
PCB-1232 Peak 3	78648				Ave		78648.0000						20.0			
PCB-1232 Peak 4	36174				Ave		36174.0000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 07:37 Calibration End Date: 10/03/2014 07:37 Calibration ID: 20536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-205708/28	12_309_106.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	9798					0.500				
PCB-1232 Peak 2	Ave	34883					0.500				
PCB-1232 Peak 3	Ave	39324					0.500				
PCB-1232 Peak 4	Ave	18087					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_106.D
 Lims ID: STD32
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Oct-2014 07:37:16 ALS Bottle#: 0 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub4
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:25 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 08:33:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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5 PCB-1232

1	1.533	1.533	0.000	10136	0.5000	0.5000	a
1	2.552	2.552	0.000	38044	0.5000	0.5000	a
1	2.890	2.890	0.000	47351	0.5000	0.5000	a
1	2.975	2.975	0.000	19912	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

2	1.294	1.294	0.000	9798	0.5000	0.5000	a
2	2.239	2.239	0.000	34883	0.5000	0.5000	a
2	2.537	2.537	0.000	39324	0.5000	0.5000	a
2	2.652	2.652	0.000	18087	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1232.5ng_00007

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:26

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_106.D

Injection Date: 03-Oct-2014 07:37:16

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD32

Worklist Smp#: 28

Client ID:

Injection Vol: 1.0 ul

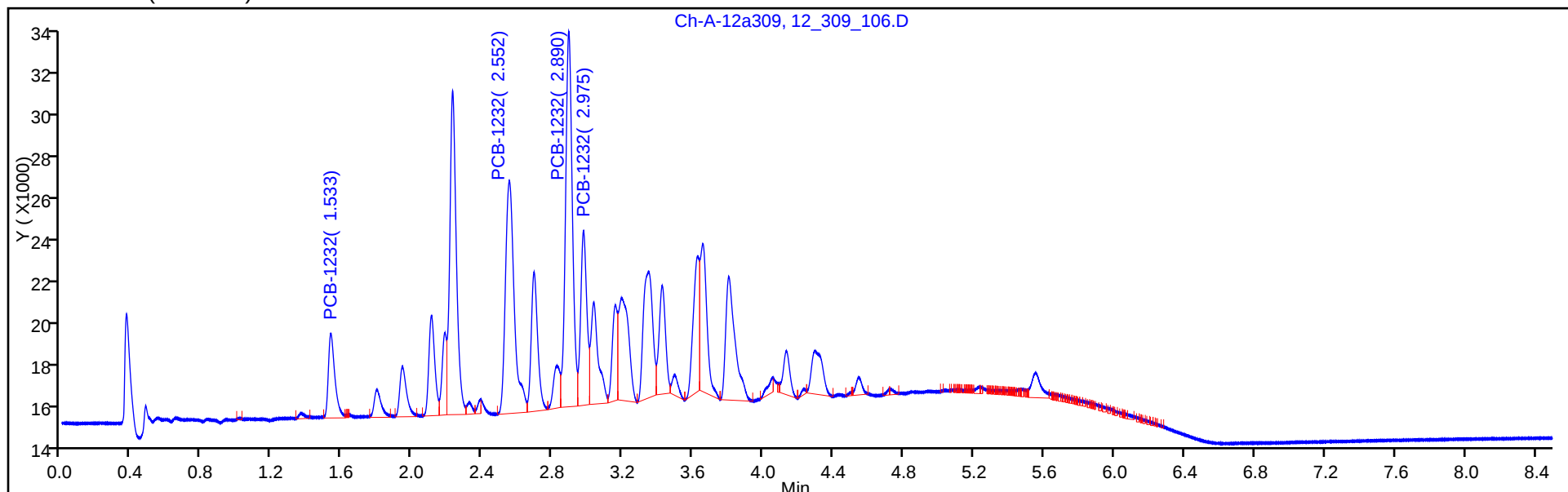
Dil. Factor: 1.0000

ALS Bottle#: 0

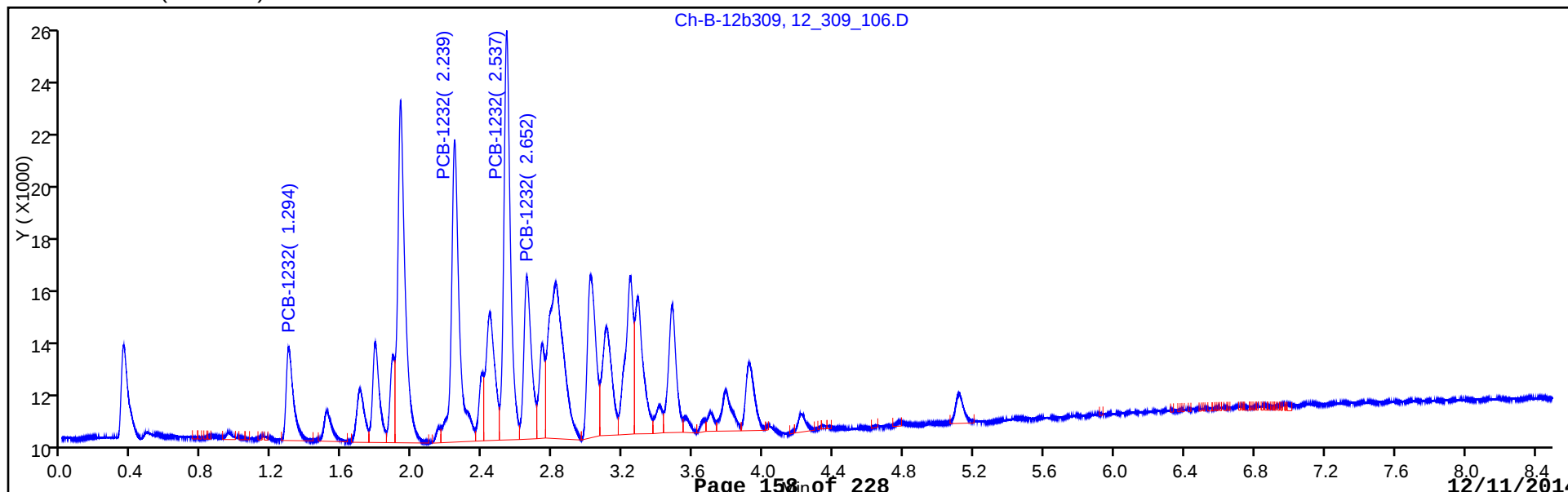
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 08:06 Calibration End Date: 10/03/2014 08:06 Calibration ID: 20541

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-205708/30	12_309_108.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.889										2.859 - 2.919	2.889
PCB-1242 Peak 2	3.032										3.002 - 3.062	3.032
PCB-1242 Peak 3	3.423										3.393 - 3.453	3.423
PCB-1242 Peak 4	3.798										3.768 - 3.828	3.798

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 08:06 Calibration End Date: 10/03/2014 08:06 Calibration ID: 20541

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-205708/30	12_309_108.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	182864				Ave		182864.000						20.0			
PCB-1242 Peak 2	61792				Ave		61792.0000						20.0			
PCB-1242 Peak 3	66776				Ave		66776.0000						20.0			
PCB-1242 Peak 4	85718				Ave		85718.0000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 08:06 Calibration End Date: 10/03/2014 08:06 Calibration ID: 20541

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-205708/30	12_309_108.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	91432					0.500				
PCB-1242 Peak 2	Ave	30896					0.500				
PCB-1242 Peak 3	Ave	33388					0.500				
PCB-1242 Peak 4	Ave	42859					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Lims ID: STD42
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Oct-2014 08:06:59 ALS Bottle#: 0 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub5
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:27 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 08:49:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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4 PCB-1242

1	2.889	2.889	0.000	91432	0.5000	0.5000	a
1	3.032	3.032	0.000	30896	0.5000	0.5000	a
1	3.423	3.423	0.000	33388	0.5000	0.5000	a
1	3.798	3.798	0.000	42859	0.5000	0.5000	a

Average of Peak Amounts =

0.5000

2	2.237	2.237	0.000	49803	0.5000	0.5000	a
2	2.437	2.437	0.000	30431	0.5000	0.5000	a
2	2.813	2.813	0.000	72697	0.5000	0.5000	
2	3.011	3.011	0.000	41555	0.5000	0.5000	

Average of Peak Amounts =

0.5000

RPD = 0.00

Reagents:

AR1242.5ng_00007

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:28

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D

Injection Date: 03-Oct-2014 08:06:59

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD42

Worklist Smp#: 30

Client ID:

Injection Vol: 1.0 ul

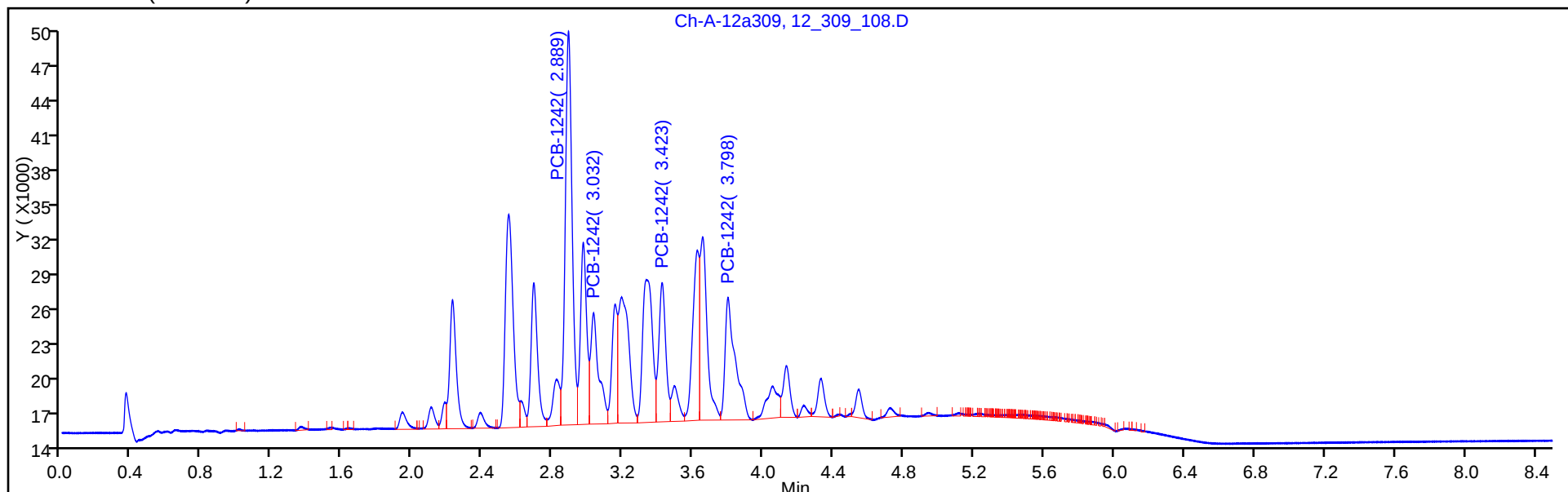
Dil. Factor: 1.0000

ALS Bottle#: 0

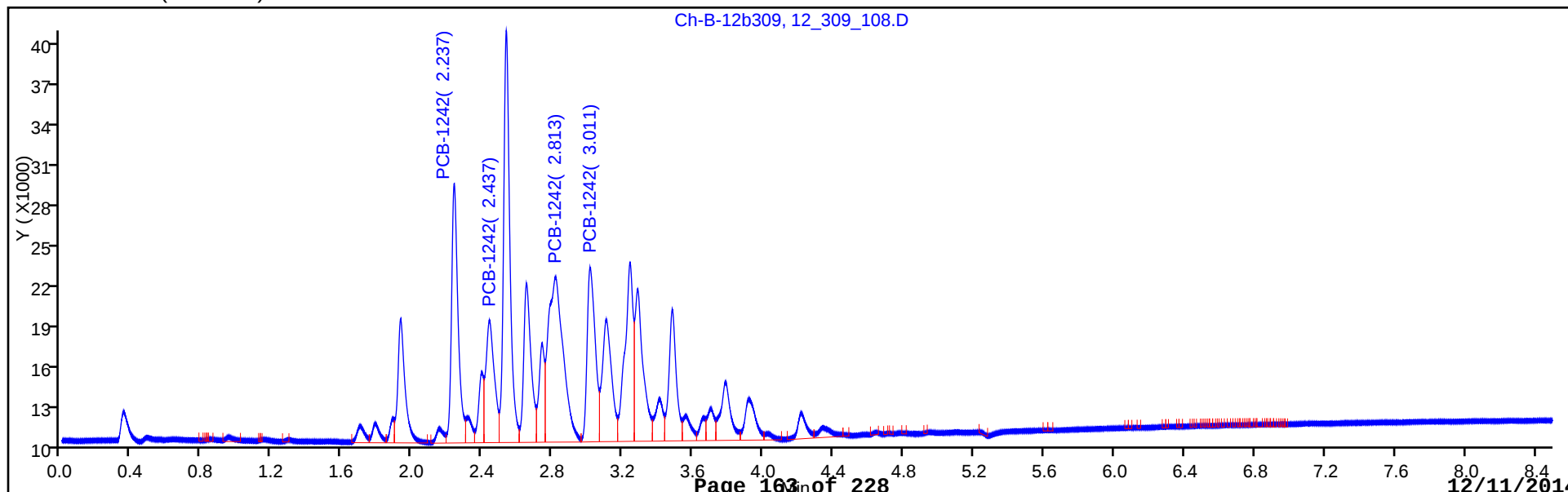
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 08:06 Calibration End Date: 10/03/2014 08:06 Calibration ID: 20542

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-205708/30	12_309_108.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.237										2.207 - 2.267	2.237
PCB-1242 Peak 2	2.437										2.407 - 2.467	2.437
PCB-1242 Peak 3	2.813										2.783 - 2.843	2.813
PCB-1242 Peak 4	3.011										2.981 - 3.041	3.011

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 08:06 Calibration End Date: 10/03/2014 08:06 Calibration ID: 20542

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-205708/30	12_309_108.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	99606				Ave		99606.0000						20.0			
PCB-1242 Peak 2	60862				Ave		60862.0000						20.0			
PCB-1242 Peak 3	145394				Ave		145394.000						20.0			
PCB-1242 Peak 4	83110				Ave		83110.0000						20.0			

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 Buffalo Job No.: 480-72548-1 Analy Batch No.: 205708

SDG No.: _____

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/03/2014 08:06 Calibration End Date: 10/03/2014 08:06 Calibration ID: 20542

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-205708/30	12_309_108.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	49803					0.500				
PCB-1242 Peak 2	Ave	30431					0.500				
PCB-1242 Peak 3	Ave	72697					0.500				
PCB-1242 Peak 4	Ave	41555					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Lims ID: STD42
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Oct-2014 08:06:59 ALS Bottle#: 0 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub5
 Method: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 03-Oct-2014 09:17:27 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK023

First Level Reviewer: eversd

Date: 03-Oct-2014 08:49:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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4 PCB-1242

1	2.889	2.889	0.000	91432	0.5000	0.5000	a
1	3.032	3.032	0.000	30896	0.5000	0.5000	a
1	3.423	3.423	0.000	33388	0.5000	0.5000	a
1	3.798	3.798	0.000	42859	0.5000	0.5000	a

Average of Peak Amounts = 0.5000

2	2.237	2.237	0.000	49803	0.5000	0.5000	a
2	2.437	2.437	0.000	30431	0.5000	0.5000	a
2	2.813	2.813	0.000	72697	0.5000	0.5000	
2	3.011	3.011	0.000	41555	0.5000	0.5000	

Average of Peak Amounts = 0.5000

RPD = 0.00

Reagents:

AR1242.5ng_00007

Amount Added: 1.00

Units: mL

Report Date: 03-Oct-2014 09:17:28

Chrom Revision: 2.2 18-Aug-2014 12:17:36

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D

Injection Date: 03-Oct-2014 08:06:59

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: STD42

Worklist Smp#: 30

Client ID:

Injection Vol: 1.0 ul

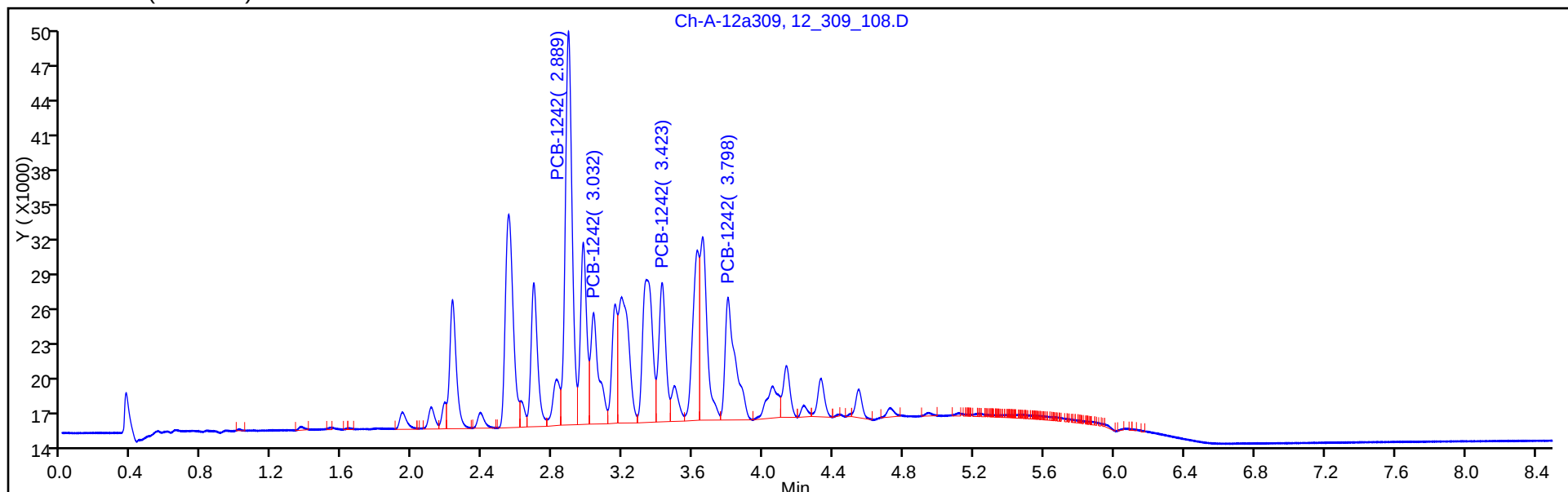
Dil. Factor: 1.0000

ALS Bottle#: 0

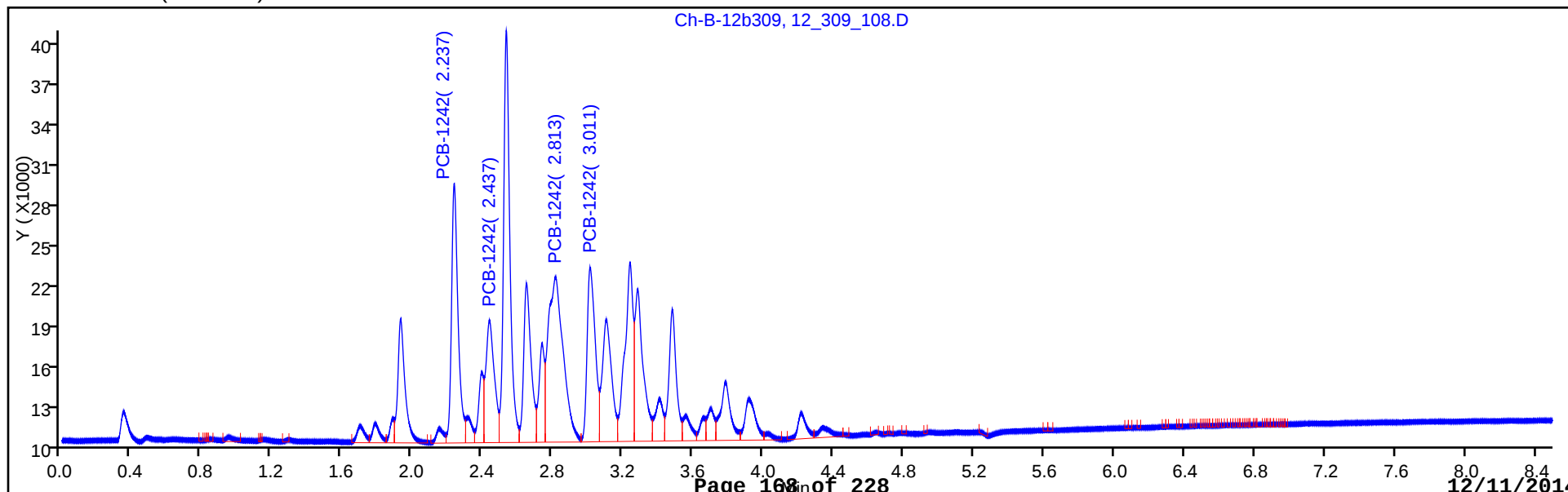
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Lab Sample ID: CCV 480-217703/15 Calibration Date: 12/08/2014 09:40
 Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
 GC Column: ZB-5 ID: 0.25 (mm) Calib End Date: 10/02/2014 19:02
 Lab File ID: 12_317_123.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	128987	124192		0.481	0.500	-3.7	20.0
PCB-1016 Peak 2	Ave	75860	74448		0.491	0.500	-1.9	20.0
PCB-1016 Peak 3	Ave	207150	207308		0.500	0.500	0.0	20.0
PCB-1016 Peak 4	Ave	88329	89742		0.508	0.500	1.6	20.0
PCB-1260 Peak 1	Ave	233183	255504		0.548	0.500	9.6	20.0
PCB-1260 Peak 2	Ave	219760	238262		0.542	0.500	8.4	20.0
PCB-1260 Peak 3	Ave	150055	166678		0.555	0.500	11.1	20.0
PCB-1260 Peak 4	Ave	235060	244030		0.519	0.500	3.8	20.0
Tetrachloro-m-xylene	Lin		2548067		0.0290	0.0300	-3.2	20.0
DCB Decachlorobiphenyl	Ave	2410189	2880467		0.0359	0.0300	19.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Lab Sample ID: CCV 480-217703/15 Calibration Date: 12/08/2014 09:40
Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
GC Column: ZB-5 ID: 0.25 (mm) Calib End Date: 10/02/2014 19:02
Lab File ID: 12_317_123.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.34	2.31	2.37
PCB-1016 Peak 2	2.47	2.44	2.50
PCB-1016 Peak 3	2.66	2.63	2.69
PCB-1016 Peak 4	2.74	2.71	2.77
PCB-1260 Peak 1	4.22	4.19	4.25
PCB-1260 Peak 2	4.44	4.41	4.47
PCB-1260 Peak 3	4.57	4.54	4.60
PCB-1260 Peak 4	4.94	4.91	4.97
Tetrachloro-m-xylene	1.78	1.75	1.81
DCB Decachlorobiphenyl	6.27	6.24	6.30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Dec-2014 09:40:41 ALS Bottle#: 0 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub21
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:07:14 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:07:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.782	1.782	0.000	76442	0.0300	0.0290	
2	1.389	1.389	0.000	71650	0.0300	0.0352	

RPD = 19.26

6 PCB-1016

M

1	2.336	2.336	0.000	62096	0.5000	0.4814	M
1	2.473	2.473	0.000	37224	0.5000	0.4907	
1	2.663	2.663	0.000	103654	0.5000	0.5004	
1	2.743	2.743	0.000	44871	0.5000	0.5080	

Average of Peak Amounts = 0.4951

2	2.245	2.245	0.000	39502	0.5000	0.5935	M
2	2.339	2.339	0.000	101093	0.5000	0.5907	
2	2.447	2.447	0.000	45130	0.5000	0.5899	
2	2.796	2.796	0.000	51120	0.5000	0.5699	

Average of Peak Amounts = 0.5860

RPD = 16.81

9 PCB-1260

M

1	4.223	4.223	0.000	127752	0.5000	0.5479	M
1	4.438	4.438	0.000	119131	0.5000	0.5421	M
1	4.565	4.565	0.000	83339	0.5000	0.5554	M
1	4.943	4.943	0.000	122015	0.5000	0.5191	M

Average of Peak Amounts = 0.5411

2	4.075	4.075	0.000	122254	0.5000	0.5841	M
2	4.376	4.376	0.000	53313	0.5000	0.5653	M
2	4.443	4.443	0.000	48491	0.5000	0.5979	M
2	4.509	4.509	0.000	127133	0.5000	0.5575	M

Average of Peak Amounts = 0.5762

RPD = 6.28

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.269	6.269	0.000	86414	0.0300	0.0359	
2	5.701	5.701	0.000	95216	0.0300	0.0321	

RPD = 11.02

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00097

Amount Added: 1.00

Units: mL

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:07:15

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Injection Date: 08-Dec-2014 09:40:41

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

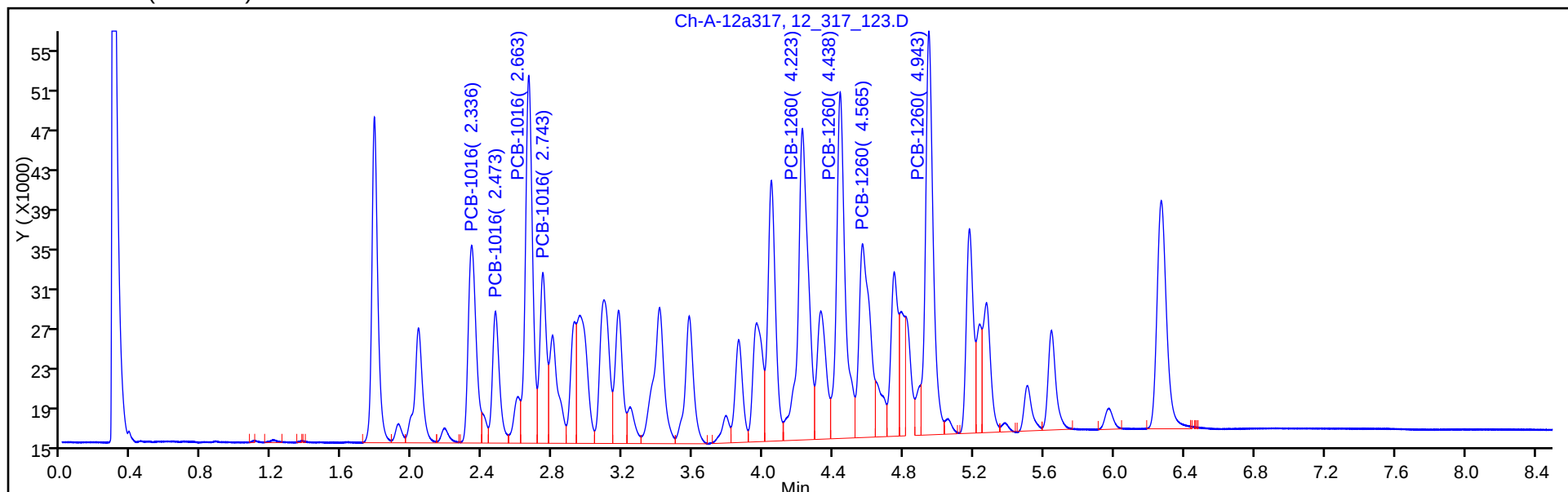
Dil. Factor: 1.0000

ALS Bottle#: 0

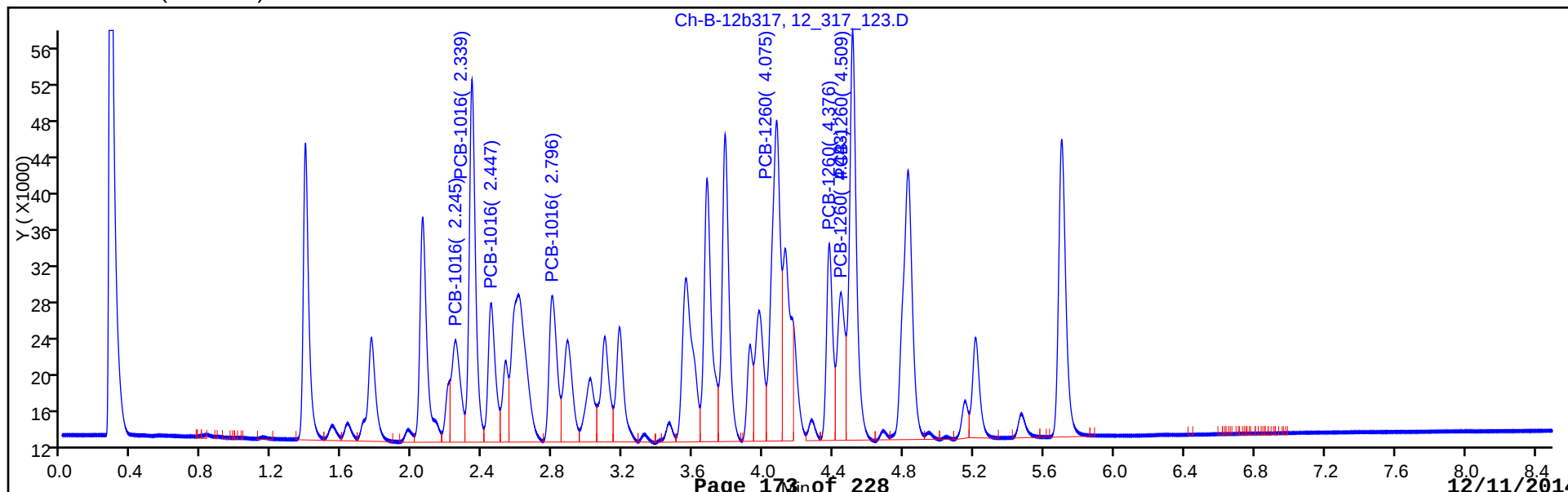
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Injection Date: 08-Dec-2014 09:40:41

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 15

Injection Vol: 1.0 ul

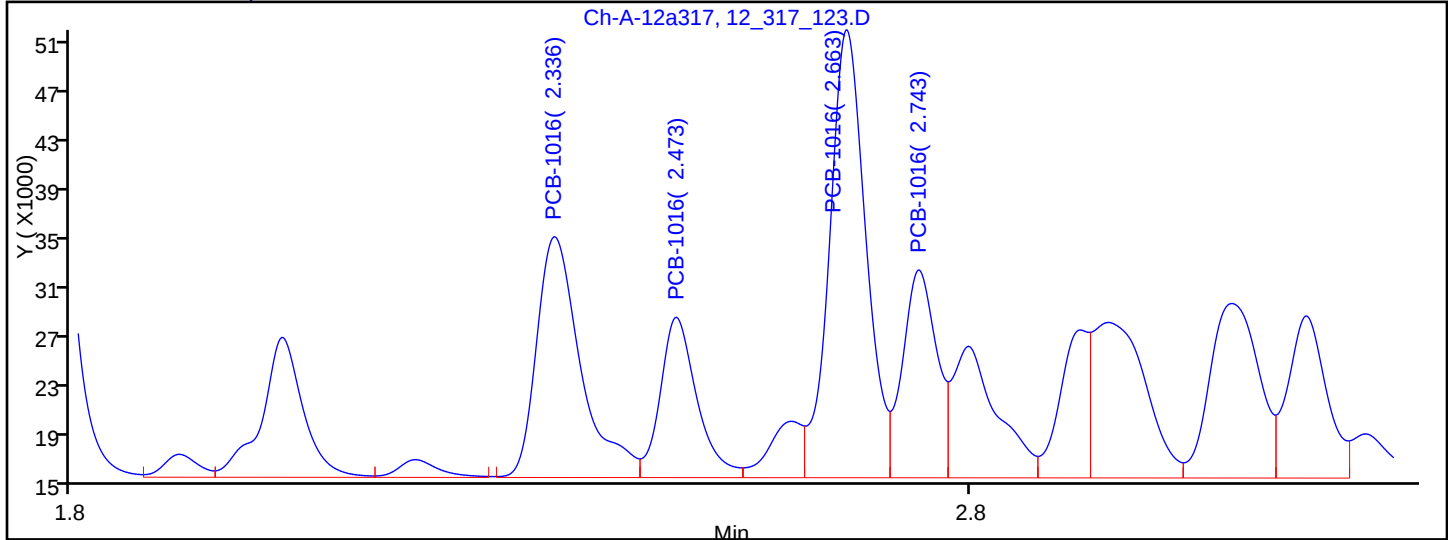
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

Detector: Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

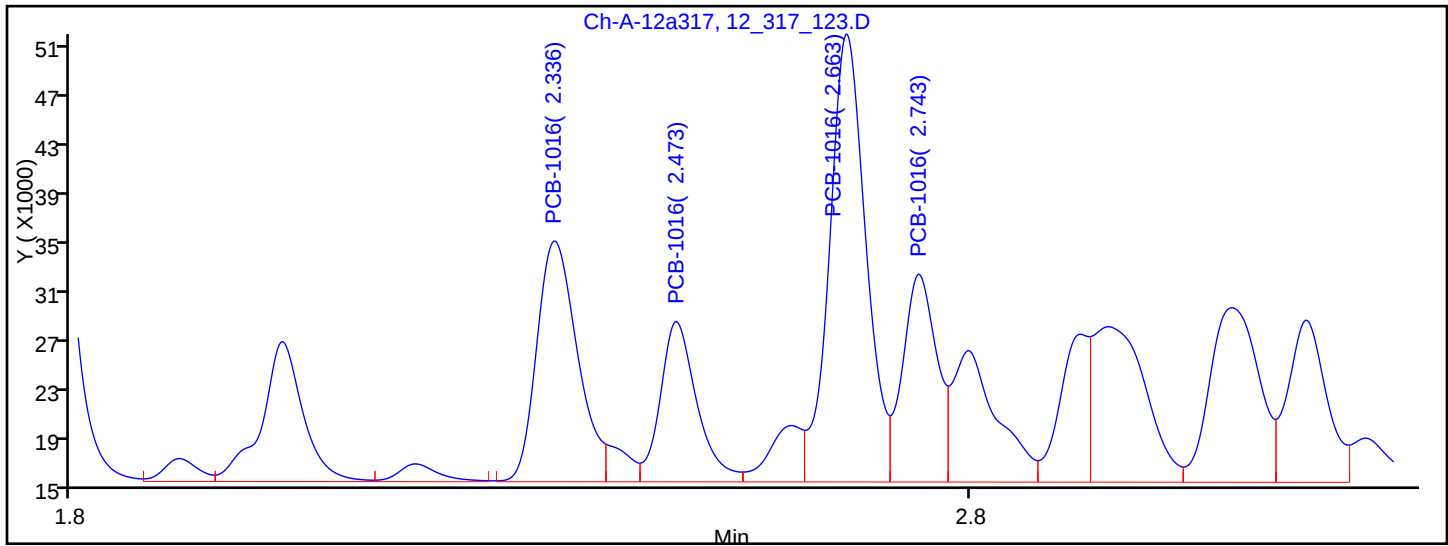
RT = 2.336 Response = 67485

M

RT = 2.473 Response = 37224

RT = 2.663 Response = 103654

RT = 2.743 Response = 44871



Manual Integration Results

RT = 2.336 Response = 62096

M

RT = 2.473 Response = 37224

RT = 2.663 Response = 103654

RT = 2.743 Response = 44871

Reviewer: eversd, 08-Dec-2014 10:05:34

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Injection Date: 08-Dec-2014 09:40:41

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 15

Injection Vol: 1.0 ul

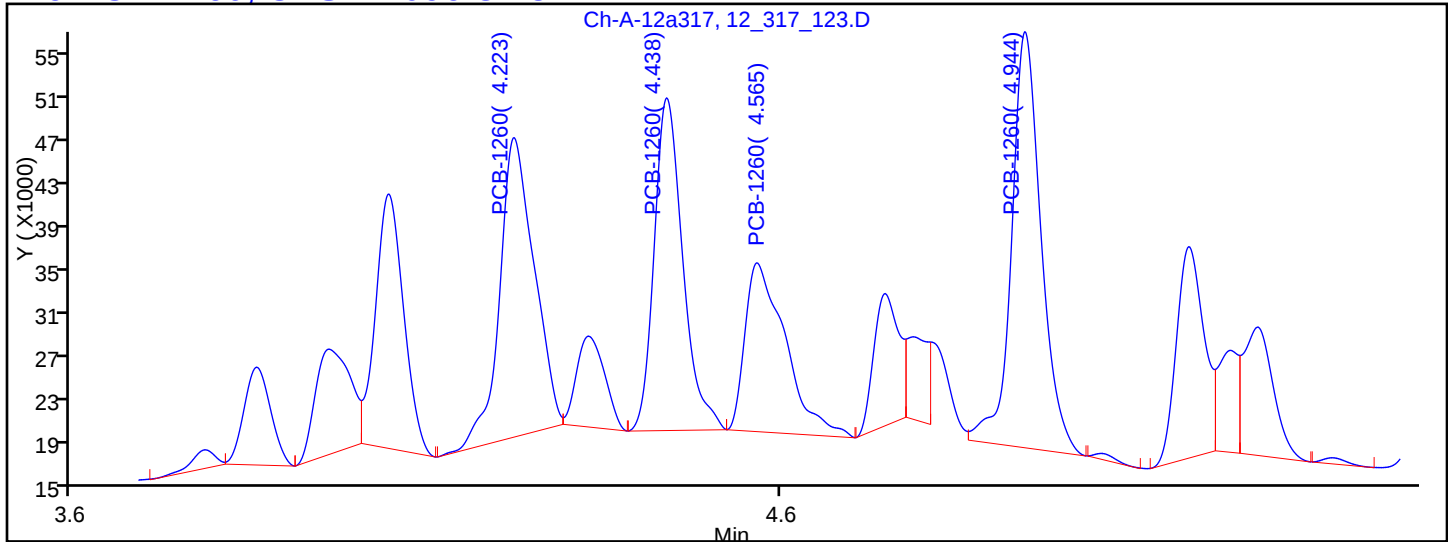
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

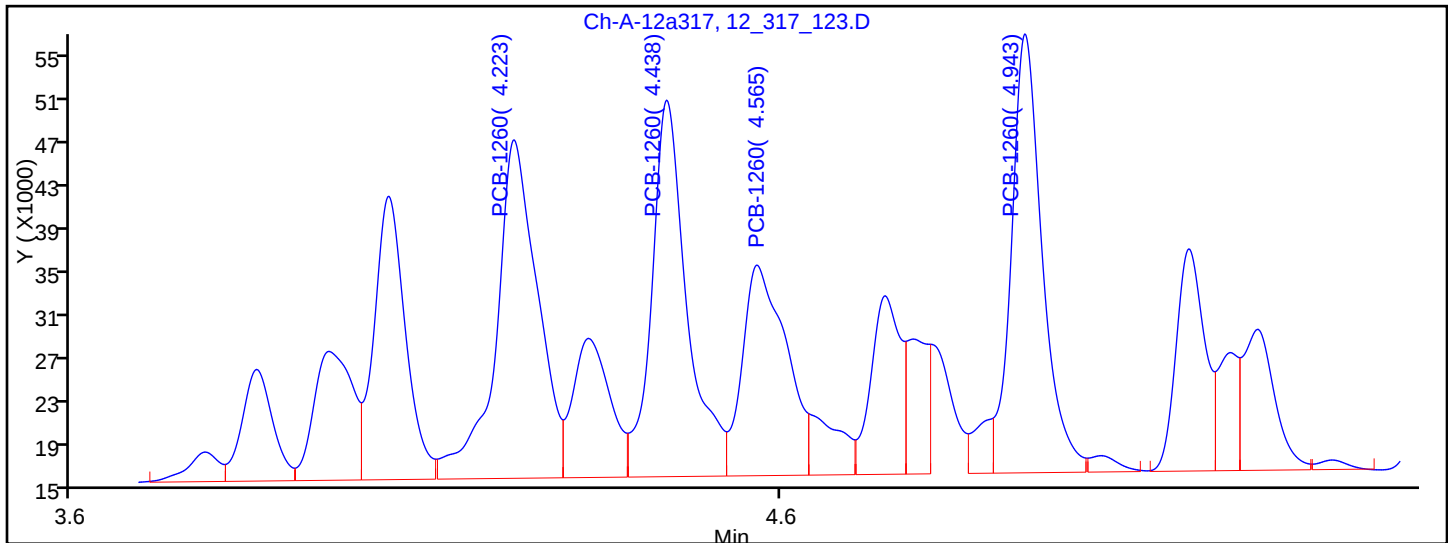
Column: ZB-5 (0.25 mm)

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.223	Response = 93129	M
RT = 4.438	Response = 85668	M
RT = 4.565	Response = 61328	M
RT = 4.944	Response = 110845	M



Manual Integration Results

RT = 4.223	Response = 127752	M
RT = 4.438	Response = 119131	M
RT = 4.565	Response = 83339	M
RT = 4.943	Response = 122015	M

Reviewer: eversd, 08-Dec-2014 10:05:34

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Lab Sample ID: CCV 480-217703/15 Calibration Date: 12/08/2014 09:40
 Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 10/02/2014 19:02
 Lab File ID: 12_317_123.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	66559	79004		0.593	0.500	18.7	20.0
PCB-1016 Peak 2	Ave	171134	202186		0.591	0.500	18.1	20.0
PCB-1016 Peak 3	Ave	76509	90260		0.590	0.500	18.0	20.0
PCB-1016 Peak 4	Ave	89693	102240		0.570	0.500	14.0	20.0
PCB-1260 Peak 1	Ave	209299	244508		0.584	0.500	16.8	20.0
PCB-1260 Peak 2	Ave	94315	106626		0.565	0.500	13.1	20.0
PCB-1260 Peak 3	Ave	81103	96982		0.598	0.500	19.6	20.0
PCB-1260 Peak 4	Ave	228039	254266		0.558	0.500	11.5	20.0
Tetrachloro-m-xylene	Lin		2388333		0.0352	0.0300	17.4	20.0
DCB Decachlorobiphenyl	Ave	2965383	3173867		0.0321	0.0300	7.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Lab Sample ID: CCV 480-217703/15 Calibration Date: 12/08/2014 09:40
Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 10/02/2014 19:02
Lab File ID: 12_317_123.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.25	2.22	2.28
PCB-1016 Peak 2	2.34	2.31	2.37
PCB-1016 Peak 3	2.45	2.42	2.48
PCB-1016 Peak 4	2.80	2.77	2.83
PCB-1260 Peak 1	4.08	4.05	4.11
PCB-1260 Peak 2	4.38	4.35	4.41
PCB-1260 Peak 3	4.44	4.41	4.47
PCB-1260 Peak 4	4.51	4.48	4.54
Tetrachloro-m-xylene	1.39	1.36	1.42
DCB Decachlorobiphenyl	5.70	5.67	5.73

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Dec-2014 09:40:41 ALS Bottle#: 0 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub21
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:07:14 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:07:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.782	1.782	0.000	76442	0.0300	0.0290	
2	1.389	1.389	0.000	71650	0.0300	0.0352	

RPD = 19.26

6 PCB-1016

M

1	2.336	2.336	0.000	62096	0.5000	0.4814	M
1	2.473	2.473	0.000	37224	0.5000	0.4907	
1	2.663	2.663	0.000	103654	0.5000	0.5004	
1	2.743	2.743	0.000	44871	0.5000	0.5080	

Average of Peak Amounts = 0.4951

2	2.245	2.245	0.000	39502	0.5000	0.5935	M
2	2.339	2.339	0.000	101093	0.5000	0.5907	
2	2.447	2.447	0.000	45130	0.5000	0.5899	
2	2.796	2.796	0.000	51120	0.5000	0.5699	

Average of Peak Amounts = 0.5860

RPD = 16.81

9 PCB-1260

M

1	4.223	4.223	0.000	127752	0.5000	0.5479	M
1	4.438	4.438	0.000	119131	0.5000	0.5421	M
1	4.565	4.565	0.000	83339	0.5000	0.5554	M
1	4.943	4.943	0.000	122015	0.5000	0.5191	M

Average of Peak Amounts = 0.5411

2	4.075	4.075	0.000	122254	0.5000	0.5841	M
2	4.376	4.376	0.000	53313	0.5000	0.5653	M
2	4.443	4.443	0.000	48491	0.5000	0.5979	M
2	4.509	4.509	0.000	127133	0.5000	0.5575	M

Average of Peak Amounts = 0.5762

RPD = 6.28

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.269	6.269	0.000	86414	0.0300	0.0359	
2	5.701	5.701	0.000	95216	0.0300	0.0321	

RPD = 11.02

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00097

Amount Added: 1.00

Units: mL

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:07:15

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Injection Date: 08-Dec-2014 09:40:41

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 15

Client ID:

Injection Vol: 1.0 ul

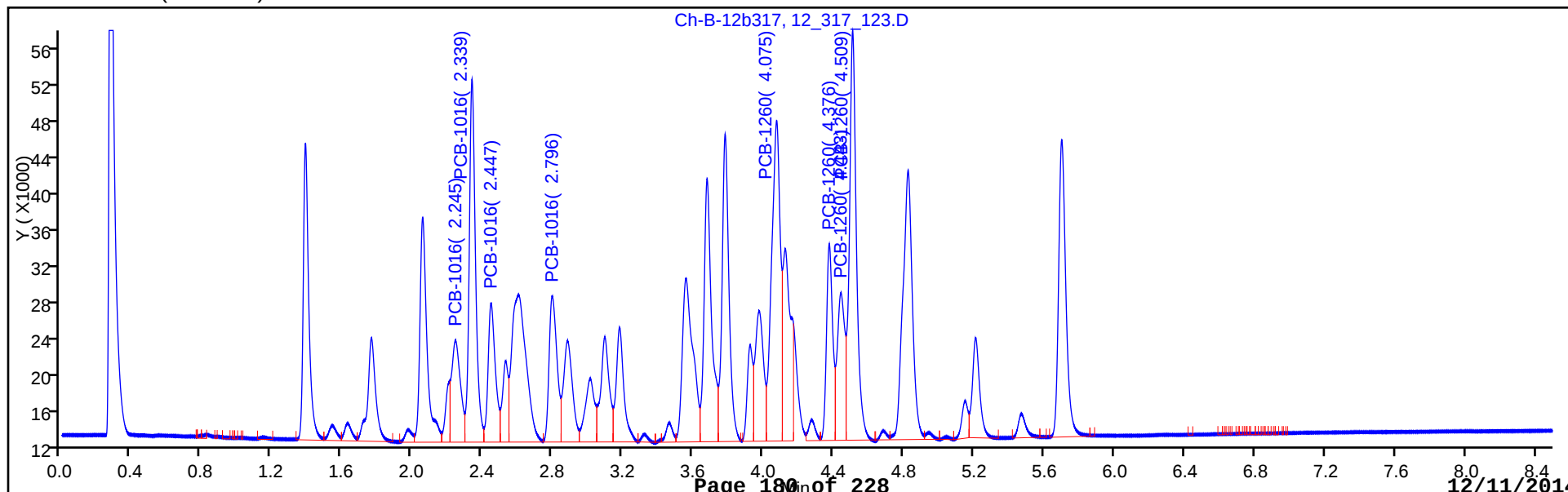
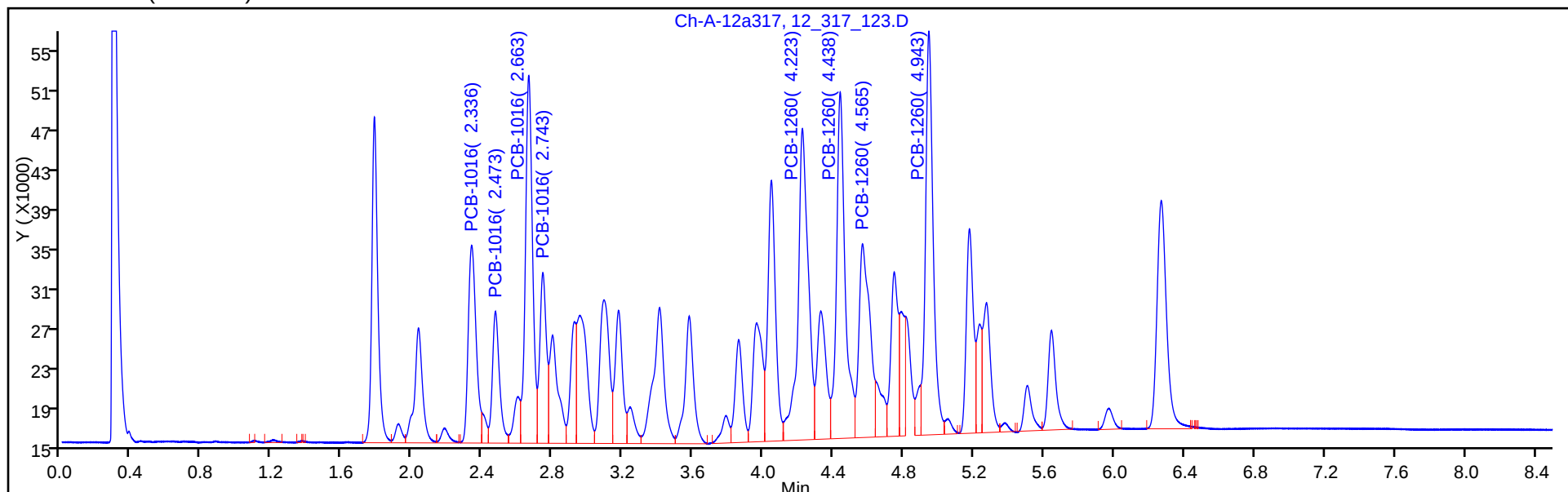
Dil. Factor: 1.0000

ALS Bottle#: 0

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Injection Date: 08-Dec-2014 09:40:41

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 15

Injection Vol: 1.0 ul

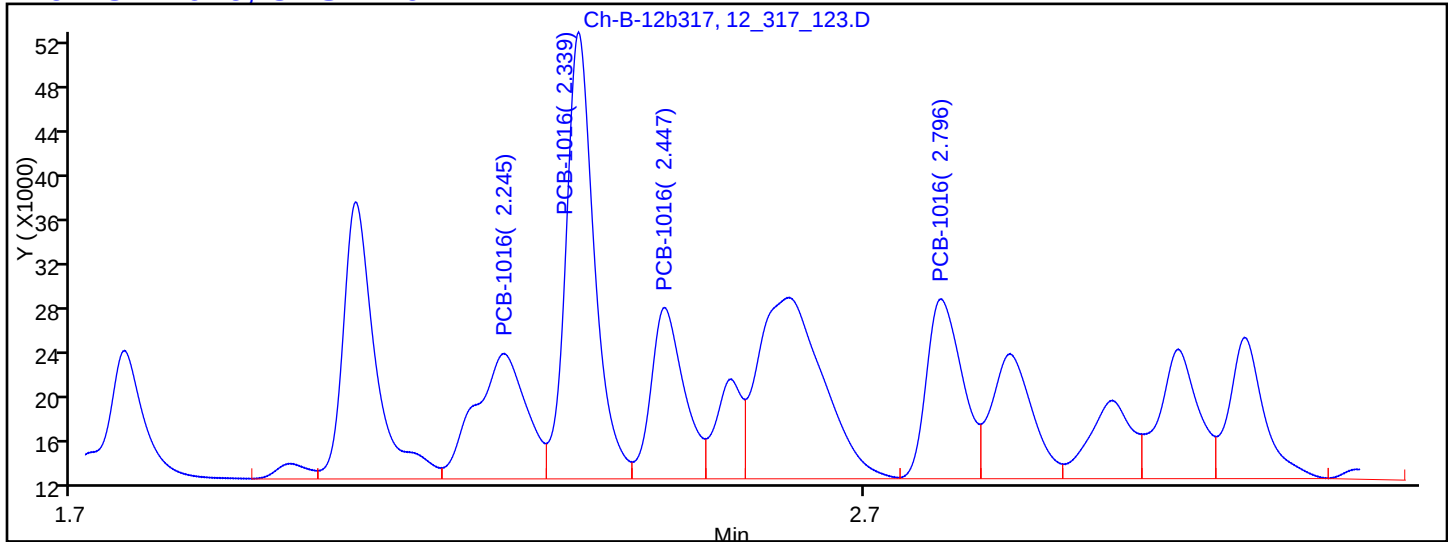
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-35 (0.53 mm)

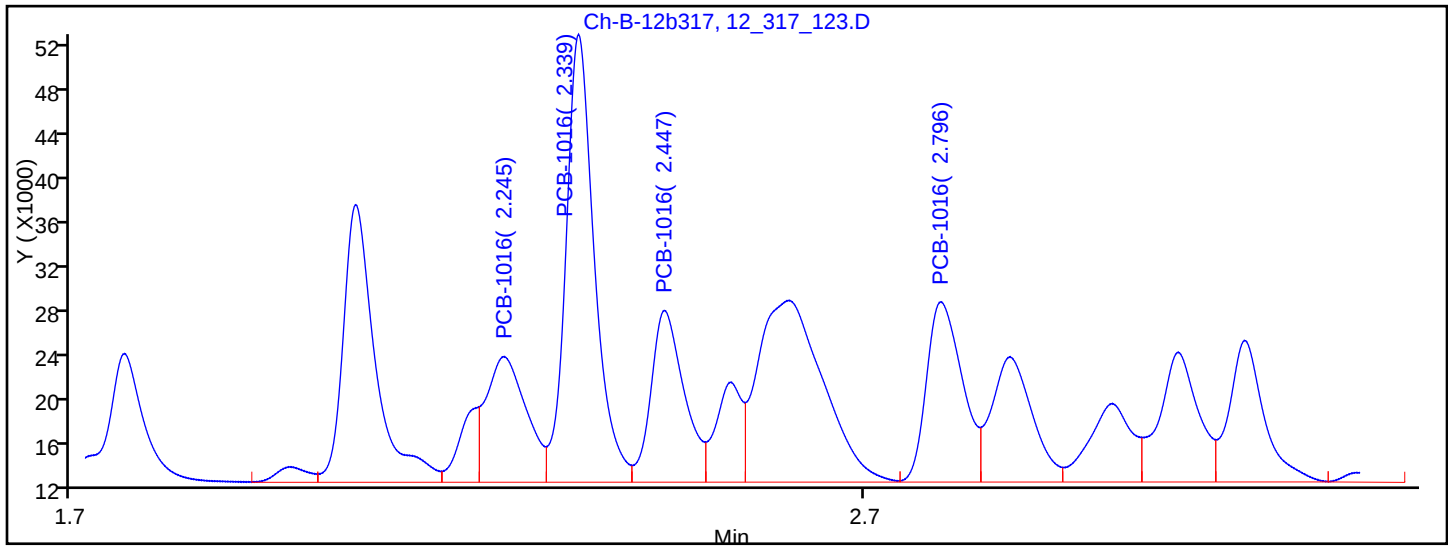
Detector: Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.245	Response = 50950
RT = 2.339	Response = 101093
RT = 2.447	Response = 45130
RT = 2.796	Response = 51120

M



Manual Integration Results

RT = 2.245	Response = 39502
RT = 2.339	Response = 101093
RT = 2.447	Response = 45130
RT = 2.796	Response = 51120

M

Reviewer: eversd, 08-Dec-2014 10:05:34

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_123.D

Injection Date: 08-Dec-2014 09:40:41

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 15

Injection Vol: 1.0 ul

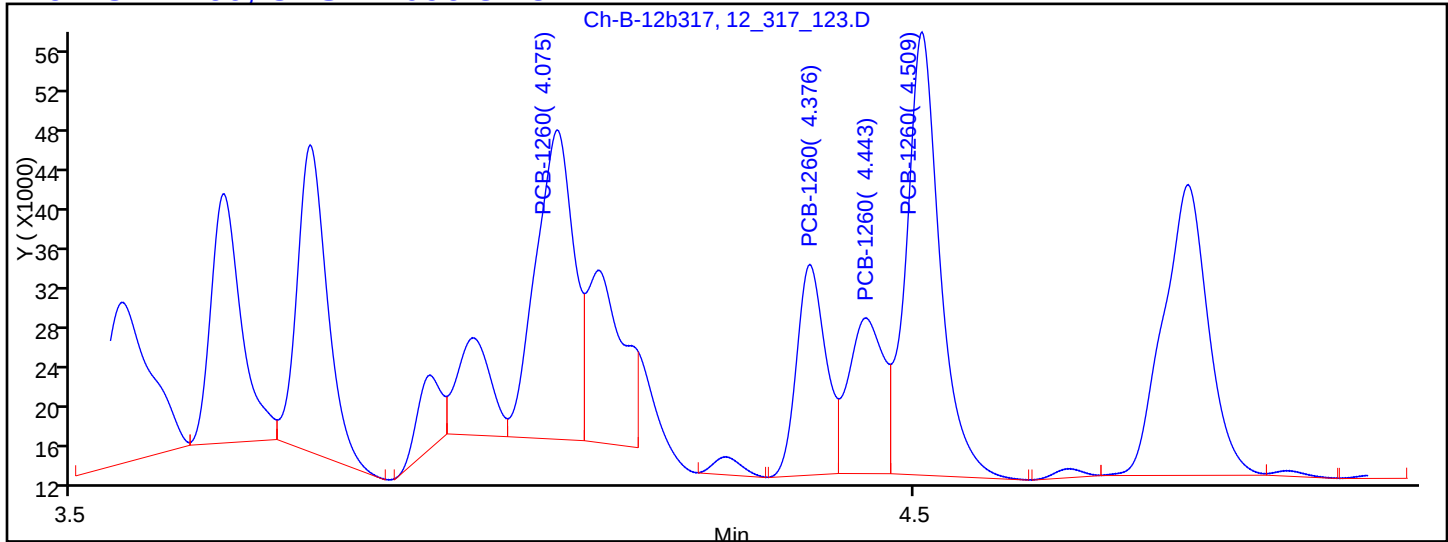
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

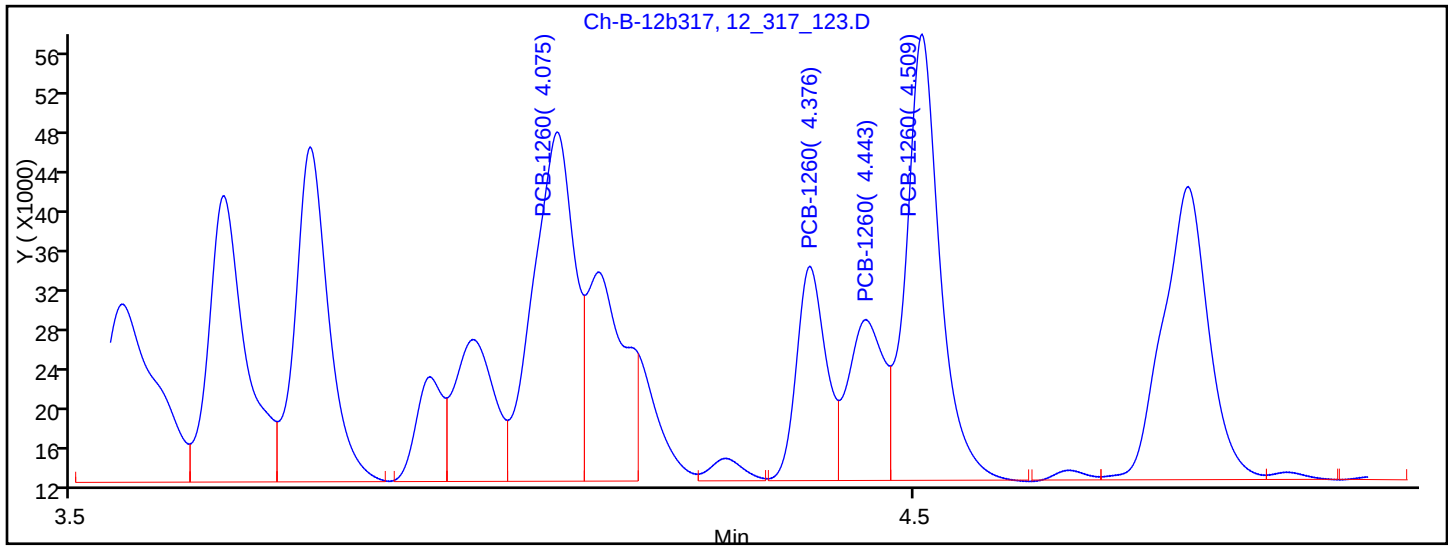
Column: ZB-35 (0.53 mm)

Detector: Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.075	Response = 99364	M
RT = 4.376	Response = 51483	M
RT = 4.443	Response = 46460	M
RT = 4.509	Response = 125323	M



Manual Integration Results

RT = 4.075	Response = 122254	M
RT = 4.376	Response = 53313	M
RT = 4.443	Response = 48491	M
RT = 4.509	Response = 127133	M

Reviewer: eversd, 08-Dec-2014 10:05:34

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Lab Sample ID: CCV 480-217703/24 Calibration Date: 12/08/2014 11:55
 Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
 GC Column: ZB-5 ID: 0.25 (mm) Calib End Date: 10/02/2014 19:02
 Lab File ID: 12_317_132.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	128987	124828		0.484	0.500	-3.2	20.0
PCB-1016 Peak 2	Ave	75860	75444		0.497	0.500	-0.5	20.0
PCB-1016 Peak 3	Ave	207150	207700		0.501	0.500	0.3	20.0
PCB-1016 Peak 4	Ave	88329	89588		0.507	0.500	1.4	20.0
PCB-1260 Peak 1	Ave	233183	257608		0.552	0.500	10.5	20.0
PCB-1260 Peak 2	Ave	219760	239152		0.544	0.500	8.8	20.0
PCB-1260 Peak 3	Ave	150055	165928		0.553	0.500	10.6	20.0
PCB-1260 Peak 4	Ave	235060	244576		0.520	0.500	4.0	20.0
Tetrachloro-m-xylene	Lin		2572600		0.0293	0.0300	-2.3	20.0
DCB Decachlorobiphenyl	Ave	2410189	2938567		0.0366	0.0300	21.9*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Lab Sample ID: CCV 480-217703/24 Calibration Date: 12/08/2014 11:55
Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
GC Column: ZB-5 ID: 0.25 (mm) Calib End Date: 10/02/2014 19:02
Lab File ID: 12_317_132.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.32	2.29	2.35
PCB-1016 Peak 2	2.45	2.42	2.48
PCB-1016 Peak 3	2.65	2.62	2.68
PCB-1016 Peak 4	2.73	2.70	2.76
PCB-1260 Peak 1	4.22	4.19	4.25
PCB-1260 Peak 2	4.44	4.41	4.47
PCB-1260 Peak 3	4.56	4.53	4.59
PCB-1260 Peak 4	4.94	4.91	4.97
Tetrachloro-m-xylene	1.76	1.73	1.79
DCB Decachlorobiphenyl	6.27	6.24	6.30

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Dec-2014 11:55:03 ALS Bottle#: 0 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub21
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:13:13 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last Ical File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd Date: 08-Dec-2014 12:13:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.755	1.755	0.000	77178	0.0300	0.0293	
2	1.364	1.364	0.000	71432	0.0300	0.0351	
RPD = 18.00							

6 PCB-1016

1	2.316	2.316	0.000	62414	0.5000	0.4839	M
1	2.453	2.453	0.000	37722	0.5000	0.4973	
1	2.645	2.645	0.000	103850	0.5000	0.5013	
1	2.727	2.727	0.000	44794	0.5000	0.5071	
Average of Peak Amounts =							0.4974
2	2.222	2.222	0.000	40816	0.5000	0.6132	M
2	2.317	2.317	0.000	102291	0.5000	0.5977	
2	2.427	2.427	0.000	45360	0.5000	0.5929	
2	2.783	2.783	0.000	51352	0.5000	0.5725	
Average of Peak Amounts =							0.5941
RPD = 17.72							

9 PCB-1260

1	4.219	4.219	0.000	128804	0.5000	0.5524	
1	4.435	4.435	0.000	119576	0.5000	0.5441	
1	4.563	4.563	0.000	82964	0.5000	0.5529	M
1	4.943	4.943	0.000	122288	0.5000	0.5202	M
Average of Peak Amounts =							0.5424
2	4.073	4.073	0.000	123349	0.5000	0.5893	M
2	4.373	4.373	0.000	55074	0.5000	0.5839	M
2	4.440	4.440	0.000	50496	0.5000	0.6226	M
2	4.507	4.507	0.000	131023	0.5000	0.5746	M
Average of Peak Amounts =							0.5926
RPD = 8.85							

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 12 DCB Decachlorobiphenyl

1	6.272	6.272	0.000	88157	0.0300	0.0366	
2	5.704	5.704	0.000	95501	0.0300	0.0322	

RPD = 12.71

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00097

Amount Added: 1.00

Units: mL

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:13:13

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Injection Date: 08-Dec-2014 11:55:03

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 24

Client ID:

Injection Vol: 1.0 ul

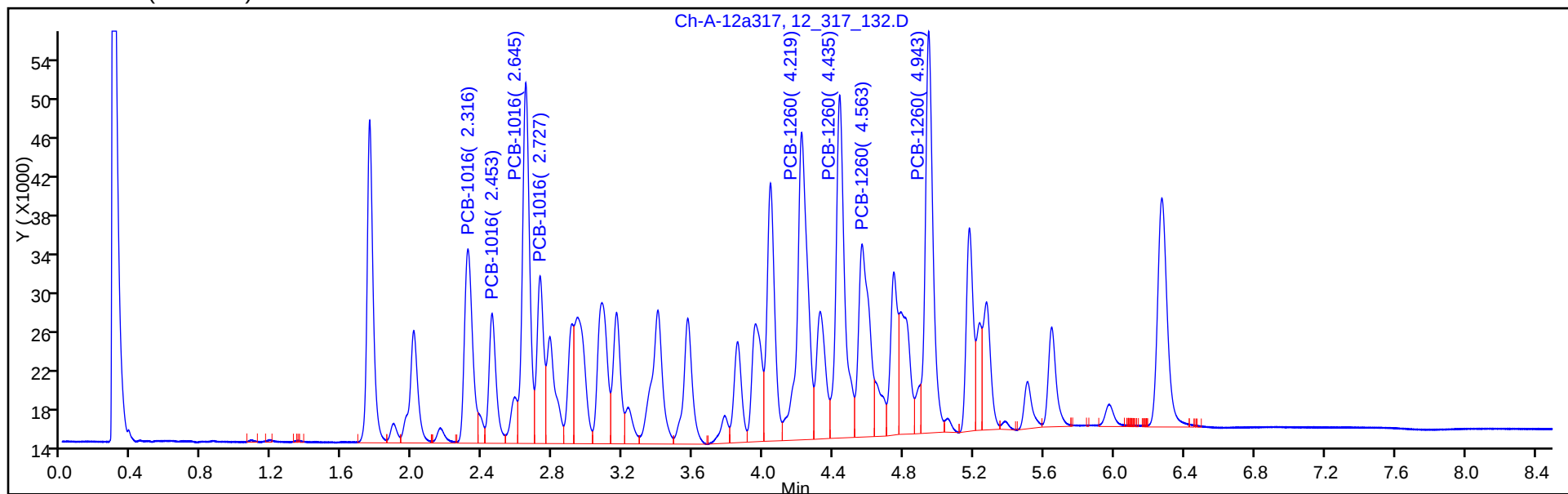
Dil. Factor: 1.0000

ALS Bottle#: 0

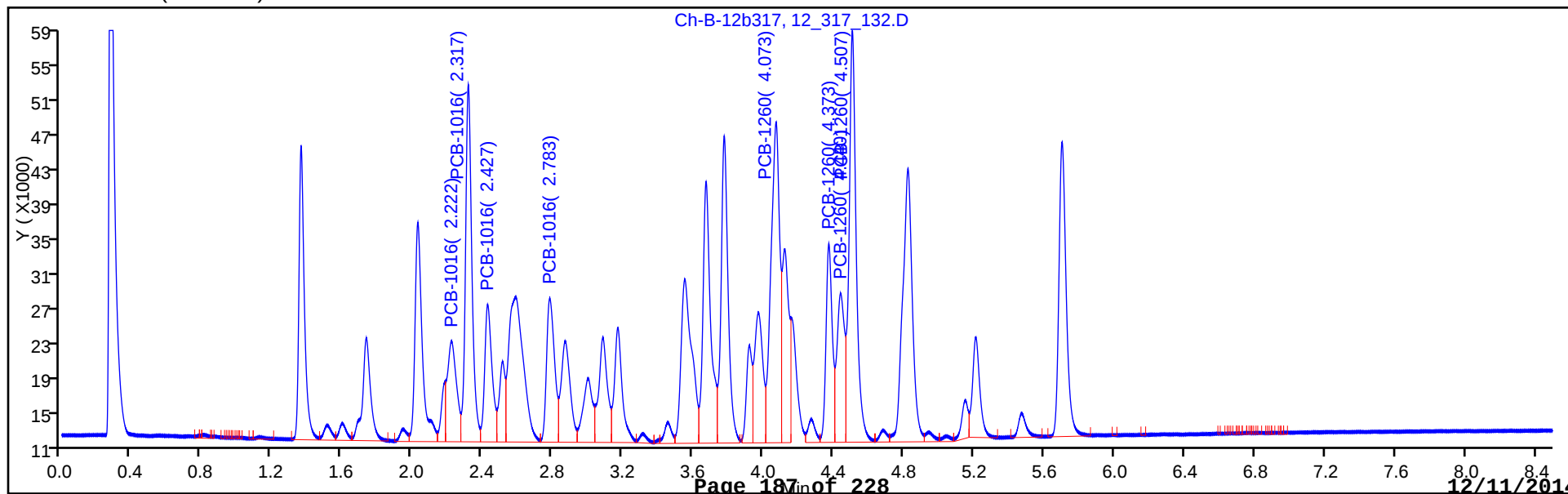
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Injection Date: 08-Dec-2014 11:55:03

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

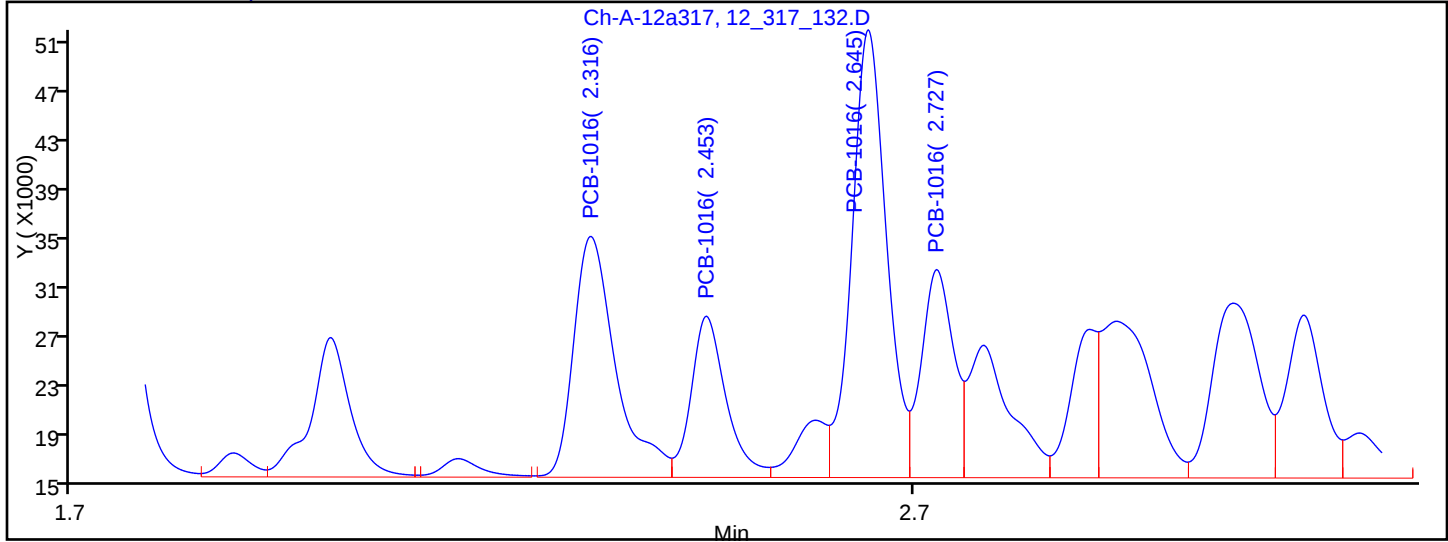
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

Detector Ch-A-7A136

6 PCB-1016, CAS: 12674-11-2



Processing Integration Results

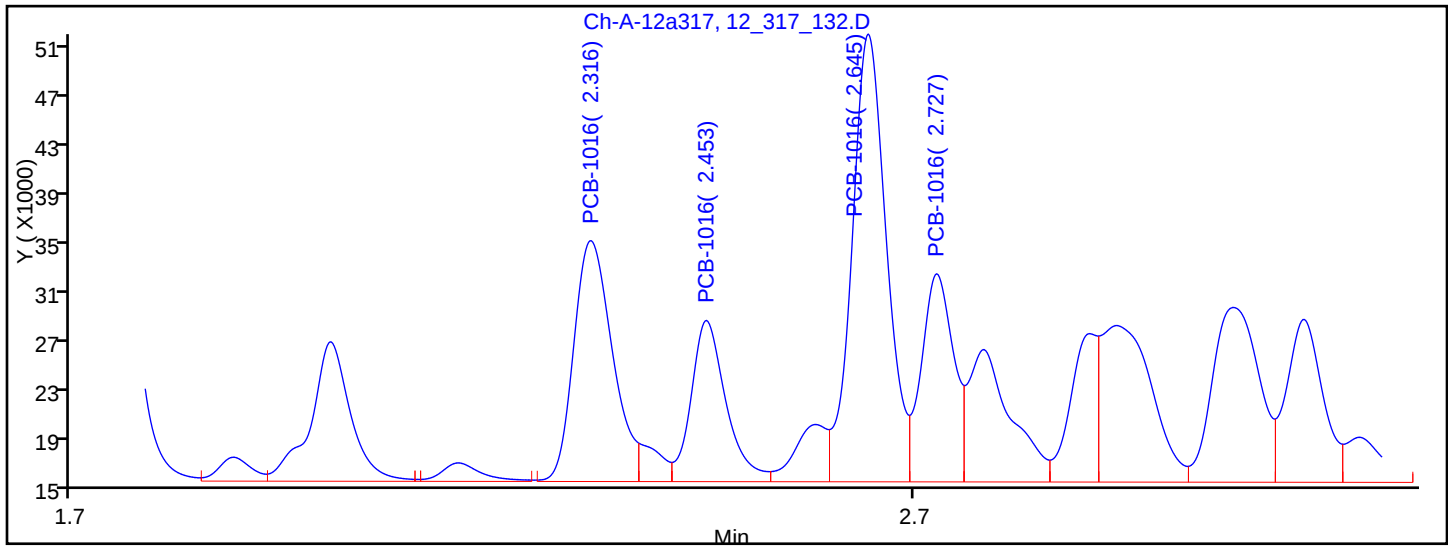
RT = 2.316 Response = 68070

M

RT = 2.453 Response = 37722

RT = 2.645 Response = 103850

RT = 2.727 Response = 44794



Manual Integration Results

RT = 2.316 Response = 62414

M

RT = 2.453 Response = 37722

RT = 2.645 Response = 103850

RT = 2.727 Response = 44794

Reviewer: eversd, 08-Dec-2014 12:13:13

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Injection Date: 08-Dec-2014 11:55:03

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 24

Injection Vol: 1.0 ul

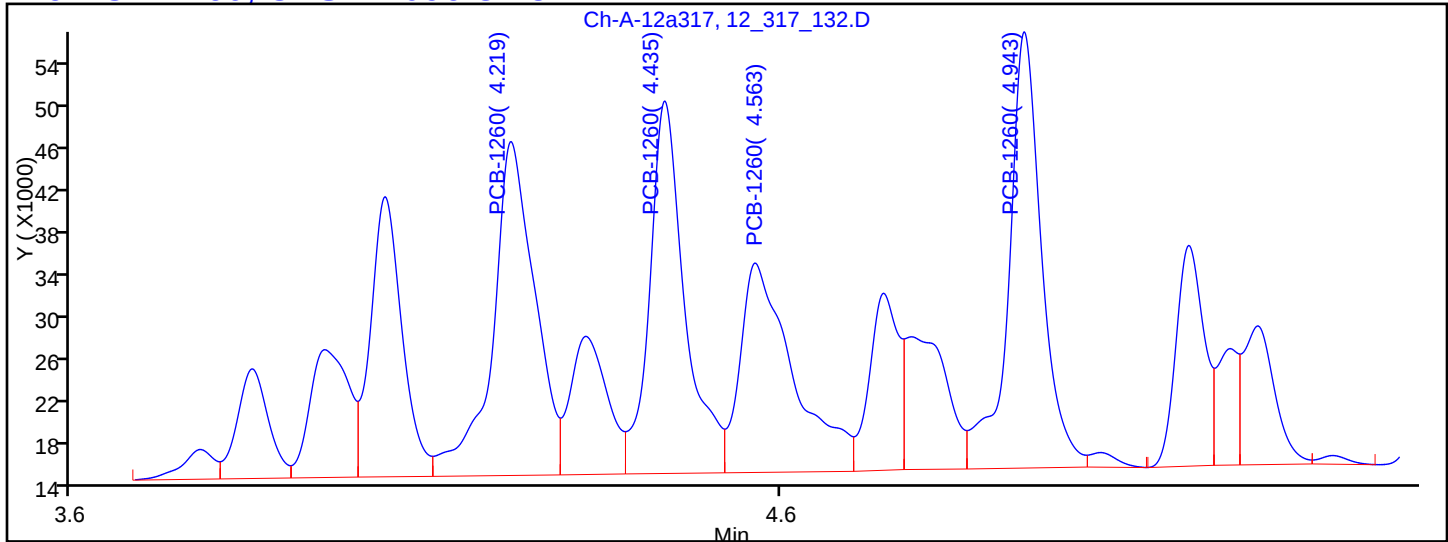
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)

Detector Ch-A-7A136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.219 Response = 128804

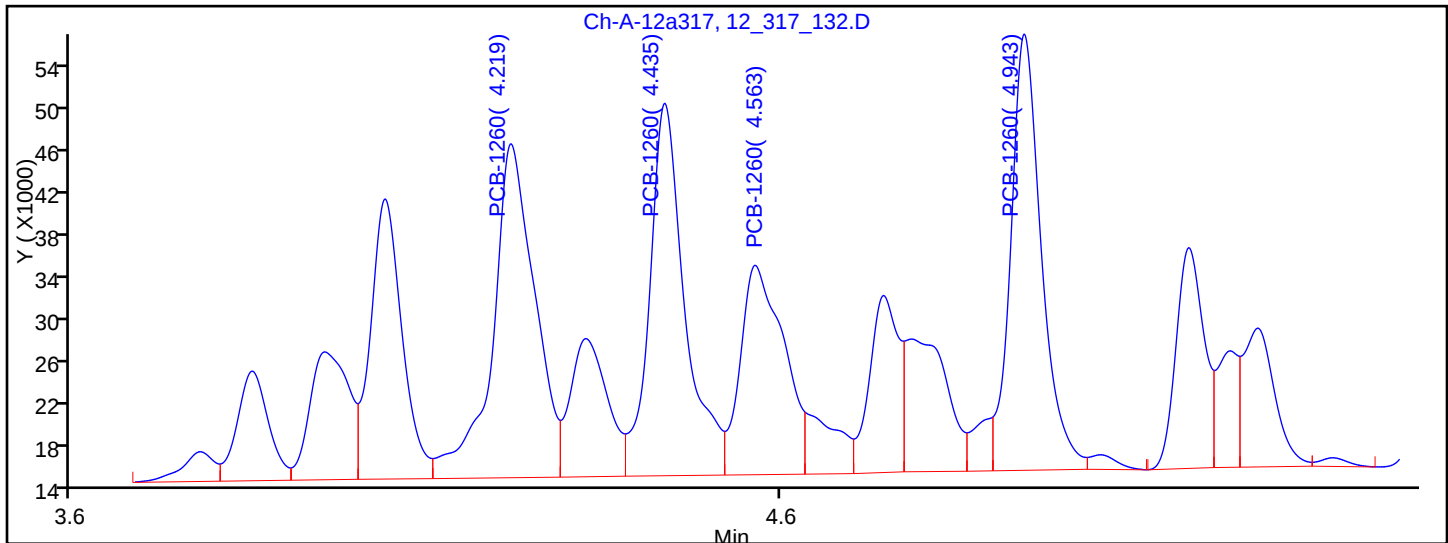
RT = 4.435 Response = 119576

RT = 4.563 Response = 101208

RT = 4.943 Response = 131797

M

M



Manual Integration Results

RT = 4.219 Response = 128804

RT = 4.435 Response = 119576

RT = 4.563 Response = 82964

RT = 4.943 Response = 122288

M

M

Reviewer: eversd, 08-Dec-2014 12:13:13

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Lab Sample ID: CCV 480-217703/24 Calibration Date: 12/08/2014 11:55
 Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 10/02/2014 19:02
 Lab File ID: 12_317_132.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	66559	81632		0.613	0.500	22.6*	20.0
PCB-1016 Peak 2	Ave	171134	204582		0.598	0.500	19.5	20.0
PCB-1016 Peak 3	Ave	76509	90720		0.593	0.500	18.6	20.0
PCB-1016 Peak 4	Ave	89693	102704		0.573	0.500	14.5	20.0
PCB-1260 Peak 1	Ave	209299	246698		0.589	0.500	17.9	20.0
PCB-1260 Peak 2	Ave	94315	110148		0.584	0.500	16.8	20.0
PCB-1260 Peak 3	Ave	81103	100992		0.623	0.500	24.5*	20.0
PCB-1260 Peak 4	Ave	228039	262046		0.575	0.500	14.9	20.0
Tetrachloro-m-xylene	Lin		2381067		0.0351	0.0300	17.0	20.0
DCB Decachlorobiphenyl	Ave	2965383	3183367		0.0322	0.0300	7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Lab Sample ID: CCV 480-217703/24 Calibration Date: 12/08/2014 11:55
Instrument ID: HP5890-12 Calib Start Date: 10/02/2014 17:33
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 10/02/2014 19:02
Lab File ID: 12_317_132.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.22	2.19	2.25
PCB-1016 Peak 2	2.32	2.29	2.35
PCB-1016 Peak 3	2.43	2.40	2.46
PCB-1016 Peak 4	2.78	2.75	2.81
PCB-1260 Peak 1	4.07	4.04	4.10
PCB-1260 Peak 2	4.37	4.34	4.40
PCB-1260 Peak 3	4.44	4.41	4.47
PCB-1260 Peak 4	4.51	4.48	4.54
Tetrachloro-m-xylene	1.36	1.33	1.39
DCB Decachlorobiphenyl	5.70	5.67	5.73

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Dec-2014 11:55:03 ALS Bottle#: 0 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Sublist: chrom-hp12_pcb*sub21
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:13:13 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:13:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.755	1.755	0.000	77178	0.0300	0.0293	
2	1.364	1.364	0.000	71432	0.0300	0.0351	
RPD = 18.00							

6 PCB-1016

1	2.316	2.316	0.000	62414	0.5000	0.4839	M
1	2.453	2.453	0.000	37722	0.5000	0.4973	
1	2.645	2.645	0.000	103850	0.5000	0.5013	
1	2.727	2.727	0.000	44794	0.5000	0.5071	
Average of Peak Amounts =							0.4974
2	2.222	2.222	0.000	40816	0.5000	0.6132	M
2	2.317	2.317	0.000	102291	0.5000	0.5977	
2	2.427	2.427	0.000	45360	0.5000	0.5929	
2	2.783	2.783	0.000	51352	0.5000	0.5725	
Average of Peak Amounts =							0.5941
RPD = 17.72							

9 PCB-1260

1	4.219	4.219	0.000	128804	0.5000	0.5524	
1	4.435	4.435	0.000	119576	0.5000	0.5441	
1	4.563	4.563	0.000	82964	0.5000	0.5529	M
1	4.943	4.943	0.000	122288	0.5000	0.5202	M
Average of Peak Amounts =							0.5424
2	4.073	4.073	0.000	123349	0.5000	0.5893	M
2	4.373	4.373	0.000	55074	0.5000	0.5839	M
2	4.440	4.440	0.000	50496	0.5000	0.6226	M
2	4.507	4.507	0.000	131023	0.5000	0.5746	M
Average of Peak Amounts =							0.5926
RPD = 8.85							

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 12 DCB Decachlorobiphenyl

1	6.272	6.272	0.000	88157	0.0300	0.0366	
2	5.704	5.704	0.000	95501	0.0300	0.0322	

RPD = 12.71

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

AR1660 .5NG_00097

Amount Added: 1.00

Units: mL

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:13:14

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Injection Date: 08-Dec-2014 11:55:03

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: CCV

Worklist Smp#: 24

Client ID:

Injection Vol: 1.0 ul

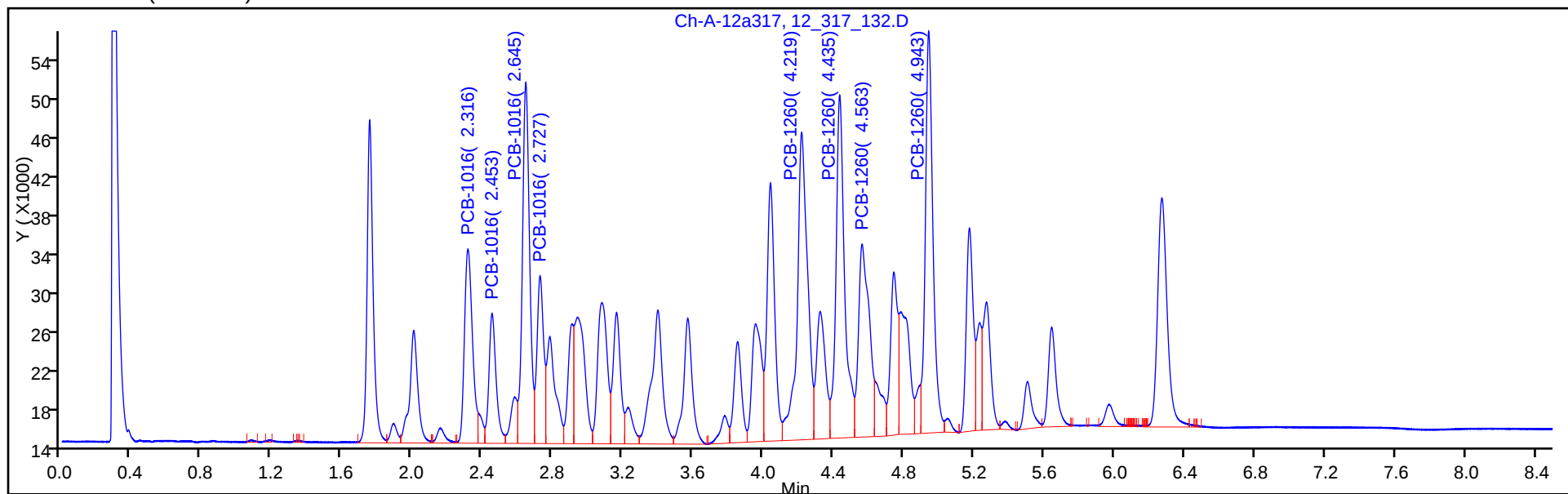
Dil. Factor: 1.0000

ALS Bottle#: 0

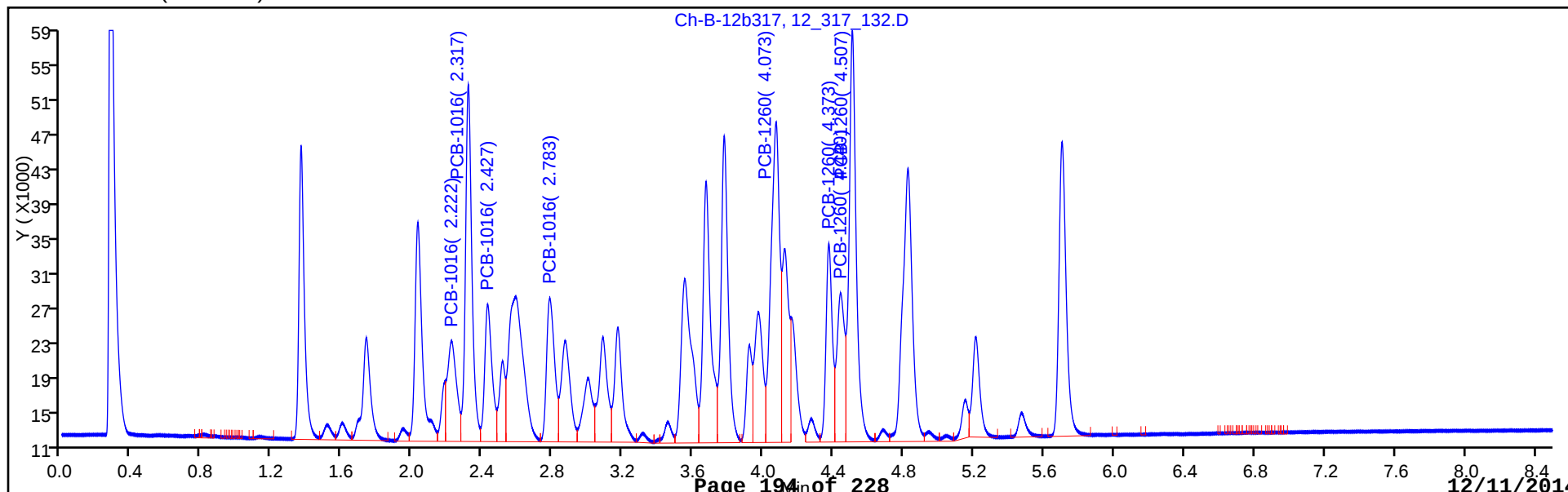
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Injection Date: 08-Dec-2014 11:55:03

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 24

Injection Vol: 1.0 ul

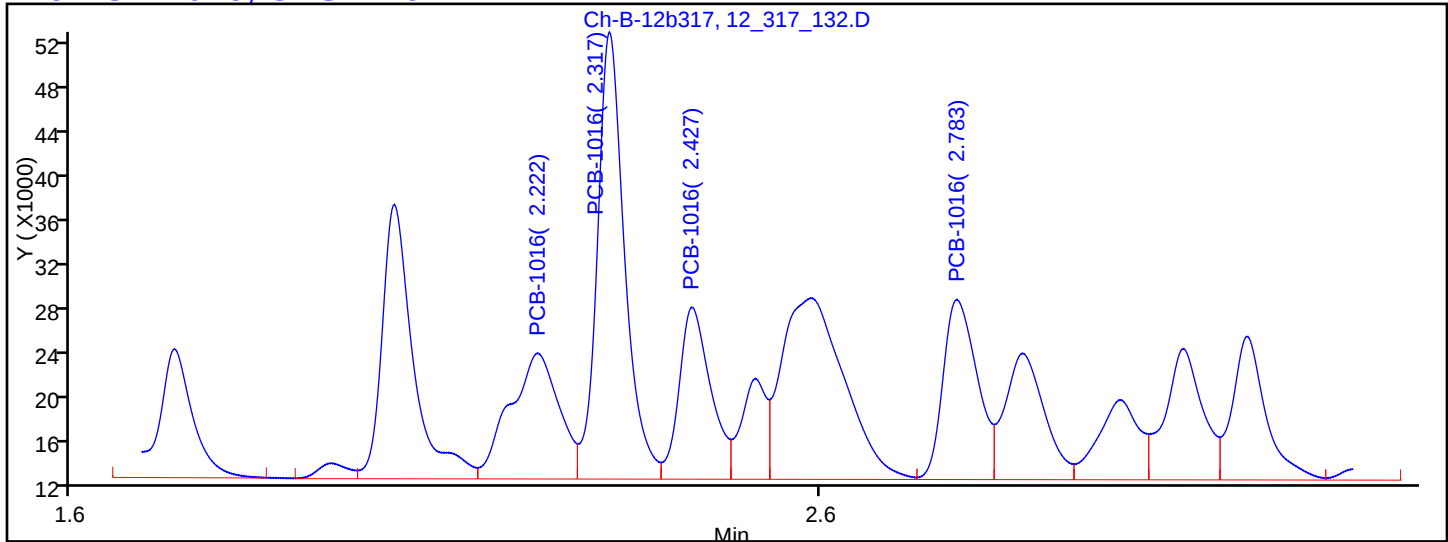
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

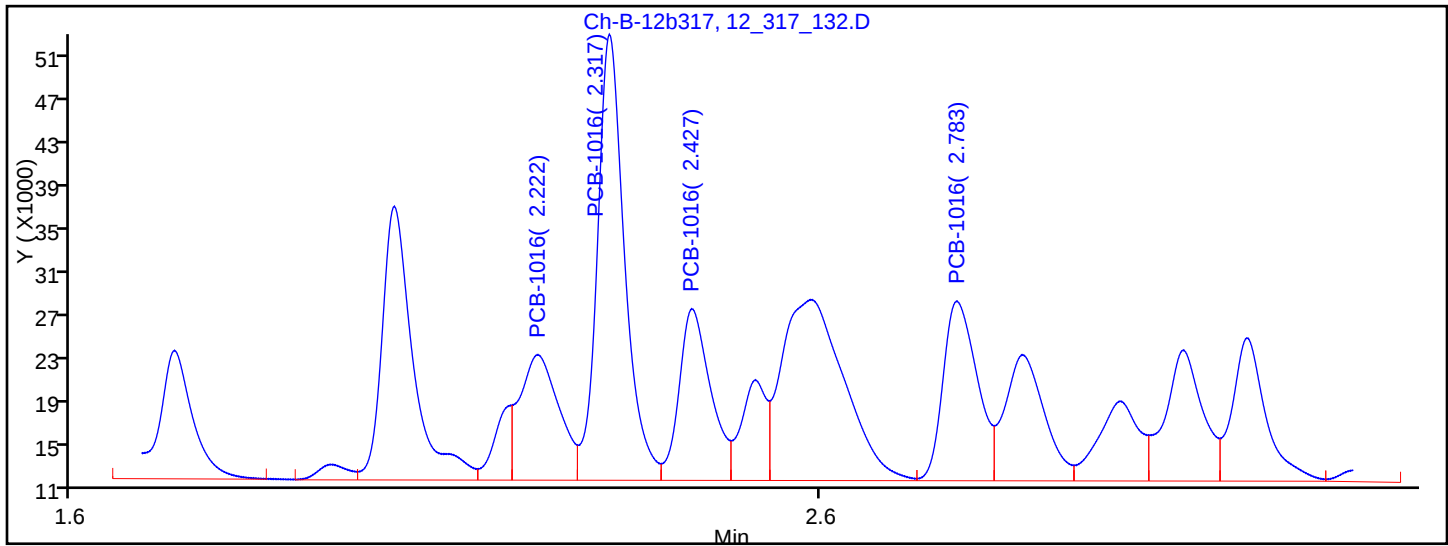
Column: ZB-35 (0.53 mm)

Detector: Ch-B-7b136

6 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.222	Response = 51496	M
RT = 2.317	Response = 102291	
RT = 2.427	Response = 45360	
RT = 2.783	Response = 51352	



Manual Integration Results

RT = 2.222	Response = 40816	M
RT = 2.317	Response = 102291	
RT = 2.427	Response = 45360	
RT = 2.783	Response = 51352	

Reviewer: eversd, 08-Dec-2014 12:13:13

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_132.D

Injection Date: 08-Dec-2014 11:55:03

Instrument ID: HP5890-12

Lims ID: CCV

Client ID:

Operator ID: buftchrom

ALS Bottle#: 0

Worklist Smp#: 24

Injection Vol: 1.0 ul

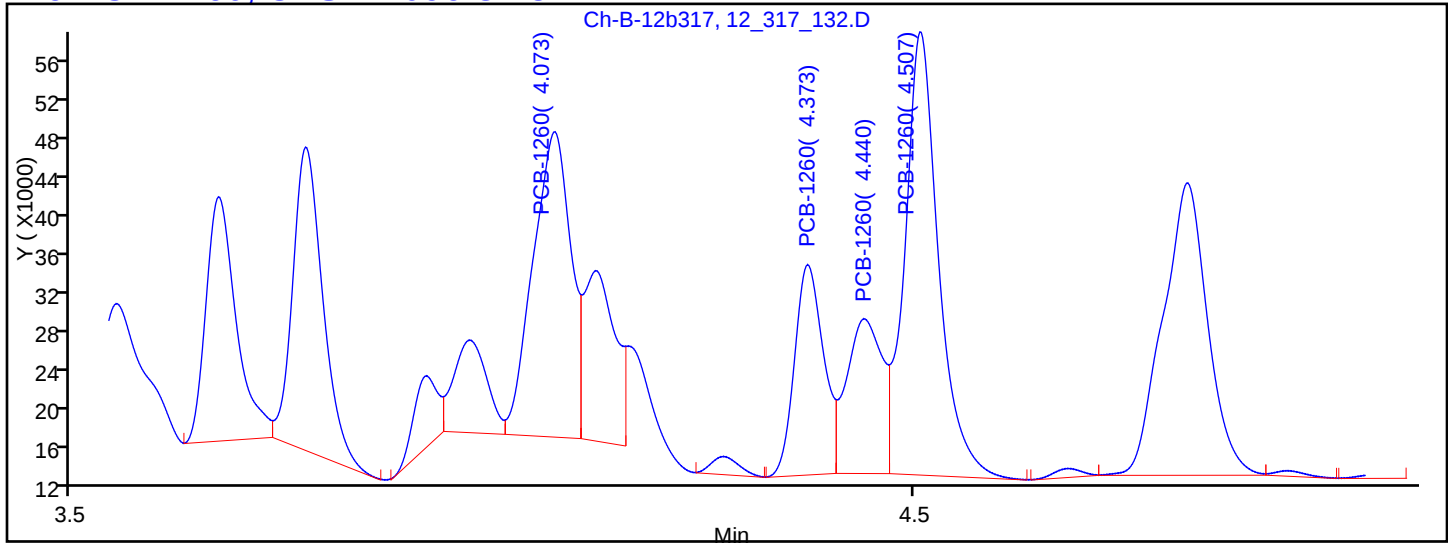
Dil. Factor: 1.0000

Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

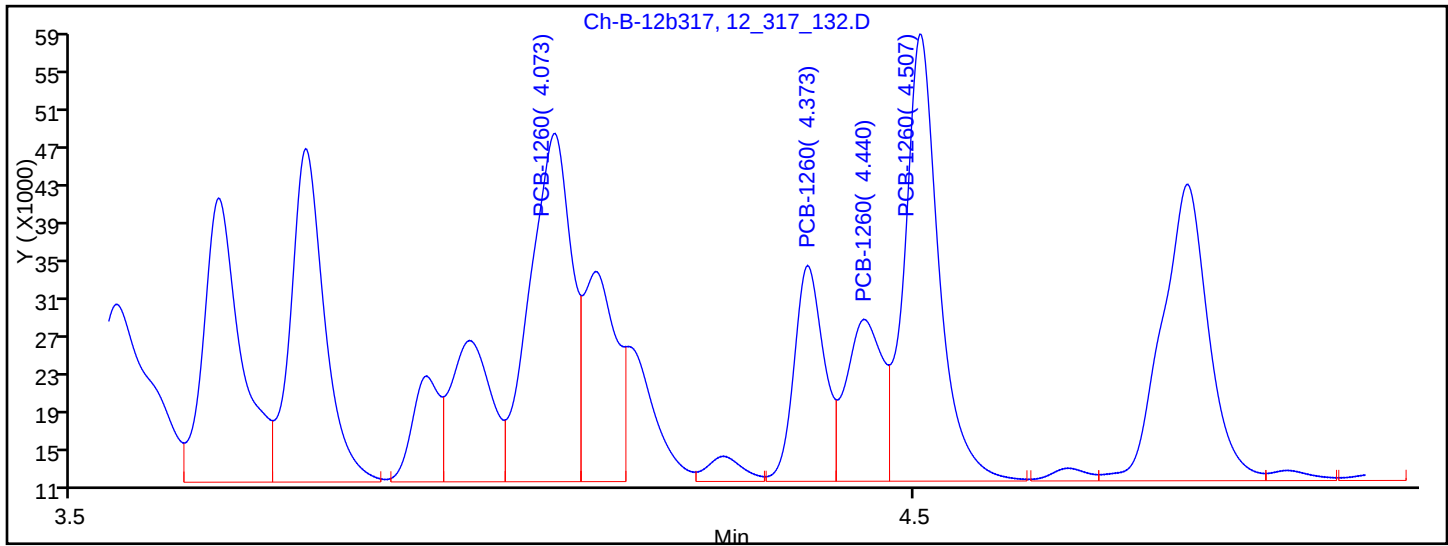
Column: ZB-35 (0.53 mm)

Detector: Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 4.073	Response = 98060	M
RT = 4.373	Response = 51834	M
RT = 4.440	Response = 47338	M
RT = 4.507	Response = 126373	M



Manual Integration Results

RT = 4.073	Response = 123349	M
RT = 4.373	Response = 55074	M
RT = 4.440	Response = 50496	M
RT = 4.507	Response = 131023	M

Reviewer: eversd, 08-Dec-2014 12:13:13

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-217607/1-A
Matrix: Wipe Lab File ID: 12_317_125.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:10
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		57-173
2051-24-3	DCB Decachlorobiphenyl	134		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_125.D
 Lims ID: MB 480-217607/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Dec-2014 10:10:29 ALS Bottle#: 0 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:08:10 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd Date: 08-Dec-2014 12:08:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.787	1.782	0.005	53345	0.0200	0.0202	
2	1.390	1.389	0.001	49737	0.0200	0.0245	
RPD = 19.35							

\$ 12 DCB Decachlorobiphenyl

1	6.269	6.269	0.000	64590	0.0200	0.0268	
2	5.702	5.701	0.001	72935	0.0200	0.0246	
RPD = 8.57							

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:08:10

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_125.D

Injection Date: 08-Dec-2014 10:10:29

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: MB 480-217607/1-A

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

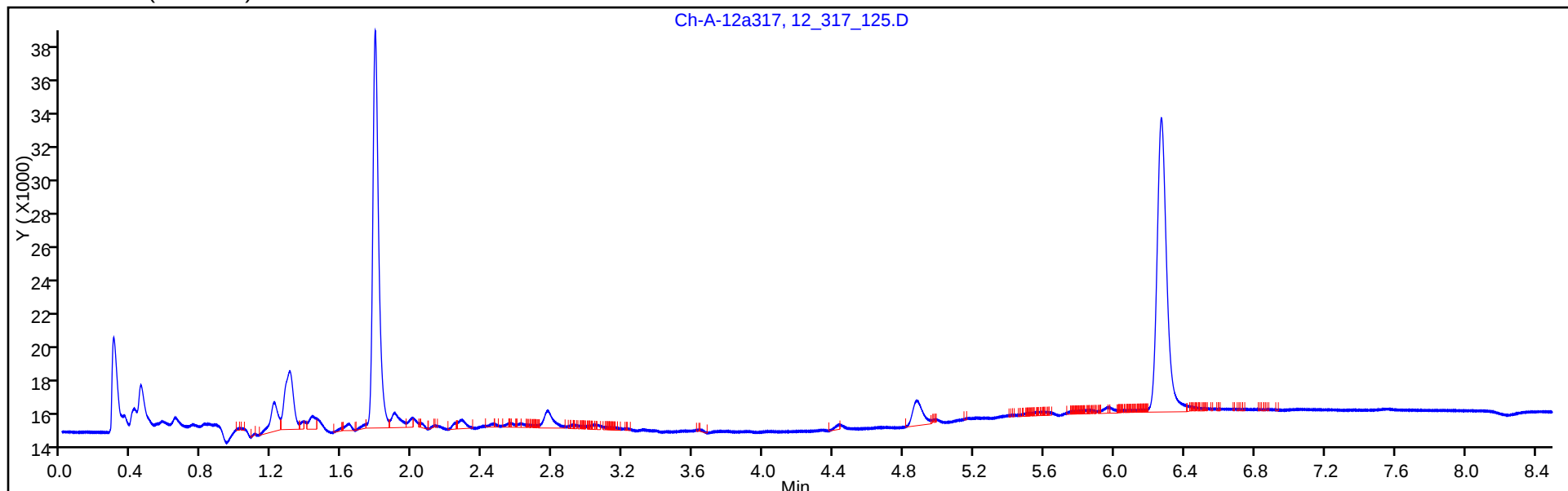
Dil. Factor: 1.0000

ALS Bottle#: 0

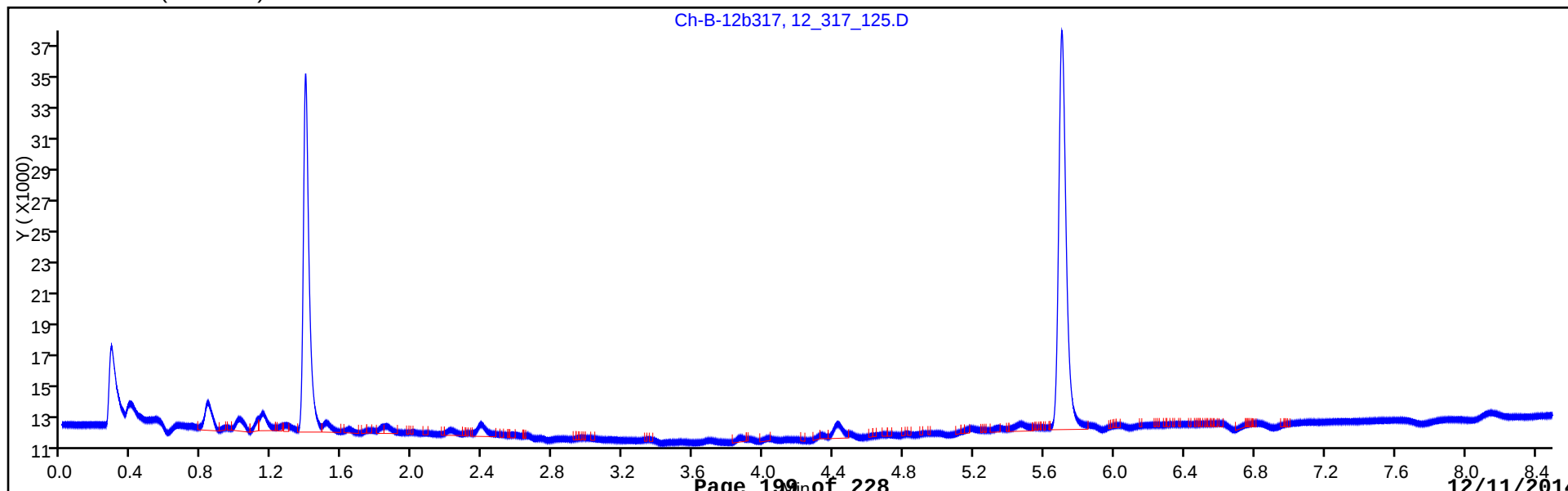
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-217607/1-A

Matrix: Wipe Lab File ID: 12_317_125.D

Analysis Method: 8082A Date Collected: _____

Extraction Method: 3550C Date Extracted: 12/05/2014 19:38

Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:10

Con. Extract Vol.: 40 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		1.0	0.18
11104-28-2	PCB-1221	ND		1.0	0.18
11141-16-5	PCB-1232	ND		1.0	0.18
53469-21-9	PCB-1242	ND		1.0	0.18
12672-29-6	PCB-1248	ND		1.0	0.18
11097-69-1	PCB-1254	ND		1.0	0.25
11096-82-5	PCB-1260	ND		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	122		57-173
2051-24-3	DCB Decachlorobiphenyl	123		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_125.D
 Lims ID: MB 480-217607/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Dec-2014 10:10:29 ALS Bottle#: 0 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:08:10 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICAL File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:08:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.787	1.782	0.005	53345	0.0200	0.0202	
2	1.390	1.389	0.001	49737	0.0200	0.0245	
RPD = 19.35							

\$ 12 DCB Decachlorobiphenyl

1	6.269	6.269	0.000	64590	0.0200	0.0268	
2	5.702	5.701	0.001	72935	0.0200	0.0246	
RPD = 8.57							

Reagents:

COPPER_00049 Amount Added: 1.00 Units: mL Run Reagent

Report Date: 08-Dec-2014 12:08:10

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_125.D

Injection Date: 08-Dec-2014 10:10:29

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: MB 480-217607/1-A

Worklist Smp#: 17

Client ID:

Injection Vol: 1.0 ul

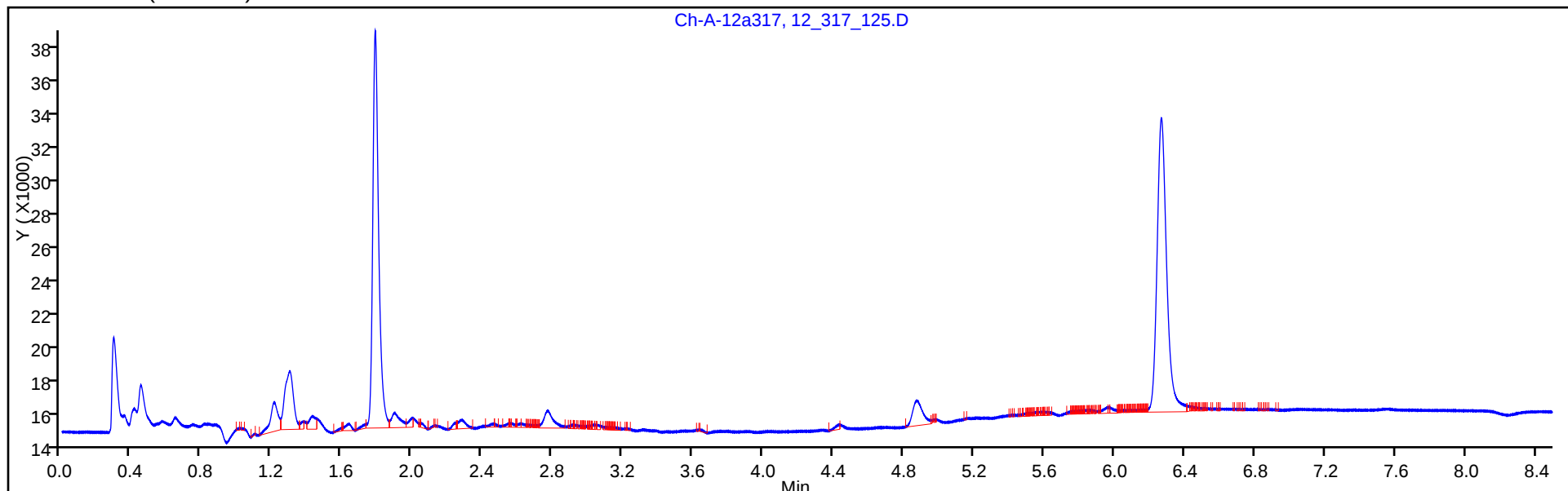
Dil. Factor: 1.0000

ALS Bottle#: 0

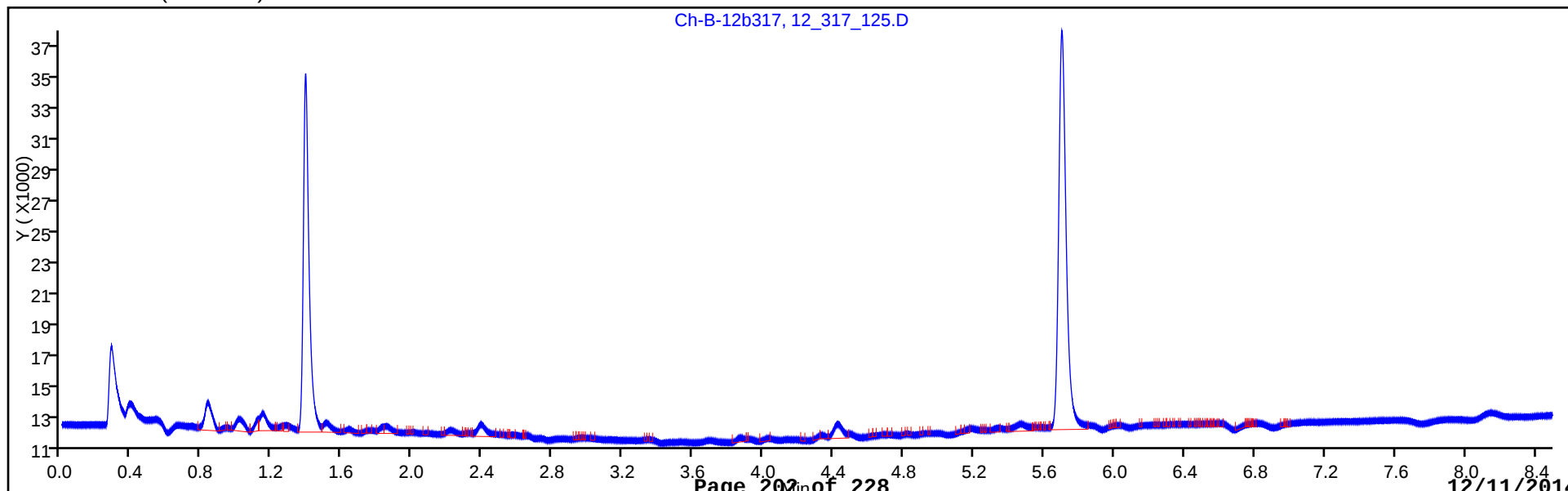
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-217607/2-A
Matrix: Wipe Lab File ID: 12_317_126.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:25
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	113		57-173
2051-24-3	DCB Decachlorobiphenyl	132		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_126.D
 Lims ID: LCS 480-217607/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Dec-2014 10:25:22 ALS Bottle#: 0 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:10:25 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd Date: 08-Dec-2014 12:10:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
-----	--------------	------------------	------------------	----------	------------------	--------------------	-------

\$ 3 Tetrachloro-m-xylene

1	1.743	1.743	0.000	59848	0.0200	0.0227	a
2	1.355	1.355	0.000	47838	0.0200	0.0235	a
						RPD = 3.85	

6 PCB-1016

1	2.302	2.302	0.000	73952	0.5000	0.5733	a
1	2.439	2.439	0.000	40645	0.5000	0.5358	a
1	2.632	2.632	0.000	110385	0.5000	0.5329	a
1	2.714	2.714	0.000	49073	0.5000	0.5556	a
Average of Peak Amounts =						0.5494	
2	2.208	2.208	0.000	51071	0.5000	0.7673	a
2	2.303	2.303	0.000	109925	0.5000	0.6423	a
2	2.413	2.413	0.000	47851	0.5000	0.6254	a
2	2.768	2.768	0.000	54683	0.5000	0.6097	
Average of Peak Amounts =						0.6612	
						RPD = 18.47	

9 PCB-1260

1	4.211	4.211	0.000	118940	0.5000	0.5101	
1	4.429	4.429	0.000	108582	0.5000	0.4941	
1	4.557	4.557	0.000	103686	0.5000	0.6910	
1	4.938	4.938	0.000	145418	0.5000	0.6186	
Average of Peak Amounts =						0.5784	
2	4.065	4.065	0.000	115371	0.5000	0.5512	
2	4.368	4.368	0.000	66067	0.5000	0.7005	
2	4.433	4.433	0.000	57155	0.5000	0.7047	
2	4.501	4.501	0.000	154945	0.5000	0.6795	
Average of Peak Amounts =						0.6590	
						RPD = 13.02	

\$ 12 DCB Decachlorobiphenyl

1	6.268	6.268	0.000	63623	0.0200	0.0264	
2	5.701	5.701	0.000	69616	0.0200	0.0235	
						RPD = 11.71	

Reagents:

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:10:25

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_126.D

Injection Date: 08-Dec-2014 10:25:22

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: LCS 480-217607/2-A

Worklist Smp#: 18

Client ID:

Injection Vol: 1.0 ul

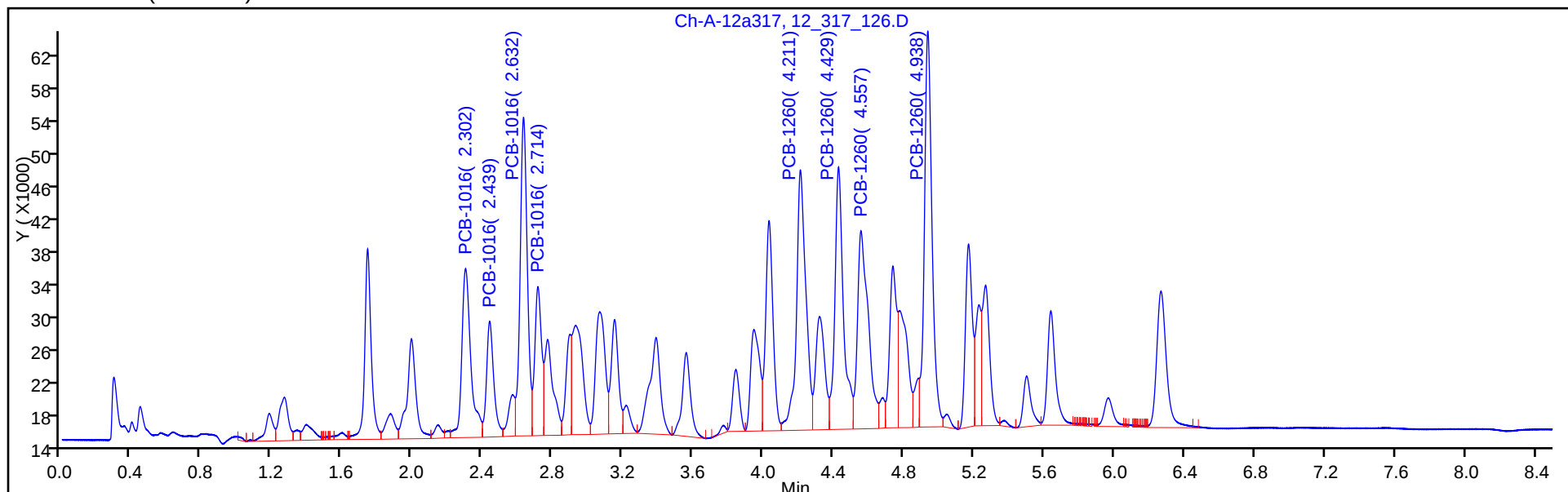
Dil. Factor: 1.0000

ALS Bottle#: 0

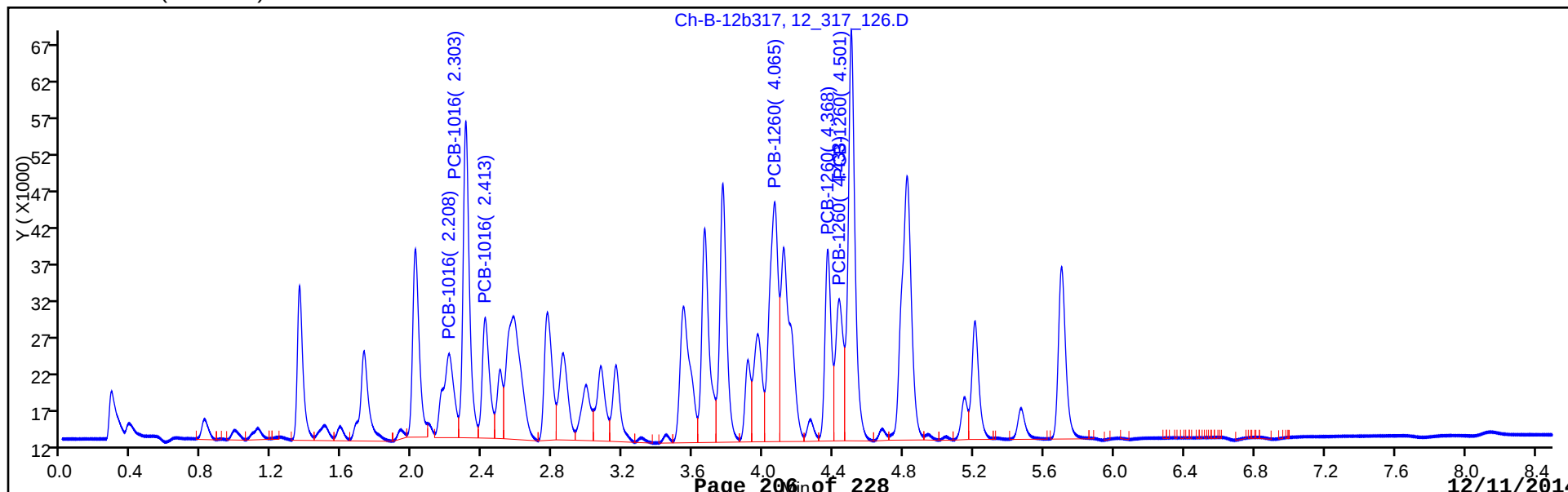
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-217607/2-A
 Matrix: Wipe Lab File ID: 12_317_126.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
 Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:25
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	26.4		1.0	0.18
11096-82-5	PCB-1260	26.4		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	118		57-173
2051-24-3	DCB Decachlorobiphenyl	117		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_126.D
 Lims ID: LCS 480-217607/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Dec-2014 10:25:22 ALS Bottle#: 0 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:10:25 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:10:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.743	1.743	0.000	59848	0.0200	0.0227	a
2	1.355	1.355	0.000	47838	0.0200	0.0235	a
						RPD = 3.85	

6 PCB-1016

1	2.302	2.302	0.000	73952	0.5000	0.5733	a
1	2.439	2.439	0.000	40645	0.5000	0.5358	a
1	2.632	2.632	0.000	110385	0.5000	0.5329	a
1	2.714	2.714	0.000	49073	0.5000	0.5556	a
Average of Peak Amounts =						0.5494	
2	2.208	2.208	0.000	51071	0.5000	0.7673	a
2	2.303	2.303	0.000	109925	0.5000	0.6423	a
2	2.413	2.413	0.000	47851	0.5000	0.6254	a
2	2.768	2.768	0.000	54683	0.5000	0.6097	
Average of Peak Amounts =						0.6612	
						RPD = 18.47	

9 PCB-1260

1	4.211	4.211	0.000	118940	0.5000	0.5101	
1	4.429	4.429	0.000	108582	0.5000	0.4941	
1	4.557	4.557	0.000	103686	0.5000	0.6910	
1	4.938	4.938	0.000	145418	0.5000	0.6186	
Average of Peak Amounts =						0.5784	
2	4.065	4.065	0.000	115371	0.5000	0.5512	
2	4.368	4.368	0.000	66067	0.5000	0.7005	
2	4.433	4.433	0.000	57155	0.5000	0.7047	
2	4.501	4.501	0.000	154945	0.5000	0.6795	
Average of Peak Amounts =						0.6590	
						RPD = 13.02	

\$ 12 DCB Decachlorobiphenyl

1	6.268	6.268	0.000	63623	0.0200	0.0264	
2	5.701	5.701	0.000	69616	0.0200	0.0235	
						RPD = 11.71	

Reagents:

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:10:26

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_126.D

Injection Date: 08-Dec-2014 10:25:22

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: LCS 480-217607/2-A

Worklist Smp#: 18

Client ID:

Injection Vol: 1.0 ul

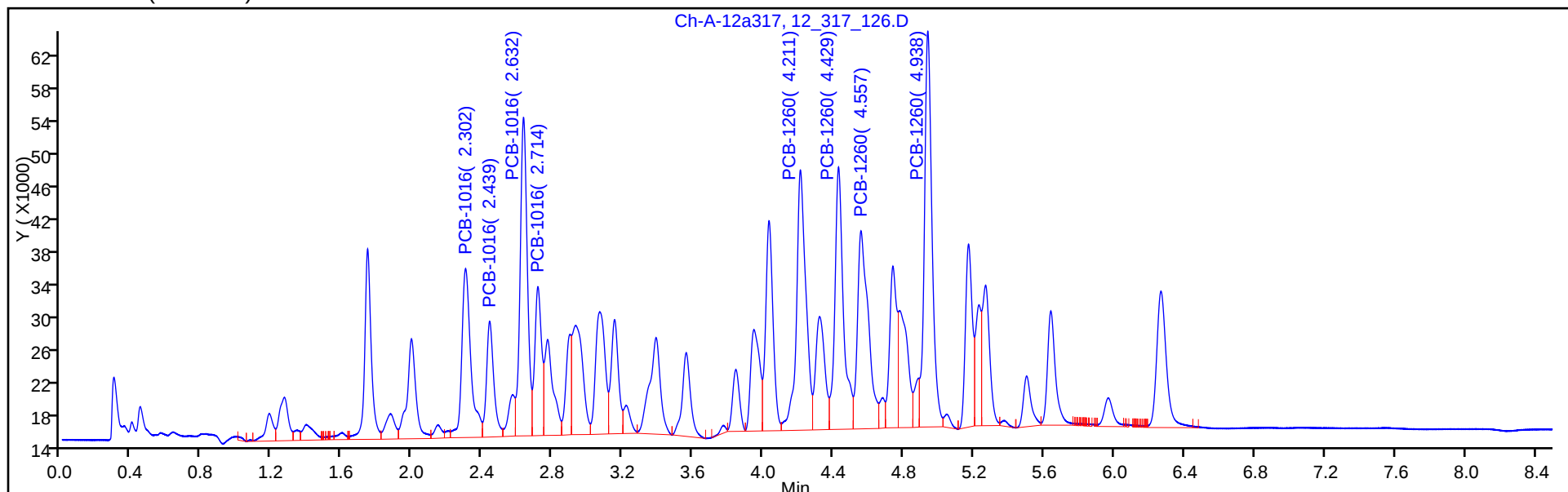
Dil. Factor: 1.0000

ALS Bottle#: 0

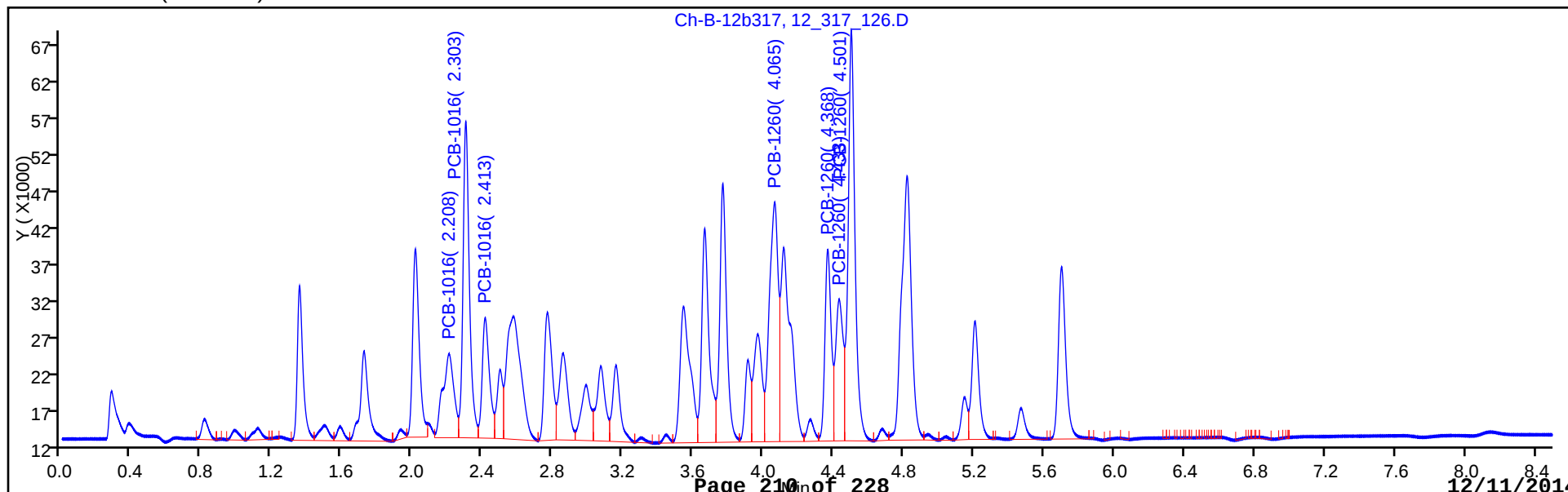
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 480-217607/3-A
Matrix: Wipe Lab File ID: 12_317_127.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:40
Con. Extract Vol.: 40 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: ZB-5 ID: 0.25 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		57-173
2051-24-3	DCB Decachlorobiphenyl	127		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_127.D
 Lims ID: LCSD 480-217607/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 08-Dec-2014 10:40:14 ALS Bottle#: 0 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:10:34 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:10:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.737	1.743	-0.006	55023	0.0200	0.0208
2	1.348	1.355	-0.007	46293	0.0200	0.0228

RPD = 9.11

6 PCB-1016

1	2.297	2.302	-0.005	67982	0.5000	0.5270
1	2.434	2.439	-0.005	38503	0.5000	0.5076
1	2.628	2.632	-0.004	108548	0.5000	0.5240
1	2.711	2.714	-0.003	47123	0.5000	0.5335

Average of Peak Amounts = 0.5230

2	2.201	2.208	-0.007	50689	0.5000	0.7616
2	2.298	2.303	-0.005	107556	0.5000	0.6285
2	2.408	2.413	-0.005	46458	0.5000	0.6072
2	2.765	2.768	-0.003	53047	0.5000	0.5914

Average of Peak Amounts = 0.6472

RPD = 21.22

9 PCB-1260

1	4.210	4.211	-0.001	118086	0.5000	0.5064
1	4.428	4.429	-0.001	108290	0.5000	0.4928
1	4.555	4.557	-0.002	102725	0.5000	0.6846
1	4.937	4.938	-0.001	144635	0.5000	0.6153

Average of Peak Amounts = 0.5748

2	4.064	4.065	-0.001	114870	0.5000	0.5488
2	4.367	4.368	-0.001	64922	0.5000	0.6884
2	4.433	4.433	0.000	57420	0.5000	0.7080
2	4.501	4.501	0.000	152647	0.5000	0.6694

Average of Peak Amounts = 0.6536

RPD = 12.84

\$ 12 DCB Decachlorobiphenyl

1	6.268	6.268	0.000	61264	0.0200	0.0254
2	5.700	5.701	-0.001	67693	0.0200	0.0228

Page 212 of 228
RPD = 10.74

12/11/2014

Reagents:

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:10:41

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_127.D

Injection Date: 08-Dec-2014 10:40:14

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: LCSD 480-217607/3-A

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

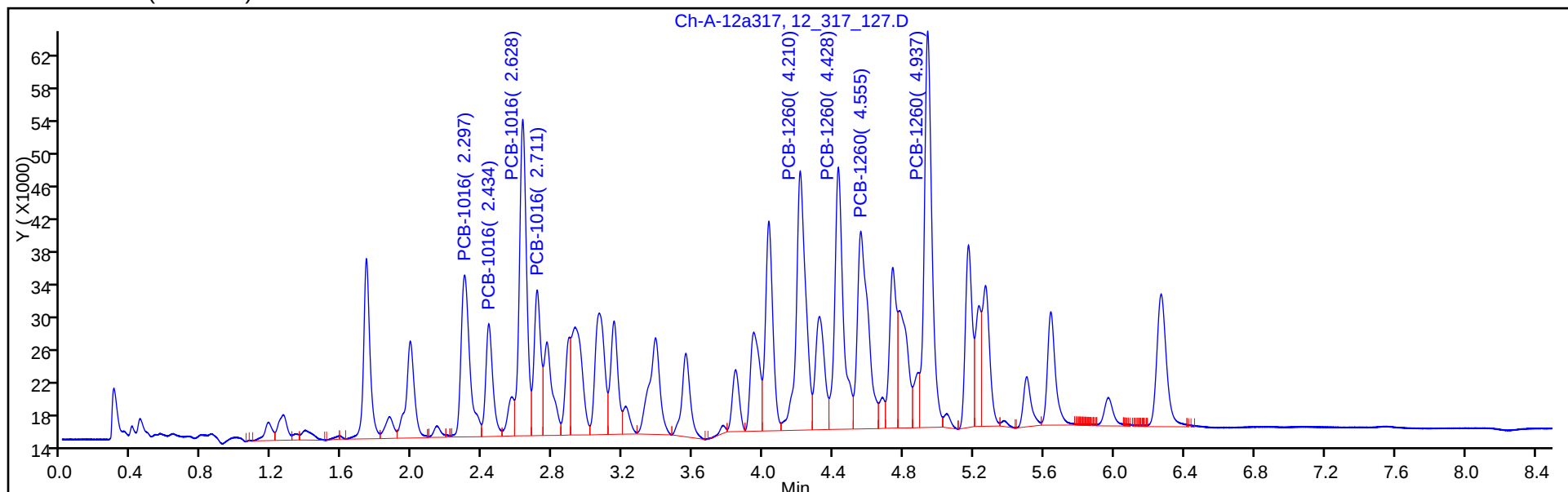
Dil. Factor: 1.0000

ALS Bottle#: 0

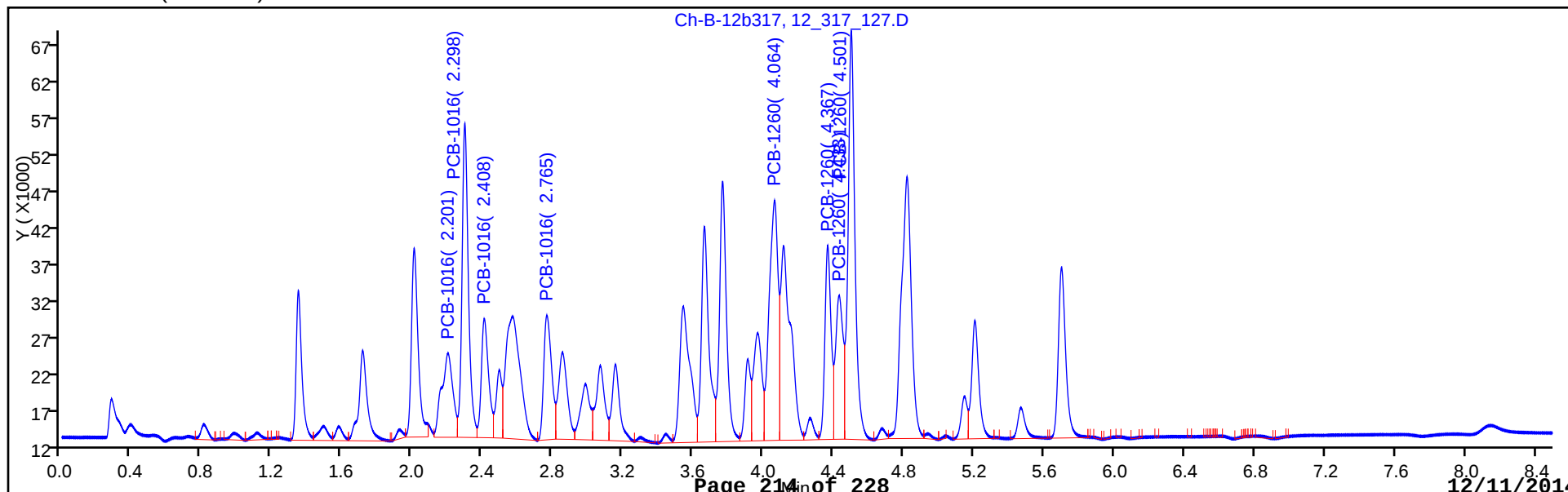
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 480-217607/3-A
 Matrix: Wipe Lab File ID: 12_317_127.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3550C Date Extracted: 12/05/2014 19:38
 Sample wt/vol: 1(Wipe) Date Analyzed: 12/08/2014 10:40
 Con. Extract Vol.: 40 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: ZB-35 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 217703 Units: ug/Wipe

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	25.9		1.0	0.18
11096-82-5	PCB-1260	26.1		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	114		57-173
2051-24-3	DCB Decachlorobiphenyl	114		59-171

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_127.D
 Lims ID: LCSD 480-217607/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 08-Dec-2014 10:40:14 ALS Bottle#: 0 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: buftchrom Instrument ID: HP5890-12
 Method: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\hp12_pcb.m
 Limit Group: GC - 8082A PCB ICAL
 Last Update: 08-Dec-2014 12:10:34 Calib Date: 03-Oct-2014 08:06:59
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5890-12\20141002-35967.b\12_309_108.D
 Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
 Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
 Process Host: XAWRK035

First Level Reviewer: eversd

Date: 08-Dec-2014 12:10:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
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\$ 3 Tetrachloro-m-xylene

1	1.737	1.743	-0.006	55023	0.0200	0.0208
2	1.348	1.355	-0.007	46293	0.0200	0.0228

RPD = 9.11

6 PCB-1016

1	2.297	2.302	-0.005	67982	0.5000	0.5270
1	2.434	2.439	-0.005	38503	0.5000	0.5076
1	2.628	2.632	-0.004	108548	0.5000	0.5240
1	2.711	2.714	-0.003	47123	0.5000	0.5335

Average of Peak Amounts = 0.5230

2	2.201	2.208	-0.007	50689	0.5000	0.7616
2	2.298	2.303	-0.005	107556	0.5000	0.6285
2	2.408	2.413	-0.005	46458	0.5000	0.6072
2	2.765	2.768	-0.003	53047	0.5000	0.5914

Average of Peak Amounts = 0.6472

RPD = 21.22

9 PCB-1260

1	4.210	4.211	-0.001	118086	0.5000	0.5064
1	4.428	4.429	-0.001	108290	0.5000	0.4928
1	4.555	4.557	-0.002	102725	0.5000	0.6846
1	4.937	4.938	-0.001	144635	0.5000	0.6153

Average of Peak Amounts = 0.5748

2	4.064	4.065	-0.001	114870	0.5000	0.5488
2	4.367	4.368	-0.001	64922	0.5000	0.6884
2	4.433	4.433	0.000	57420	0.5000	0.7080
2	4.501	4.501	0.000	152647	0.5000	0.6694

Average of Peak Amounts = 0.6536

RPD = 12.84

\$ 12 DCB Decachlorobiphenyl

1	6.268	6.268	0.000	61264	0.0200	0.0254
2	5.700	5.701	-0.001	67693	0.0200	0.0228

Page 216 of 228
RPD = 10.74

12/11/2014

Reagents:

COPPER_00049

Amount Added: 1.00

Units: mL

Run Reagent

Report Date: 08-Dec-2014 12:10:42

Chrom Revision: 2.2 06-Nov-2014 14:50:32

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20141206-38050.b\12_317_127.D

Injection Date: 08-Dec-2014 10:40:14

Instrument ID: HP5890-12

Operator ID: buftchrom

Lims ID: LCSD 480-217607/3-A

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

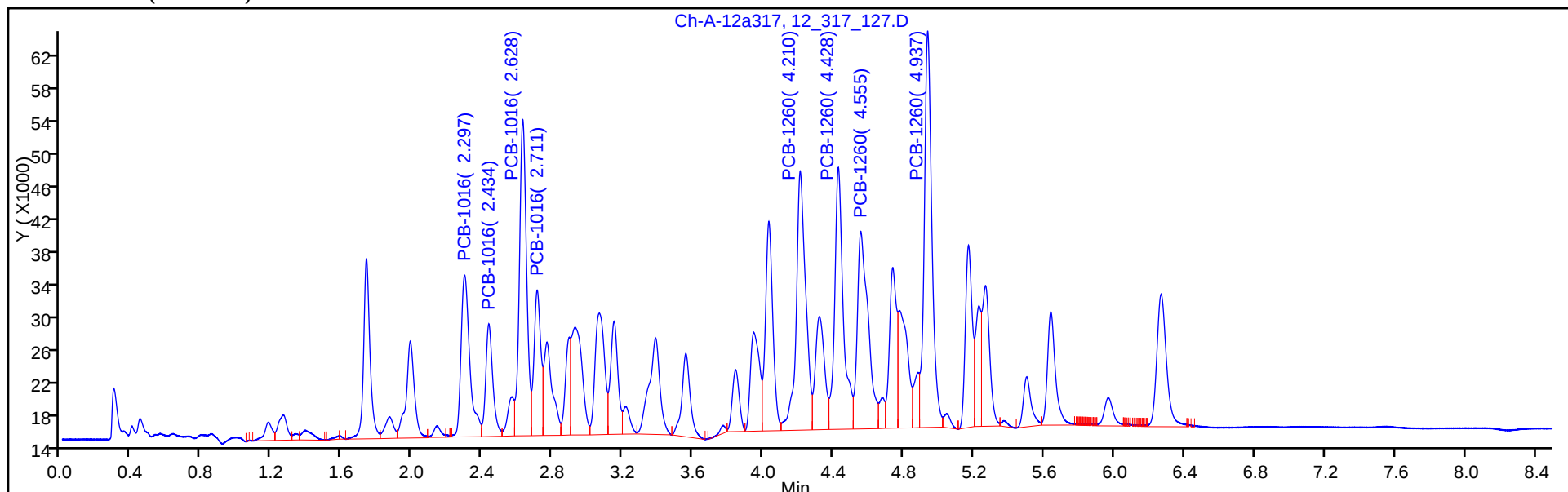
Dil. Factor: 1.0000

ALS Bottle#: 0

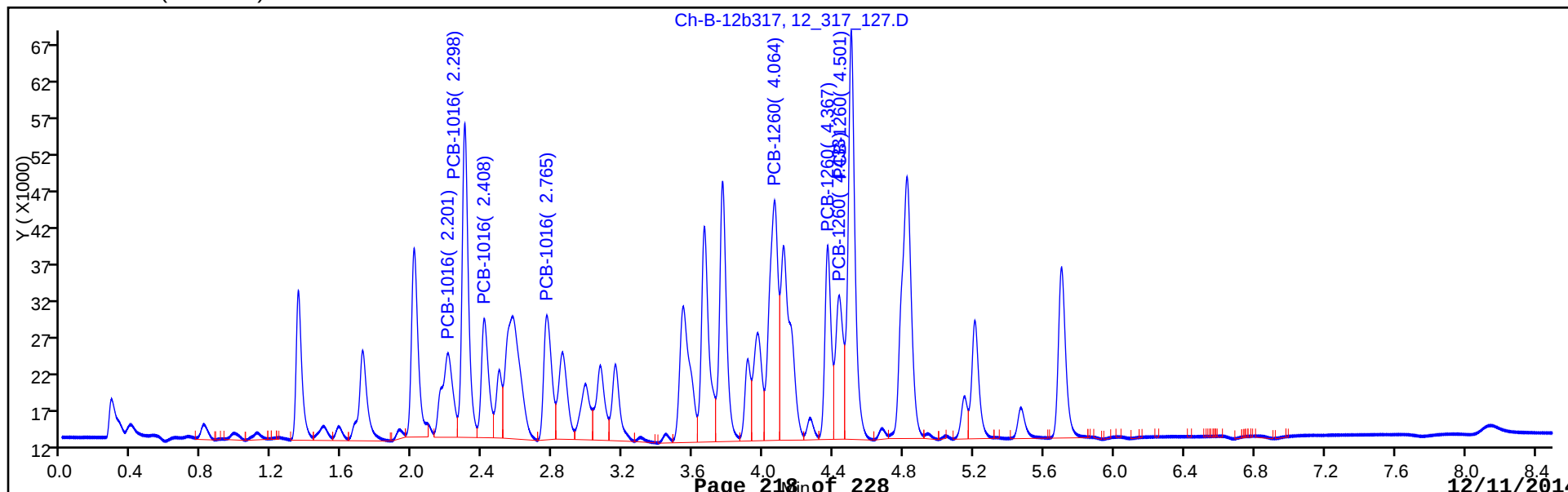
Method: hp12_pcb

Limit Group: GC - 8082A PCB ICAL

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-72548-1

SDG No.: _____

Instrument ID: HP5890-12Start Date: 10/02/2014 17:33Analysis Batch Number: 205708End Date: 10/03/2014 08:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD7 480-205708/1 IC		10/02/2014 17:33	1	12_309_079.D	ZB-5 0.25 (mm)
STD7 480-205708/1 IC		10/02/2014 17:33	1	12_309_079.D	ZB-35 0.53 (mm)
STD6 480-205708/2 IC		10/02/2014 17:48	1	12_309_080.D	ZB-5 0.25 (mm)
STD6 480-205708/2 IC		10/02/2014 17:48	1	12_309_080.D	ZB-35 0.53 (mm)
STD5 480-205708/3 IC		10/02/2014 18:03	1	12_309_081.D	ZB-5 0.25 (mm)
STD5 480-205708/3 IC		10/02/2014 18:03	1	12_309_081.D	ZB-35 0.53 (mm)
STD4 480-205708/4 IC		10/02/2014 18:18	1	12_309_082.D	ZB-5 0.25 (mm)
STD4 480-205708/4 IC		10/02/2014 18:18	1	12_309_082.D	ZB-35 0.53 (mm)
STD3 480-205708/5 IC		10/02/2014 18:33	1	12_309_083.D	ZB-5 0.25 (mm)
STD3 480-205708/5 IC		10/02/2014 18:33	1	12_309_083.D	ZB-35 0.53 (mm)
STD2 480-205708/6 IC		10/02/2014 18:48	1	12_309_084.D	ZB-5 0.25 (mm)
STD2 480-205708/6 IC		10/02/2014 18:48	1	12_309_084.D	ZB-35 0.53 (mm)
STD1 480-205708/7 IC		10/02/2014 19:02	1	12_309_085.D	ZB-5 0.25 (mm)
STD1 480-205708/7 IC		10/02/2014 19:02	1	12_309_085.D	ZB-35 0.53 (mm)
ICV 480-205708/8		10/02/2014 19:17	1		ZB-5 0.25 (mm)
ICV 480-205708/8		10/02/2014 19:17	1		ZB-35 0.53 (mm)
STD48 480-205708/15 IC		10/02/2014 21:01	1	12_309_093.D	ZB-5 0.25 (mm)
STD48 480-205708/15 IC		10/02/2014 21:01	1	12_309_093.D	ZB-35 0.53 (mm)
ICV 480-205708/16		10/02/2014 21:16	1		ZB-5 0.25 (mm)
ICV 480-205708/16		10/02/2014 21:16	1		ZB-35 0.53 (mm)
STD54 480-205708/17 IC		10/02/2014 21:31	1	12_309_095.D	ZB-5 0.25 (mm)
STD54 480-205708/17 IC		10/02/2014 21:31	1	12_309_095.D	ZB-35 0.53 (mm)
ICV 480-205708/18		10/02/2014 21:46	1		ZB-5 0.25 (mm)
ICV 480-205708/18		10/02/2014 21:46	1		ZB-35 0.53 (mm)
STD62 480-205708/19 IC		10/02/2014 22:01	1		ZB-5 0.25 (mm)
STD62 480-205708/19 IC		10/02/2014 22:01	1		ZB-35 0.53 (mm)
ICV 480-205708/20		10/02/2014 22:16	1		ZB-5 0.25 (mm)
ICV 480-205708/20		10/02/2014 22:16	1		ZB-35 0.53 (mm)
STD68 480-205708/21 IC		10/02/2014 22:30	1		ZB-5 0.25 (mm)
STD68 480-205708/21 IC		10/02/2014 22:30	1		ZB-35 0.53 (mm)
ICV 480-205708/22		10/02/2014 22:45	1		ZB-5 0.25 (mm)
ICV 480-205708/22		10/02/2014 22:45	1		ZB-35 0.53 (mm)
STD21 480-205708/26 IC		10/03/2014 07:07	1	12_309_104.D	ZB-5 0.25 (mm)
STD21 480-205708/26 IC		10/03/2014 07:07	1	12_309_104.D	ZB-35 0.53 (mm)
ICV 480-205708/27		10/03/2014 07:22	1		ZB-5 0.25 (mm)
ICV 480-205708/27		10/03/2014 07:22	1		ZB-35 0.53 (mm)
STD32 480-205708/28 IC		10/03/2014 07:37	1	12_309_106.D	ZB-5 0.25 (mm)
STD32 480-205708/28 IC		10/03/2014 07:37	1	12_309_106.D	ZB-35 0.53 (mm)
ICV 480-205708/29		10/03/2014 07:52	1		ZB-5 0.25 (mm)
ICV 480-205708/29		10/03/2014 07:52	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1

SDG No.: _____

Instrument ID: HP5890-12 Start Date: 10/02/2014 17:33Analysis Batch Number: 205708 End Date: 10/03/2014 08:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD42 480-205708/30 IC		10/03/2014 08:06	1	12_309_108.D	ZB-5 0.25 (mm)
STD42 480-205708/30 IC		10/03/2014 08:06	1	12_309_108.D	ZB-35 0.53 (mm)
ICV 480-205708/31		10/03/2014 08:21	1		ZB-5 0.25 (mm)
ICV 480-205708/31		10/03/2014 08:21	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-72548-1

SDG No.: _____

Instrument ID: HP5890-12Start Date: 12/08/2014 06:56Analysis Batch Number: 217703End Date: 12/09/2014 05:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-217703/4		12/08/2014 06:56	1		ZB-5 0.25 (mm)
CCV 480-217703/4		12/08/2014 06:56	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 07:26	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 07:26	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 07:41	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 07:41	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 07:56	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 07:56	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 08:11	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 08:11	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 08:25	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 08:25	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 08:40	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 08:40	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 08:55	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 08:55	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 09:10	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 09:10	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 09:25	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 09:25	1		ZB-35 0.53 (mm)
CCV 480-217703/15		12/08/2014 09:40	1	12_317_123.D	ZB-5 0.25 (mm)
CCV 480-217703/15		12/08/2014 09:40	1	12_317_123.D	ZB-35 0.53 (mm)
MB 480-217607/1-A		12/08/2014 10:10	1	12_317_125.D	ZB-5 0.25 (mm)
MB 480-217607/1-A		12/08/2014 10:10	1	12_317_125.D	ZB-35 0.53 (mm)
LCS 480-217607/2-A		12/08/2014 10:25	1	12_317_126.D	ZB-5 0.25 (mm)
LCS 480-217607/2-A		12/08/2014 10:25	1	12_317_126.D	ZB-35 0.53 (mm)
LCSD 480-217607/3-A		12/08/2014 10:40	1	12_317_127.D	ZB-5 0.25 (mm)
LCSD 480-217607/3-A		12/08/2014 10:40	1	12_317_127.D	ZB-35 0.53 (mm)
480-72548-1	AS-DECON-12-01	12/08/2014 10:55	1	12_317_128.D	ZB-5 0.25 (mm)
480-72548-1	AS-DECON-12-01	12/08/2014 10:55	1	12_317_128.D	ZB-35 0.53 (mm)
480-72548-2	AS-DECON-12-02	12/08/2014 11:10	1	12_317_129.D	ZB-5 0.25 (mm)
480-72548-2	AS-DECON-12-02	12/08/2014 11:10	1	12_317_129.D	ZB-35 0.53 (mm)
480-72548-3	AS-DECON-12-03	12/08/2014 11:25	1	12_317_130.D	ZB-5 0.25 (mm)
480-72548-3	AS-DECON-12-03	12/08/2014 11:25	1	12_317_130.D	ZB-35 0.53 (mm)
480-72548-4	AS-DECON-12-04	12/08/2014 11:40	1	12_317_131.D	ZB-5 0.25 (mm)
480-72548-4	AS-DECON-12-04	12/08/2014 11:40	1	12_317_131.D	ZB-35 0.53 (mm)
CCV 480-217703/24		12/08/2014 11:55	1	12_317_132.D	ZB-5 0.25 (mm)
CCV 480-217703/24		12/08/2014 11:55	1	12_317_132.D	ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 12:24	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 12:24	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 12:39	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 12:39	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 12:54	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 12:54	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 13:09	1		ZB-5 0.25 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-72548-1

SDG No.: _____

Instrument ID: HP5890-12Start Date: 12/08/2014 06:56Analysis Batch Number: 217703End Date: 12/09/2014 05:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/08/2014 13:09	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 13:24	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 13:24	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 13:38	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 13:38	1		ZB-35 0.53 (mm)
CCV 480-217703/32		12/08/2014 13:53	1		ZB-5 0.25 (mm)
CCV 480-217703/32		12/08/2014 13:53	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 14:23	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 14:23	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 14:38	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 14:38	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 14:53	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 14:53	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 15:07	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 15:07	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 15:22	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 15:22	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 15:37	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 15:37	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 15:52	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 15:52	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 16:07	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 16:07	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 16:22	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 16:22	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 16:37	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 16:37	1		ZB-35 0.53 (mm)
CCV 480-217703/44		12/08/2014 16:51	1		ZB-5 0.25 (mm)
CCV 480-217703/44		12/08/2014 16:51	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 17:21	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 17:21	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 17:36	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 17:36	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 17:51	5		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 17:51	5		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 18:06	5		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 18:06	5		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 18:21	5		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 18:21	5		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 18:36	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 18:36	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 18:51	10		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 18:51	10		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 19:05	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 19:05	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-72548-1

SDG No.: _____

Instrument ID: HP5890-12Start Date: 12/08/2014 06:56Analysis Batch Number: 217703End Date: 12/09/2014 05:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/08/2014 19:20	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 19:20	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 19:35	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 19:35	1		ZB-35 0.53 (mm)
CCV 480-217703/56		12/08/2014 19:50	1		ZB-5 0.25 (mm)
CCV 480-217703/56		12/08/2014 19:50	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 20:20	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 20:20	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 20:35	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 20:35	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 20:49	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 20:49	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 21:04	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 21:04	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 21:19	5		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 21:19	5		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 21:34	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 21:34	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 21:49	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 21:49	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 22:04	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 22:04	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 22:19	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 22:19	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 22:34	5		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 22:34	5		ZB-35 0.53 (mm)
CCV 480-217703/68		12/08/2014 22:49	1		ZB-5 0.25 (mm)
CCV 480-217703/68		12/08/2014 22:49	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 23:18	5		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 23:18	5		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 23:33	1		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 23:33	1		ZB-35 0.53 (mm)
ZZZZZ		12/08/2014 23:48	5		ZB-5 0.25 (mm)
ZZZZZ		12/08/2014 23:48	5		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 00:03	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 00:03	1		ZB-35 0.53 (mm)
CCV 480-217703/74		12/09/2014 00:18	1		ZB-5 0.25 (mm)
CCV 480-217703/74		12/09/2014 00:18	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 00:48	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 00:48	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 01:03	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 01:03	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 01:18	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 01:18	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 01:33	1		ZB-5 0.25 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1

SDG No.: _____

Instrument ID: HP5890-12 Start Date: 12/08/2014 06:56Analysis Batch Number: 217703 End Date: 12/09/2014 05:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/09/2014 01:33	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 01:47	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 01:47	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 02:02	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 02:02	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 02:17	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 02:17	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 02:32	5		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 02:32	5		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 02:47	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 02:47	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 03:02	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 03:02	1		ZB-35 0.53 (mm)
CCV 480-217703/86		12/09/2014 03:17	1		ZB-5 0.25 (mm)
CCV 480-217703/86		12/09/2014 03:17	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 03:46	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 03:46	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 04:01	5		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 04:01	5		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 04:16	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 04:16	1		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 04:31	5		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 04:31	5		ZB-35 0.53 (mm)
ZZZZZ		12/09/2014 04:46	1		ZB-5 0.25 (mm)
ZZZZZ		12/09/2014 04:46	1		ZB-35 0.53 (mm)
CCV 480-217703/93		12/09/2014 05:01	1		ZB-5 0.25 (mm)
CCV 480-217703/93		12/09/2014 05:01	1		ZB-35 0.53 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-72548-1

SDG No.: _____

Batch Number: 217607 Batch Start Date: 12/05/14 19:38 Batch Analyst: Hartigan, Connor PBatch Method: 3550C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	O_8082WipeSur 00019	O_8082Wspike 00023	
MB 480-217607/1		3550C, 8082A		CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
LCS 480-217607/2		3550C, 8082A		CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL	1 mL	
LCSD 480-217607/3		3550C, 8082A		CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL	1 mL	
480-72548-A-1	AS-DECON-12-01	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-72548-A-2	AS-DECON-12-02	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-72548-A-3	AS-DECON-12-03	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		
480-72548-A-4	AS-DECON-12-04	3550C, 8082A	T	CALC NOT SET TO RUN	1 Wipe	40 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric; 0000080085
Balance ID	40029
Blank Soil Lot Number	27864007
Analyst performed Clean Up	CH 12/5/14
Na2SO4 Lot Number	27864007
Nominal Amount Used	1 Wipe
Prep Solvent Lot #	0000087629
Prep Solvent Name	Hexane
Prep Solvent Volume Used	40 mL
Person's name who witnessed reagent drop	CH
Perform Calculation (0=No, 1=Yes)	0
Vendor of Reagent used	Hexane

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

[illegible]

Login Sample Receipt Checklist

Client: Horizon Environmental Services

Job Number: 480-72548-1

Login Number: 72548

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
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.	False	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	17.0C
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.	False	From Bottles 12-4-14 @ 1430
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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Horizon
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	