



**New York State Department of
Environmental Conservation**

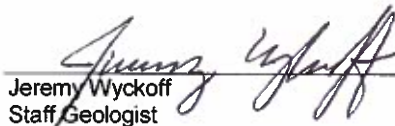
**Columbia Mills Site 2012 Annual
Groundwater Monitoring Report**

NYSDEC Site Number 7-38-012

January 2013



Bruce Nelson, CPG
Associate Vice President



Jeremy Wyckoff
Staff Geologist

**Columbia Mills Site 2012
Annual Groundwater
Monitoring Report**

NYSDEC Site Number 7-38-012

Prepared for:
New York State Department of
Environmental Conservation

Prepared by:
ARCADIS U.S., Inc.
855 Route 146
Suite 210
Clifton Park
New York 12065
Tel 518 250 7300
Fax 518 250 7301

Our Ref.:
00266363.0000

Date:
January 2013

This document is intended only for the use of the individual or entity for which it was prepared and may contain information that is privileged, confidential and exempt from disclosure under applicable law. Any dissemination, distribution or copying of this document is strictly prohibited.

1. Introduction	1
2. Site Description	2
3. Operation and Maintenance	3
3.1 O&M Observations	3
3.2 Leachate Collection System Operation Overview	3
3.3 Leachate Collection System Sampling	4
3.3.1 Sampling Procedures	4
3.3.2 Sampling Results	4
4. Groundwater Monitoring Program	5
4.1 Groundwater Monitoring	5
4.2 Well Inspection	5
4.2.1 Groundwater Flow	5
4.3 Groundwater Sampling	6
4.3.1 Groundwater Sampling Results	6
5. Recommendations	7
6. Summary	8
7. References	9

Tables

Table 3-1	Summary of Leachate Collection System Sampling Results – PCBs
Table 4-1	Summary of Groundwater Elevations
Table 4-2	Summary of Groundwater Sampling Results - PCBs

Figures

Figure 2-1	Site Location
Figure 3-1	Leachate Collection System Schematic
Figure 3-2	Process Flow Diagram
Figure 4-1	Groundwater Monitoring Well Locations
Figure 4-2	Shallow Potentiometric Surface
Figure 4-3	Deep Potentiometric Surface

Appendices

A	Analytical Reporting Forms
B	Well Inspection Logs
C	Groundwater Level Data Form
D	Groundwater Sampling Purge Logs

1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D007618-10) to ARCADIS/Malcolm Pirnie, Inc. (Malcolm Pirnie) for Operation, Maintenance, and Monitoring at the Columbia Mills Site (NYSDEC Site Number 7-38-012) in New York State. Malcolm Pirnie, Inc. has prepared this Quarterly Report and Annual Groundwater Monitoring Summary in accordance with the NYSDEC-approved Work Plan to summarize site activities, including third quarter 2012 groundwater sampling results.

2. Site Description

The Columbia Mills site is located on Route 48, Minetto, Oswego County, New York (Figure 2-1), across Route 48 from the western bank of the Oswego Canal. A capped, closed landfill is located in the western portion of the site. The landfill is surrounded by a six-foot chain-link fence. Groundwater quality in the vicinity of the landfill is monitored by sampling of eight groundwater monitoring wells.

3. Operation and Maintenance

Operation and Maintenance (O&M) activities were conducted on July 25, 2012 in accordance with the Work Plan, the recommendations in the draft 2009 Periodic Review Report (Malcolm Pirnie, 2009), and in consultation with NYSDEC.

3.1 O&M Observations

The following observations were noted during the July 2012 inspection:

- The landfill cap was mowed.
- No woody vegetation was observed on the cover system.
- No problems were noted with the condition of the perimeter fence or with the security of the landfill.

3.2 Leachate Collection System Operation Overview

A schematic of the leachate collection system is provided in Figure 3-1. Figure 3-2 provides a process flow diagram of the leachate collection system based on the 2008 and 2009 site visits and observations and review of site documents and construction plans. As shown in Figure 3-2, a combination pore-pressure relief system (PPRS)/leachate collection system is located along the perimeter of the landfill cell. The system directs leachate by gravity to a 10,000 gallon sub-surface leachate collection tank, the Town of Minetto sanitary sewer, or the amphibian breeding pond (ABP) (via the combination sampling sump). A valve located at the inlet to the collection tank controls flow into the tank. Valves located upgradient of the leachate collection tank can direct flow to the Town of Minetto sanitary sewer or ABP. Currently, at the direction of the NYSDEC, leachate is being directed to Town of Minetto sanitary sewer.

As shown in Figure 3-1 and 3-2, groundwater from separate PPRSs (north and south of the landfill cell, respectively) discharges into a pre-cast concrete combination sampling sump located on the west side of the landfill. Valves within the sampling sump control groundwater flow into the sump and through the PPRSs. The valves can be closed if sampling indicates the presence of contamination in groundwater from the PPRS collection lines.

3.3 Leachate Collection System Sampling

Based on the recommendations in the draft PRR and in consultation with NYSDEC, leachate collection system samples were collected from the north and south PPRS and leachate inlet pipes in the combination sampling sump (Figure 3-1) to evaluate the potential presence of poly-chlorinated biphenyl (PCBs) discharged to the Town of Minetto sanitary sewer. However, due to no flow from the north PPRS during the July 2012 sampling event, no sample was collected at this location.

3.3.1 Sampling Procedures

Leachate flow was temporarily diverted from the Town of Minetto sanitary sewer to the combination sampling sump. Leachate collection system samples were then collected from each inlet pipe to the combination sampling sump structure (leachate, and south PPRS) (Figure 3-1) using a swing-type dipper sampling device. Water collected from each pipe was transferred from the dipper sampler collection container directly into the appropriate sampling container. Leachate flow was restored to the Town of Minetto sanitary sewer after sampling was complete.

Samples from the combination sampling sump were submitted to TestAmerica in Amherst, New York for analysis of PCBs by USEPA Method 8082.

3.3.2 Sampling Results

Leachate collection system sampling results are summarized in Table 3-1 (PCBs). Analytical reporting forms are provided in Appendix A.

As shown in Table 3-1, none of the samples collected from the leachate collection system contained PCBs at concentrations greater than the indicated laboratory quantitation limits.

4. Groundwater Monitoring Program

4.1 Groundwater Monitoring

Groundwater monitoring wells were sampled on July 25, 2012 to provide information on groundwater quality, monitor contaminant migration in the groundwater at the site, and assess hydrogeologic site conditions, including groundwater flow.

4.2 Well Inspection

Existing on-site groundwater monitoring wells and piezometers (Figure 4-1) were evaluated for integrity and suitability for groundwater monitoring and water levels. The condition of each well and piezometer was recorded on well inspection logs (Appendix B). As shown in Appendix B the integrity of the groundwater monitoring wells and piezometers were acceptable and no repair or maintenance is required at this time.

4.2.1 Groundwater Flow

Prior to collecting samples, groundwater levels were measured to the nearest hundredth of a foot and recorded on a groundwater level data form (Appendix C). Table 4-1 summarizes the groundwater levels and elevations from the site. As shown in Table 4-1, groundwater elevations in shallow overburden and bedrock wells ranged from approximately 310 feet above mean sea level (amsl) to approximately 324 feet amsl; groundwater elevations in deep bedrock wells ranged from approximately 300-feet amsl to approximately 323 feet amsl. As shown in Table 4-1, well clusters MW-1S/1D and 4S/4D had higher groundwater elevations in the deep groundwater monitoring zone compared to the shallow groundwater monitoring zone, indicating an upward hydraulic gradient at these locations. Table 4-1 shows that well clusters MW-2S/2D and MW-3S/3D had downward hydraulic gradient. As shown in Table 4-1, the average shallow groundwater elevations measured in 2012 are approximately one foot lower than in 2011. The average deep groundwater elevations measured in 2012 are approximately two feet lower than in 2011.

Shallow and deep potentiometric surfaces map are provided on Figure 4-2 and Figure 4-3, respectfully. As shown on Figure 4-2 and Figure 4-3, the direction of groundwater flow in the vicinity of the site is generally to the northeast toward the ABP and the Oswego Canal.

4.3 Groundwater Sampling

Groundwater samples from monitoring wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, and MW-4D were collected using low-flow groundwater purging and sampling procedures in accordance with the Work Plan. One sample (MW-X) was collected from MW-4D and submitted as a field duplicate. Prior to collecting groundwater samples, pH, conductivity, turbidity, dissolved oxygen (DO), temperature, salinity, total dissolved solids (TDS), and oxidation-reduction potential (REDOX) were measured using a Horiba U-22 water quality meter and recorded on groundwater sampling purge logs. Groundwater sampling purge logs are presented in Appendix D. Groundwater samples were submitted to TestAmerica for analysis of PCBs by USEPA Method 8082.

4.3.1 Groundwater Sampling Results

Table 4-2 shows that no PCBs were detected in any of the groundwater samples collected during the July 2012 sampling event. As shown in Table 4-2, only one groundwater sample (MW-3S) collected in 2007 contained a total PCB concentration greater than the respective NYSDEC Class GA Standard of 0.09 ug/L.

5. Recommendations

Annual O&M should continue to be conducted as described in the Work Plan and as recommended in the draft PRR.

6. Summary

Operation and Maintenance activities conducted in July 2012 indicated no significant problems with the condition or security of the landfill.

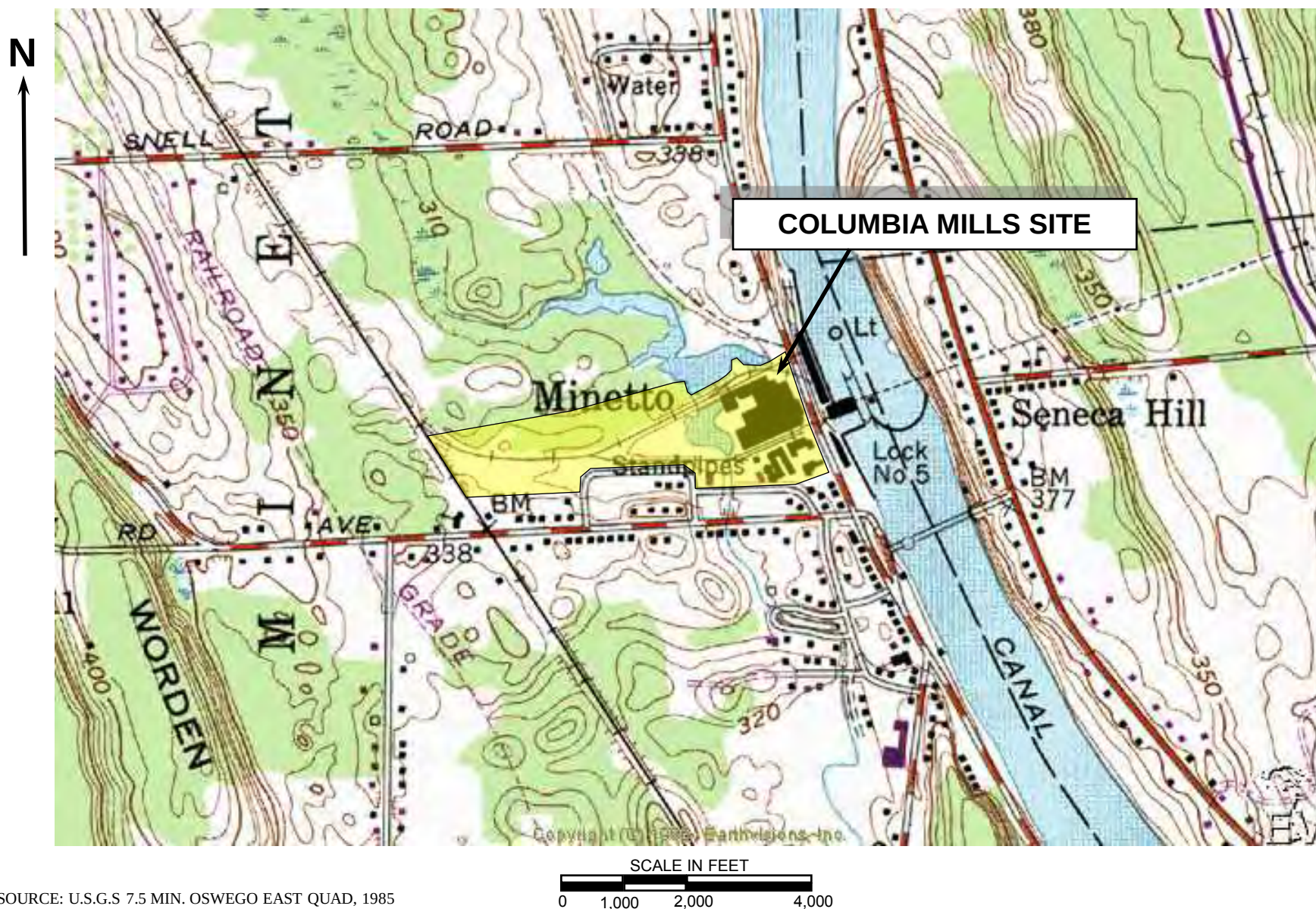
Leachate and PPRS samples did not contain detectable concentrations of PCBs. The groundwater monitoring wells and piezometers are generally in acceptable condition. Based on the water level survey, groundwater flow across the site is generally toward the northeast. No PCBs were detected in any of the groundwater samples collected during the July 2012 monitoring event.

Annual O&M should continue to be conducted as described in the Work Plan and as recommended in the draft PRR.

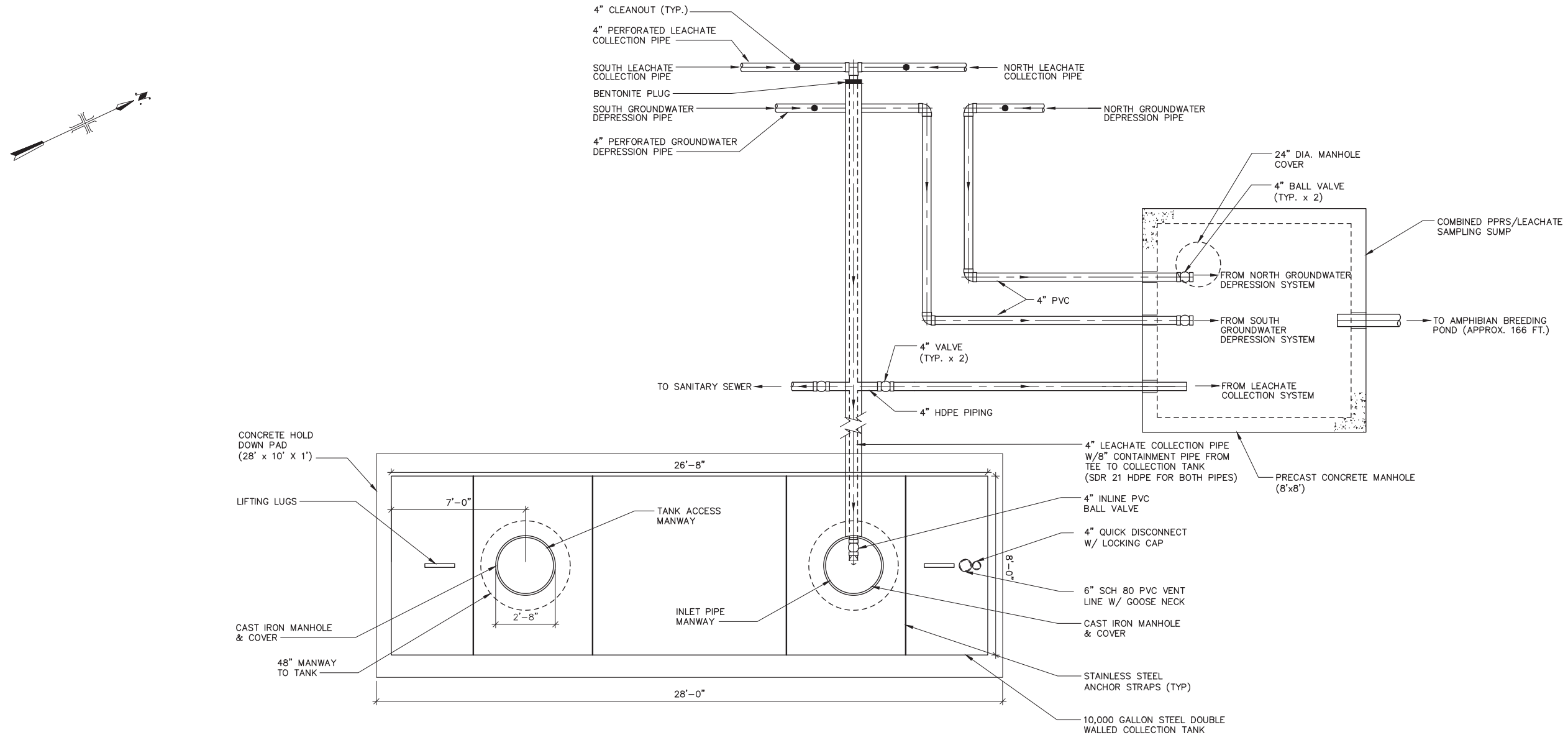
7. References

Malcolm Pirnie, 2009, Draft Periodic Review Report, Columbia Mills Site, Site Number 7-38-012.

Malcolm Pirnie, 2009, Columbia Mills Site, 2009 Annual Groundwater Monitoring Report, Site Number 7-38-012.



XREFS: \\ACAD\\STANDARD-ARCADIS\\Logos\\ARCADIS-LOGO-ENG-COLOR.dwg IMAGES: None
User: Lewandowski Spec: PIRNIE STANDARD File: \\ACAD\\PROJ\\0266\\363\\Figures\\FIGURE 2-2 2009 REPORT.DWG Scale: 1:1 Date: 09/23/2011 Time: 13:28 Layout: Layout1



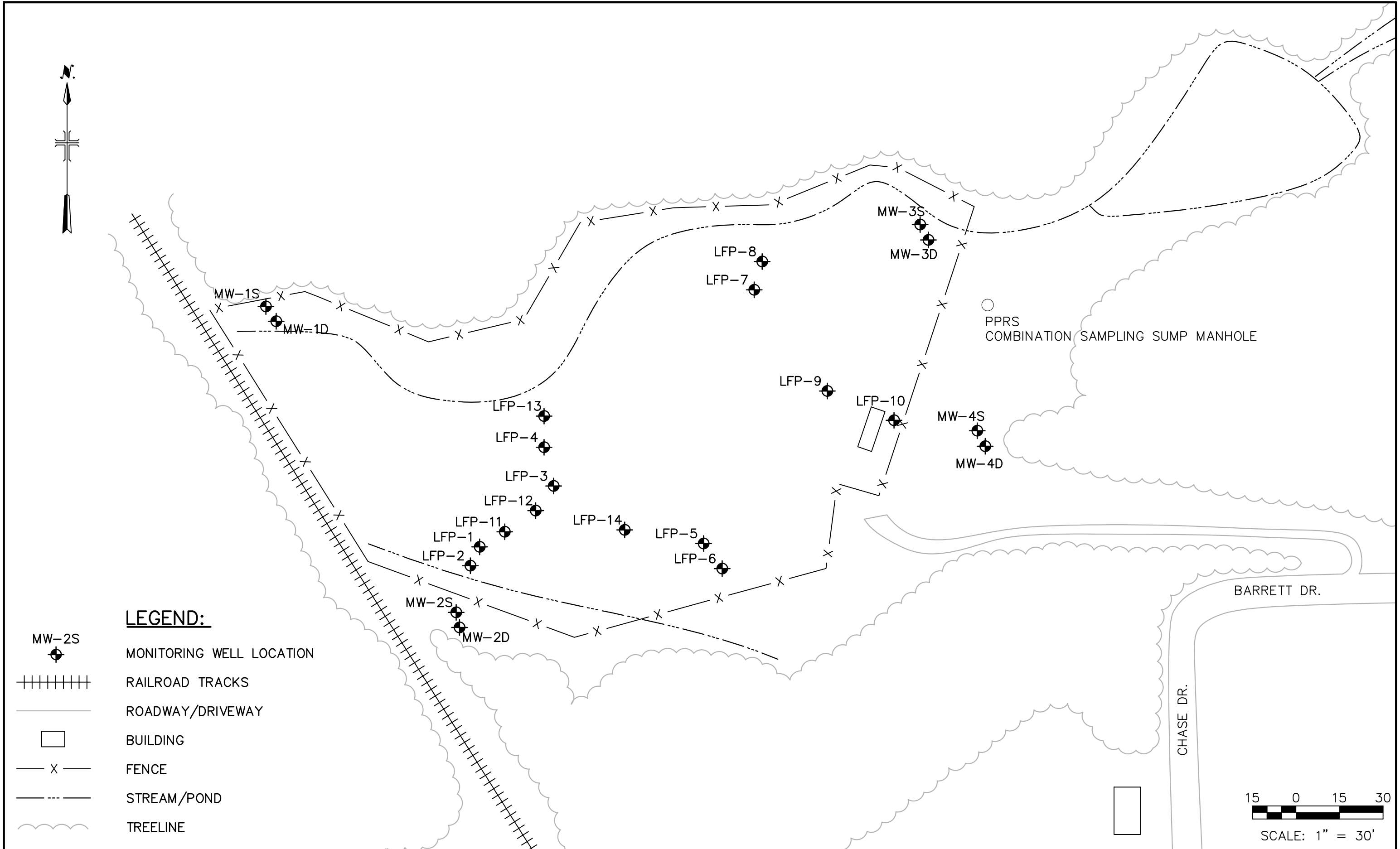
LEACHATE COLLECTION
TANK PIPING
PLAN VIEW

SCALE: 3/16" = 1'-0"

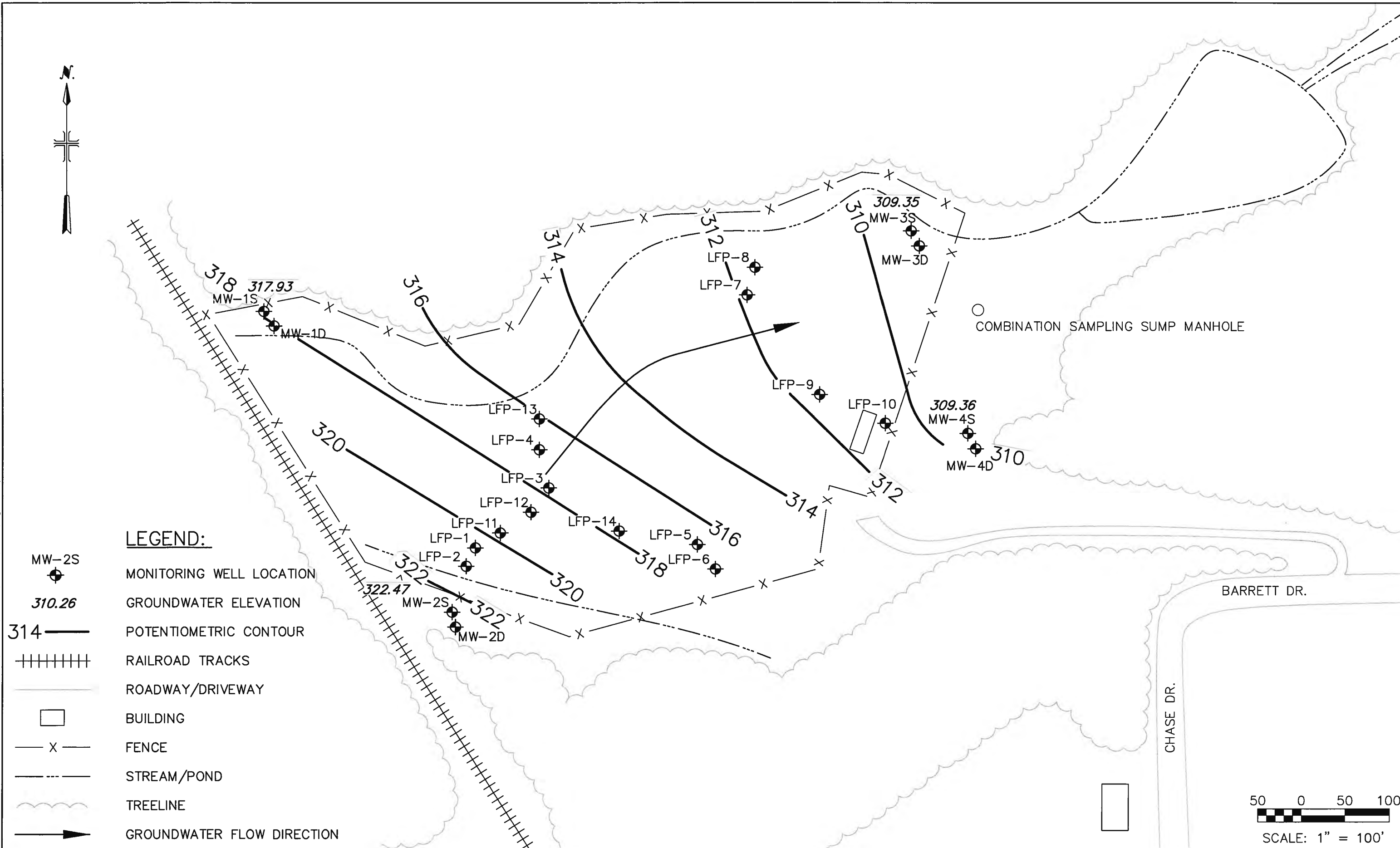
SOURCE: MALCOLM PIRNIE REMEDIAL LANDFILL DESIGN DRAWINGS (MARCH 1995) AND 2009 MALCOM PIRNIE DYE TESTING AT THE SITE.



XREFS: I: \ACAD\STANDARD-ARCADIS\Logos\ARCADIS-LOGO-ENG-COLOR.dwg I: \ACAD\PROJ\0266\363\X-REFS\Basemap.dwg IMAGES: None
User: Lewandowski Spec: PIRNIE STANDARD File: I: \ACAD\PROJ\0266\363\Figures\FIGURE 4-1.DWG Scale: 1:1 Date: 09/08/2011 Time: 11:08 Layout: Layout1



XREFS: G:\ACAD\PROJ\0266\363\X-REFS\Basemap.dwg IMAGES: None
User: Hausmann Spec: PIRNIE STANDARD File: G:\ACAD\PROJ\0266\363\Figures\FIG4-2_7-25-12_SHALLOW.DWG Scale: 1:1 Date: 10/11/2012 Time: 11:49 Layout: Blank



NYSDEC STANDBY CONTRACT NO. D00443-7
NYSDEC SITE NO. 7-38-012
COLUMBIA MILLS SITE
MINETTO, NEW YORK

SHALLOW POTENTIOMETRIC SURFACE (7/25/12)

SCALE: AS SHOWN

OCTOBER 2012
FIGURE 4-2

XREFS: G:\ACAD\PROJ\0266\363\X-REFS\Basemap.dwg IMAGES: None
User: Hausmann Spec: PIRNIE STANDARD File: G:\ACAD\PROJ\0266\363\Figures\FIG4-3-7-25-12-DEEP.DWG Scale: 1:1 Date: 10/11/2012 Time: 11:19 Layout: Blank

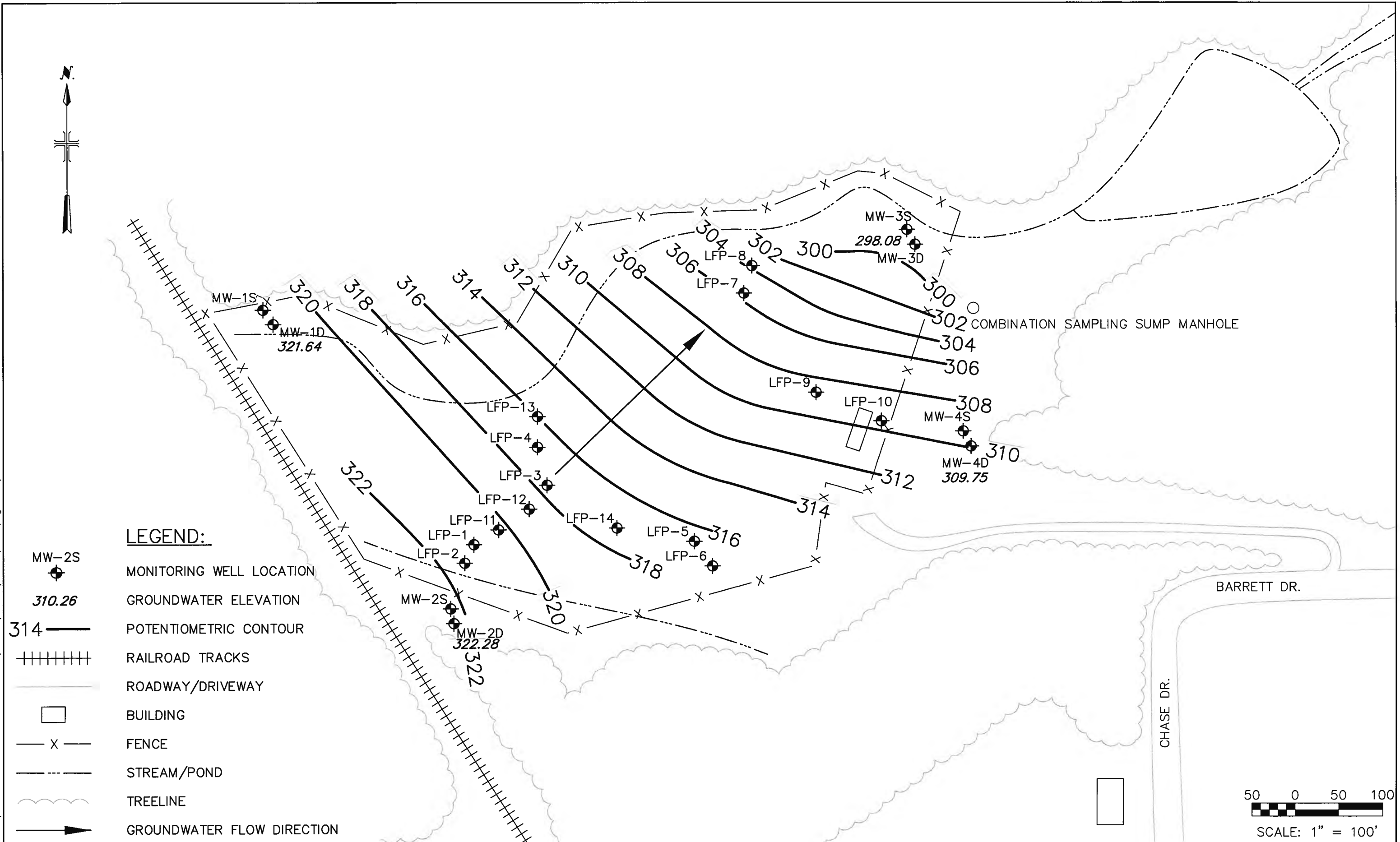


Table 3-1
Summary of Leachate Collection System Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class AA/GA Standard	Leachate 6/19/2009 ug/L	Leachate 3/25/2010 ug/L	Leachate 6/22/2011 ug/L	Leachate 7/30/2012 ug/L
Analyte					
PCB-1016	-	0.53 U	0.53 U	0.5 U	0.47 U
PCB-1221	-	0.53 U	0.53 U	0.5 U	0.47 U
PCB-1232	-	0.53 U	0.53 U	0.5 U	0.47 U
PCB-1242	-	0.53 U	0.53 U	0.5 U	0.47 U
PCB-1248	-	0.53 U	0.53 U	0.5 U	0.47 U
PCB-1254	-	0.53 U	0.53 U	0.5 U	0.47 U
PCB-1260	-	0.53 U	0.53 U	0.5 U	0.47 U
Total PCBs	0.09	-	-	-	-

Notes:
 U - Analyte not detected

Table 3-1
Summary of Leachate Collection System Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class AA/GA Standard	North PPRS 6/19/2009 ug/L	North PPRS 3/25/2010 ug/L	North PPRS 6/22/2011 ug/L
Analyte				
PCB-1016	-	0.5 U	0.5 U	0.5 U
PCB-1221	-	0.5 U	0.5 U	0.5 U
PCB-1232	-	0.5 U	0.5 U	0.5 U
PCB-1242	-	0.5 U	0.5 U	0.5 U
PCB-1248	-	0.5 U	0.5 U	0.5 U
PCB-1254	-	0.5 U	0.5 U	0.5 U
PCB-1260	-	0.5 U	0.5 U	0.5 U
Total PCBs	0.09	-	-	-

Notes:
 U - Analyte not detected

Table 3-1
Summary of Leachate Collection System Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class AA/GA Standard	South PPRS 6/19/2009 ug/L	South PPRS 3/25/2010 ug/L	South PPRS 6/22/2011 ug/L	South PPRS 7/30/2012 ug/L
Analyte					
PCB-1016	-	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1221	-	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1232	-	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1242	-	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1248	-	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1254	-	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1260	-	0.5 U	0.5 U	0.5 U	0.49 U
Total PCBs	0.09	-	-	-	-

Notes:
 U - Analyte not detected

Table 4-1
Summary of Groundwater Elevations
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Well	Measuring Point Elevation ⁽¹⁾ (feet)	8/6/2007		10/1/2008		6/17/2009		3/24/2010		6/22/2011		7/25/2012	
		DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)
MW-1S	324.85	6.94	317.91	4.91	319.94	4.81	320.04	2.98	321.87	5.20	319.65	6.92	317.93
MW-1D	325.14	3.70	321.44	1.96	323.18	1.80	323.34	0.67	324.47	2.23	322.91	3.50	321.64
MW-2S	335.93	13.90	322.03	13.22	322.71	11.66	324.27	9.43	326.50	12.10	323.83	13.46	322.47
MW-2D	335.90	13.95	321.95	13.39	322.51	11.77	324.13	9.19	326.71	11.80	324.10	13.62	322.28
MW-3S	316.02	6.42	309.60	5.71	310.31	5.76	310.26	5.94	310.08	5.48	310.54	6.67	309.35
MW-3D	315.79	8.23	307.56	16.52	299.27	22.03	293.76	20.78	295.01	16.21	299.58	17.71	298.08
MW-4S	321.63	12.20	309.43	12.21	309.42	11.70	309.93	8.41	313.22	11.69	309.94	12.27	309.36
MW-4D	321.26	11.44	309.82	11.29	309.97	11.13	310.13	10.17	311.09	11.12	310.14	11.51	309.75
LFP-1	NA	19.15	-	18.74	-	18.36	-	18.00	-	18.30	-	18.91	-
LFP-2	NA	16.40	-	16.45	-	NM	-	13.12	-	Dry	-	16.00	-
LFP-3	NA	14.75	-	14.20	-	14.18	-	13.85	-	14.20	-	14.59	-
LFP-4	NA	13.57	-	13.40	-	13.24	-	13.28	-	13.25	-	13.33	-
LFP-5	NA	17.30	-	17.32	-	17.26	-	16.61	-	16.92	-	17.15	-
LFP-6	NA	14.50	-	14.19	-	13.44	-	12.40	-	13.40	-	14.15	-
LFP-7	NA	NM	-	Dry	-	NM	-	Dry	-	Dry	-	Dry	-
LFP-8	NA	13.92	-	13.54	-	13.21	-	12.39	-	13.30	-	13.74	-
LFP-9	NA	18.20	-	18.00	-	17.93	-	17.79	-	17.85	-	18.13	-
LFP-10	NA	15.18	-	14.90	-	14.90	-	14.81	-	14.89	-	15.18	-
LFP-11	NA	23.77	-	23.18	-	22.89	-	22.41	-	22.85	-	23.55	-
LFP-12	NA	NM	-	Dry	-	Dry	-	Dry	-	Dry	-	Dry	-
LFP-13	NA	Dry	-	6.33	-	6.50	-	5.48	-	6.60	-	7.48	-
LFP-14	NA	26.37	-	26.00	-	25.83	-	25.49	-	25.80	-	26.23	-

Notes

(1) - Source: Malcolm Pirnie Inc. Project Number 0266319

Table 2-2, Monitoring Well and Piezometer Construction Summary

NA - Not Available

NM - Not Measured

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-1S 8/7/2007 ug/L	MW-1S 10/1/2008 ug/L	MW-1S 6/18/2009 ug/L	MW-1S 3/24/2010 ug/L	MW-1S 6/22/2011 ug/L	MW-1S 7/29/2012 ug/L
Analyte							
PCB-1016	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U	0.49 U
PCB-1221	-	1.1 U	1.1 U	0.52 U	0.53 U	0.5 U	0.49 U
PCB-1232	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U	0.49 U
PCB-1242	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U	0.49 U
PCB-1248	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U	0.49 U
PCB-1254	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U	0.49 U
PCB-1260	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U	0.49 U
Total PCBs	0.09	-	-	-	-	-	-

Notes:

 - Concentration exceeds corresponding
NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-1D 8/7/2007 ug/L	MW-1D 10/1/2008 ug/L	MW-1D 6/18/2009 ug/L	MW-1D 3/24/2010 ug/L	MW-1D 6/22/2011 ug/L	MW-1D 7/29/2012 ug/L
Analyte							
PCB-1016	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1221	-	1.1 U	1.0 U	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1232	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1242	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1248	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1254	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U	0.49 U
PCB-1260	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U	0.49 U
Total PCBs	0.09	-	-	-	-	-	-

Notes:

 - Concentration exceeds corresponding
NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-2S 8/7/2007 ug/L	MW-2S 10/2/2008 ug/L	MW-2S 6/18/2009 ug/L	MW-2S 3/24/2010 ug/L	MW-2S 6/22/2011 ug/L	MW-2S 7/29/2012 ug/L
Analyte							
PCB-1016	-	0.56 U	0.54 U	0.5 U	NS	0.5 U	0.47 U
PCB-1221	-	1.1 U	1.1 U	0.5 U	NS	0.5 U	0.47 U
PCB-1232	-	0.56 U	0.54 U	0.5 U	NS	0.5 U	0.47 U
PCB-1242	-	0.56 U	0.54 U	0.5 U	NS	0.5 U	0.47 U
PCB-1248	-	0.56 U	0.54 U	0.5 U	NS	0.5 U	0.47 U
PCB-1254	-	0.56 U	0.54 U	0.5 U	NS	0.5 U	0.47 U
PCB-1260	-	0.56 U	0.54 U	0.5 U	NS	0.5 U	0.47 U
Total PCBs	0.09	-	-	-	-	-	-

Notes:

 - Concentration exceeds corresponding
NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-2D 8/7/2007 ug/L	MW-2D 10/1/2008 ug/L	MW-2D 6/18/2009 ug/L	MW-2D 3/24/2010 ug/L	MW-2D 6/25/2011 ug/L	MW-2D 7/29/2012 ug/L
Analyte							
PCB-1016	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U	0.47 U
PCB-1221	-	1.1 U	1.1 U	0.5 U	0.53 U	0.5 U	0.47 U
PCB-1232	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U	0.47 U
PCB-1242	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U	0.47 U
PCB-1248	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U	0.47 U
PCB-1254	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U	0.47 U
PCB-1260	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U	0.47 U
Total PCBs	0.09	-	-	-	-	-	-

Notes:

 - Concentration exceeds corresponding
NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-3S 8/8/2007 ug/L	MW-3S 10/2/2008 ug/L	MW-3S 6/19/2009 ug/L	MW-3S 3/25/2010 ug/L	MW-3S 6/23/2011 ug/L	MW-3S 8/1/2012 ug/L
Analyte							
PCB-1016	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U	0.91 U
PCB-1221	-	1.0 U	1.1 U	0.5 U	0.5 U	0.63 U	0.91 U
PCB-1232	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U	0.91 U
PCB-1242	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U	0.91 U
PCB-1248	-	0.40 J M	0.53 U	0.5 U	0.5 U	0.63 U	0.91 U
PCB-1254	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U	0.91 U
PCB-1260	-	0.19 JMB	0.53 U	0.5 U	0.5 U	0.63 U	0.91 U
Total PCBs	0.09	0.59	-	-	-	-	-

Notes:

- Concentration exceeds corresponding
NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-3D 8/8/2007 ug/L	MW-3D 10/2/2008 ug/L	MW-3D 6/19/2009 ug/L	MW-3D 3/25/2010 ug/L	MW-3D 6/23/2011 ug/L	MW-3D 8/1/2012 ug/L
Analyte							
PCB-1016	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U	1.2 U
PCB-1221	-	1.0 U	1.9 U	0.54 U	0.54 U	0.5 U	1.2 U
PCB-1232	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U	1.2 U
PCB-1242	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U	1.2 U
PCB-1248	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U	1.2 U
PCB-1254	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U	1.2 U
PCB-1260	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U	1.2 U
Total PCBs	0.09	-	-	-	-	-	-

Notes:

 - Concentration exceeds corresponding
NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-4S 8/7/2007 ug/L	MW-4S 10/1/2008 ug/L	MW-4S 6/18/2009 ug/L	MW-4S 3/24/2010 ug/L	MW-4S 6/22/2011 ug/L	MW-4S 8/1/2012 ug/L
Analyte							
PCB-1016	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U	0.47 U
PCB-1221	-	1.1 U	1.1 U	0.5 U	0.54 U	0.5 U	0.47 U
PCB-1232	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U	0.47 U
PCB-1242	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U	0.47 U
PCB-1248	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U	0.47 U
PCB-1254	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U	0.47 U
PCB-1260	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U	0.47 U
Total PCBs	0.09	-	-	-	-	-	-

Notes:

 - Concentration exceeds corresponding
NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-4D 8/7/2007 ug/L	MW-4D 10/1/2008 ug/L	MW-4D 6/18/2009 ug/L	MW-4D 3/24/2010 ug/L	MW-4D 6/22/2011 ug/L	MW-4D 7/30/2012 ug/L	MW-X 7/30/2012 ug/L
Analyte								
PCB-1016	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U	0.47 U	0.47 U
PCB-1221	-	1.2 U	1.0 U	0.5 U	0.52 U	0.5 U	0.47 U	0.47 U
PCB-1232	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U	0.47 U	0.47 U
PCB-1242	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U	0.47 U	0.47 U
PCB-1248	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U	0.47 U	0.47 U
PCB-1254	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U	0.47 U	0.47 U
PCB-1260	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U	0.47 U	0.47 U
Total PCBs	0.09	-	-	-	-	-	-	-

Notes:

 - Concentration exceeds corresponding NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

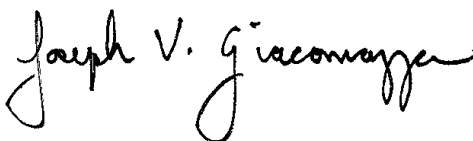
Appendix A
Analytical Reporting Forms

ANALYTICAL REPORT

Job Number: 480-23098-1

Job Description: NYSDEC-Standby COLUMBIA MILLS

For:
Malcolm Pirnie, Inc. Invoice to Arcadis
855 Route 146
Suite 210
Clifton Park, NY 12065
Attention: Mr. Jeremy Wyckoff



Approved for release.
Joe Giacomazza
Project Administrator
8/3/2012 12:15 PM

Designee for
Sally Hoffman
Project Manager II
sally.hoffman@testamericainc.com
08/03/2012

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. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Manual Integration Summary	5
Sample Summary	6
Executive Summary	7
Method Summary	8
Method / Analyst Summary	9
Sample Datasheets	10
Surrogate Summary	32
QC Data Summary	33
Data Qualifiers	37
QC Association Summary	38
Lab Chronicle	40
Reagent Traceability	43
Certification Summary	45
Organic Sample Data	46
GC Semi VOA	46
Method 8082	46
Method 8082 QC Summary	47
Method 8082 Sample Data	60
Standards Data	126
Method 8082 ICAL Data	126
Method 8082 CCAL Data	213
Raw QC Data	273
Method 8082 Blank Data	273

Table of Contents

Method 8082 LCS/LCSD Data	285
Method 8082 MS/MSD Data	309
Method 8082 Run Logs	325
Method 8082 Prep Data	331
Shipping and Receiving Documents	333
Client Chain of Custody	334
Sample Receipt Checklist	336

Job Narrative
480-23098-1

Receipt

The samples were received on 7/26/2012 9:00 AM and 7/27/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.2° C, 2.5° C and 2.6° C.

GC Semi VOA

Method 8082: All primary data is reported from the ZB-5 column.

No other analytical or quality issues were noted.

Organic Prep

Method 3510C: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation MW-3D (480-23140-2), MW-3S (480-23140-1)

Method 3510C: The following sample MW-3D (480-23140-2) has twice the normal amount of surrogate added.

No other analytical or quality issues were noted.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1

SDG No.: _____

Instrument ID: HP6890-7 Analysis Batch Number: 74010Lab Sample ID: STD0025 480-74010/1 IC Client Sample ID: _____Date Analyzed: 07/26/12 12:11 Lab File ID: 7_231_070.D GC Column: ZB-5 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	5.09	Incomplete Integration	michalej	07/26/12 13:42
PCB-1260 Peak 2	5.28	Incomplete Integration	michalej	07/26/12 13:42
PCB-1260 Peak 3	5.49	Incomplete Integration	michalej	07/26/12 13:42
PCB-1260 Peak 4	5.75	Incomplete Integration	michalej	07/26/12 13:42

Lab Sample ID: STD1248 480-74010/13 IC Client Sample ID: _____Date Analyzed: 07/26/12 15:23 Lab File ID: 7_231_082.D GC Column: ZB-5 ID: 0.53 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 4	4.02	Peak Tail	michalej	07/29/12 09:25

SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-23098-1	MW-1S	Water	07/25/2012 1130	07/26/2012 0900
480-23098-2	MW-2S	Water	07/25/2012 1140	07/26/2012 0900
480-23098-3	MW-2D	Water	07/25/2012 1035	07/26/2012 0900
480-23098-4	MW-1D	Water	07/25/2012 1415	07/26/2012 0900
480-23098-5	MW-4D	Water	07/25/2012 1440	07/26/2012 0900
480-23098-5MS	MW-4D	Water	07/25/2012 1440	07/26/2012 0900
480-23098-5MSD	MW-4D	Water	07/25/2012 1440	07/26/2012 0900
480-23098-6	MW-X	Water	07/25/2012 1500	07/26/2012 0900
480-23098-7	SOUTH PPRS	Water	07/25/2012 1530	07/26/2012 0900
480-23098-8	LEACHATE	Water	07/25/2012 1540	07/26/2012 0900
480-23140-1	MW-3S	Water	07/26/2012 0830	07/27/2012 0900
480-23140-2	MW-3D	Water	07/26/2012 0820	07/27/2012 0900
480-23140-3	MW-4S	Water	07/26/2012 0825	07/27/2012 0900

EXECUTIVE SUMMARY - Detections

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
--------------------------	------------------	--------	-----------	--------------------	-------	--------

No Detections

METHOD SUMMARY

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

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: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Method	Analyst	Analyst ID
SW846 8082	Michalek, Jason	JM

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-1S

Lab Sample ID: 480-23098-1

Date Sampled: 07/25/2012 1130

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2301			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.49	U	0.17	0.49
PCB-1221	0.49	U	0.17	0.49
PCB-1232	0.49	U	0.17	0.49
PCB-1242	0.49	U	0.17	0.49
PCB-1248	0.49	U	0.17	0.49
PCB-1254	0.49	U	0.24	0.49
PCB-1260	0.49	U	0.24	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	57		19 - 120
Tetrachloro-m-xylene	88		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-1S

Lab Sample ID: 480-23098-1

Date Sampled: 07/25/2012 1130

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2301			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		19 - 120
Tetrachloro-m-xylene	92		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-2S

Lab Sample ID: 480-23098-2

Date Sampled: 07/25/2012 1140

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1059 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2316			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.47	U	0.17	0.47
PCB-1221	0.47	U	0.17	0.47
PCB-1232	0.47	U	0.17	0.47
PCB-1242	0.47	U	0.17	0.47
PCB-1248	0.47	U	0.17	0.47
PCB-1254	0.47	U	0.24	0.47
PCB-1260	0.47	U	0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	34		19 - 120
Tetrachloro-m-xylene	83		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-2S

Lab Sample ID: 480-23098-2

Date Sampled: 07/25/2012 1140

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1059 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2316			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	38		19 - 120
Tetrachloro-m-xylene	87		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-2D

Lab Sample ID: 480-23098-3

Date Sampled: 07/25/2012 1035

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1057 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2333			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.47	U	0.17	0.47
PCB-1221	0.47	U	0.17	0.47
PCB-1232	0.47	U	0.17	0.47
PCB-1242	0.47	U	0.17	0.47
PCB-1248	0.47	U	0.17	0.47
PCB-1254	0.47	U	0.24	0.47
PCB-1260	0.47	U	0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		19 - 120
Tetrachloro-m-xylene	88		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-2D

Lab Sample ID: 480-23098-3

Date Sampled: 07/25/2012 1035

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1057 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2333			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	64		19 - 120
Tetrachloro-m-xylene	92		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-1D

Lab Sample ID: 480-23098-4

Client Matrix: Water

Date Sampled: 07/25/2012 1415

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2348			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.49	U	0.17	0.49
PCB-1221	0.49	U	0.17	0.49
PCB-1232	0.49	U	0.17	0.49
PCB-1242	0.49	U	0.17	0.49
PCB-1248	0.49	U	0.17	0.49
PCB-1254	0.49	U	0.24	0.49
PCB-1260	0.49	U	0.24	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	63		19 - 120
Tetrachloro-m-xylene	88		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-1D

Lab Sample ID: 480-23098-4

Date Sampled: 07/25/2012 1415

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/29/2012 2348			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		19 - 120
Tetrachloro-m-xylene	94		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-4D

Lab Sample ID: 480-23098-5

Date Sampled: 07/25/2012 1440

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1058 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0004			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.47	U	0.17	0.47
PCB-1221	0.47	U	0.17	0.47
PCB-1232	0.47	U	0.17	0.47
PCB-1242	0.47	U	0.17	0.47
PCB-1248	0.47	U	0.17	0.47
PCB-1254	0.47	U	0.24	0.47
PCB-1260	0.47	U	0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	66		19 - 120
Tetrachloro-m-xylene	89		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-4D

Lab Sample ID: 480-23098-5

Date Sampled: 07/25/2012 1440

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1058 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0004			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		19 - 120
Tetrachloro-m-xylene	92		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-X

Lab Sample ID: 480-23098-6

Date Sampled: 07/25/2012 1500

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1055 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0052			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.47	U	0.17	0.47
PCB-1221	0.47	U	0.17	0.47
PCB-1232	0.47	U	0.17	0.47
PCB-1242	0.47	U	0.17	0.47
PCB-1248	0.47	U	0.17	0.47
PCB-1254	0.47	U	0.24	0.47
PCB-1260	0.47	U	0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	68		19 - 120
Tetrachloro-m-xylene	89		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-X

Lab Sample ID: 480-23098-6

Date Sampled: 07/25/2012 1500

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1055 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0052			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	72		19 - 120
Tetrachloro-m-xylene	92		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: SOUTH PPRS

Lab Sample ID: 480-23098-7

Date Sampled: 07/25/2012 1530

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0108			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.49	U	0.17	0.49
PCB-1221	0.49	U	0.17	0.49
PCB-1232	0.49	U	0.17	0.49
PCB-1242	0.49	U	0.17	0.49
PCB-1248	0.49	U	0.17	0.49
PCB-1254	0.49	U	0.25	0.49
PCB-1260	0.49	U	0.25	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		19 - 120
Tetrachloro-m-xylene	91		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: SOUTH PPRS

Lab Sample ID: 480-23098-7

Date Sampled: 07/25/2012 1530

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1020 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0108			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	94		19 - 120
Tetrachloro-m-xylene	100		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: LEACHATE

Lab Sample ID: 480-23098-8

Date Sampled: 07/25/2012 1540

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0124			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.47	U	0.17	0.47
PCB-1221	0.47	U	0.17	0.47
PCB-1232	0.47	U	0.17	0.47
PCB-1242	0.47	U	0.17	0.47
PCB-1248	0.47	U	0.17	0.47
PCB-1254	0.47	U	0.24	0.47
PCB-1260	0.47	U	0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		19 - 120
Tetrachloro-m-xylene	111		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: LEACHATE

Lab Sample ID: 480-23098-8

Date Sampled: 07/25/2012 1540

Client Matrix: Water

Date Received: 07/26/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74107	Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	07/30/2012 0124			Injection Volume:	1 uL
Prep Date:	07/27/2012 0656			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		19 - 120
Tetrachloro-m-xylene	114		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-3S

Lab Sample ID: 480-23140-1

Date Sampled: 07/26/2012 0830

Client Matrix: Water

Date Received: 07/27/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74672	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74514	Initial Weight/Volume:	550 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2012 1048			Injection Volume:	1 uL
Prep Date:	07/31/2012 0824			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.91	U	0.32	0.91
PCB-1221	0.91	U	0.32	0.91
PCB-1232	0.91	U	0.32	0.91
PCB-1242	0.91	U	0.32	0.91
PCB-1248	0.91	U	0.32	0.91
PCB-1254	0.91	U	0.45	0.91
PCB-1260	0.91	U	0.45	0.91

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	78		19 - 120
Tetrachloro-m-xylene	78		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-3S

Lab Sample ID: 480-23140-1

Date Sampled: 07/26/2012 0830

Client Matrix: Water

Date Received: 07/27/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74672	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74514	Initial Weight/Volume:	550 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2012 1048			Injection Volume:	1 uL
Prep Date:	07/31/2012 0824			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		19 - 120
Tetrachloro-m-xylene	79		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-3D

Lab Sample ID: 480-23140-2

Date Sampled: 07/26/2012 0820

Client Matrix: Water

Date Received: 07/27/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74672	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74514	Initial Weight/Volume:	430 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2012 1104			Injection Volume:	1 uL
Prep Date:	07/31/2012 0824			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	1.2	U	0.41	1.2
PCB-1221	1.2	U	0.41	1.2
PCB-1232	1.2	U	0.41	1.2
PCB-1242	1.2	U	0.41	1.2
PCB-1248	1.2	U	0.41	1.2
PCB-1254	1.2	U	0.58	1.2
PCB-1260	1.2	U	0.58	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	71		19 - 120
Tetrachloro-m-xylene	91		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-3D

Lab Sample ID: 480-23140-2

Date Sampled: 07/26/2012 0820

Client Matrix: Water

Date Received: 07/27/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74672	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74514	Initial Weight/Volume:	430 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2012 1104			Injection Volume:	1 uL
Prep Date:	07/31/2012 0824			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	77		19 - 120
Tetrachloro-m-xylene	87		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-4S

Lab Sample ID: 480-23140-3

Date Sampled: 07/26/2012 0825

Client Matrix: Water

Date Received: 07/27/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74672	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74514	Initial Weight/Volume:	1059 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2012 1120			Injection Volume:	1 uL
Prep Date:	07/31/2012 0824			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.47	U	0.17	0.47
PCB-1221	0.47	U	0.17	0.47
PCB-1232	0.47	U	0.17	0.47
PCB-1242	0.47	U	0.17	0.47
PCB-1248	0.47	U	0.17	0.47
PCB-1254	0.47	U	0.24	0.47
PCB-1260	0.47	U	0.24	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	65		19 - 120
Tetrachloro-m-xylene	83		23 - 127

Analytical Data

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Client Sample ID: MW-4S

Lab Sample ID: 480-23140-3

Date Sampled: 07/26/2012 0825

Client Matrix: Water

Date Received: 07/27/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-74672	Instrument ID:	HP6890-7
Prep Method:	3510C	Prep Batch:	480-74514	Initial Weight/Volume:	1059 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/01/2012 1120			Injection Volume:	1 uL
Prep Date:	07/31/2012 0824			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	72		19 - 120
Tetrachloro-m-xylene	86		23 - 127

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
480-23098-1	MW-1S	88	92	57	62
480-23098-2	MW-2S	83	87	34	38
480-23098-3	MW-2D	88	92	61	64
480-23098-4	MW-1D	88	94	63	68
480-23098-5	MW-4D	89	92	66	71
480-23098-6	MW-X	89	92	68	72
480-23098-7	SOUTH PPRS	91	100	89	94
480-23098-8	LEACHATE	111	114	103	109
480-23140-1	MW-3S	78	79	78	85
480-23140-2	MW-3D	91	87	71	77
480-23140-3	MW-4S	83	86	65	72
MB 480-74107/1-A		90	95	89	92
MB 480-74514/1-A		82	92	58	63
LCS 480-74107/2-A		87	89	82	84
LCS 480-74514/2-A		94	99	84	89
LCSD 480-74514/4-A		95	99	84	89
480-23098-5 MS	MW-4D MS	85	87	87	91
480-23098-5 MSD	MW-4D MSD	84	85	88	91

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	23-127
DCB = DCB Decachlorobiphenyl	19-120

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Method Blank - Batch: 480-74107

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 480-74107/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/29/2012 1950
Prep Date: 07/27/2012 0656
Leach Date: N/A

Analysis Batch: 480-74328
Prep Batch: 480-74107
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_231_130.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	0.50	U	0.18	0.50
PCB-1221	0.50	U	0.18	0.50
PCB-1232	0.50	U	0.18	0.50
PCB-1242	0.50	U	0.18	0.50
PCB-1248	0.50	U	0.18	0.50
PCB-1254	0.50	U	0.25	0.50
PCB-1260	0.50	U	0.25	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	19 - 120
Tetrachloro-m-xylene	90	23 - 127

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	92	19 - 120
Tetrachloro-m-xylene	95	23 - 127

Lab Control Sample - Batch: 480-74107

Method: 8082
Preparation: 3510C

Lab Sample ID: LCS 480-74107/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/29/2012 2006
Prep Date: 07/27/2012 0656
Leach Date: N/A

Analysis Batch: 480-74328
Prep Batch: 480-74107
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_231_131.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	5.00	4.08	82	61 - 120	
PCB-1260	5.00	4.29	86	45 - 120	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	82	19 - 120
Tetrachloro-m-xylene	87	23 - 127

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	84	19 - 120
Tetrachloro-m-xylene	89	23 - 127

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-74107**

**Method: 8082
Preparation: 3510C**

MS Lab Sample ID:	480-23098-5	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Client Matrix:	Water	Prep Batch:	480-74107	Lab File ID:	7_231_147.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1050 mL
Analysis Date:	07/30/2012 0020			Final Weight/Volume:	10 mL
Prep Date:	07/27/2012 0656			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	480-23098-5	Analysis Batch:	480-74328	Instrument ID:	HP6890-7
Client Matrix:	Water	Prep Batch:	480-74107	Lab File ID:	7_231_148.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1055 mL
Analysis Date:	07/30/2012 0036			Final Weight/Volume:	10 mL
Prep Date:	07/27/2012 0656			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	82	82	52 - 134	0	50		
PCB-1260	88	88	19 - 136	1	50		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	87		88	19 - 120			
Tetrachloro-m-xylene	85		84	23 - 127			
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	91		91	19 - 120			
Tetrachloro-m-xylene	87		85	23 - 127			

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-74107**

**Method: 8082
Preparation: 3510C**

MS Lab Sample ID:	480-23098-5	Units:	ug/L	MSD Lab Sample ID:	480-23098-5
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	07/30/2012 0020			Analysis Date:	07/30/2012 0036
Prep Date:	07/27/2012 0656			Prep Date:	07/27/2012 0656
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	0.47	U	4.76	4.74	3.91	3.90
PCB-1260	0.47	U	4.76	4.74	4.17	4.19

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Method Blank - Batch: 480-74514

Method: 8082

Preparation: 3510C

Lab Sample ID: MB 480-74514/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 08/01/2012 0657
 Prep Date: 07/31/2012 0820
 Leach Date: N/A

Analysis Batch: 480-74672
 Prep Batch: 480-74514
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP6890-7
 Lab File ID: 7_232_045.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 10 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	0.50	U	0.18	0.50
PCB-1221	0.50	U	0.18	0.50
PCB-1232	0.50	U	0.18	0.50
PCB-1242	0.50	U	0.18	0.50
PCB-1248	0.50	U	0.18	0.50
PCB-1254	0.50	U	0.25	0.50
PCB-1260	0.50	U	0.25	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	58	19 - 120
Tetrachloro-m-xylene	82	23 - 127

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	63	19 - 120
Tetrachloro-m-xylene	92	23 - 127

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 480-74514

Method: 8082
Preparation: 3510C

LCS Lab Sample ID: LCS 480-74514/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 08/01/2012 0713
Prep Date: 07/31/2012 0820
Leach Date: N/A

Analysis Batch: 480-74672
Prep Batch: 480-74514
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_232_046.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 480-74514/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 08/01/2012 0729
Prep Date: 07/31/2012 0820
Leach Date: N/A

Analysis Batch: 480-74672
Prep Batch: 480-74514
Leach Batch: N/A
Units: ug/L

Instrument ID: HP6890-7
Lab File ID: 7_232_047.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	87	87	61 - 120	1	50		
PCB-1260	85	86	45 - 120	1	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	84		84		19 - 120		
Tetrachloro-m-xylene	94		95		23 - 127		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	89		89		19 - 120		
Tetrachloro-m-xylene	99		99		23 - 127		

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 480-74514

Method: 8082
Preparation: 3510C

LCS Lab Sample ID: LCS 480-74514/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 08/01/2012 0713
Prep Date: 07/31/2012 0820
Leach Date: N/A

Units: ug/L

LCSD Lab Sample ID: LCSD 480-74514/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 08/01/2012 0729
Prep Date: 07/31/2012 0820
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	5.00	5.00	4.33	4.36
PCB-1260	5.00	5.00	4.25	4.28

DATA REPORTING QUALIFIERS

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Lab Section	Qualifier	Description
GC Semi VOA	U	Analyzed for but not detected.

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-74107					
LCS 480-74107/2-A	Lab Control Sample	T	Water	3510C	
MB 480-74107/1-A	Method Blank	T	Water	3510C	
480-23098-1	MW-1S	T	Water	3510C	
480-23098-2	MW-2S	T	Water	3510C	
480-23098-3	MW-2D	T	Water	3510C	
480-23098-4	MW-1D	T	Water	3510C	
480-23098-5	MW-4D	T	Water	3510C	
480-23098-5MS	Matrix Spike	T	Water	3510C	
480-23098-5MSD	Matrix Spike Duplicate	T	Water	3510C	
480-23098-6	MW-X	T	Water	3510C	
480-23098-7	SOUTH PPRS	T	Water	3510C	
480-23098-8	LEACHATE	T	Water	3510C	
Analysis Batch:480-74328					
LCS 480-74107/2-A	Lab Control Sample	T	Water	8082	480-74107
MB 480-74107/1-A	Method Blank	T	Water	8082	480-74107
480-23098-1	MW-1S	T	Water	8082	480-74107
480-23098-2	MW-2S	T	Water	8082	480-74107
480-23098-3	MW-2D	T	Water	8082	480-74107
480-23098-4	MW-1D	T	Water	8082	480-74107
480-23098-5	MW-4D	T	Water	8082	480-74107
480-23098-5MS	Matrix Spike	T	Water	8082	480-74107
480-23098-5MSD	Matrix Spike Duplicate	T	Water	8082	480-74107
480-23098-6	MW-X	T	Water	8082	480-74107
480-23098-7	SOUTH PPRS	T	Water	8082	480-74107
480-23098-8	LEACHATE	T	Water	8082	480-74107
Prep Batch: 480-74514					
LCS 480-74514/2-A	Lab Control Sample	T	Water	3510C	
LCSD 480-74514/4-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 480-74514/1-A	Method Blank	T	Water	3510C	
480-23140-1	MW-3S	T	Water	3510C	
480-23140-2	MW-3D	T	Water	3510C	
480-23140-3	MW-4S	T	Water	3510C	
Analysis Batch:480-74672					
LCS 480-74514/2-A	Lab Control Sample	T	Water	8082	480-74514
LCSD 480-74514/4-A	Lab Control Sample Duplicate	T	Water	8082	480-74514
MB 480-74514/1-A	Method Blank	T	Water	8082	480-74514
480-23140-1	MW-3S	T	Water	8082	480-74514
480-23140-2	MW-3D	T	Water	8082	480-74514
480-23140-3	MW-4S	T	Water	8082	480-74514

TestAmerica Buffalo

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
---------------	------------------	-----------------	---------------	--------	------------

Report Basis

T = Total

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Laboratory Chronicle

Lab ID: 480-23098-1

Client ID: MW-1S

Sample Date/Time: 07/25/2012 11:30

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-B-1-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-B-1-A		480-74328	480-74107	07/29/2012 23:01	1	TAL BUF	JM

Lab ID: 480-23098-2

Client ID: MW-2S

Sample Date/Time: 07/25/2012 11:40

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-B-2-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-B-2-A		480-74328	480-74107	07/29/2012 23:16	1	TAL BUF	JM

Lab ID: 480-23098-3

Client ID: MW-2D

Sample Date/Time: 07/25/2012 10:35

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-B-3-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-B-3-A		480-74328	480-74107	07/29/2012 23:33	1	TAL BUF	JM

Lab ID: 480-23098-4

Client ID: MW-1D

Sample Date/Time: 07/25/2012 14:15

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-A-4-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-A-4-A		480-74328	480-74107	07/29/2012 23:48	1	TAL BUF	JM

Lab ID: 480-23098-5

Client ID: MW-4D

Sample Date/Time: 07/25/2012 14:40

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-A-5-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-A-5-A		480-74328	480-74107	07/30/2012 00:04	1	TAL BUF	JM

Lab ID: 480-23098-5

Client ID: MW-4D

Sample Date/Time: 07/25/2012 14:40

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-B-5-A MS		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-B-5-A MS		480-74328	480-74107	07/30/2012 00:20	1	TAL BUF	JM

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Laboratory Chronicle

Lab ID: 480-23098-5

Client ID: MW-4D

Sample Date/Time: 07/25/2012 14:40

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-B-5-B MSD		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-B-5-B MSD		480-74328	480-74107	07/30/2012 00:36	1	TAL BUF	JM

Lab ID: 480-23098-6

Client ID: MW-X

Sample Date/Time: 07/25/2012 15:00

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-B-6-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-B-6-A		480-74328	480-74107	07/30/2012 00:52	1	TAL BUF	JM

Lab ID: 480-23098-7

Client ID: SOUTH PPRS

Sample Date/Time: 07/25/2012 15:30

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-A-7-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-A-7-A		480-74328	480-74107	07/30/2012 01:08	1	TAL BUF	JM

Lab ID: 480-23098-8

Client ID: LEACHATE

Sample Date/Time: 07/25/2012 15:40

Received Date/Time: 07/26/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23098-A-8-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	480-23098-A-8-A		480-74328	480-74107	07/30/2012 01:24	1	TAL BUF	JM

Lab ID: 480-23140-1

Client ID: MW-3S

Sample Date/Time: 07/26/2012 08:30

Received Date/Time: 07/27/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23140-A-1-A		480-74672	480-74514	07/31/2012 08:24	1	TAL BUF	TR
A:8082	480-23140-A-1-A		480-74672	480-74514	08/01/2012 10:48	1	TAL BUF	JM

Lab ID: 480-23140-2

Client ID: MW-3D

Sample Date/Time: 07/26/2012 08:20

Received Date/Time: 07/27/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23140-A-2-A		480-74672	480-74514	07/31/2012 08:24	1	TAL BUF	TR
A:8082	480-23140-A-2-A		480-74672	480-74514	08/01/2012 11:04	1	TAL BUF	JM

Quality Control Results

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Laboratory Chronicle

Lab ID: 480-23140-3

Client ID: MW-4S

Sample Date/Time: 07/26/2012 08:25

Received Date/Time: 07/27/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	480-23140-B-3-A		480-74672	480-74514	07/31/2012 08:24	1	TAL BUF	TR
A:8082	480-23140-B-3-A		480-74672	480-74514	08/01/2012 11:20	1	TAL BUF	JM

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:3510C	MB 480-74107/1-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	MB 480-74107/1-A		480-74328	480-74107	07/29/2012 19:50	1	TAL BUF	JM
P:3510C	MB 480-74514/1-A		480-74672	480-74514	07/31/2012 08:20	1	TAL BUF	TR
A:8082	MB 480-74514/1-A		480-74672	480-74514	08/01/2012 06:57	1	TAL BUF	JM

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:3510C	LCS 480-74107/2-A		480-74328	480-74107	07/27/2012 06:56	1	TAL BUF	TR
A:8082	LCS 480-74107/2-A		480-74328	480-74107	07/29/2012 20:06	1	TAL BUF	JM
P:3510C	LCS 480-74514/2-A		480-74672	480-74514	07/31/2012 08:20	1	TAL BUF	TR
A:8082	LCS 480-74514/2-A		480-74672	480-74514	08/01/2012 07:13	1	TAL BUF	JM

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:3510C	LCSD 480-74514/4-A		480-74672	480-74514	07/31/2012 08:20	1	TAL BUF	TR
A:8082	LCSD 480-74514/4-A		480-74672	480-74514	08/01/2012 07:29	1	TAL BUF	JM

Lab References:

TAL BUF = TestAmerica Buffalo

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica BuffaloJob No.: 480-23098-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
AR 1232 STD_00004	01/09/13	12/30/10	HEXANE, Lot 101e10	10 mL			PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
AR 1242 .5NG_00005	09/26/12	12/29/10	HEXANE, Lot j45e25	10 mL			PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
AR1221.5ng_00003	08/07/12	08/07/11	Hexane, Lot Kk3te41	10 mL			PCB-1221 Peak 1	0.5 ng/uL
							PCB-1221 Peak 2	0.5 ng/uL
							PCB-1221 Peak 3	0.5 ng/uL
							PCB-1221 Peak 4	0.5 ng/uL
AR1248 .5ng_00004	01/09/13	12/29/10	Hexane, Lot L01E30	10 mL			PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
AR1254 STD_00002	09/26/12	12/30/10	HEXANE, Lot k45e45	10 mL			PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
AR1660 .025ng_00001	07/28/12	10/11/11	HEXANE, Lot lobe07	10 mL			DCB Decachlorobiphenyl	0.01 ug/mL
							PCB-1016 Peak 1	0.025 ug/mL
							PCB-1016 Peak 2	0.025 ug/mL
							PCB-1016 Peak 3	0.025 ug/mL
							PCB-1016 Peak 4	0.025 ug/mL
							PCB-1260 Peak 1	0.025 ug/mL
							PCB-1260 Peak 2	0.025 ug/mL
							PCB-1260 Peak 3	0.025 ug/mL
							PCB-1260 Peak 4	0.025 ug/mL
AR1660 .25 ng_00003	07/28/12	10/11/11	HEXANE, Lot lobe07	10 mL			Tetrachloro-m-xylene	0.01 ug/mL
							DCB Decachlorobiphenyl	0.02 ug/mL
							PCB-1016 Peak 1	0.25 ug/mL
							PCB-1016 Peak 2	0.25 ug/mL
							PCB-1016 Peak 3	0.25 ug/mL
							PCB-1016 Peak 4	0.25 ug/mL
							PCB-1260 Peak 1	0.25 ug/mL
							PCB-1260 Peak 2	0.25 ug/mL
							PCB-1260 Peak 3	0.25 ug/mL
AR1660 .5NG_00041	07/28/12	09/23/11	HEXANE, Lot lo8e07	50 mL			PCB-1260 Peak 4	0.25 ug/mL
							Tetrachloro-m-xylene	0.02 ug/mL
							DCB Decachlorobiphenyl	0.03 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							Tetrachloro-m-xylene	0.03 ug/mL
AR1660 .5NG_00043	12/04/12	09/23/11	HEXANE, Lot e10111	50 mL			DCB Decachlorobiphenyl	0.03 ug/mL
							PCB-1016	0.5 ug/mL
							PCB-1260	0.5 ug/mL
							Tetrachloro-m-xylene	0.03 ug/mL
AR1660 1.0 ng_00006	07/27/12	10/11/11	HEXANE, Lot 1ob307	10 mL			DCB Decachlorobiphenyl	0.04 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							Tetrachloro-m-xylene	0.04 ug/mL
AR1660 2.0 ng_00005	07/28/12	10/11/11	HEXANE, Lot 1o6e05	10 mL			DCB Decachlorobiphenyl	0.05 ug/mL
							PCB-1016 Peak 1	2 ug/mL
							PCB-1016 Peak 2	2 ug/mL
							PCB-1016 Peak 3	2 ug/mL
							PCB-1016 Peak 4	2 ug/mL
							PCB-1260 Peak 1	2 ug/mL
							PCB-1260 Peak 2	2 ug/mL
							PCB-1260 Peak 3	2 ug/mL
							PCB-1260 Peak 4	2 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
O_8081/82surr_00025	12/23/12	07/23/12	Methanol, Lot K49E05	1000 mL			DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
O_8082spike_00007	11/10/12	05/10/12	ace:methanol, Lot K47E06:K49E05	500 mL			PCB-1016	5 ug/mL
							PCB-1260	5 ug/mL

Certification Summary

Client: Malcolm Pirnie, Inc. Invoice to Arcadis
Project/Site: NYSDEC-Standby COLUMBIA MILLS

TestAmerica Job ID: 480-23098-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8082

Polychlorinated Biphenyls (PCBs) by
Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Matrix: Water 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 #
MW-1S	480-23098-1	88	92	57	62
MW-2S	480-23098-2	83	87	34	38
MW-2D	480-23098-3	88	92	61	64
MW-1D	480-23098-4	88	94	63	68
MW-4D	480-23098-5	89	92	66	71
MW-X	480-23098-6	89	92	68	72
SOUTH PPRS	480-23098-7	91	100	89	94
LEACHATE	480-23098-8	111	114	103	109
MW-3S	480-23140-1	78	79	78	85
MW-3D	480-23140-2	91	87	71	77
MW-4S	480-23140-3	83	86	65	72
	MB 480-74107/1-A	90	95	89	92
	MB 480-74514/1-A	82	92	58	63
	LCS 480-74107/2-A	87	89	82	84
	LCS 480-74514/2-A	94	99	84	89
	LCSD 480-74514/4-A	95	99	84	89
MW-4D MS	480-23098-5 MS	85	87	87	91
MW-4D MSD	480-23098-5 MSD	84	85	88	91

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

QC LIMITS
 23-127
 19-120

Column to be used to flag recovery values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: 7_231_131.D

Lab ID: LCS 480-74107/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	5.00	4.08	82	61-120	
PCB-1260	5.00	4.29	86	45-120	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 7_232_046.D
Lab ID: LCS 480-74514/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	5.00	4.33	87	61-120	
PCB-1260	5.00	4.25	85	45-120	

Column to be used to flag recovery and RPD values

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 7_232_047.D
Lab ID: LCSD 480-74514/4-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	5.00	4.36	87	1	50	61-120	
PCB-1260	5.00	4.28	86	1	50	45-120	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 7_231_147.D
Lab ID: 480-23098-5 MS Client ID: MW-4D MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
PCB-1016	4.76	0.47 U	3.91	82	52-134	
PCB-1260	4.76	0.47 U	4.17	88	19-136	

Column to be used to flag recovery and RPD values

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 7_231_148.D
Lab ID: 480-23098-5 MSD Client ID: MW-4D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	4.74	3.90	82	0	50	52-134	
PCB-1260	4.74	4.19	88	1	50	19-136	

Column to be used to flag recovery and RPD values

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: MB 480-74107/1-A
 Matrix: Water Date Extracted: 07/27/2012 06:56
 Lab File ID: (1) 7_231_130.D Lab File ID: (2) 7_231_130.D
 Date Analyzed: (1) 07/29/2012 19:50 Date Analyzed: (2) 07/29/2012 19:50
 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
	LCS 480-74107/2-A	07/29/2012 20:06	07/29/2012 20:06
MW-1S	480-23098-1	07/29/2012 23:01	07/29/2012 23:01
MW-2S	480-23098-2	07/29/2012 23:16	07/29/2012 23:16
MW-2D	480-23098-3	07/29/2012 23:33	07/29/2012 23:33
MW-1D	480-23098-4	07/29/2012 23:48	07/29/2012 23:48
MW-4D	480-23098-5	07/30/2012 00:04	07/30/2012 00:04
MW-4D MS	480-23098-5 MS	07/30/2012 00:20	07/30/2012 00:20
MW-4D MSD	480-23098-5 MSD	07/30/2012 00:36	07/30/2012 00:36
MW-X	480-23098-6	07/30/2012 00:52	07/30/2012 00:52
SOUTH PPRS	480-23098-7	07/30/2012 01:08	07/30/2012 01:08
LEACHATE	480-23098-8	07/30/2012 01:24	07/30/2012 01:24

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: MB 480-74514/1-A
 Matrix: Water Date Extracted: 07/31/2012 08:20
 Lab File ID: (1) 7_232_045.D Lab File ID: (2) 7_232_045.D
 Date Analyzed: (1) 08/01/2012 06:57 Date Analyzed: (2) 08/01/2012 06:57
 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
	LCS 480-74514/2-A	08/01/2012 07:13	08/01/2012 07:13
	LCSD 480-74514/4-A	08/01/2012 07:29	08/01/2012 07:29
MW-3S	480-23140-1	08/01/2012 10:48	08/01/2012 10:48
MW-3D	480-23140-2	08/01/2012 11:04	08/01/2012 11:04
MW-4S	480-23140-3	08/01/2012 11:20	08/01/2012 11:20

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-4D MS Lab Sample ID: 480-23098-5 MS
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 07/30/2012 00:20 Date Analyzed (2): 07/30/2012 00:20
 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	2.74	2.72	2.78	3.88	3.91	1.0
		2	2.90	2.87	2.93	4.02		
		3	3.10	3.07	3.13	3.95		
		4	3.19	3.16	3.22	3.80		
	2	1	2.74	2.71	2.77	3.73	3.95	
		2	2.85	2.82	2.88	3.93		
		3	2.94	2.92	2.98	4.09		
		4	2.99	2.96	3.02	4.06		
PCB-1260	1	1	5.09	5.06	5.12	4.15	4.17	3.6
		2	5.28	5.25	5.31	4.20		
		3	5.48	5.45	5.51	4.13		
		4	5.75	5.72	5.78	4.19		
	2	1	4.16	4.13	4.19	4.05	4.02	
		2	4.58	4.55	4.61	4.02		
		3	4.63	4.60	4.66	3.96		
		4	4.89	4.86	4.92	4.04		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-4D MSD Lab Sample ID: 480-23098-5 MSD
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 07/30/2012 00:36 Date Analyzed (2): 07/30/2012 00:36
 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	2.74	2.72	2.78	3.84	3.90	0.3
		2	2.90	2.87	2.93	4.01		
		3	3.10	3.07	3.13	3.95		
		4	3.19	3.16	3.22	3.80		
	2	1	2.74	2.71	2.77	3.71	3.91	
		2	2.85	2.82	2.88	3.86		
		3	2.95	2.92	2.98	4.04		
		4	2.99	2.96	3.02	4.05		
PCB-1260	1	1	5.09	5.06	5.12	4.21	4.19	6.2
		2	5.28	5.25	5.31	4.22		
		3	5.48	5.45	5.51	4.14		
		4	5.75	5.72	5.78	4.19		
	2	1	4.16	4.13	4.19	4.06	3.94	
		2	4.58	4.55	4.61	3.89		
		3	4.63	4.60	4.66	3.75		
		4	4.89	4.86	4.92	4.05		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-74107/2-A
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 07/29/2012 20:06 Date Analyzed (2): 07/29/2012 20:06
 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	2.74	2.72	2.78	4.02	4.08	0.3
		2	2.90	2.87	2.93	4.20		
		3	3.10	3.07	3.13	4.12		
		4	3.19	3.16	3.22	3.97		
	2	1	2.74	2.71	2.77	3.87	4.07	
		2	2.85	2.82	2.88	4.04		
		3	2.94	2.91	2.97	4.19		
		4	2.99	2.96	3.02	4.16		
PCB-1260	1	1	5.09	5.06	5.12	4.27	4.29	5.9
		2	5.28	5.25	5.31	4.33		
		3	5.48	5.45	5.51	4.24		
		4	5.75	5.72	5.78	4.30		
	2	1	4.16	4.13	4.19	4.18	4.04	
		2	4.58	4.55	4.61	3.97		
		3	4.63	4.60	4.66	3.89		
		4	4.89	4.86	4.92	4.13		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-74514/2-A
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 08/01/2012 07:13 Date Analyzed (2): 08/01/2012 07:13
 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	2.75	2.71	2.77	4.32	4.33	2.0
		2	2.90	2.87	2.93	4.46		
		3	3.10	3.07	3.13	4.36		
		4	3.19	3.15	3.21	4.17		
	2	1	2.74	2.71	2.77	4.22	4.42	
		2	2.85	2.82	2.88	4.38		
		3	2.94	2.91	2.97	4.60		
		4	2.99	2.96	3.02	4.45		
PCB-1260	1	1	5.09	5.06	5.12	4.34	4.25	1.1
		2	5.28	5.25	5.31	4.29		
		3	5.48	5.45	5.51	4.19		
		4	5.75	5.72	5.78	4.20		
	2	1	4.16	4.13	4.19	4.32	4.30	
		2	4.58	4.55	4.61	4.35		
		3	4.63	4.60	4.66	4.23		
		4	4.89	4.86	4.92	4.31		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 480-74514/4-A
 Instrument ID (1): HP6890-7 Instrument ID (2): HP6890-7
 Date Analyzed (1): 08/01/2012 07:29 Date Analyzed (2): 08/01/2012 07:29
 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	2.75	2.71	2.77	4.33	4.36	0.7
		2	2.90	2.87	2.93	4.48		
		3	3.10	3.07	3.13	4.41		
		4	3.19	3.16	3.22	4.22		
	2	1	2.74	2.71	2.77	4.22	4.39	
		2	2.85	2.82	2.88	4.39		
		3	2.94	2.91	2.97	4.56		
		4	2.99	2.96	3.02	4.42		
PCB-1260	1	1	5.09	5.06	5.12	4.35	4.28	1.0
		2	5.28	5.25	5.31	4.30		
		3	5.48	5.45	5.51	4.21		
		4	5.75	5.72	5.78	4.25		
	2	1	4.16	4.13	4.19	4.31	4.32	
		2	4.58	4.55	4.61	4.39		
		3	4.63	4.60	4.66	4.22		
		4	4.89	4.86	4.92	4.36		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-1S Lab Sample ID: 480-23098-1
 Matrix: Water Lab File ID: 7_231_142.D
 Analysis Method: 8082 Date Collected: 07/25/2012 11:30
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1030 (mL) Date Analyzed: 07/29/2012 23:01
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.49	U	0.49	0.17
11104-28-2	PCB-1221	0.49	U	0.49	0.17
11141-16-5	PCB-1232	0.49	U	0.49	0.17
53469-21-9	PCB-1242	0.49	U	0.49	0.17
12672-29-6	PCB-1248	0.49	U	0.49	0.17
11097-69-1	PCB-1254	0.49	U	0.49	0.24
11096-82-5	PCB-1260	0.49	U	0.49	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	57		19-120
877-09-8	Tetrachloro-m-xylene	88		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_142.D
 Lims ID: 480-23098-B-1-A Client ID: MW-1S
 Inject. Date: 29-Jul-2012 23:01:02 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 53
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:37 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1916728	0.0175			
2	2	1.738	1.738	0.000	7607163	0.0185			

RPD = 5.22

E 12 DCB Decachlorobiphenyl

1	1	7.251	7.253	-0.001	647417	0.0114			
2	2	6.469	6.470	-0.001	2013134	0.0123			

RPD = 7.57

Report Date: 30-Jul-2012 06:07:37

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_142.D

Injection Date: 29-Jul-2012 23:01:02

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-1S

Instrument ID: HP6890-7

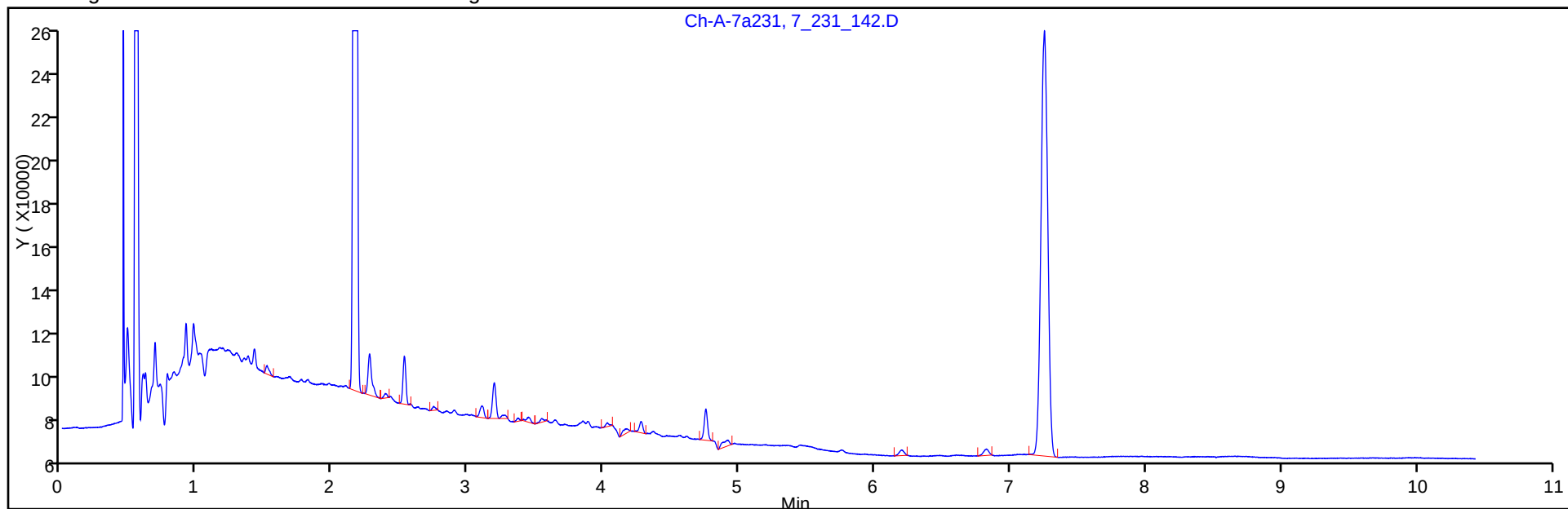
Lims Batch ID: 74328

Lims Sample ID: 53

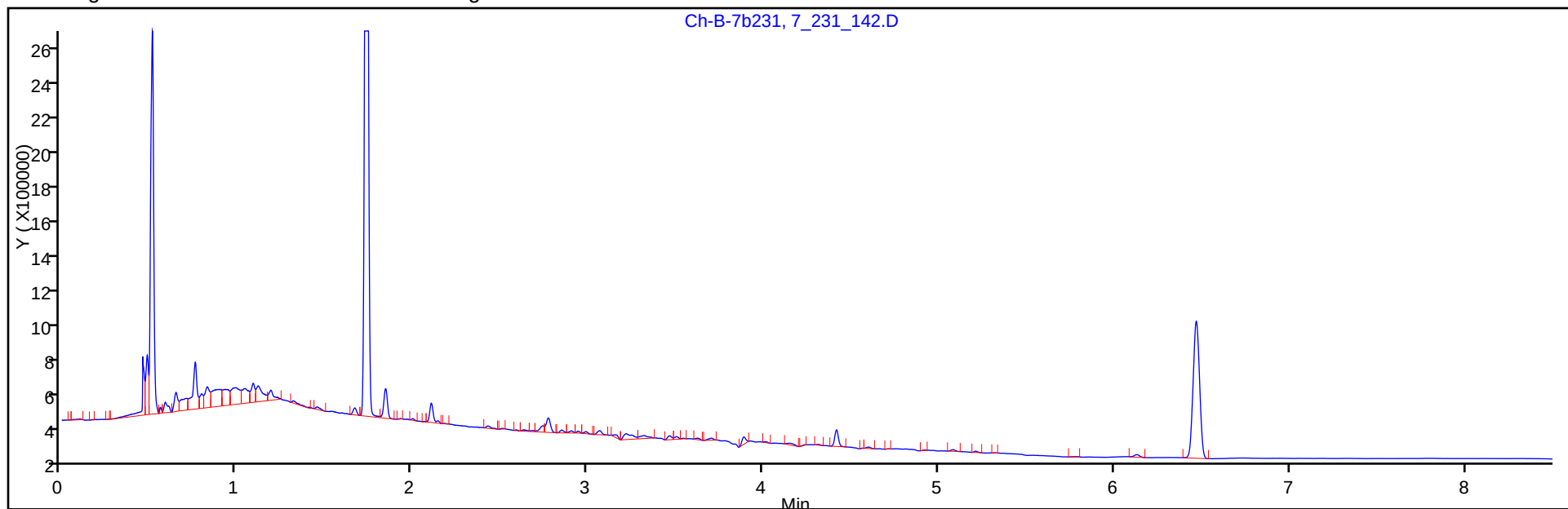
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-1S Lab Sample ID: 480-23098-1
Matrix: Water Lab File ID: 7_231_142.D
Analysis Method: 8082 Date Collected: 07/25/2012 11:30
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1030 (mL) Date Analyzed: 07/29/2012 23:01
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	62		19-120
877-09-8	Tetrachloro-m-xylene	92		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_142.D
 Lims ID: 480-23098-B-1-A Client ID: MW-1S
 Inject. Date: 29-Jul-2012 23:01:02 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 53
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:37 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1916728	0.0175			
2	2	1.738	1.738	0.000	7607163	0.0185			

RPD = 5.22

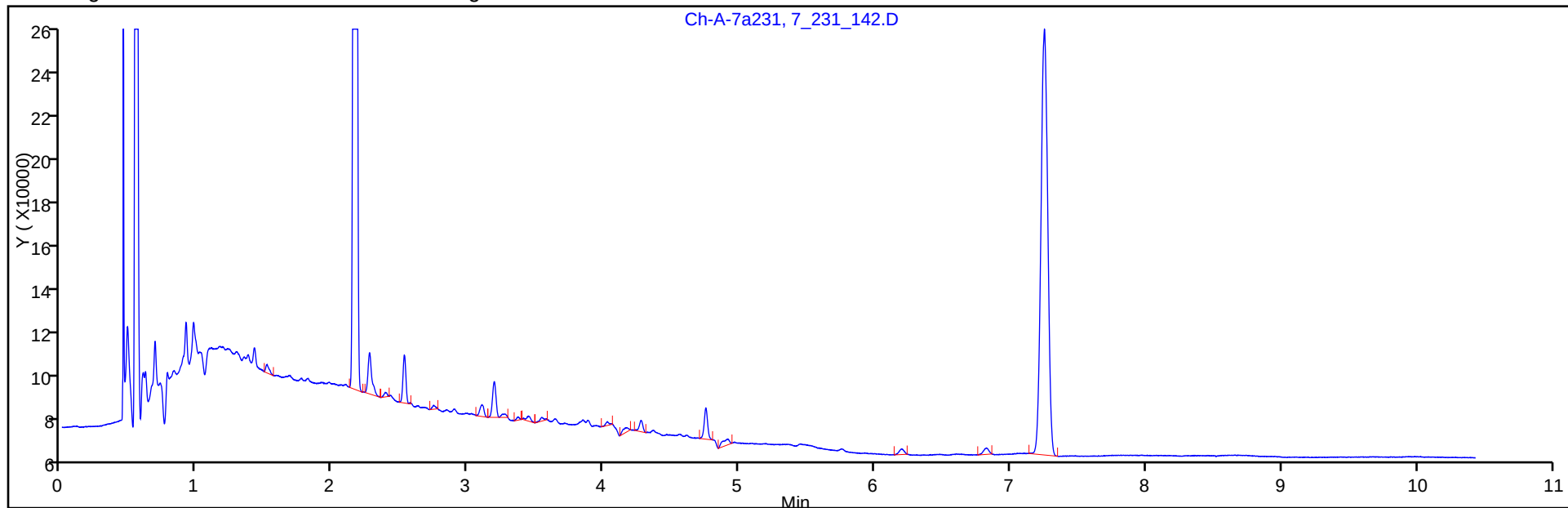
E 12 DCB Decachlorobiphenyl

1	1	7.251	7.253	-0.001	647417	0.0114			
2	2	6.469	6.470	-0.001	2013134	0.0123			

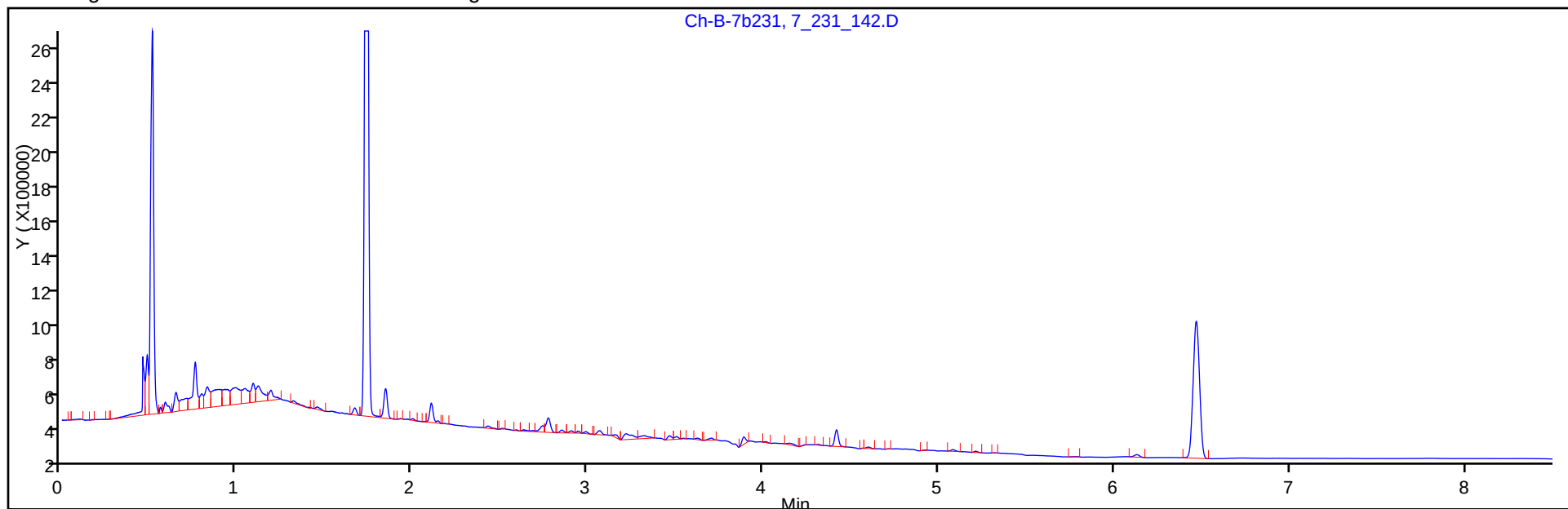
RPD = 7.57

Report Date: 30-Jul-2012 06:07:37 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_142.D
Injection Date: 29-Jul-2012 23:01:02 Limit Group: GC - 8082 PCB ICAL
Client ID: MW-1S Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 53
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-2S Lab Sample ID: 480-23098-2
 Matrix: Water Lab File ID: 7_231_143.D
 Analysis Method: 8082 Date Collected: 07/25/2012 11:40
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1059(mL) Date Analyzed: 07/29/2012 23:16
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.47	U	0.47	0.17
11104-28-2	PCB-1221	0.47	U	0.47	0.17
11141-16-5	PCB-1232	0.47	U	0.47	0.17
53469-21-9	PCB-1242	0.47	U	0.47	0.17
12672-29-6	PCB-1248	0.47	U	0.47	0.17
11097-69-1	PCB-1254	0.47	U	0.47	0.24
11096-82-5	PCB-1260	0.47	U	0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	34		19-120
877-09-8	Tetrachloro-m-xylene	83		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_143.D
 Lims ID: 480-23098-B-2-A Client ID: MW-2S
 Inject. Date: 29-Jul-2012 23:16:52 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 54
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:46 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1807573	0.0165			
2	2	1.737	1.738	-0.001	7160190	0.0174			

RPD = 5.03

4 PCB-1242

1	1	2.735	2.743	-0.007	16472	0.005405		100.0	
1	2	2.894	2.895	-0.001	5297	0.002914	29.7- 89.7	32.2	
1	3	3.102	3.098	0.004	24505	0.003967	172.7- 232.7	148.8	
1	4	3.191	3.183	0.008	33684	0.0147	45.3- 105.3	204.5	
Average of Peak Amounts =						0.006742			
2	5	2.432	2.428	0.004	31033	0.002887		100.0	
2	6	2.741	2.738	0.003	115396	0.005343	170.9- 230.9	371.8	
2	7	2.850	2.848	0.002	31660	0.003820	47.1- 107.1	102.0	
2	8	2.943	2.940	0.003	24640	0.004416	21.9- 81.9	79.4	
Average of Peak Amounts =						0.004116			

RPD = 48.37

E 12 DCB Decachlorobiphenyl

1	1	7.249	7.253	-0.003	381241	0.006735			
2	2	6.469	6.470	-0.001	1231728	0.007548			

RPD = 11.39

Report Date: 30-Jul-2012 06:07:46

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_143.D

Injection Date: 29-Jul-2012 23:16:52

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-2S

Instrument ID: HP6890-7

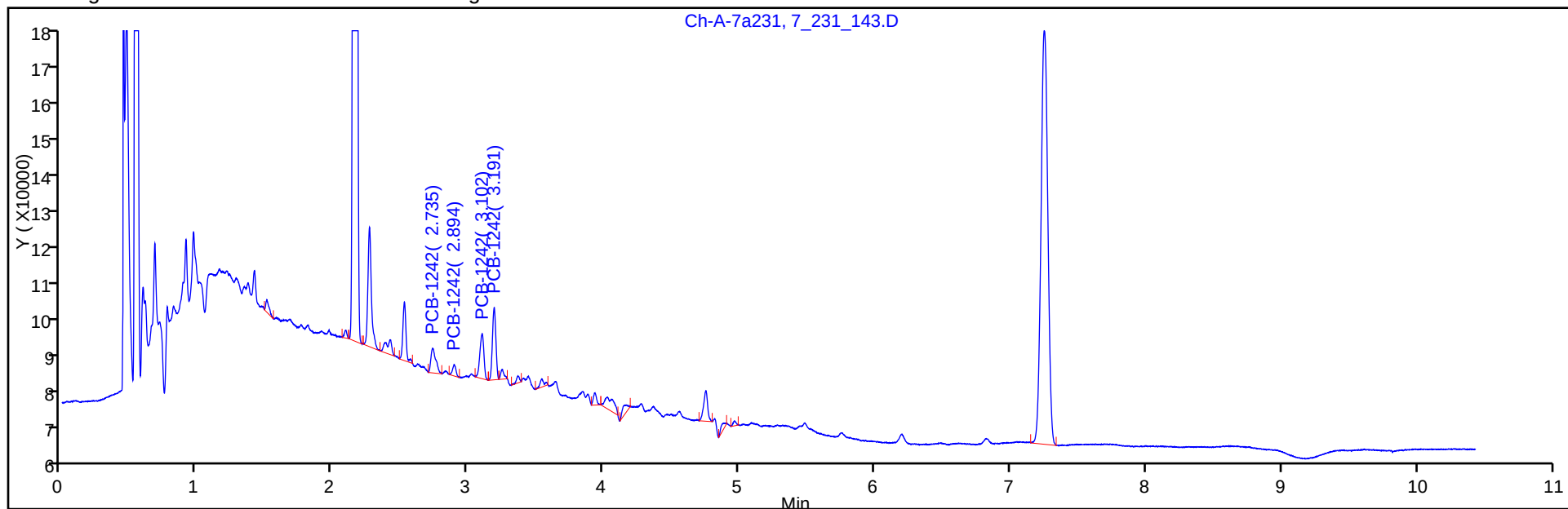
Lims Batch ID: 74328

Lims Sample ID: 54

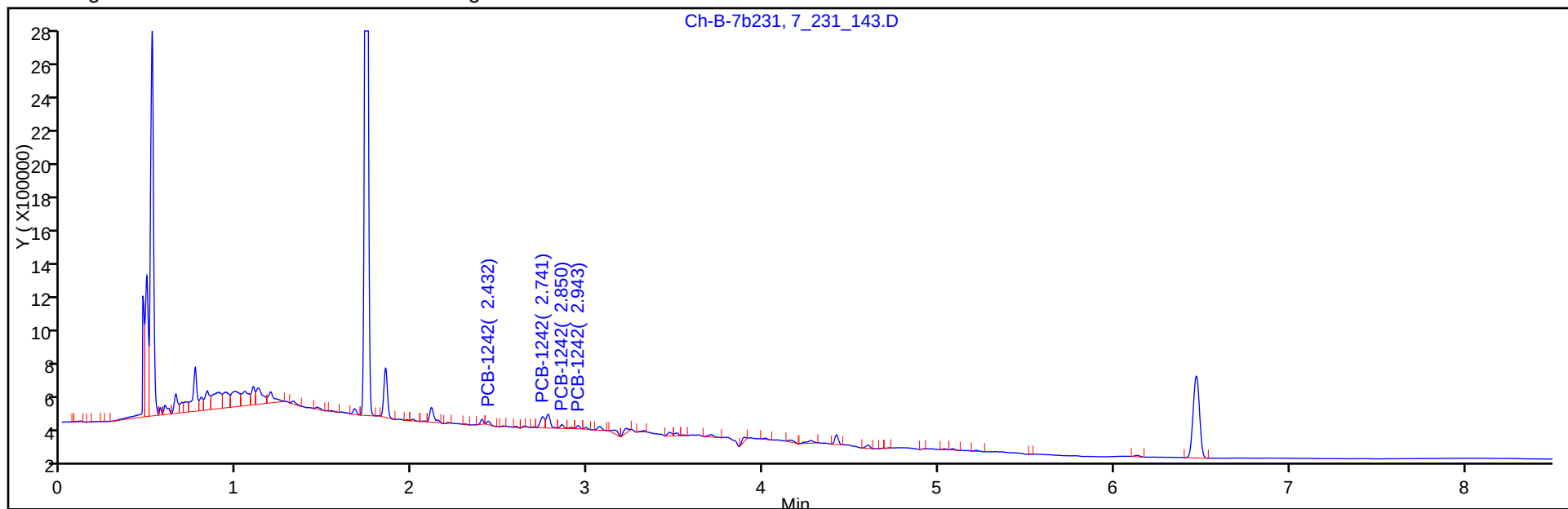
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-2S Lab Sample ID: 480-23098-2
Matrix: Water Lab File ID: 7_231_143.D
Analysis Method: 8082 Date Collected: 07/25/2012 11:40
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1059(mL) Date Analyzed: 07/29/2012 23:16
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	38		19-120
877-09-8	Tetrachloro-m-xylene	87		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_143.D
 Lims ID: 480-23098-B-2-A Client ID: MW-2S
 Inject. Date: 29-Jul-2012 23:16:52 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 54
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:46 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:46

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1807573	0.0165			
2	2	1.737	1.738	-0.001	7160190	0.0174			

RPD = 5.03

4 PCB-1242

1	1	2.735	2.743	-0.007	16472	0.005405		100.0	
1	2	2.894	2.895	-0.001	5297	0.002914	29.7- 89.7	32.2	
1	3	3.102	3.098	0.004	24505	0.003967	172.7- 232.7	148.8	
1	4	3.191	3.183	0.008	33684	0.0147	45.3- 105.3	204.5	
		Average of Peak Amounts =				0.006742			
2	5	2.432	2.428	0.004	31033	0.002887		100.0	
2	6	2.741	2.738	0.003	115396	0.005343	170.9- 230.9	371.8	
2	7	2.850	2.848	0.002	31660	0.003820	47.1- 107.1	102.0	
2	8	2.943	2.940	0.003	24640	0.004416	21.9- 81.9	79.4	
		Average of Peak Amounts =				0.004116			

RPD = 48.37

E 12 DCB Decachlorobiphenyl

1	1	7.249	7.253	-0.003	381241	0.006735			
2	2	6.469	6.470	-0.001	1231728	0.007548			

RPD = 11.39

Report Date: 30-Jul-2012 06:07:46

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_143.D

Injection Date: 29-Jul-2012 23:16:52

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-2S

Instrument ID: HP6890-7

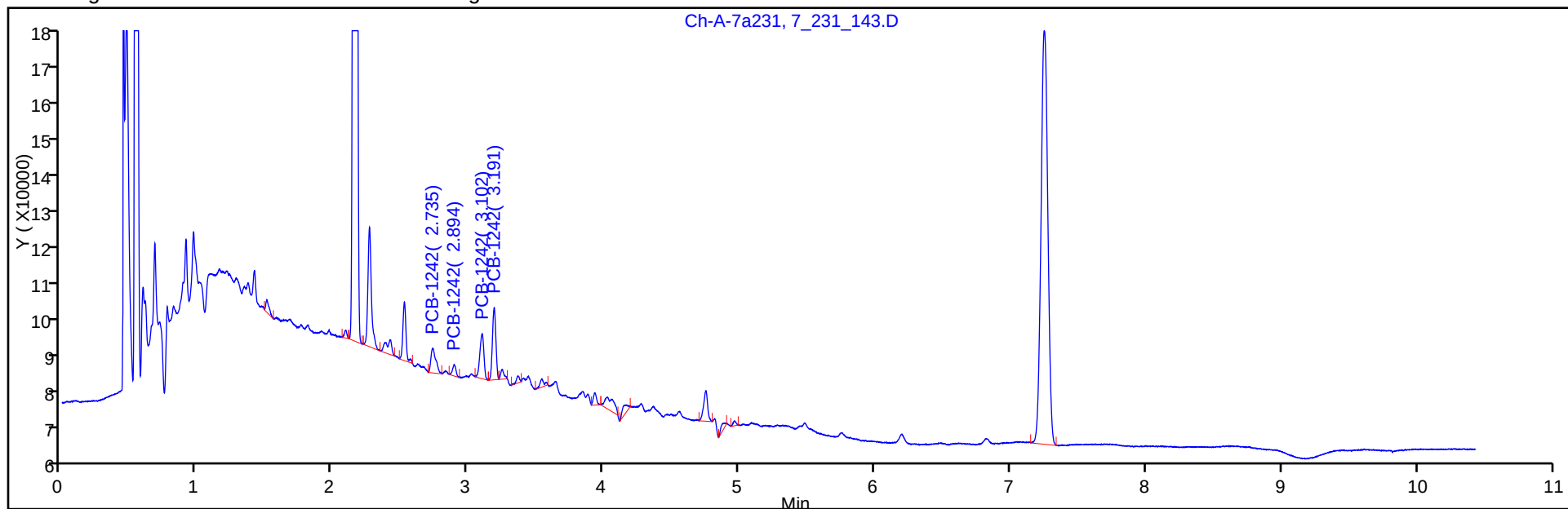
Lims Batch ID: 74328

Lims Sample ID: 54

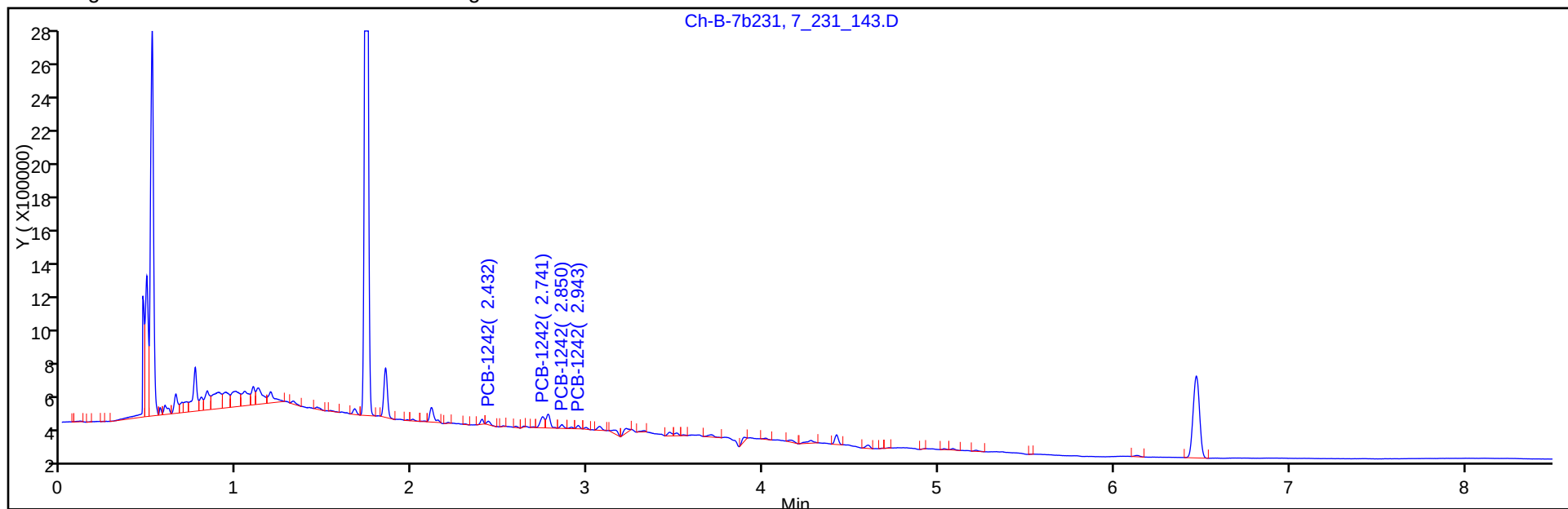
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-2D Lab Sample ID: 480-23098-3
 Matrix: Water Lab File ID: 7_231_144.D
 Analysis Method: 8082 Date Collected: 07/25/2012 10:35
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1057(mL) Date Analyzed: 07/29/2012 23:33
 Con. Extract Vol.: 10(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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.47	U	0.47	0.17
11104-28-2	PCB-1221	0.47	U	0.47	0.17
11141-16-5	PCB-1232	0.47	U	0.47	0.17
53469-21-9	PCB-1242	0.47	U	0.47	0.17
12672-29-6	PCB-1248	0.47	U	0.47	0.17
11097-69-1	PCB-1254	0.47	U	0.47	0.24
11096-82-5	PCB-1260	0.47	U	0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		19-120
877-09-8	Tetrachloro-m-xylene	88		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_144.D
 Lims ID: 480-23098-B-3-A Client ID: MW-2D
 Inject. Date: 29-Jul-2012 23:33:06 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 55
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:53 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1929525	0.0177			
2	2	1.737	1.738	-0.001	7588377	0.0184			

RPD = 4.31

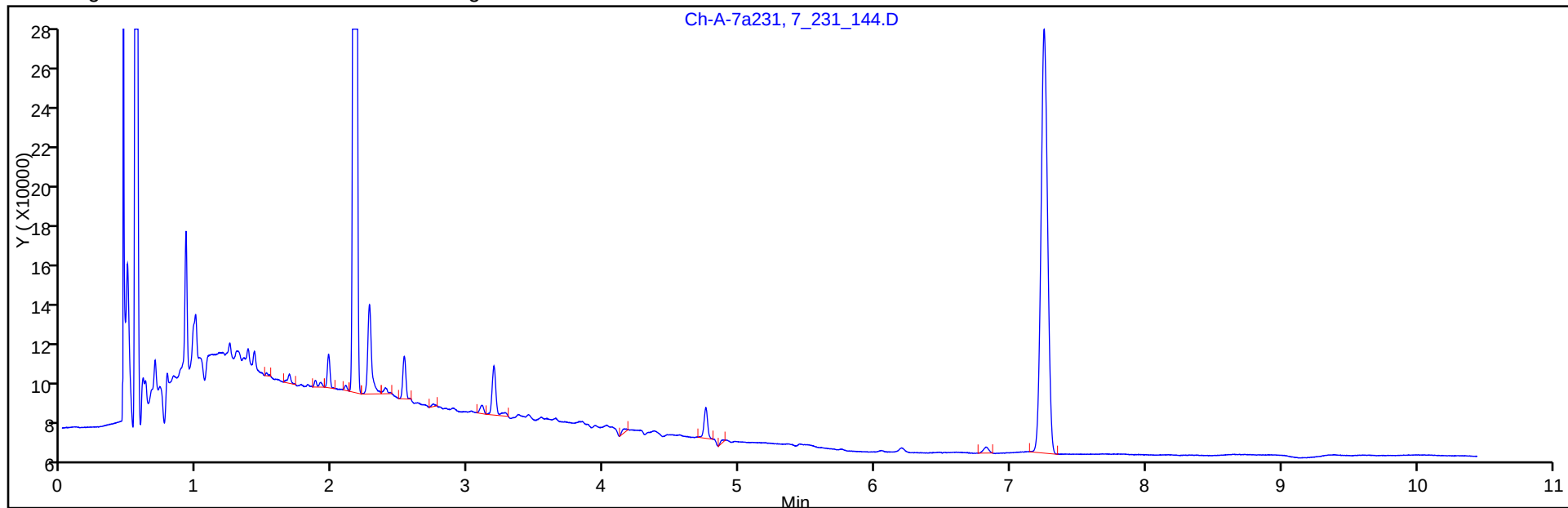
E 12 DCB Decachlorobiphenyl

1	1	7.249	7.253	-0.003	686182	0.0121			
2	2	6.468	6.470	-0.002	2105022	0.0129			

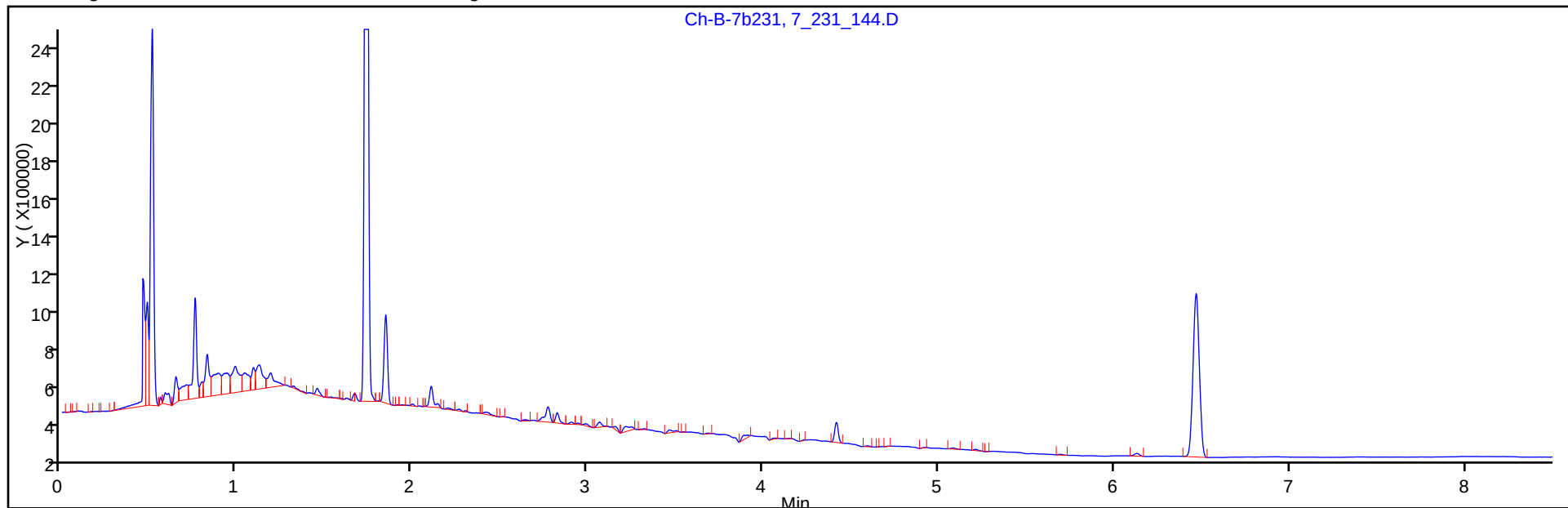
RPD = 6.22

Report Date: 30-Jul-2012 06:07:53 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_144.D
Injection Date: 29-Jul-2012 23:33:06 Limit Group: GC - 8082 PCB ICAL
Client ID: MW-2D Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 55
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-2D Lab Sample ID: 480-23098-3
Matrix: Water Lab File ID: 7_231_144.D
Analysis Method: 8082 Date Collected: 07/25/2012 10:35
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1057 (mL) Date Analyzed: 07/29/2012 23:33
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	64		19-120
877-09-8	Tetrachloro-m-xylene	92		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_144.D
 Lims ID: 480-23098-B-3-A Client ID: MW-2D
 Inject. Date: 29-Jul-2012 23:33:06 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 55
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:53 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1929525	0.0177			
2	2	1.737	1.738	-0.001	7588377	0.0184			

RPD = 4.31

E 12 DCB Decachlorobiphenyl

1	1	7.249	7.253	-0.003	686182	0.0121			
2	2	6.468	6.470	-0.002	2105022	0.0129			

RPD = 6.22

Report Date: 30-Jul-2012 06:07:53

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_144.D

Injection Date: 29-Jul-2012 23:33:06

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-2D

Instrument ID: HP6890-7

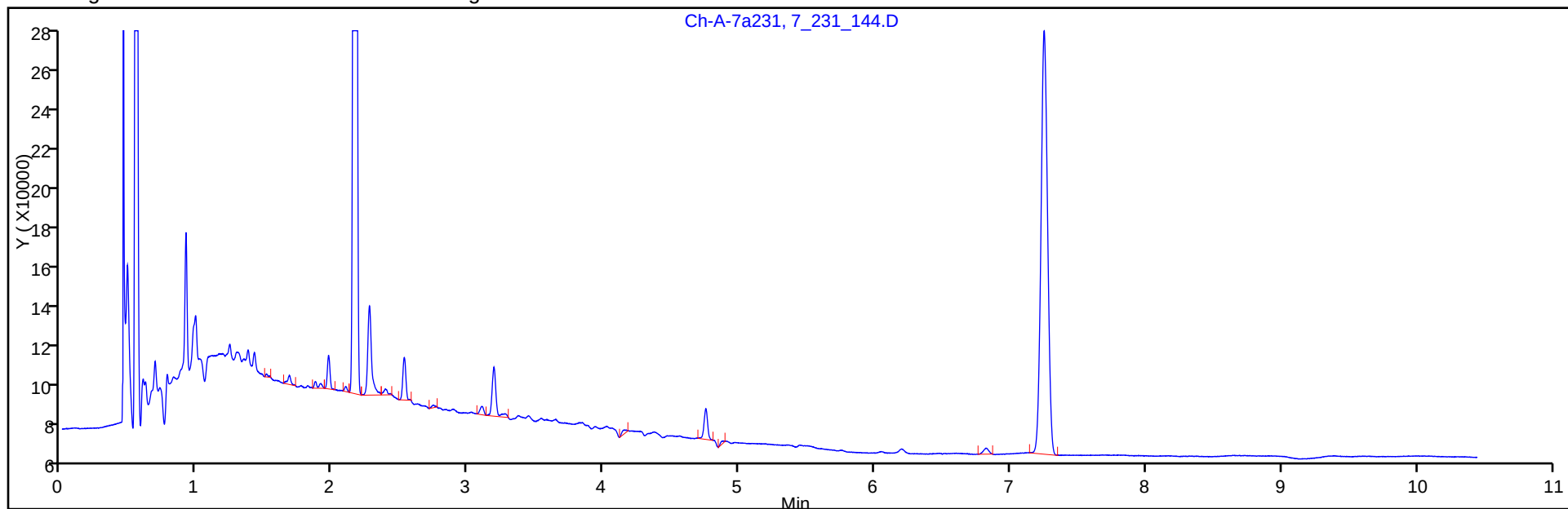
Lims Batch ID: 74328

Lims Sample ID: 55

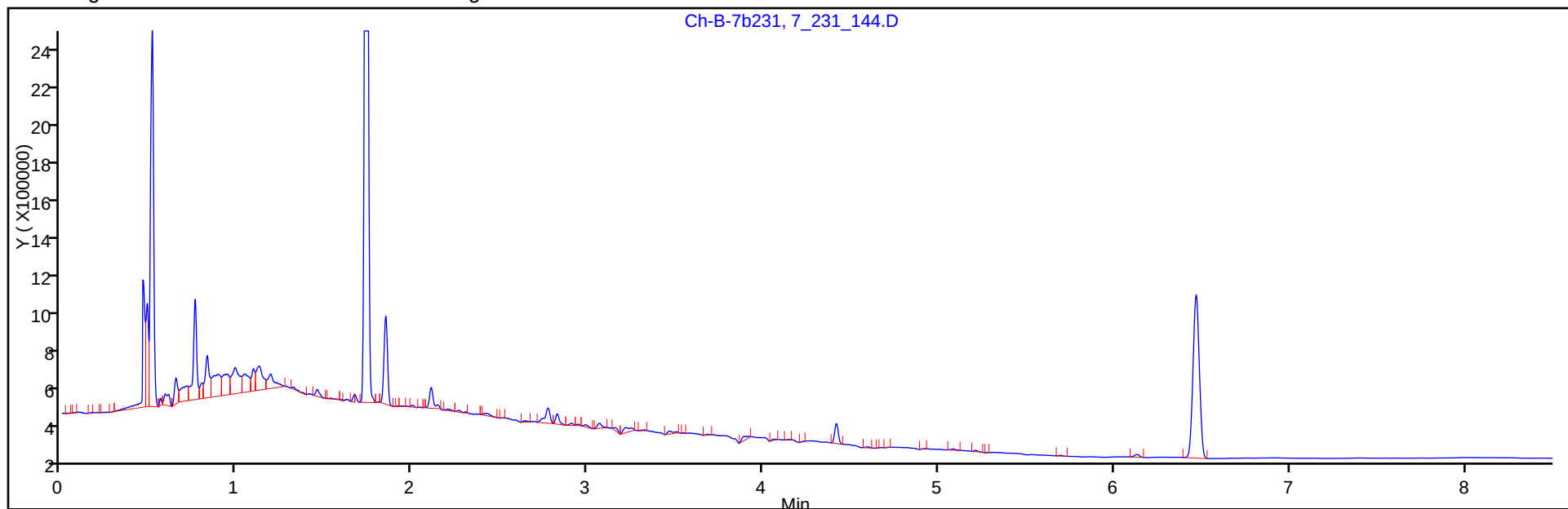
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-1D Lab Sample ID: 480-23098-4
 Matrix: Water Lab File ID: 7_231_145.D
 Analysis Method: 8082 Date Collected: 07/25/2012 14:15
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1030 (mL) Date Analyzed: 07/29/2012 23:48
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.49	U	0.49	0.17
11104-28-2	PCB-1221	0.49	U	0.49	0.17
11141-16-5	PCB-1232	0.49	U	0.49	0.17
53469-21-9	PCB-1242	0.49	U	0.49	0.17
12672-29-6	PCB-1248	0.49	U	0.49	0.17
11097-69-1	PCB-1254	0.49	U	0.49	0.24
11096-82-5	PCB-1260	0.49	U	0.49	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		19-120
877-09-8	Tetrachloro-m-xylene	88		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_145.D
 Lims ID: 480-23098-A-4-A Client ID: MW-1D
 Inject. Date: 29-Jul-2012 23:48:59 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 56
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:53 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1933628	0.0177			
2	2	1.737	1.738	-0.001	7709639	0.0187			

RPD = 5.68

E 12 DCB Decachlorobiphenyl

1	1	7.249	7.253	-0.003	717705	0.0127			
2	2	6.469	6.470	-0.001	2211519	0.0136			

RPD = 6.66

Report Date: 30-Jul-2012 06:07:56

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_145.D

Injection Date: 29-Jul-2012 23:48:59

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-1D

Instrument ID: HP6890-7

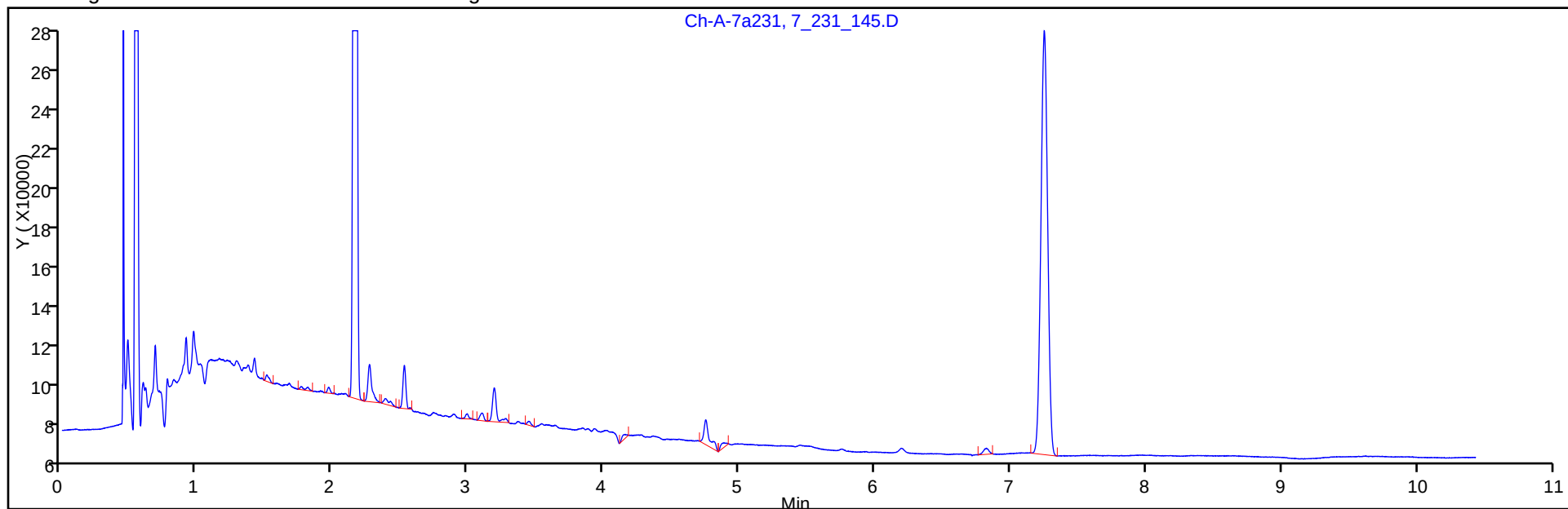
Lims Batch ID: 74328

Lims Sample ID: 56

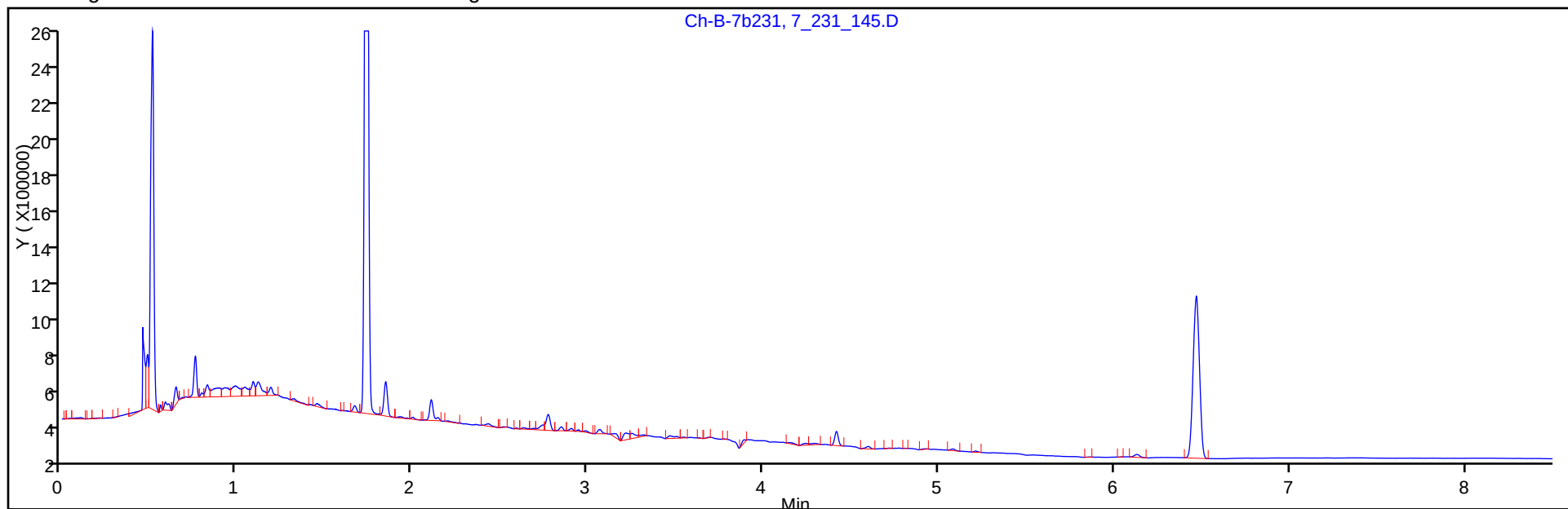
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-1D Lab Sample ID: 480-23098-4
Matrix: Water Lab File ID: 7_231_145.D
Analysis Method: 8082 Date Collected: 07/25/2012 14:15
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1030 (mL) Date Analyzed: 07/29/2012 23:48
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	68		19-120
877-09-8	Tetrachloro-m-xylene	94		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_145.D
 Lims ID: 480-23098-A-4-A Client ID: MW-1D
 Inject. Date: 29-Jul-2012 23:48:59 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 56
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:53 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1933628	0.0177			
2	2	1.737	1.738	-0.001	7709639	0.0187			

RPD = 5.68

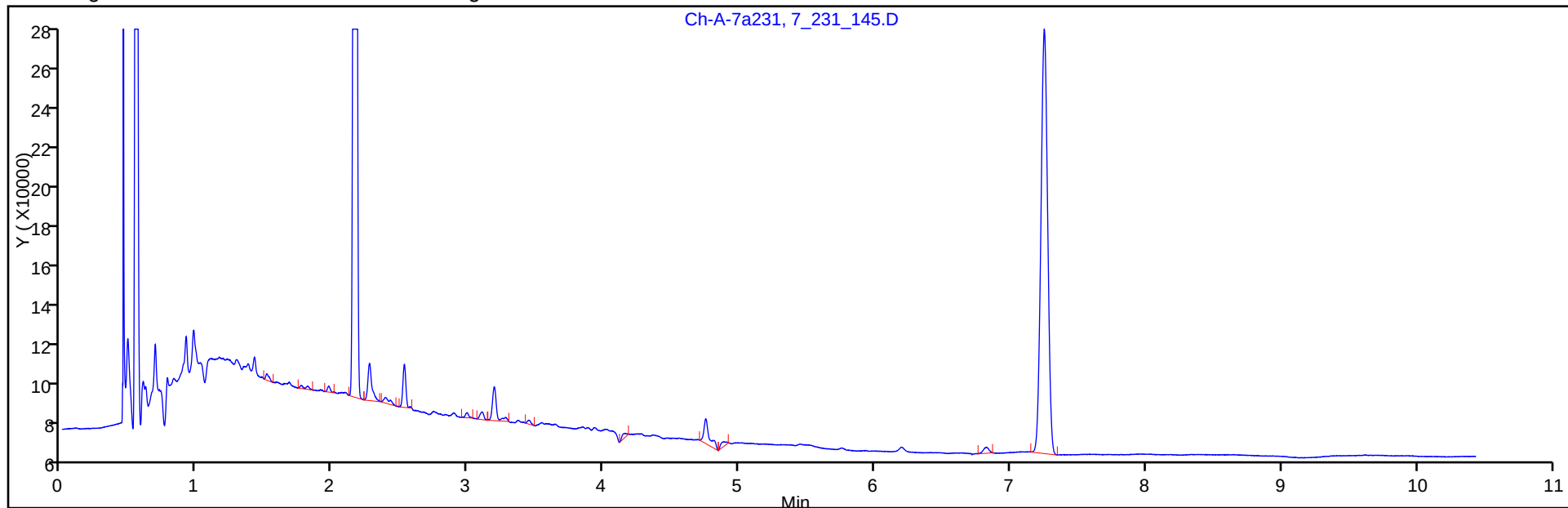
E 12 DCB Decachlorobiphenyl

1	1	7.249	7.253	-0.003	717705	0.0127			
2	2	6.469	6.470	-0.001	2211519	0.0136			

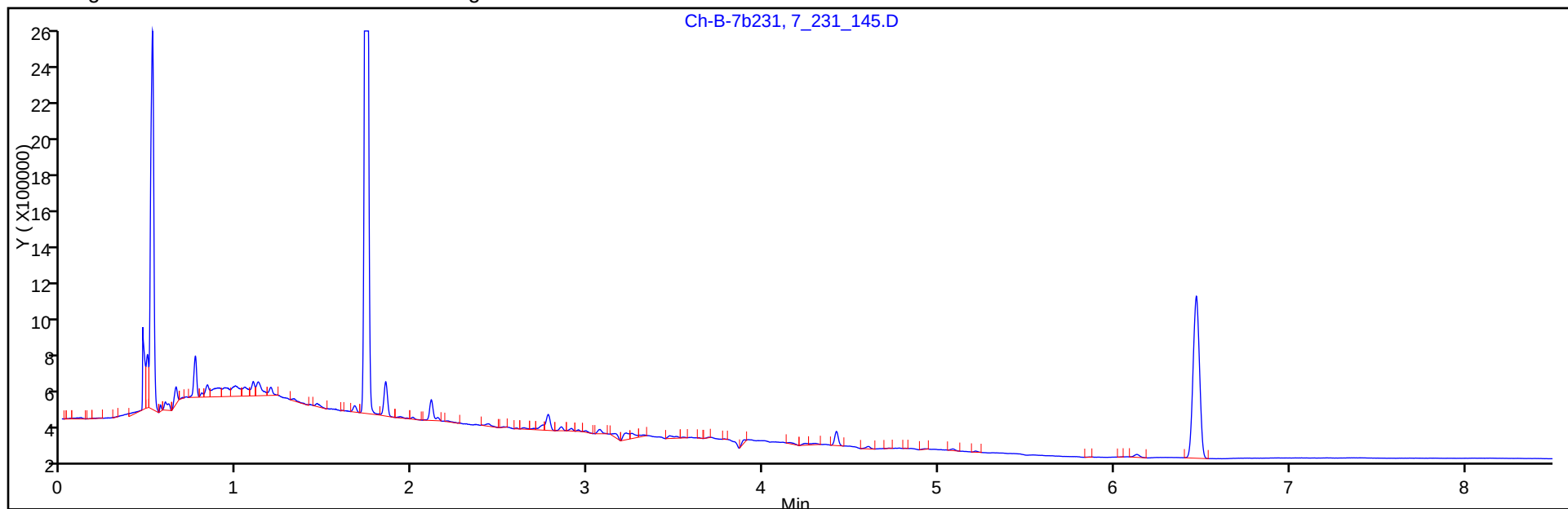
RPD = 6.66

Report Date: 30-Jul-2012 06:07:56 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_145.D
Injection Date: 29-Jul-2012 23:48:59 Limit Group: GC - 8082 PCB ICAL
Client ID: MW-1D Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 56
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-4D Lab Sample ID: 480-23098-5
 Matrix: Water Lab File ID: 7_231_146.D
 Analysis Method: 8082 Date Collected: 07/25/2012 14:40
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1058(mL) Date Analyzed: 07/30/2012 00:04
 Con. Extract Vol.: 10(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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.47	U	0.47	0.17
11104-28-2	PCB-1221	0.47	U	0.47	0.17
11141-16-5	PCB-1232	0.47	U	0.47	0.17
53469-21-9	PCB-1242	0.47	U	0.47	0.17
12672-29-6	PCB-1248	0.47	U	0.47	0.17
11097-69-1	PCB-1254	0.47	U	0.47	0.24
11096-82-5	PCB-1260	0.47	U	0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	66		19-120
877-09-8	Tetrachloro-m-xylene	89		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_146.D
 Lims ID: 480-23098-A-5-A Client ID: MW-4D
 Inject. Date: 30-Jul-2012 00:04:55 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 57
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:01 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.003	1952922	0.0179			
2	2	1.736	1.738	-0.002	7586797	0.0184			

RPD = 3.09

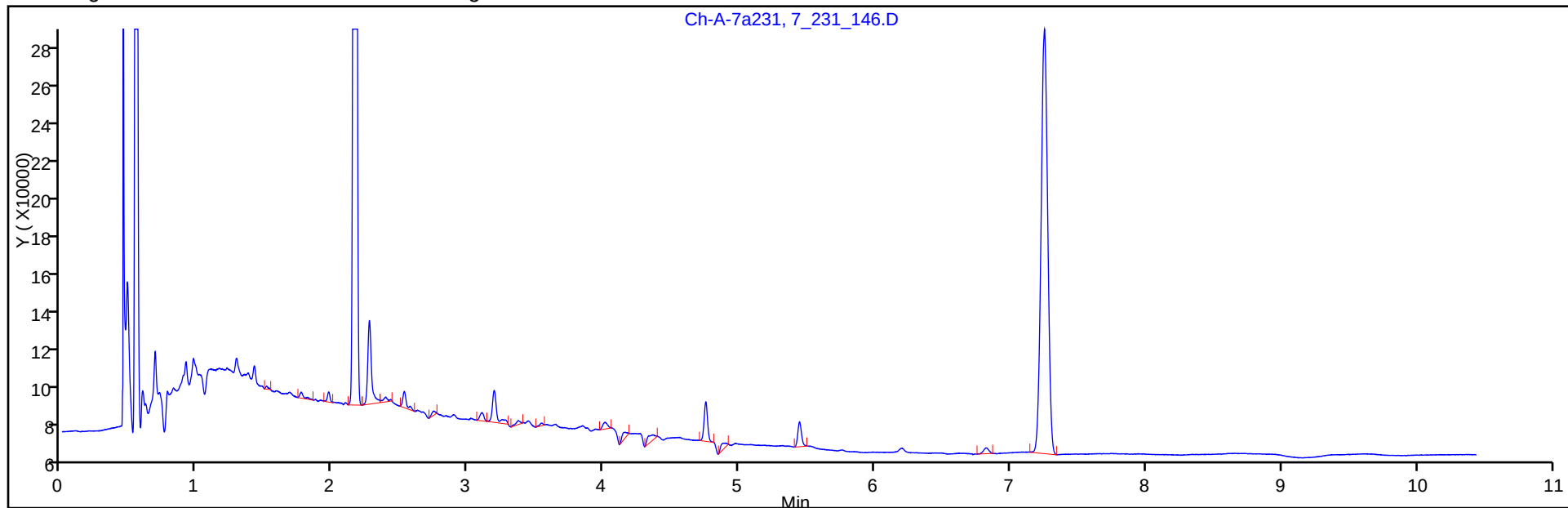
E 12 DCB Decachlorobiphenyl

1	1	7.252	7.253	0.000	751362	0.0133			
2	2	6.468	6.470	-0.002	2312875	0.0142			

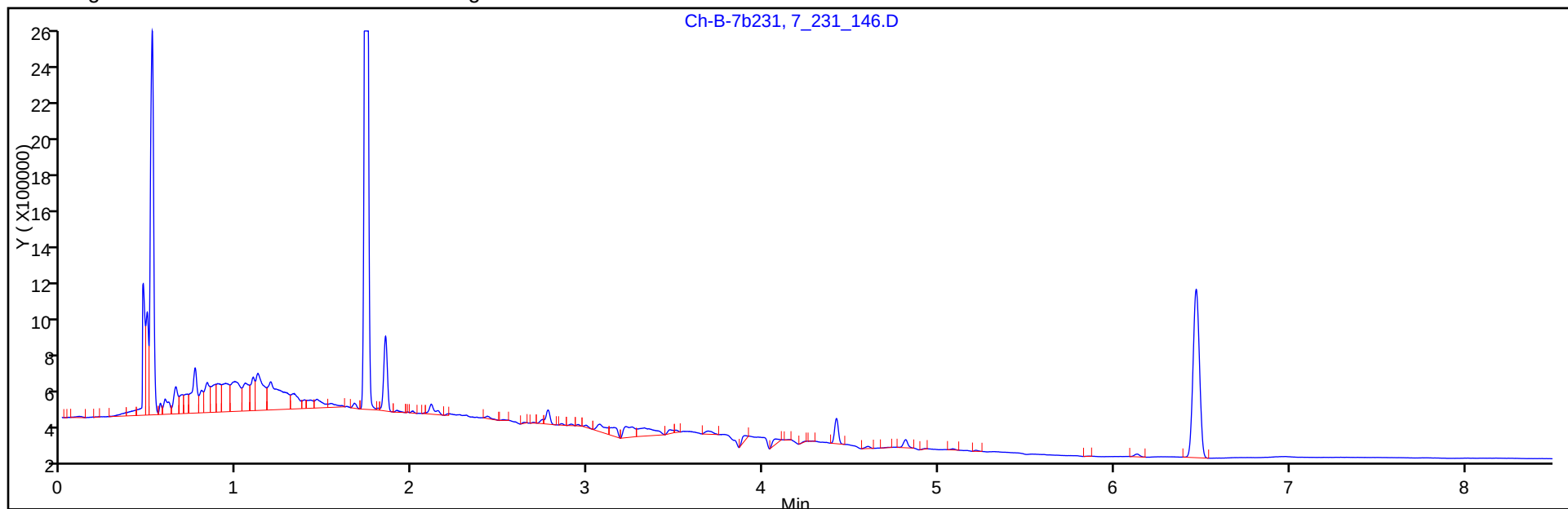
RPD = 6.56

Report Date: 30-Jul-2012 06:08:01 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_146.D
Injection Date: 30-Jul-2012 00:04:55 Limit Group: GC - 8082 PCB ICAL
Client ID: MW-4D Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 57
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-4D Lab Sample ID: 480-23098-5
Matrix: Water Lab File ID: 7_231_146.D
Analysis Method: 8082 Date Collected: 07/25/2012 14:40
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1058 (mL) Date Analyzed: 07/30/2012 00:04
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		19-120
877-09-8	Tetrachloro-m-xylene	92		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_146.D
 Lims ID: 480-23098-A-5-A Client ID: MW-4D
 Inject. Date: 30-Jul-2012 00:04:55 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 57
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:01 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.003	1952922	0.0179			
2	2	1.736	1.738	-0.002	7586797	0.0184			

RPD = 3.09

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.253	0.000	751362	0.0133			
2	2	6.468	6.470	-0.002	2312875	0.0142			

RPD = 6.56

Report Date: 30-Jul-2012 06:08:01

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_146.D

Injection Date: 30-Jul-2012 00:04:55

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-4D

Instrument ID: HP6890-7

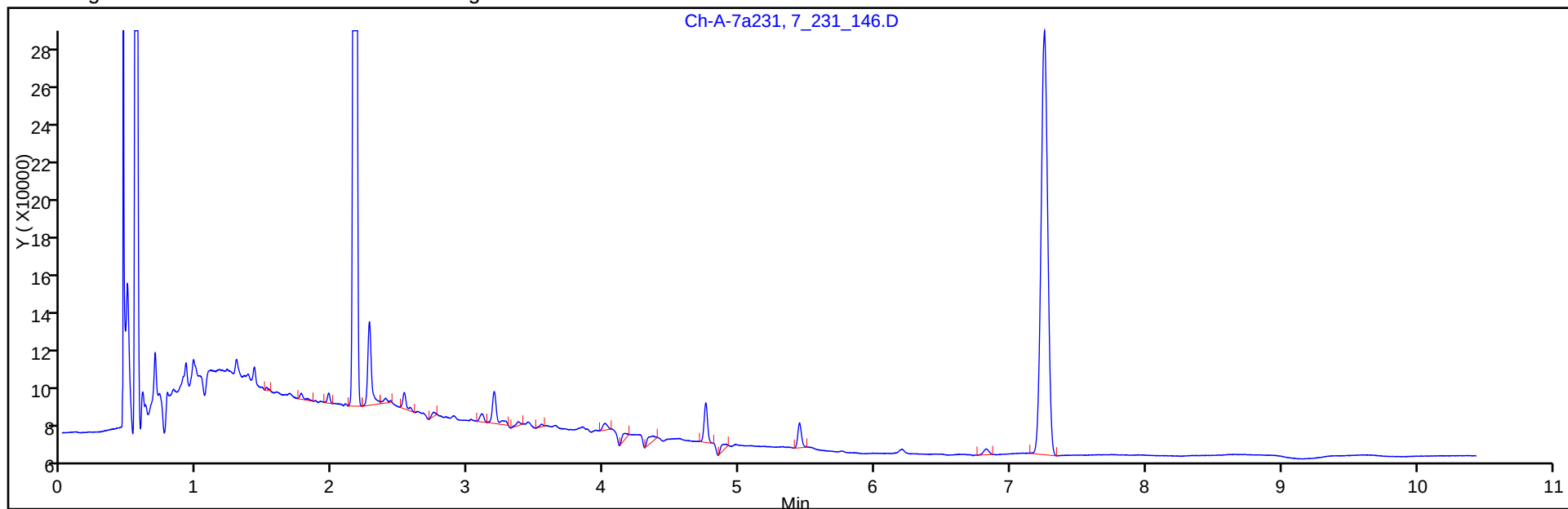
Lims Batch ID: 74328

Lims Sample ID: 57

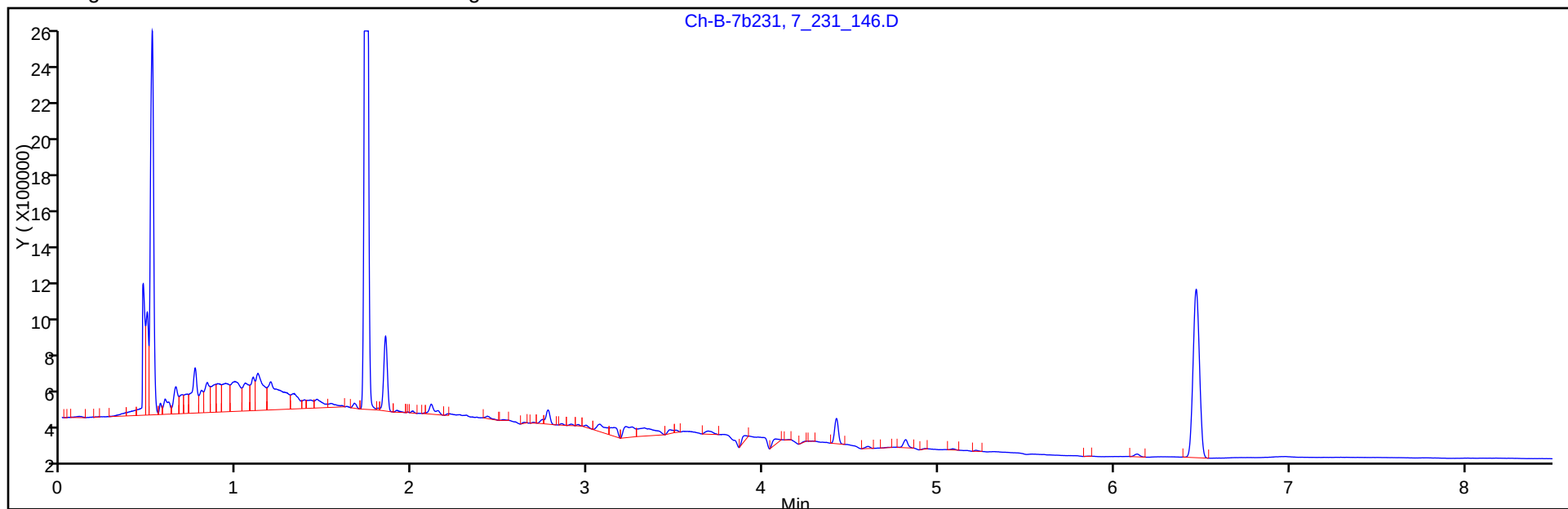
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-X Lab Sample ID: 480-23098-6
 Matrix: Water Lab File ID: 7_231_149.D
 Analysis Method: 8082 Date Collected: 07/25/2012 15:00
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1055(mL) Date Analyzed: 07/30/2012 00:52
 Con. Extract Vol.: 10(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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.47	U	0.47	0.17
11104-28-2	PCB-1221	0.47	U	0.47	0.17
11141-16-5	PCB-1232	0.47	U	0.47	0.17
53469-21-9	PCB-1242	0.47	U	0.47	0.17
12672-29-6	PCB-1248	0.47	U	0.47	0.17
11097-69-1	PCB-1254	0.47	U	0.47	0.24
11096-82-5	PCB-1260	0.47	U	0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	68		19-120
877-09-8	Tetrachloro-m-xylene	89		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_149.D
 Lims ID: 480-23098-B-6-A Client ID: MW-X
 Inject. Date: 30-Jul-2012 00:52:32 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 60
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:36 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1939241	0.0177			
2	2	1.737	1.738	-0.001	7603470	0.0185			

RPD = 4.01

E 12 DCB Decachlorobiphenyl

1	1	7.251	7.253	-0.001	764389	0.0135			
2	2	6.470	6.470	0.000	2352758	0.0144			

RPD = 6.55

Report Date: 30-Jul-2012 06:08:36

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_149.D

Injection Date: 30-Jul-2012 00:52:32

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-X

Instrument ID: HP6890-7

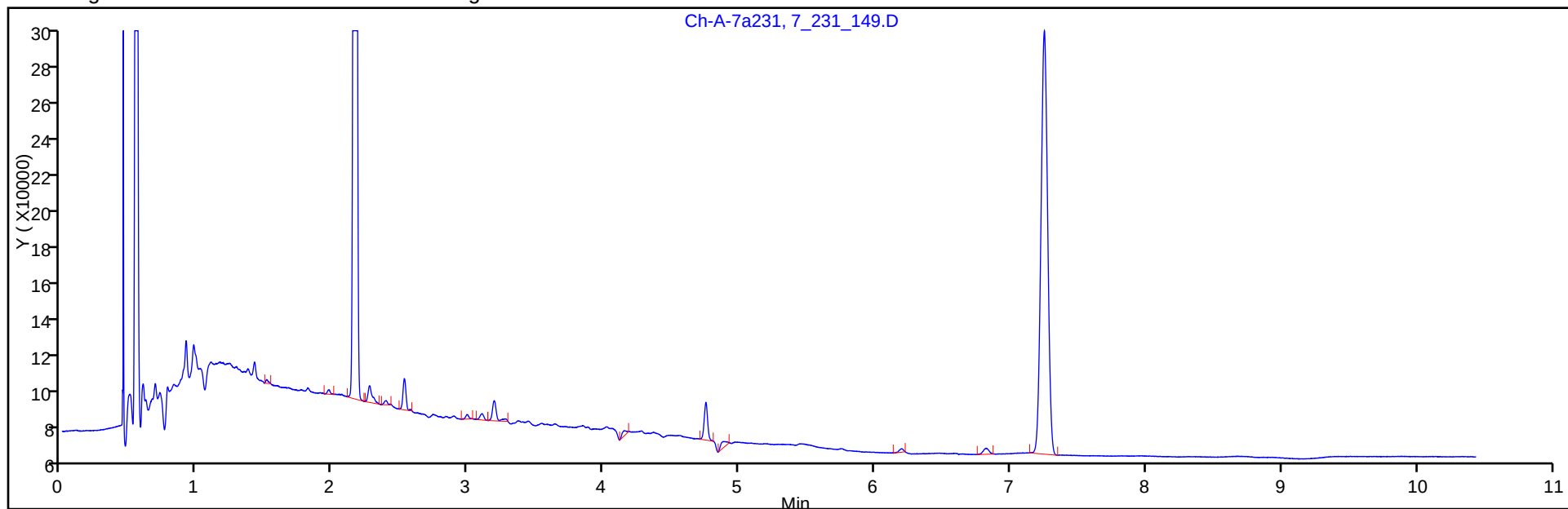
Lims Batch ID: 74328

Lims Sample ID: 60

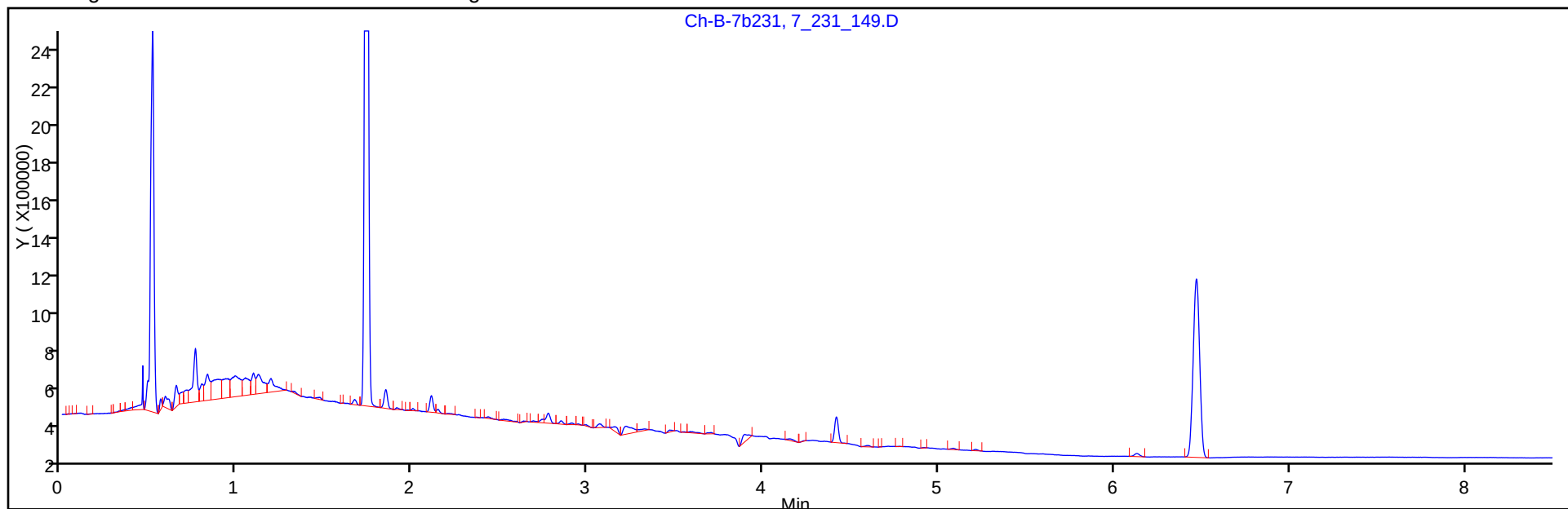
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-X Lab Sample ID: 480-23098-6
Matrix: Water Lab File ID: 7_231_149.D
Analysis Method: 8082 Date Collected: 07/25/2012 15:00
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1055(mL) Date Analyzed: 07/30/2012 00:52
Con. Extract Vol.: 10(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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		19-120
877-09-8	Tetrachloro-m-xylene	92		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_149.D
 Lims ID: 480-23098-B-6-A Client ID: MW-X
 Inject. Date: 30-Jul-2012 00:52:32 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 60
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:36 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1939241	0.0177			
2	2	1.737	1.738	-0.001	7603470	0.0185			

RPD = 4.01

E 12 DCB Decachlorobiphenyl

1	1	7.251	7.253	-0.001	764389	0.0135			
2	2	6.470	6.470	0.000	2352758	0.0144			

RPD = 6.55

Report Date: 30-Jul-2012 06:08:36

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_149.D

Injection Date: 30-Jul-2012 00:52:32

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-X

Instrument ID: HP6890-7

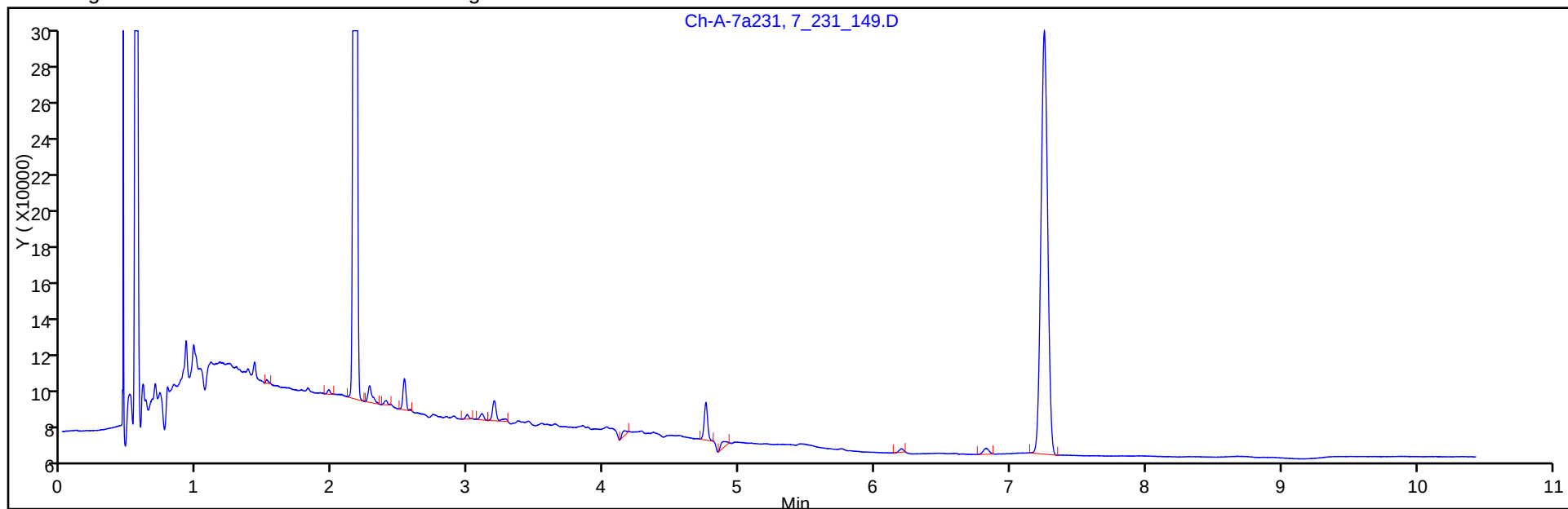
Lims Batch ID: 74328

Lims Sample ID: 60

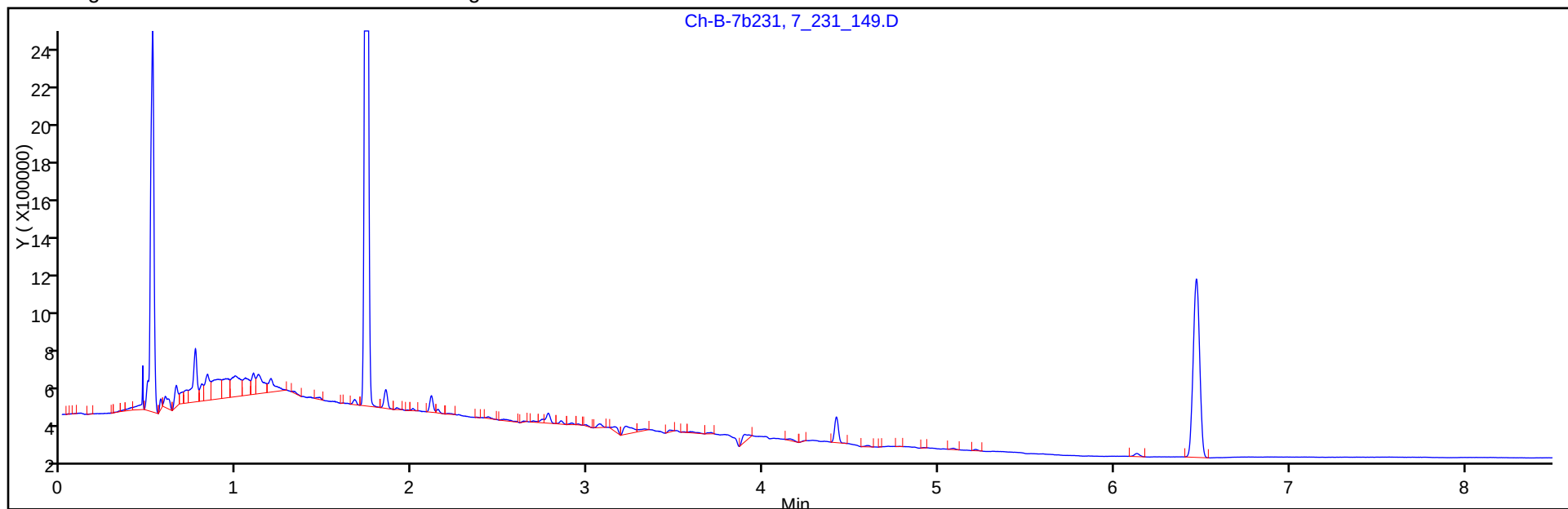
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: SOUTH PPRS Lab Sample ID: 480-23098-7
 Matrix: Water Lab File ID: 7_231_150.D
 Analysis Method: 8082 Date Collected: 07/25/2012 15:30
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1020 (mL) Date Analyzed: 07/30/2012 01:08
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.49	U	0.49	0.17
11104-28-2	PCB-1221	0.49	U	0.49	0.17
11141-16-5	PCB-1232	0.49	U	0.49	0.17
53469-21-9	PCB-1242	0.49	U	0.49	0.17
12672-29-6	PCB-1248	0.49	U	0.49	0.17
11097-69-1	PCB-1254	0.49	U	0.49	0.25
11096-82-5	PCB-1260	0.49	U	0.49	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		19-120
877-09-8	Tetrachloro-m-xylene	91		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_150.D
 Lims ID: 480-23098-A-7-A Client ID: SOUTH PPRS
 Inject. Date: 30-Jul-2012 01:08:18 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 61
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:36 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1986519	0.0182			
2	2	1.738	1.738	0.000	8240314	0.0200			

RPD = 9.64

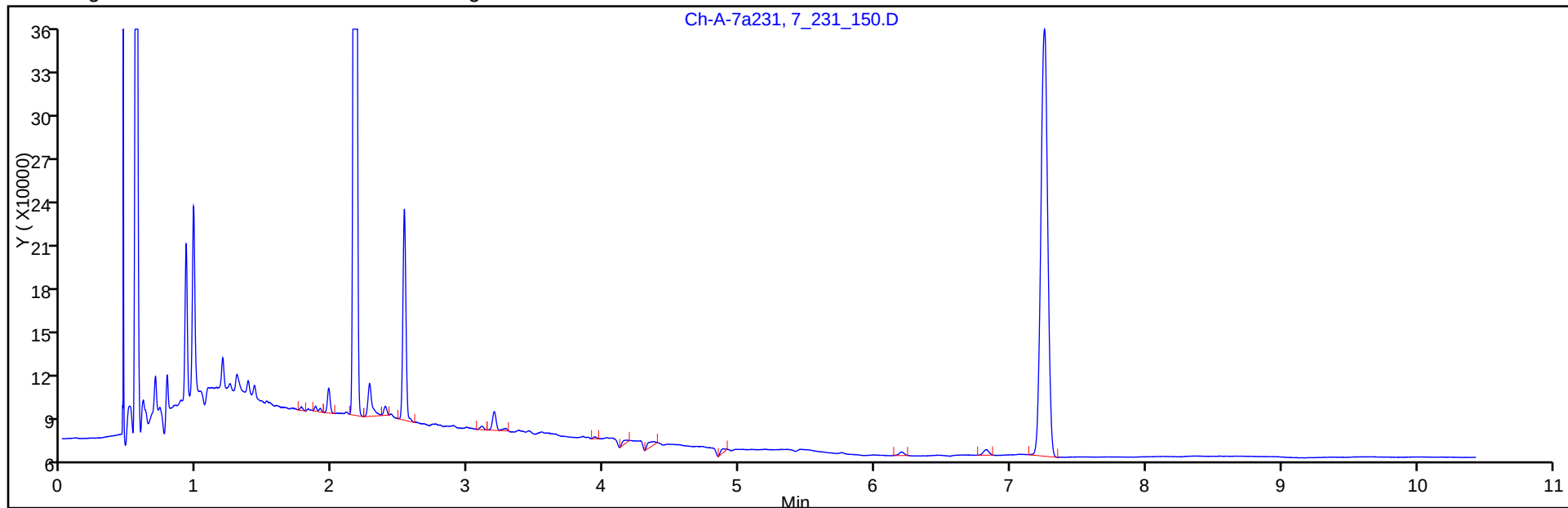
E 12 DCB Decachlorobiphenyl

1	1	7.252	7.253	0.000	1006214	0.0178			
2	2	6.468	6.470	-0.002	3061419	0.0188			

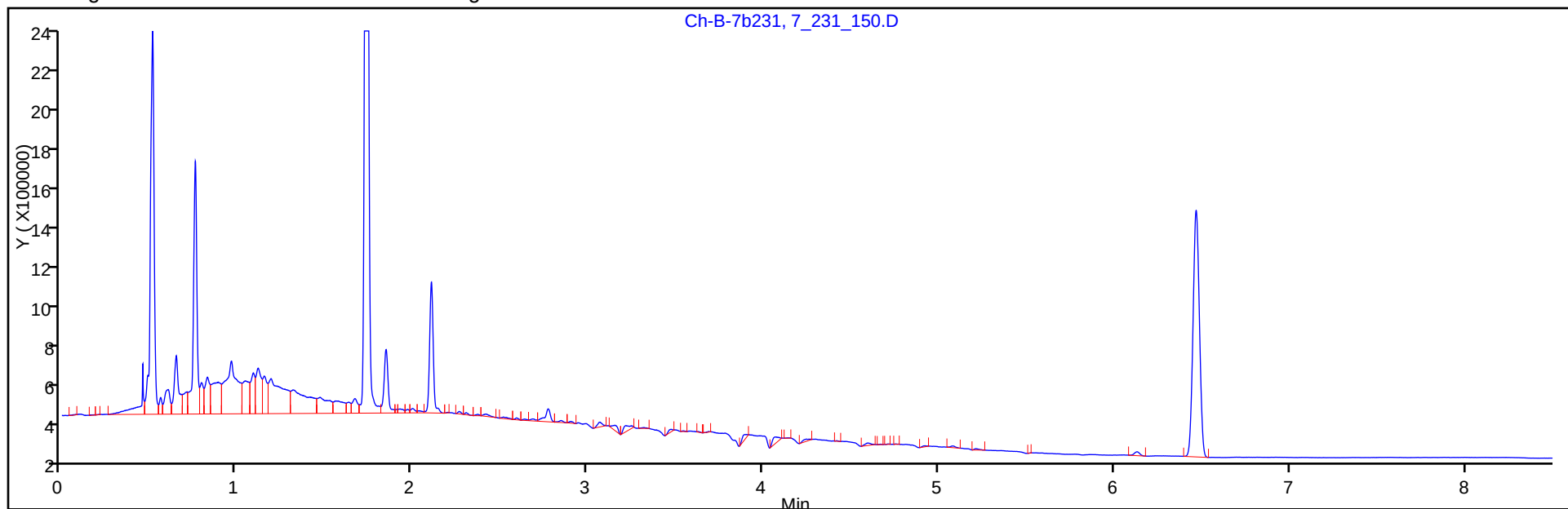
RPD = 5.39

Report Date: 30-Jul-2012 06:08:40 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_150.D
Injection Date: 30-Jul-2012 01:08:18 Limit Group: GC - 8082 PCB ICAL
Client ID: SOUTH PPRS Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 61
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: SOUTH PPRS Lab Sample ID: 480-23098-7
Matrix: Water Lab File ID: 7_231_150.D
Analysis Method: 8082 Date Collected: 07/25/2012 15:30
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1020 (mL) Date Analyzed: 07/30/2012 01:08
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	94		19-120
877-09-8	Tetrachloro-m-xylene	100		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_150.D
 Lims ID: 480-23098-A-7-A Client ID: SOUTH PPRS
 Inject. Date: 30-Jul-2012 01:08:18 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 61
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:36 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:40

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1986519	0.0182			
2	2	1.738	1.738	0.000	8240314	0.0200			

RPD = 9.64

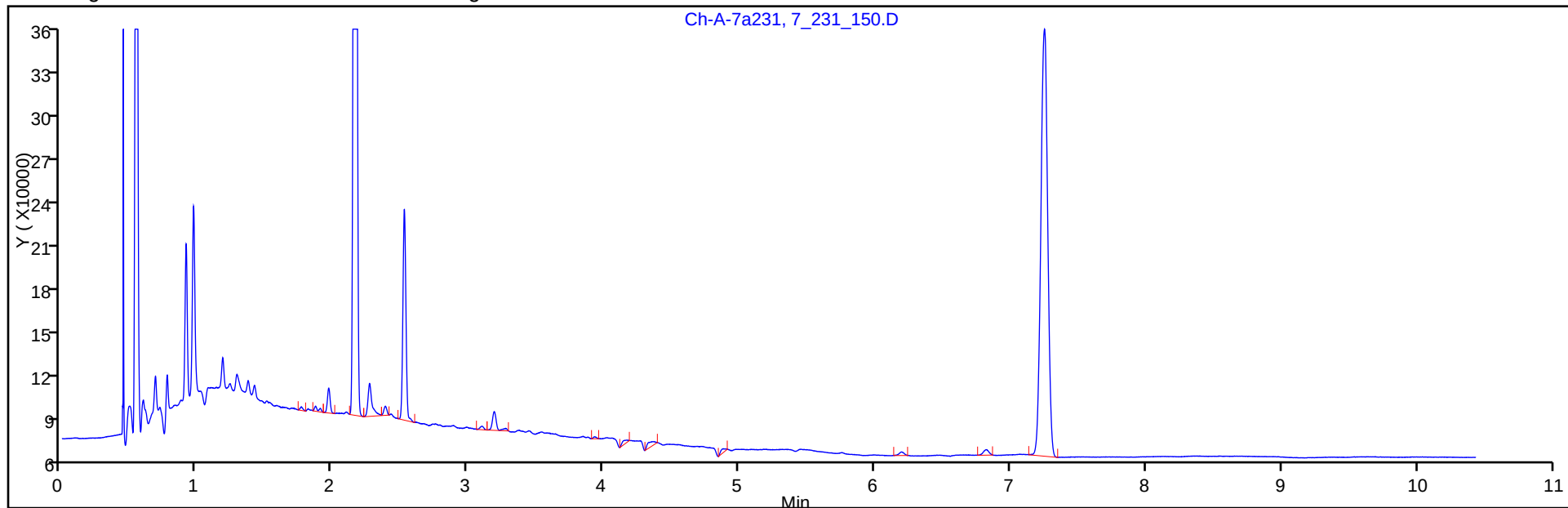
E 12 DCB Decachlorobiphenyl

1	1	7.252	7.253	0.000	1006214	0.0178			
2	2	6.468	6.470	-0.002	3061419	0.0188			

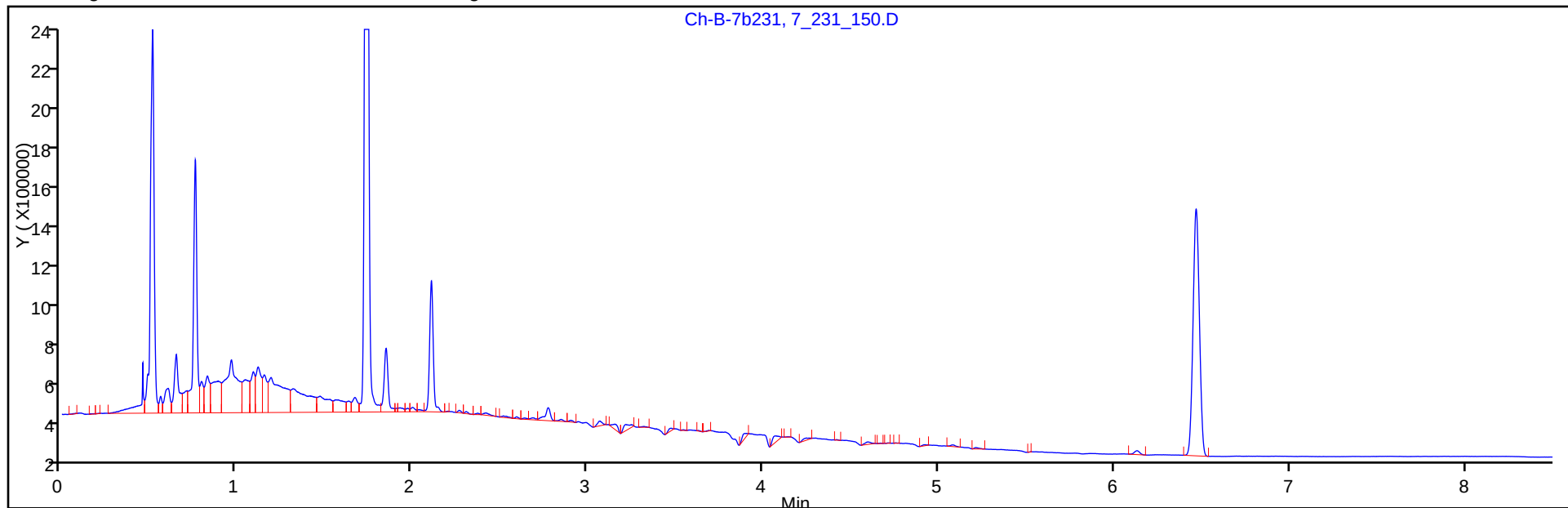
RPD = 5.39

Report Date: 30-Jul-2012 06:08:40 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_150.D
Injection Date: 30-Jul-2012 01:08:18 Limit Group: GC - 8082 PCB ICAL
Client ID: SOUTH PPRS Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 61
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: LEACHATE Lab Sample ID: 480-23098-8
 Matrix: Water Lab File ID: 7_231_151.D
 Analysis Method: 8082 Date Collected: 07/25/2012 15:40
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1060 (mL) Date Analyzed: 07/30/2012 01:24
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.47	U	0.47	0.17
11104-28-2	PCB-1221	0.47	U	0.47	0.17
11141-16-5	PCB-1232	0.47	U	0.47	0.17
53469-21-9	PCB-1242	0.47	U	0.47	0.17
12672-29-6	PCB-1248	0.47	U	0.47	0.17
11097-69-1	PCB-1254	0.47	U	0.47	0.24
11096-82-5	PCB-1260	0.47	U	0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		19-120
877-09-8	Tetrachloro-m-xylene	111		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_151.D
 Lims ID: 480-23098-A-8-A Client ID: LEACHATE
 Inject. Date: 30-Jul-2012 01:24:11 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 62
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:47 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	2431192	0.0222			
2	2	1.738	1.738	0.000	9375906	0.0228			

RPD = 2.35

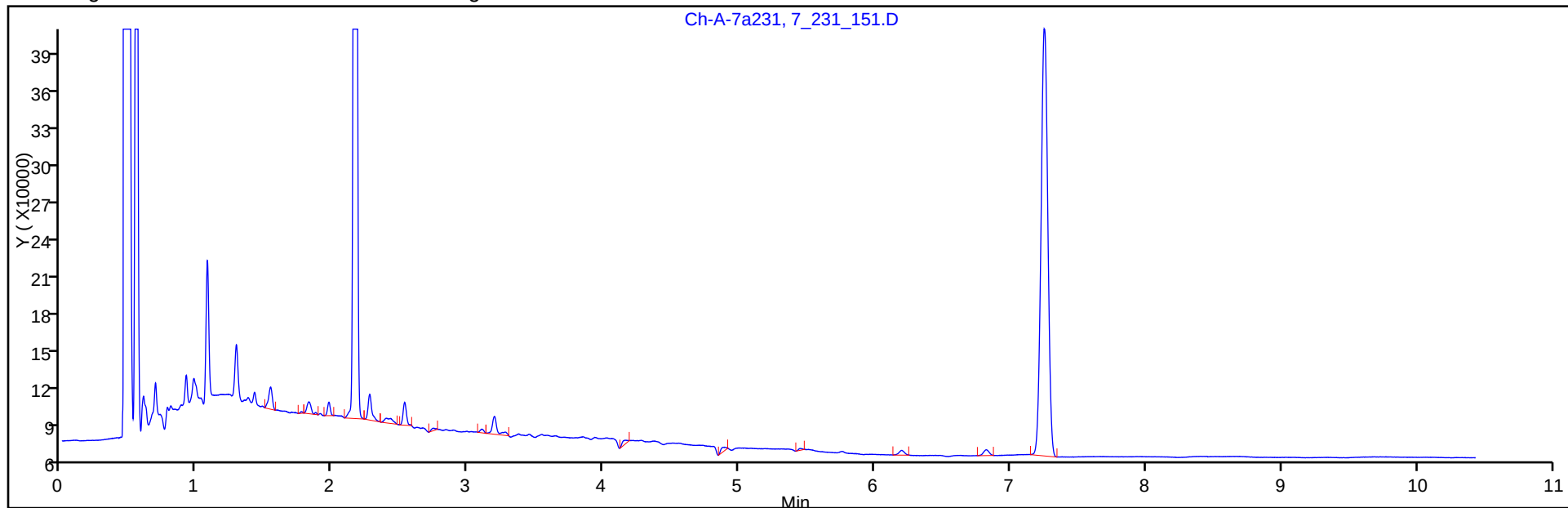
E 12 DCB Decachlorobiphenyl

1	1	7.248	7.253	-0.004	1162663	0.0205			
2	2	6.470	6.470	0.000	3573299	0.0219			

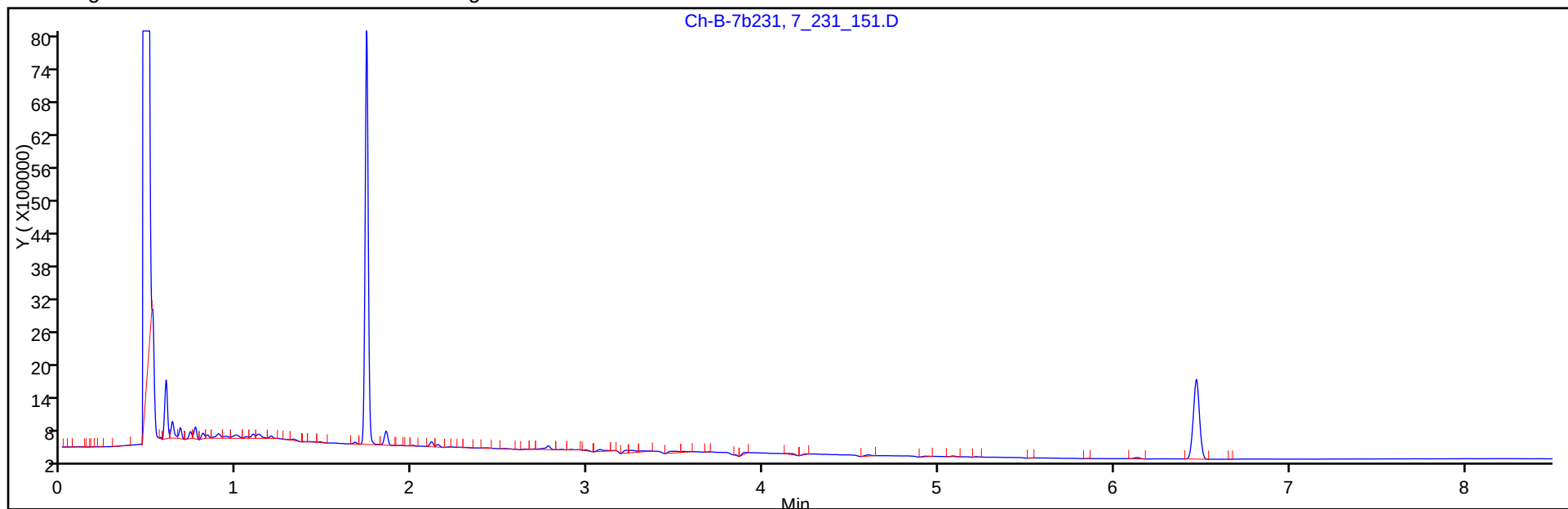
RPD = 6.40

Report Date: 30-Jul-2012 06:08:47 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_151.D
Injection Date: 30-Jul-2012 01:24:11 Limit Group: GC - 8082 PCB ICAL
Client ID: LEACHATE Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 62
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: LEACHATE Lab Sample ID: 480-23098-8
Matrix: Water Lab File ID: 7_231_151.D
Analysis Method: 8082 Date Collected: 07/25/2012 15:40
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1060 (mL) Date Analyzed: 07/30/2012 01:24
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		19-120
877-09-8	Tetrachloro-m-xylene	114		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_151.D
 Lims ID: 480-23098-A-8-A Client ID: LEACHATE
 Inject. Date: 30-Jul-2012 01:24:11 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 62
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:47 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	2431192	0.0222			
2	2	1.738	1.738	0.000	9375906	0.0228			

RPD = 2.35

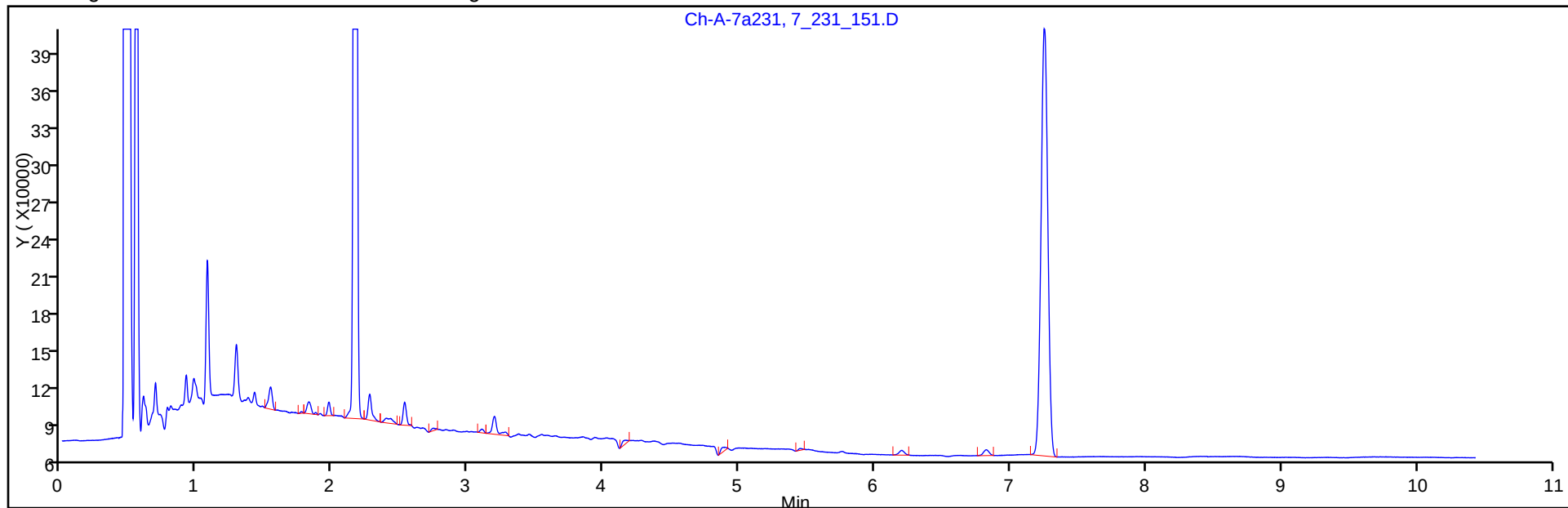
E 12 DCB Decachlorobiphenyl

1	1	7.248	7.253	-0.004	1162663	0.0205			
2	2	6.470	6.470	0.000	3573299	0.0219			

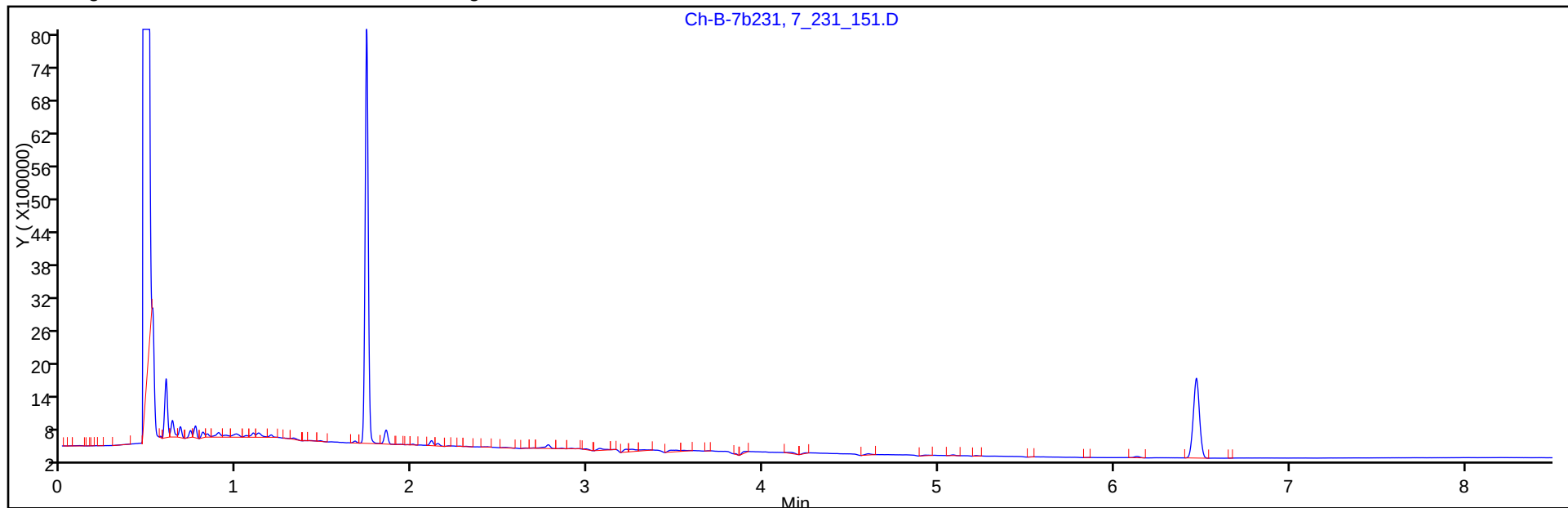
RPD = 6.40

Report Date: 30-Jul-2012 06:08:47 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_151.D
Injection Date: 30-Jul-2012 01:24:11 Limit Group: GC - 8082 PCB ICAL
Client ID: LEACHATE Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 62
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-3S Lab Sample ID: 480-23140-1
 Matrix: Water Lab File ID: 7_232_057.D
 Analysis Method: 8082 Date Collected: 07/26/2012 08:30
 Extraction Method: 3510C Date Extracted: 07/31/2012 08:24
 Sample wt/vol: 550 (mL) Date Analyzed: 08/01/2012 10:48
 Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.91	U	0.91	0.32
11104-28-2	PCB-1221	0.91	U	0.91	0.32
11141-16-5	PCB-1232	0.91	U	0.91	0.32
53469-21-9	PCB-1242	0.91	U	0.91	0.32
12672-29-6	PCB-1248	0.91	U	0.91	0.32
11097-69-1	PCB-1254	0.91	U	0.91	0.45
11096-82-5	PCB-1260	0.91	U	0.91	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	78		19-120
877-09-8	Tetrachloro-m-xylene	78		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_057.D
 Lims ID: 480-23140-A-1-A Client ID: MW-3S
 Inject. Date: 01-Aug-2012 10:48:56 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 17
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 10:59:30 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 10:59:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.164	0.000	1698901	0.0155			
2	2	1.737	1.738	-0.001	6481198	0.0157			

RPD = 1.27

4 PCB-1242

1	1	2.747	2.743	0.005	8778	0.002880		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.102	3.098	0.004	18781	0.003040	172.7- 232.7	214.0	
1	4	3.189	3.183	0.006	20980	0.009146	45.3- 105.3	239.0	
		Average of Peak Amounts =				0.005022			
2	5	2.433	2.428	0.004	21838	0.002031		100.0	
2	6	2.741	2.738	0.003	118702	0.005496	170.9- 230.9	543.6	
2	7	2.852	2.848	0.004	67395	0.008131	47.1- 107.1	308.6	
2	8	2.943	2.940	0.002	100179	0.0180	21.9- 81.9	458.7	
		Average of Peak Amounts =				0.008403			

RPD = 50.37

E 12 DCB Decachlorobiphenyl

1	1	7.253	7.248	0.004	880022	0.0155			
2	2	6.470	6.468	0.002	2789777	0.0171			

RPD = 9.49

Report Date: 01-Aug-2012 10:59:30

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_057.D

Injection Date: 01-Aug-2012 10:48:56

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-3S

Instrument ID: HP6890-7

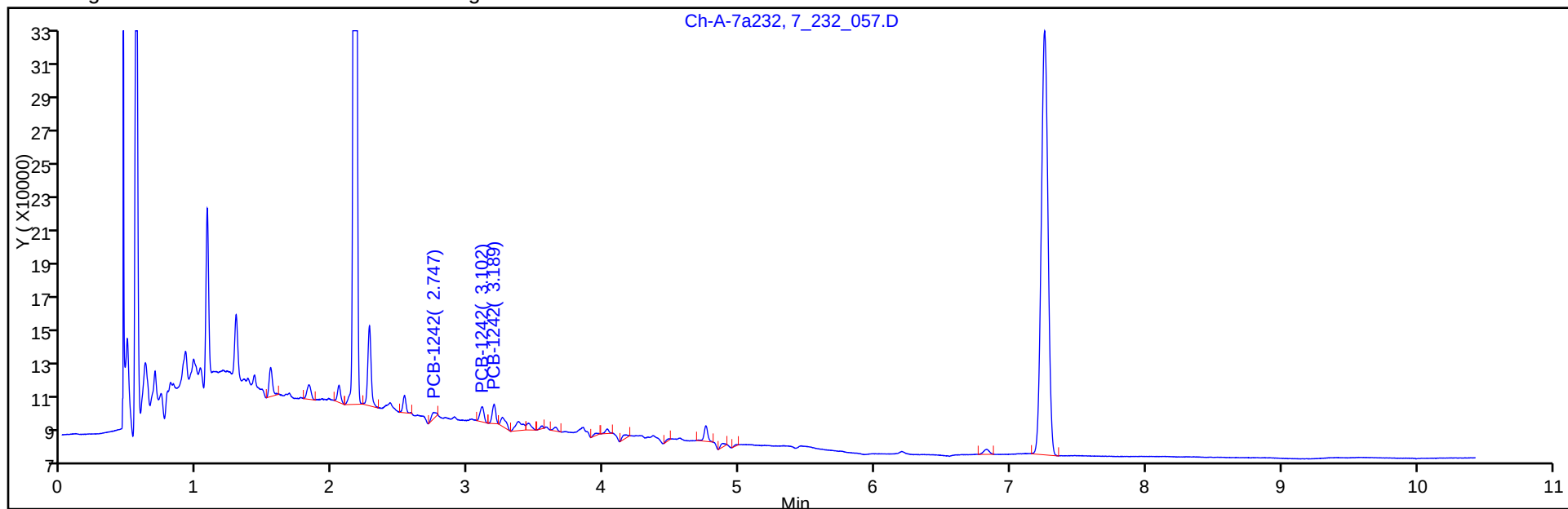
Lims Batch ID: 74672

Lims Sample ID: 17

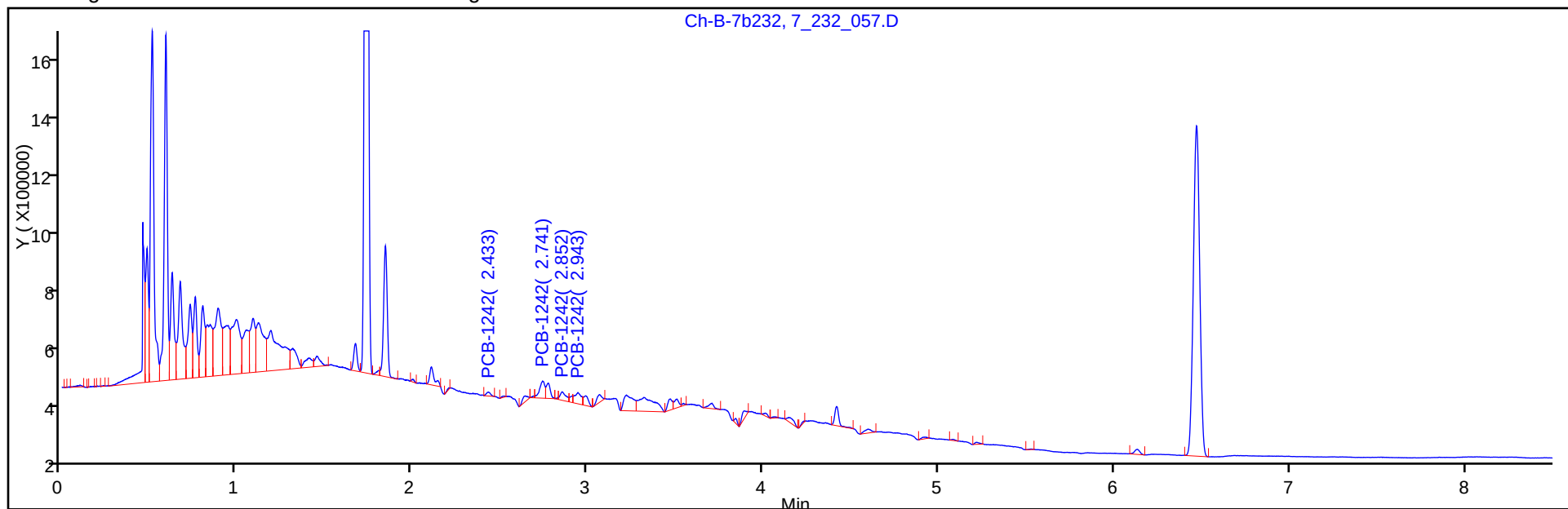
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-3S Lab Sample ID: 480-23140-1
Matrix: Water Lab File ID: 7_232_057.D
Analysis Method: 8082 Date Collected: 07/26/2012 08:30
Extraction Method: 3510C Date Extracted: 07/31/2012 08:24
Sample wt/vol: 550 (mL) Date Analyzed: 08/01/2012 10:48
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		19-120
877-09-8	Tetrachloro-m-xylene	79		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_057.D
 Lims ID: 480-23140-A-1-A Client ID: MW-3S
 Inject. Date: 01-Aug-2012 10:48:56 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 17
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 10:59:30 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 10:59:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.164	0.000	1698901	0.0155			
2	2	1.737	1.738	-0.001	6481198	0.0157			

RPD = 1.27

4 PCB-1242

1	1	2.747	2.743	0.005	8778	0.002880		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.102	3.098	0.004	18781	0.003040	172.7- 232.7	214.0	
1	4	3.189	3.183	0.006	20980	0.009146	45.3- 105.3	239.0	
Average of Peak Amounts =						0.005022			
2	5	2.433	2.428	0.004	21838	0.002031		100.0	
2	6	2.741	2.738	0.003	118702	0.005496	170.9- 230.9	543.6	
2	7	2.852	2.848	0.004	67395	0.008131	47.1- 107.1	308.6	
2	8	2.943	2.940	0.002	100179	0.0180	21.9- 81.9	458.7	
Average of Peak Amounts =						0.008403			

RPD = 50.37

E 12 DCB Decachlorobiphenyl

1	1	7.253	7.248	0.004	880022	0.0155			
2	2	6.470	6.468	0.002	2789777	0.0171			

RPD = 9.49

Report Date: 01-Aug-2012 10:59:30

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_057.D

Injection Date: 01-Aug-2012 10:48:56

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-3S

Instrument ID: HP6890-7

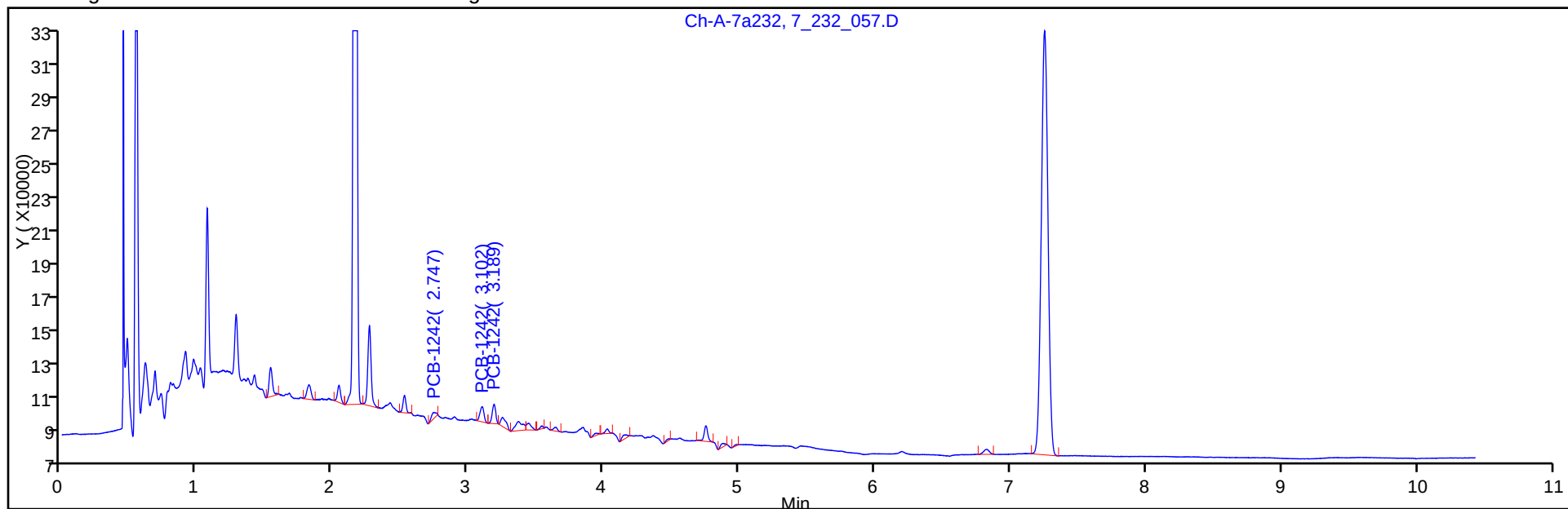
Lims Batch ID: 74672

Lims Sample ID: 17

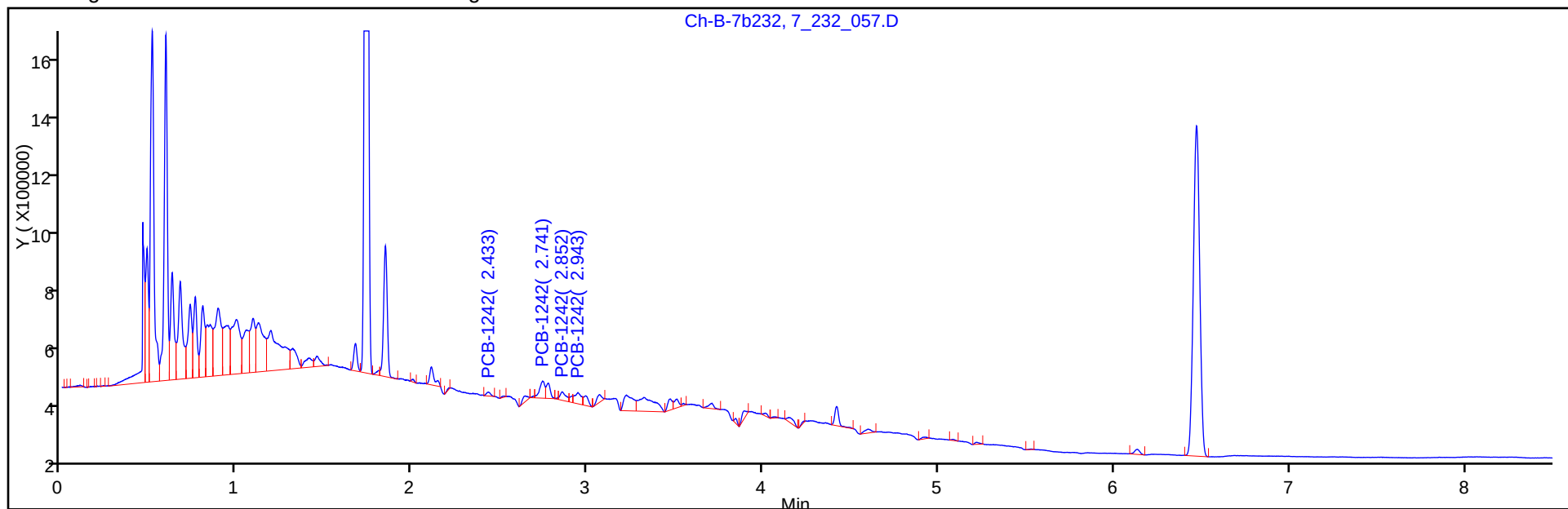
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-3D Lab Sample ID: 480-23140-2
 Matrix: Water Lab File ID: 7_232_058.D
 Analysis Method: 8082 Date Collected: 07/26/2012 08:20
 Extraction Method: 3510C Date Extracted: 07/31/2012 08:24
 Sample wt/vol: 430 (mL) Date Analyzed: 08/01/2012 11:04
 Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	1.2	U	1.2	0.41
11104-28-2	PCB-1221	1.2	U	1.2	0.41
11141-16-5	PCB-1232	1.2	U	1.2	0.41
53469-21-9	PCB-1242	1.2	U	1.2	0.41
12672-29-6	PCB-1248	1.2	U	1.2	0.41
11097-69-1	PCB-1254	1.2	U	1.2	0.58
11096-82-5	PCB-1260	1.2	U	1.2	0.58

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	71		19-120
877-09-8	Tetrachloro-m-xylene	91		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_058.D
 Lims ID: 480-23140-A-2-A Client ID: MW-3D
 Inject. Date: 01-Aug-2012 11:04:50 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 18
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 11:29:34 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 11:29:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.164	0.000	3980904	0.0364			
2	2	1.737	1.738	-0.001	14324721	0.0348			

RPD = 4.57

4 PCB-1242

1	1	2.760	2.743	0.018	18886	0.006197		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.100	3.098	0.002	15721	0.002545	172.7- 232.7	83.2	
1	4	3.189	3.183	0.006	39046	0.0170	45.3- 105.3	206.7	
Average of Peak Amounts =						0.008588			
2	5	2.418	2.428	-0.010	57476	0.005346		100.0	
2	6	2.745	2.738	0.007	80007	0.003704	170.9- 230.9	139.2	
2	7	2.854	2.848	0.006	38877	0.004691	47.1- 107.1	67.6	
2	8	2.942	2.940	0.002	47720	0.008553	21.9- 81.9	83.0	
Average of Peak Amounts =						0.005574			

RPD = 42.57

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.248	0.000	1610932	0.0285			
2	2	6.470	6.468	0.002	4998960	0.0306			

RPD = 7.36

Report Date: 01-Aug-2012 11:29:34

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_058.D

Injection Date: 01-Aug-2012 11:04:50

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-3D

Instrument ID: HP6890-7

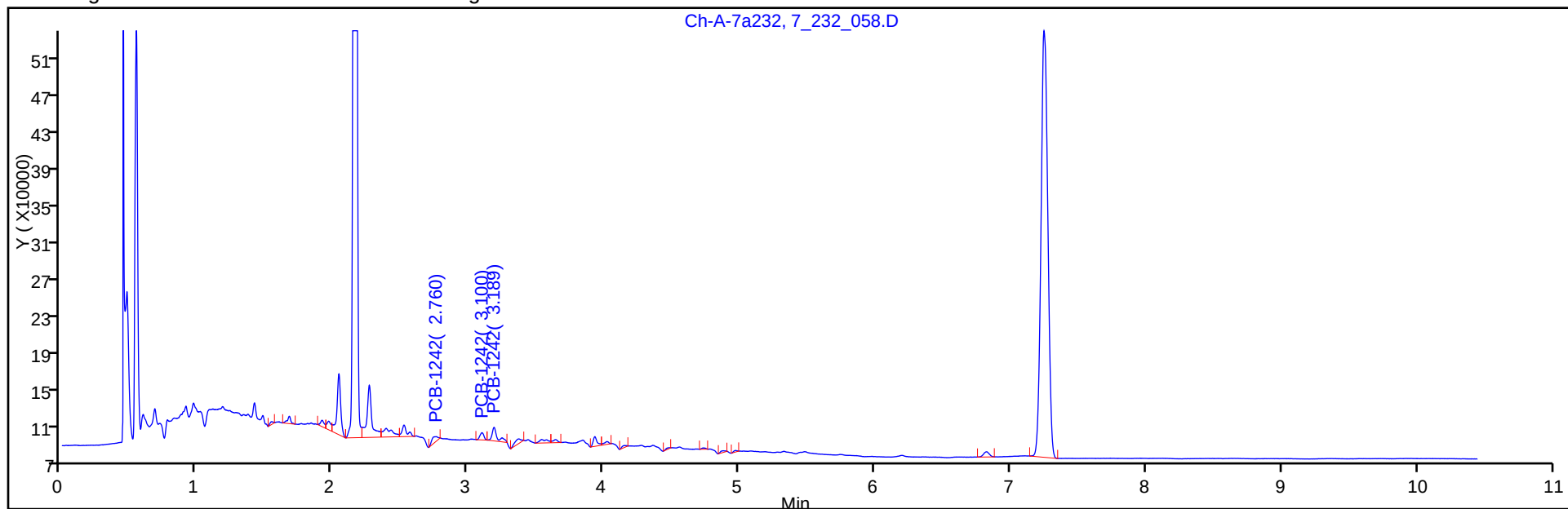
Lims Batch ID: 74672

Lims Sample ID: 18

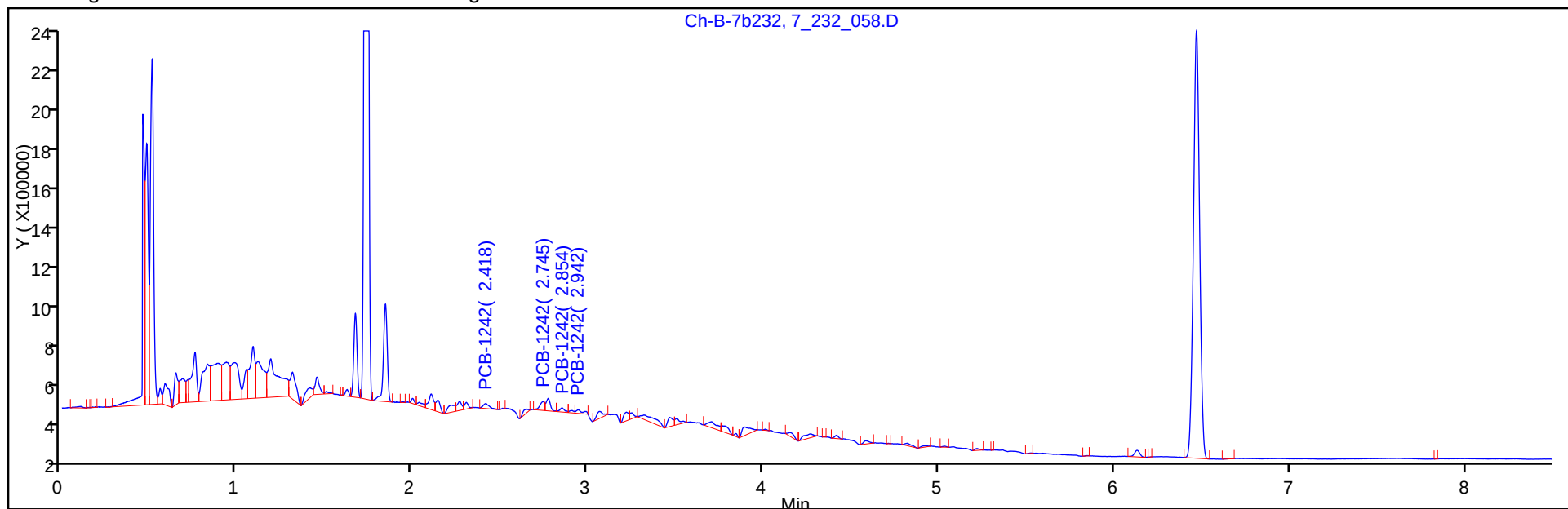
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-3D Lab Sample ID: 480-23140-2
Matrix: Water Lab File ID: 7_232_058.D
Analysis Method: 8082 Date Collected: 07/26/2012 08:20
Extraction Method: 3510C Date Extracted: 07/31/2012 08:24
Sample wt/vol: 430 (mL) Date Analyzed: 08/01/2012 11:04
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	77		19-120
877-09-8	Tetrachloro-m-xylene	87		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_058.D
 Lims ID: 480-23140-A-2-A Client ID: MW-3D
 Inject. Date: 01-Aug-2012 11:04:50 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 18
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 11:29:34 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 11:29:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.164	0.000	3980904	0.0364			
2	2	1.737	1.738	-0.001	14324721	0.0348			

RPD = 4.57

4 PCB-1242

1	1	2.760	2.743	0.018	18886	0.006197		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.100	3.098	0.002	15721	0.002545	172.7- 232.7	83.2	
1	4	3.189	3.183	0.006	39046	0.0170	45.3- 105.3	206.7	
Average of Peak Amounts =						0.008588			
2	5	2.418	2.428	-0.010	57476	0.005346		100.0	
2	6	2.745	2.738	0.007	80007	0.003704	170.9- 230.9	139.2	
2	7	2.854	2.848	0.006	38877	0.004691	47.1- 107.1	67.6	
2	8	2.942	2.940	0.002	47720	0.008553	21.9- 81.9	83.0	
Average of Peak Amounts =						0.005574			

RPD = 42.57

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.248	0.000	1610932	0.0285			
2	2	6.470	6.468	0.002	4998960	0.0306			

RPD = 7.36

Report Date: 01-Aug-2012 11:29:34

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_058.D

Injection Date: 01-Aug-2012 11:04:50

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-3D

Instrument ID: HP6890-7

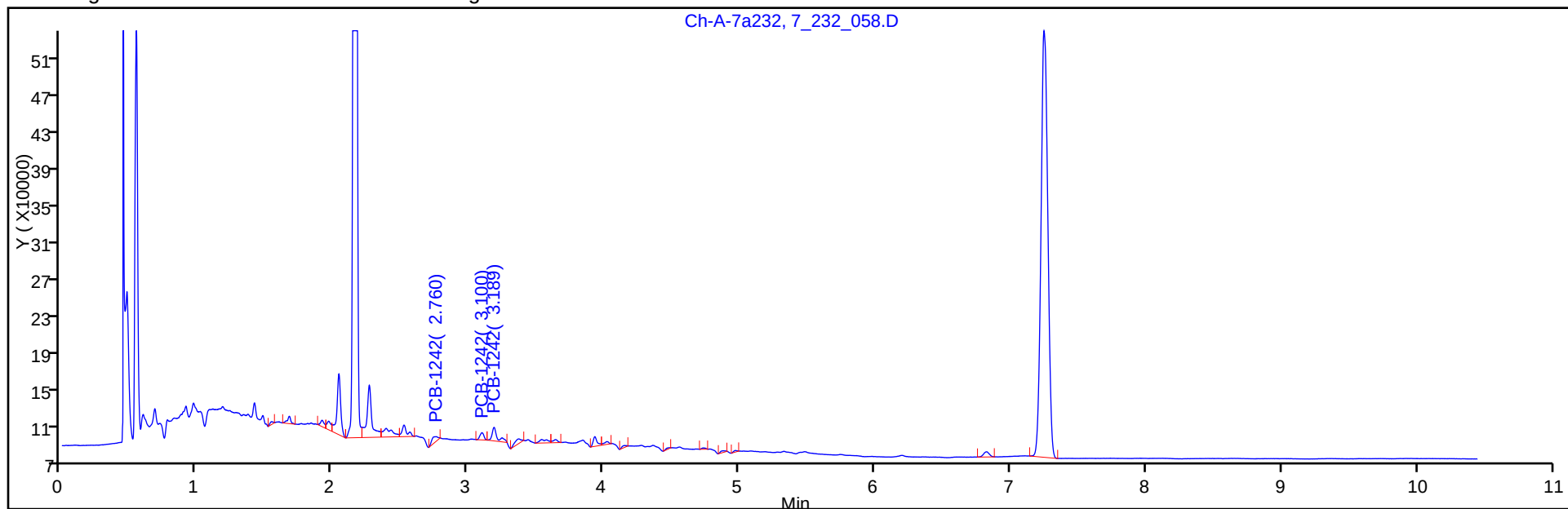
Lims Batch ID: 74672

Lims Sample ID: 18

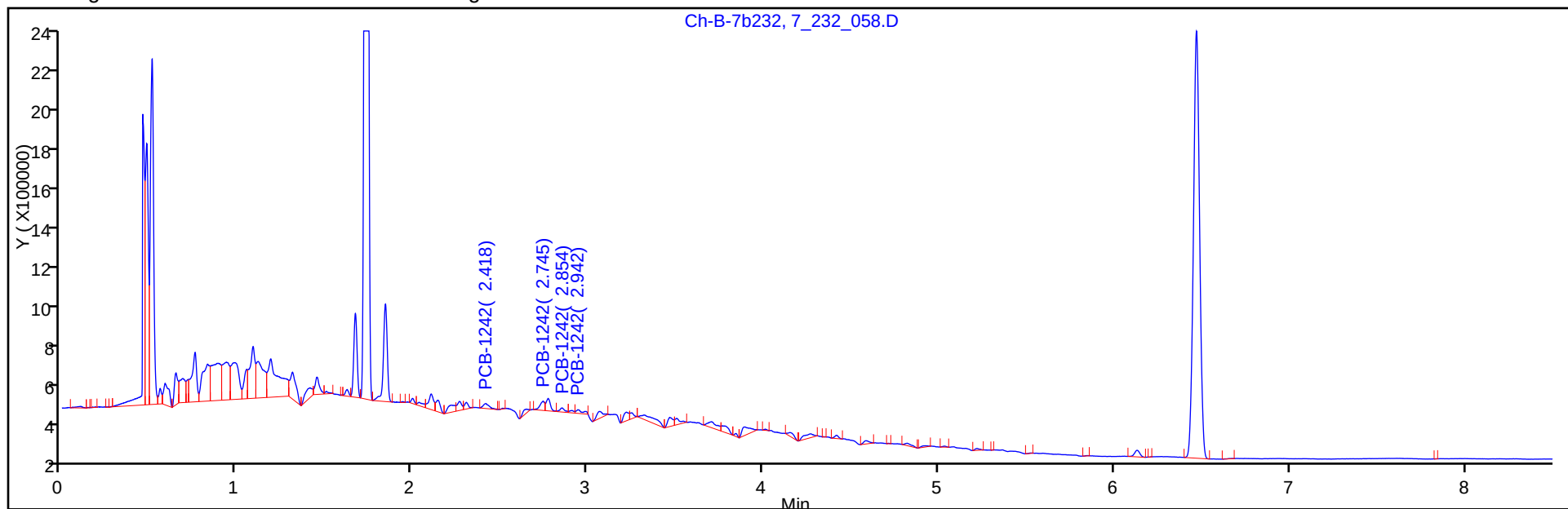
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-4S Lab Sample ID: 480-23140-3
 Matrix: Water Lab File ID: 7_232_059.D
 Analysis Method: 8082 Date Collected: 07/26/2012 08:25
 Extraction Method: 3510C Date Extracted: 07/31/2012 08:24
 Sample wt/vol: 1059(mL) Date Analyzed: 08/01/2012 11:20
 Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.47	U	0.47	0.17
11104-28-2	PCB-1221	0.47	U	0.47	0.17
11141-16-5	PCB-1232	0.47	U	0.47	0.17
53469-21-9	PCB-1242	0.47	U	0.47	0.17
12672-29-6	PCB-1248	0.47	U	0.47	0.17
11097-69-1	PCB-1254	0.47	U	0.47	0.24
11096-82-5	PCB-1260	0.47	U	0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	65		19-120
877-09-8	Tetrachloro-m-xylene	83		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_059.D
 Lims ID: 480-23140-B-3-A Client ID: MW-4S
 Inject. Date: 01-Aug-2012 11:20:38 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 19
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 11:33:26 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 11:33:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.164	-0.001	1824733	0.0167			
2	2	1.737	1.738	-0.001	7069940	0.0172			

RPD = 2.82

4 PCB-1242

1	1	2.734	2.743	-0.008	6700	0.002199		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.103	3.098	0.004	12185	0.001972	172.7- 232.7	181.9	
1	4	3.188	3.183	0.005	5956	0.002596	45.3- 105.3	88.9	
		Average of Peak Amounts =				0.002256			
2	5	0.0	2.428	-2.428	0	0		100.0	
2	6	2.743	2.738	0.005	58357	0.002702	170.9- 230.9		
2	7	2.851	2.848	0.003	15219	0.001836	47.1- 107.1		
2	8	2.943	2.940	0.003	17489	0.003134	21.9- 81.9		
		Average of Peak Amounts =				0.002558			

RPD = 12.54

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.248	0.004	741447	0.0131			
2	2	6.470	6.468	0.002	2354563	0.0144			

RPD = 9.67

Report Date: 01-Aug-2012 11:33:26

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_059.D

Injection Date: 01-Aug-2012 11:20:38

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-4S

Instrument ID: HP6890-7

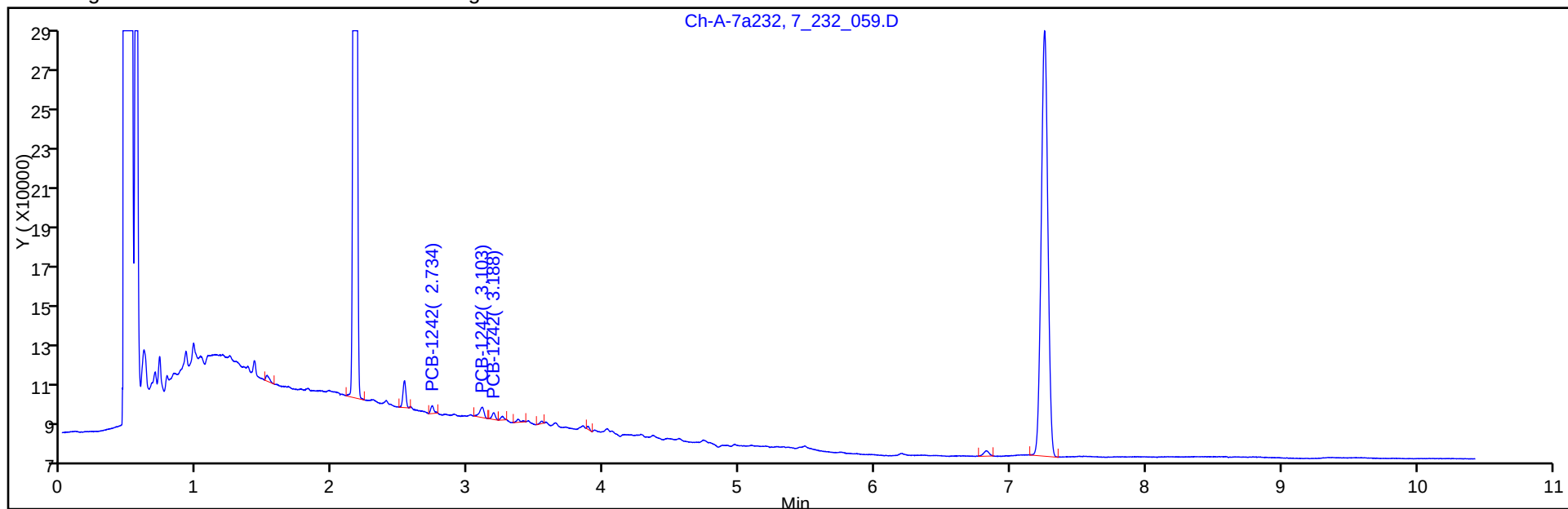
Lims Batch ID: 74672

Lims Sample ID: 19

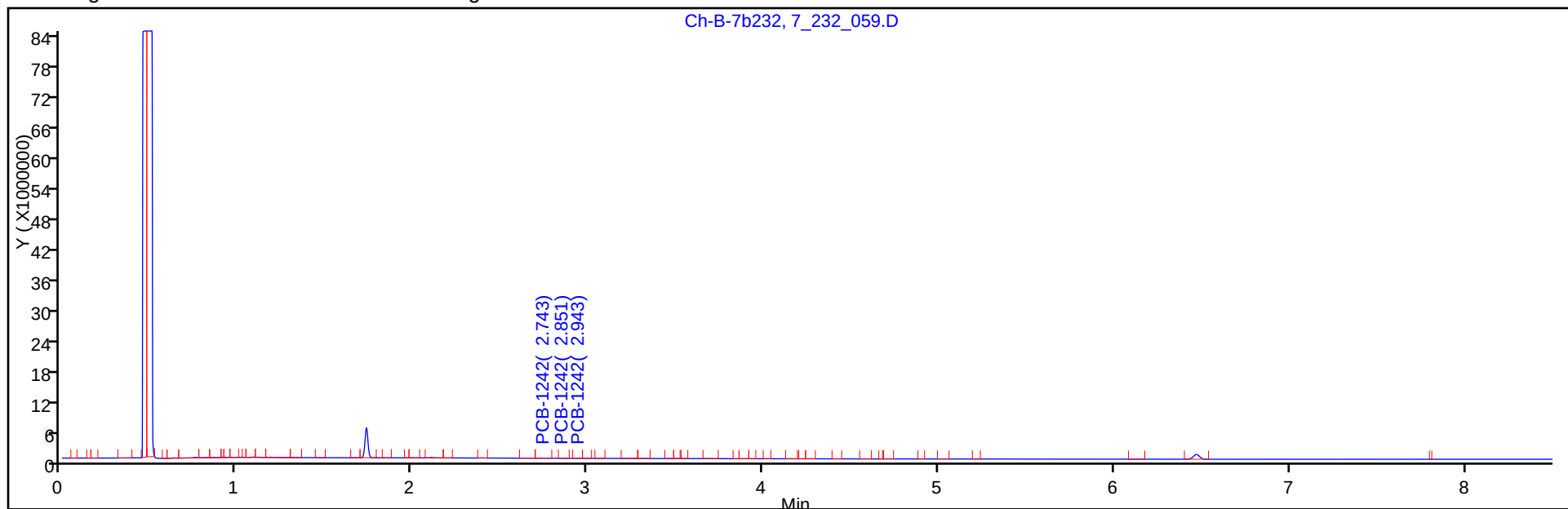
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-4S Lab Sample ID: 480-23140-3
Matrix: Water Lab File ID: 7_232_059.D
Analysis Method: 8082 Date Collected: 07/26/2012 08:25
Extraction Method: 3510C Date Extracted: 07/31/2012 08:24
Sample wt/vol: 1059(mL) Date Analyzed: 08/01/2012 11:20
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	72		19-120
877-09-8	Tetrachloro-m-xylene	86		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_059.D
 Lims ID: 480-23140-B-3-A Client ID: MW-4S
 Inject. Date: 01-Aug-2012 11:20:38 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 19
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 11:33:26 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 11:33:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.164	-0.001	1824733	0.0167			
2	2	1.737	1.738	-0.001	7069940	0.0172			

RPD = 2.82

4 PCB-1242

1	1	2.734	2.743	-0.008	6700	0.002199		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.103	3.098	0.004	12185	0.001972	172.7- 232.7	181.9	
1	4	3.188	3.183	0.005	5956	0.002596	45.3- 105.3	88.9	
		Average of Peak Amounts =				0.002256			
2	5	0.0	2.428	-2.428	0	0		100.0	
2	6	2.743	2.738	0.005	58357	0.002702	170.9- 230.9		
2	7	2.851	2.848	0.003	15219	0.001836	47.1- 107.1		
2	8	2.943	2.940	0.003	17489	0.003134	21.9- 81.9		
		Average of Peak Amounts =				0.002558			

RPD = 12.54

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.248	0.004	741447	0.0131			
2	2	6.470	6.468	0.002	2354563	0.0144			

RPD = 9.67

Report Date: 01-Aug-2012 11:33:27

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_059.D

Injection Date: 01-Aug-2012 11:20:38

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-4S

Instrument ID: HP6890-7

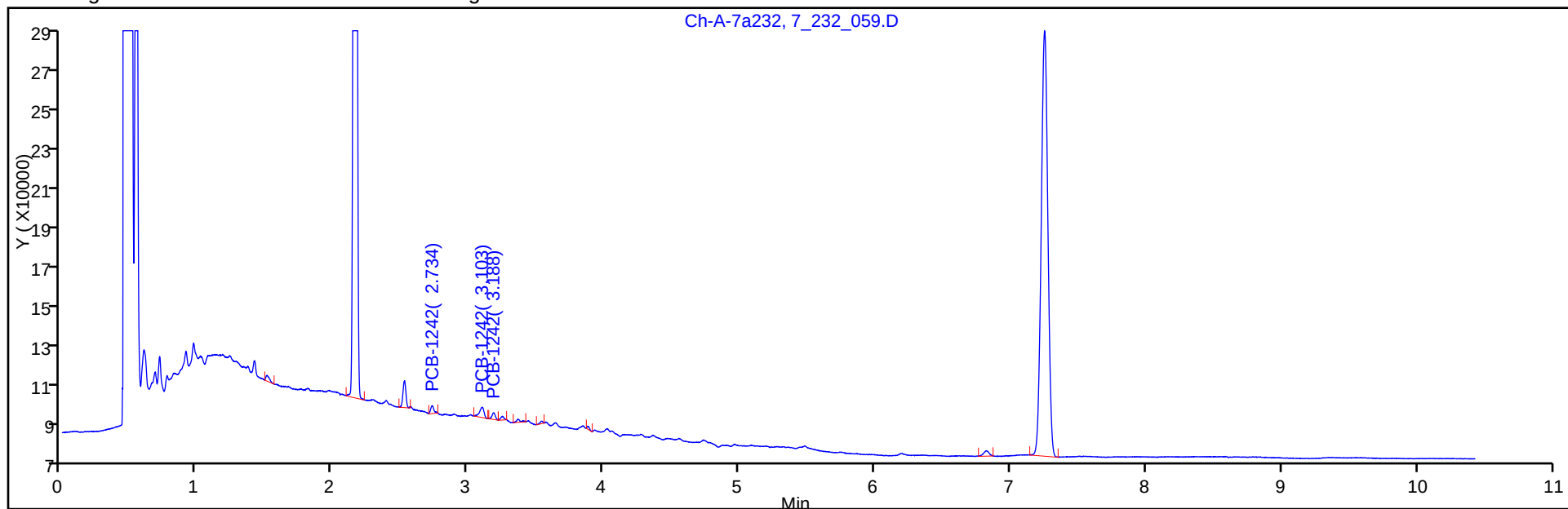
Lims Batch ID: 74672

Lims Sample ID: 19

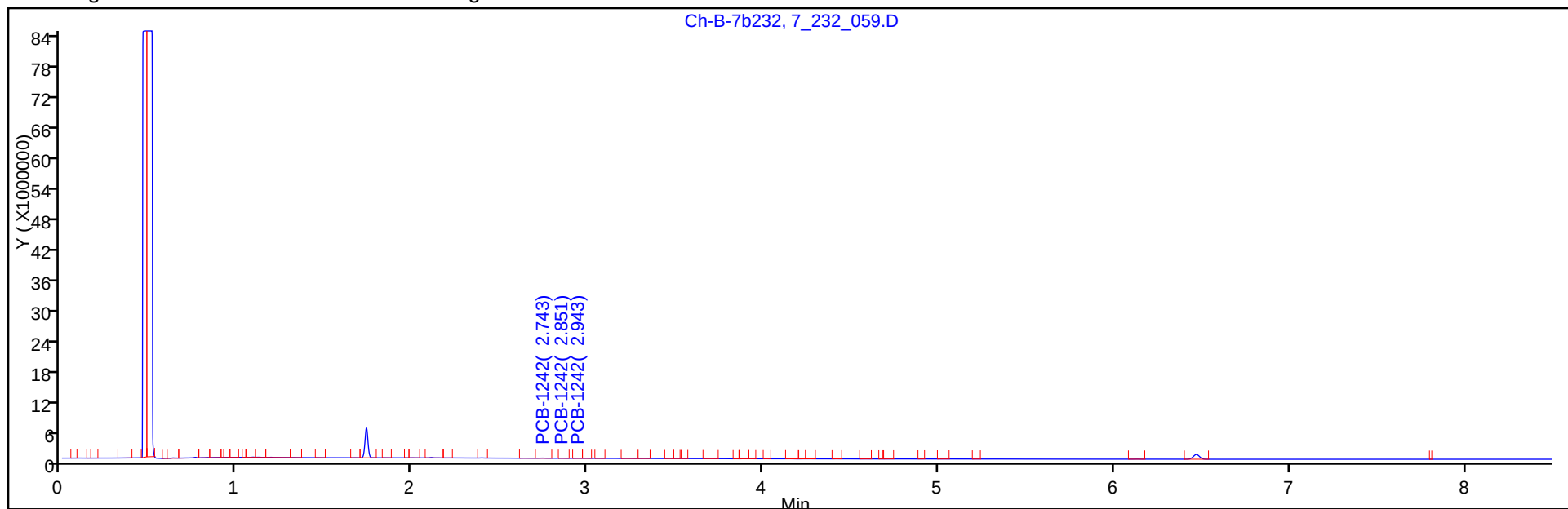
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 12:11 Calibration End Date: 07/26/2012 13:15 Calibration ID: 9547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-74010/1	7_231_070.D
Level 2	STD25 480-74010/2	7_231_071.D
Level 3	STD5 480-74010/3	7_231_072.D
Level 4	STD1 480-74010/4	7_231_073.D
Level 5	STD2 480-74010/5	7_231_074.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.745	2.743	2.742	2.742	2.743						2.713 - 2.773	2.743
PCB-1016 Peak 2	2.896	2.894	2.894	2.894	2.895						2.865 - 2.925	2.895
PCB-1016 Peak 3	3.099	3.098	3.098	3.098	3.099						3.069 - 3.129	3.098
PCB-1016 Peak 4	3.185	3.183	3.183	3.182	3.183						3.153 - 3.213	3.183
PCB-1260 Peak 1	5.090	5.087	5.088	5.087	5.088						5.058 - 5.118	5.088
PCB-1260 Peak 2	5.281	5.278	5.278	5.278	5.279						5.249 - 5.309	5.279
PCB-1260 Peak 3	5.485	5.480	5.482	5.482	5.481						5.451 - 5.511	5.482
PCB-1260 Peak 4	5.748	5.744	5.743	5.743	5.743						5.713 - 5.773	5.744
Tetrachloro-m-xylene	2.163	2.162	2.162	2.161	2.162						2.132 - 2.192	2.162
DCB Decachlorobiphenyl	7.253	7.248	7.245	7.247	7.247						7.187 - 7.307	7.248

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 12:11 Calibration End Date: 07/26/2012 13:15 Calibration ID: 9547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-74010/1	7_231_070.D
Level 2	STD25 480-74010/2	7_231_071.D
Level 3	STD5 480-74010/3	7_231_072.D
Level 4	STD1 480-74010/4	7_231_073.D
Level 5	STD2 480-74010/5	7_231_074.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 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	4726280 4081251	4064420	3959292	3672330	Ave		4100714.60				9.4		20.0			
PCB-1016 Peak 2	2494520 2483836	2425428	2374174	2221107	Ave		2399813.00				4.6		20.0			
PCB-1016 Peak 3	8612080 9051076	8219988	8241352	7774535	Ave		8379806.10				5.7		20.0			
PCB-1016 Peak 4	4025920 3238260	3087508	3053902	2834668	Ave		3248051.60				14.0		20.0			
PCB-1260 Peak 1	3222400 3551780	3148348	3145708	2978366	Ave		3209320.30				6.6		20.0			
PCB-1260 Peak 2	2651680 3053657	2681496	2715144	2554336	Ave		2731262.60				7.0		20.0			
PCB-1260 Peak 3	7166080 8340511	6950692	7100242	6808888	Ave		7273282.50				8.4		20.0			
PCB-1260 Peak 4	3197840 3539244	3129472	3129312	2965869	Ave		3192347.40				6.6		20.0			
Tetrachloro-m-xylene	106083300 107067620	114173300	108314233	110738575	Ave		109275406				3.0		20.0			
DCB Decachlorobiphenyl	58049400 52435460	60031850	56538733	55992050	Ave		56609498.7				5.0		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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 12:11 Calibration End Date: 07/26/2012 13:15 Calibration ID: 9547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-74010/1	7_231_070.D
Level 2	STD25 480-74010/2	7_231_071.D
Level 3	STD5 480-74010/3	7_231_072.D
Level 4	STD1 480-74010/4	7_231_073.D
Level 5	STD2 480-74010/5	7_231_074.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	118157	1016105	1979646	3672330	8162502	0.0250	0.250	0.500	1.00	2.00
PCB-1016 Peak 2	Ave	62363	606357	1187087	2221107	4967672	0.0250	0.250	0.500	1.00	2.00
PCB-1016 Peak 3	Ave	215302	2054997	4120676	7774535	18102151	0.0250	0.250	0.500	1.00	2.00
PCB-1016 Peak 4	Ave	100648	771877	1526951	2834668	6476520	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 1	Ave	80560	787087	1572854	2978366	7103559	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 2	Ave	66292	670374	1357572	2554336	6107314	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 3	Ave	179152	1737673	3550121	6808888	16681021	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 4	Ave	79946	782368	1564656	2965869	7078488	0.0250	0.250	0.500	1.00	2.00
Tetrachloro-m-xylene	Ave	1060833	2283466	3249427	4429543	5353381	0.0100	0.0200	0.0300	0.0400	0.0500
DCB Decachlorobiphenyl	Ave	580494	1200637	1696162	2239682	2621773	0.0100	0.0200	0.0300	0.0400	0.0500

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_070.D
 Lims ID: std0025 Client ID:
 Inject. Date: 26-Jul-2012 12:11:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 1
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:46 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.162	0.001	1060833	0.009708			
2	2	1.733	1.734	-0.002	4041470	0.009819			

RPD = 1.13

6 PCB-1016

1	1	2.745	2.743	0.003	118157	0.0288		100.0	
1	2	2.896	2.895	0.001	62363	0.0260	22.8- 82.8	52.8	
1	3	3.099	3.099	0.000	215302	0.0257	152.2- 212.2	182.2	
1	4	3.185	3.183	0.003	100648	0.0310		100.0	
		Average of Peak Amounts =				0.0279			
2	5	2.736	2.738	-0.002	941117	0.0299		100.0	
2	6	2.846	2.848	-0.002	334036	0.0292	5.5- 65.5	35.5	
2	7	2.938	2.940	-0.002	187434	0.0252	0.0- 49.9	19.9	
2	8	2.985	2.987	-0.002	175777	0.0264	0.0- 48.7	18.7	
		Average of Peak Amounts =				0.0277			

RPD = 0.75

9 PCB-1260

1	1	5.090	5.088	0.002	80560	0.0251		100.0	M
1	2	5.281	5.279	0.002	66292	0.0243	52.3- 112.3	82.3	M
1	3	5.485	5.481	0.004	179152	0.0246	192.4- 252.4	222.4	
1	4	5.748	5.743	0.005	79946	0.0250		100.0	
		Average of Peak Amounts =				0.0248			
2	5	4.158	4.158	0.000	392126	0.0290		100.0	
2	6	4.578	4.578	0.000	332260	0.0277	54.7- 114.7	84.7	
2	7	4.628	4.628	0.000	277219	0.0276	40.7- 100.7	70.7	
2	8	4.887	4.887	0.000	265454	0.0260	37.7- 97.7	67.7	
		Average of Peak Amounts =				0.0276			

RPD = 10.79

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.253	7.247	0.006	580494	0.0103			
2	2	6.464	6.463	0.002	1748830	0.0107			

RPD = 4.41

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jul-2012 09:35:47

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_070.D

Injection Date: 26-Jul-2012 12:11:55

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

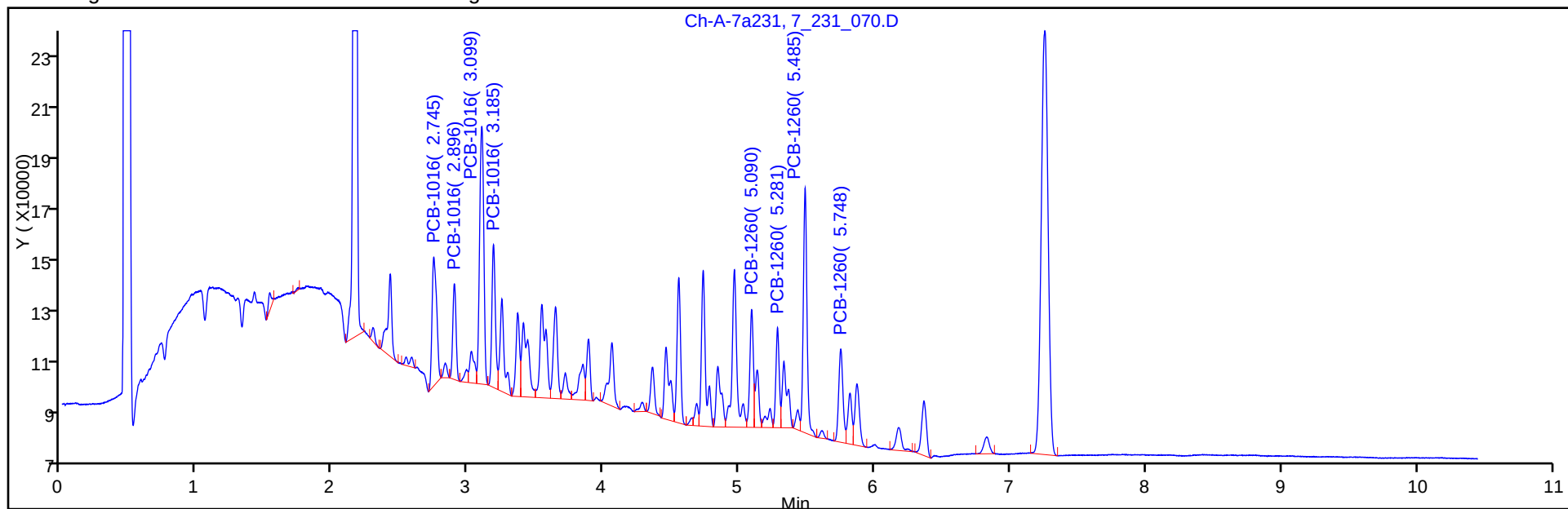
Lims Batch ID: 74010

Lims Sample ID: 1

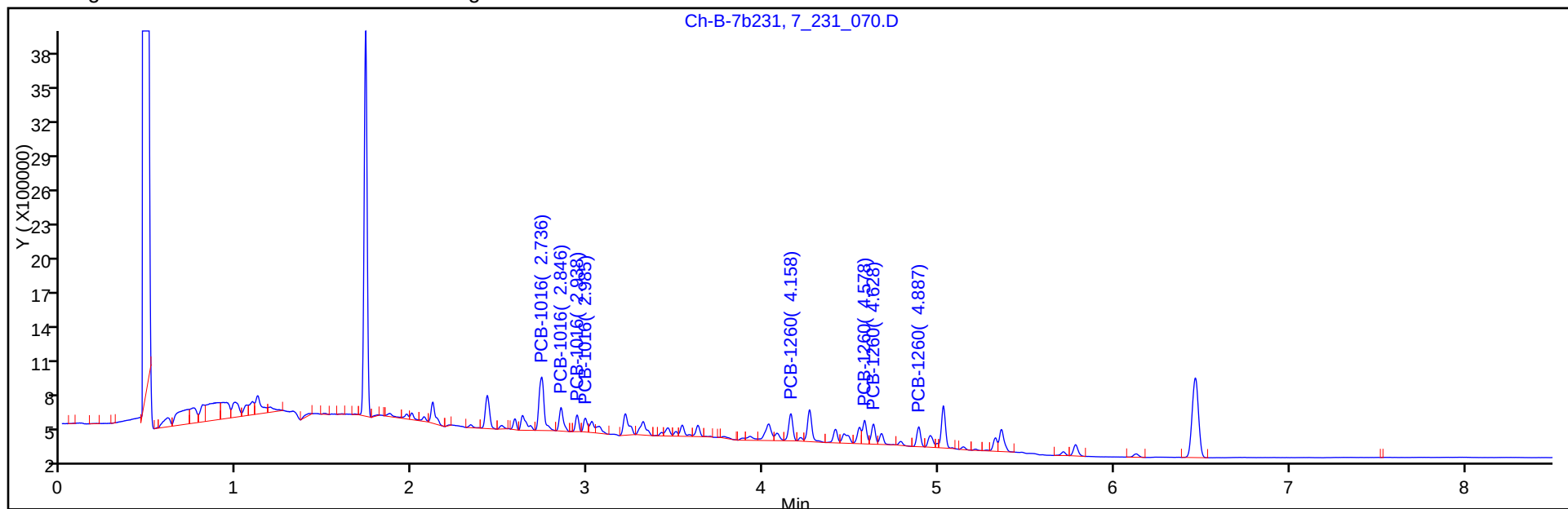
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Report Date: 29-Jul-2012 09:35:47

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_070.D

Injection Date: 26-Jul-2012 12:11:55

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

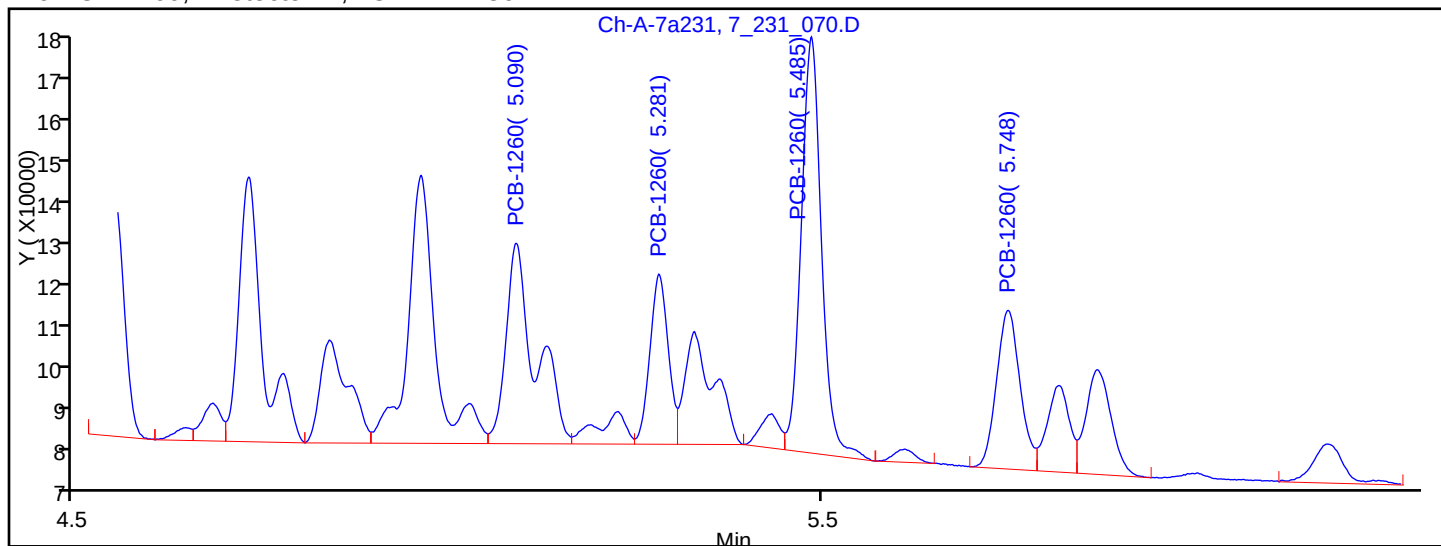
Lims Batch ID: 74010

Lims Sample ID: 1

Operator ID: tchrom

Injection Vol: 1.00 ul

9 PCB-1260, Detector: 1, Ch-A-7A136



Processing Integration Results

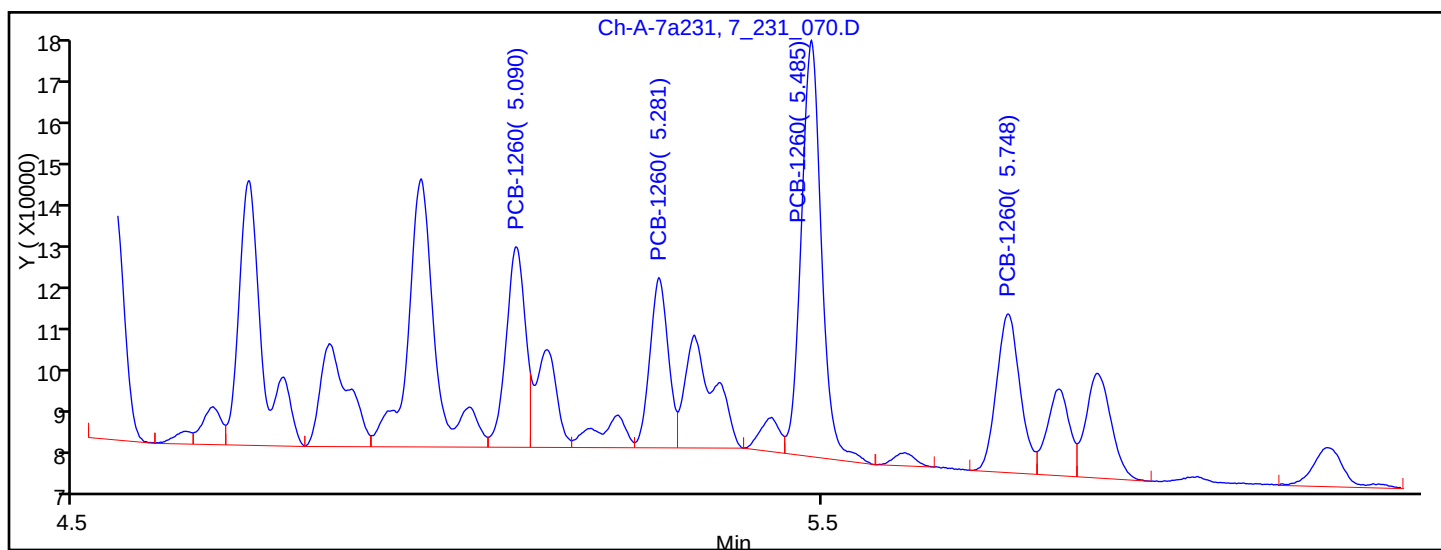
RT = 5.090 Response = 124620

M

RT = 5.281 Response = 66292

RT = 5.485 Response = 179152

RT = 5.748 Response = 79946



Manual Integration Results

RT = 5.090 Response = 80560

M

RT = 5.281 Response = 66292

RT = 5.485 Response = 179152

RT = 5.748 Response = 79946

Reviewer: michalej, 26-Jul-2012 13:42:01

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_071.D
 Lims ID: std25 Client ID:
 Inject. Date: 26-Jul-2012 12:27:48 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 2
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:49 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.162	2.162	0.000	2283466	0.0209			
2	2	1.733	1.734	-0.002	8784192	0.0213			

RPD = 2.10

6 PCB-1016

1	1	2.743	2.743	0.000	1016105	0.2478		100.0	
1	2	2.894	2.895	-0.001	606357	0.2527	22.8- 82.8	59.7	
1	3	3.098	3.099	-0.001	2054997	0.2452	152.2- 212.2	202.2	
1	4	3.183	3.183	0.000	771877	0.2376		100.0	
Average of Peak Amounts =						0.2458			
2	5	2.737	2.738	-0.001	7389002	0.2348		100.0	
2	6	2.847	2.848	-0.001	2883354	0.2521	5.5- 65.5	39.0	
2	7	2.939	2.940	-0.001	1929884	0.2593	0.0- 49.9	26.1	
2	8	2.986	2.987	-0.001	1737869	0.2607	0.0- 48.7	23.5	
Average of Peak Amounts =						0.2517			

RPD = 2.36

9 PCB-1260

1	1	5.087	5.088	-0.001	787087	0.2453		100.0	
1	2	5.278	5.279	-0.001	670374	0.2454	52.3- 112.3	85.2	
1	3	5.480	5.481	-0.001	1737673	0.2389	192.4- 252.4	220.8	
1	4	5.744	5.743	0.001	782368	0.2451		100.0	
Average of Peak Amounts =						0.2437			
2	5	4.157	4.158	-0.001	3244505	0.2403		100.0	
2	6	4.578	4.578	0.000	2797935	0.2333	54.7- 114.7	86.2	
2	7	4.628	4.628	0.000	2414202	0.2399	40.7- 100.7	74.4	
2	8	4.886	4.887	-0.001	2390967	0.2346	37.7- 97.7	73.7	
Average of Peak Amounts =						0.2370			

RPD = 2.76

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_071.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.247	0.001	1200637	0.0212			
2	2	6.462	6.463	0.000	3477152	0.0213			

RPD = 0.46

Report Date: 29-Jul-2012 09:35:49

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_071.D

Injection Date: 26-Jul-2012 12:27:48

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

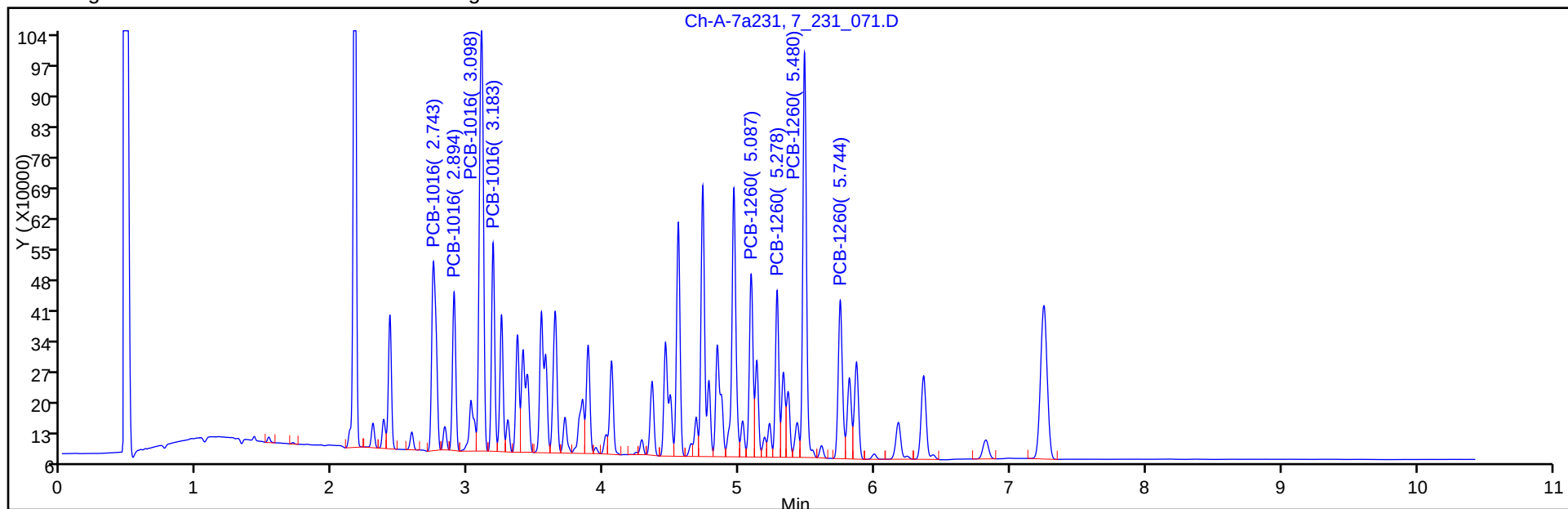
Lims Batch ID: 74010

Lims Sample ID: 2

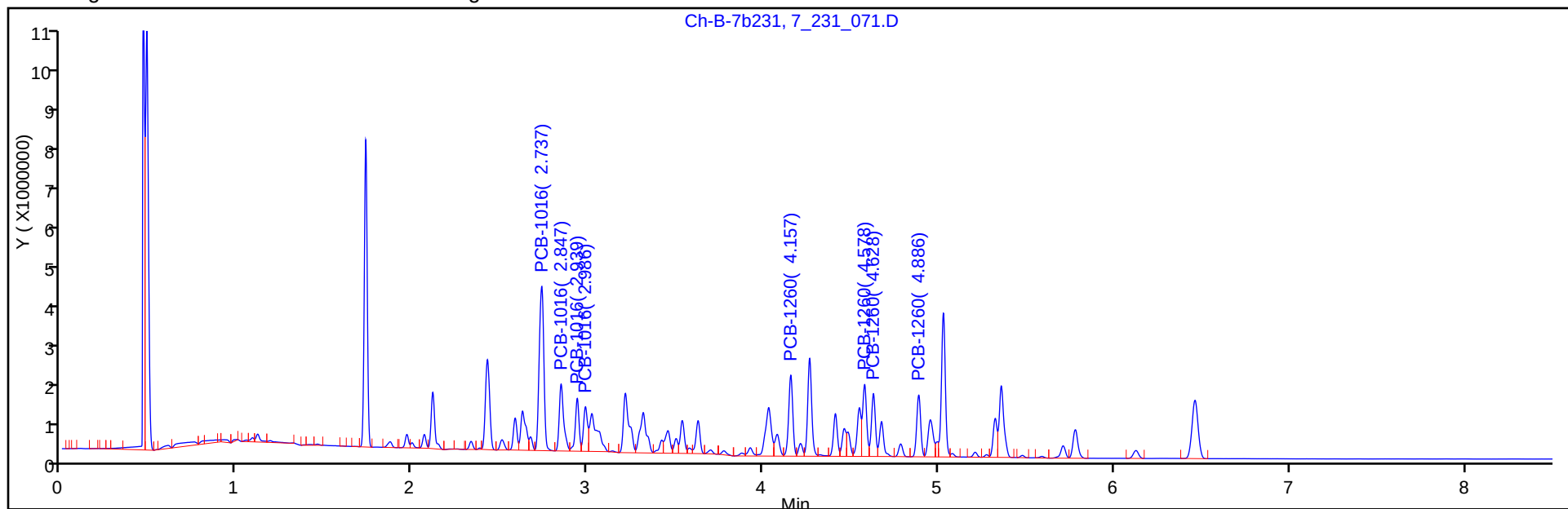
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_072.D
 Lims ID: std5 Client ID:
 Inject. Date: 26-Jul-2012 12:43:45 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 3
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:51 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:21

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.162	2.162	0.000	3249427	0.0297			
2	2	1.733	1.734	-0.001	12028624	0.0292			

RPD = 1.74

6 PCB-1016

1	1	2.742	2.743	0.000	1979646	0.4828		100.0	
1	2	2.894	2.895	-0.001	1187087	0.4947	22.8- 82.8	60.0	
1	3	3.098	3.099	-0.001	4120676	0.4917	152.2- 212.2	208.2	
1	4	3.183	3.183	0.000	1526951	0.4701		100.0	
Average of Peak Amounts =						0.4848			
2	5	2.737	2.738	-0.001	14618999	0.4645		100.0	
2	6	2.848	2.848	0.000	5519119	0.4825	5.5- 65.5	37.8	
2	7	2.939	2.940	-0.001	3709486	0.4983	0.0- 49.9	25.4	
2	8	2.986	2.987	-0.001	3274249	0.4911	0.0- 48.7	22.4	
Average of Peak Amounts =						0.4841			

RPD = 0.14

9 PCB-1260

1	1	5.088	5.088	0.000	1572854	0.4901		100.0	
1	2	5.278	5.279	-0.001	1357572	0.4970	52.3- 112.3	86.3	
1	3	5.482	5.481	0.001	3550121	0.4881	192.4- 252.4	225.7	
1	4	5.743	5.743	0.000	1564656	0.4901		100.0	
Average of Peak Amounts =						0.4913			
2	5	4.157	4.158	-0.001	6340742	0.4697		100.0	
2	6	4.578	4.578	0.000	5683004	0.4738	54.7- 114.7	89.6	
2	7	4.628	4.628	0.000	4776543	0.4747	40.7- 100.7	75.3	
2	8	4.887	4.887	0.000	4959887	0.4867	37.7- 97.7	78.2	
Average of Peak Amounts =						0.4762			

RPD = 3.12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.245	7.247	-0.002	1696162	0.0300			
---	---	-------	-------	--------	---------	--------	--	--	--

2	2	6.461	6.463	-0.001	4838017	0.0296			
---	---	-------	-------	--------	---------	--------	--	--	--

RPD = 1.06

Report Date: 29-Jul-2012 09:35:51

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_072.D

Injection Date: 26-Jul-2012 12:43:45

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

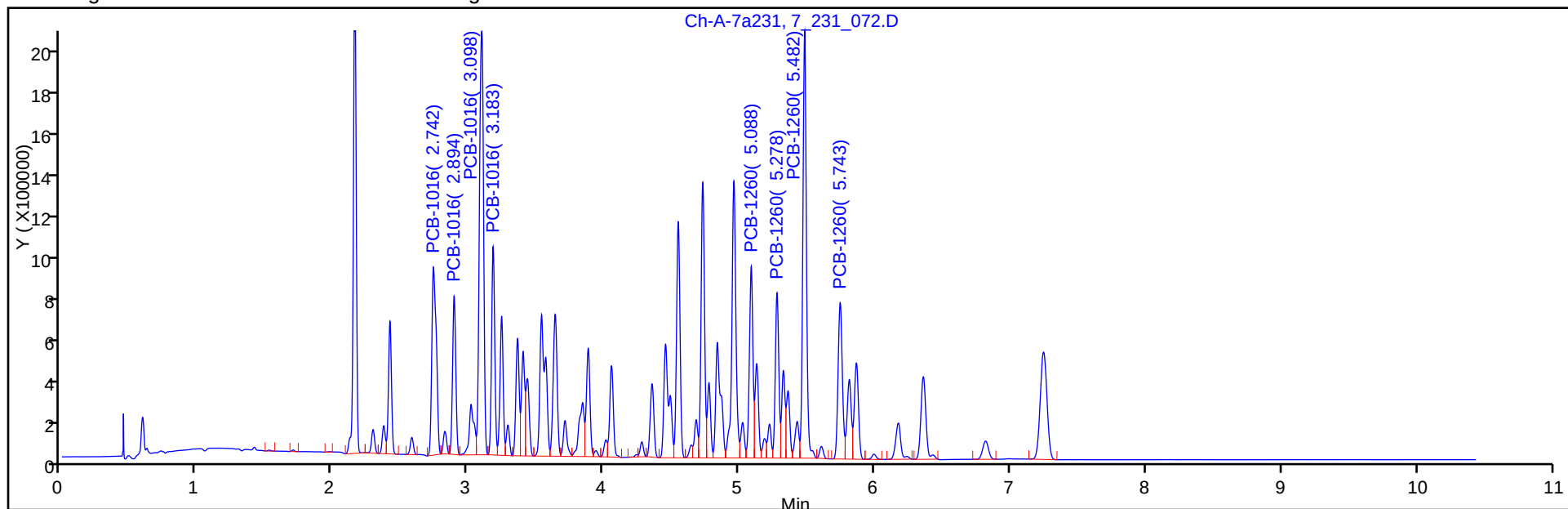
Lims Batch ID: 74010

Lims Sample ID: 3

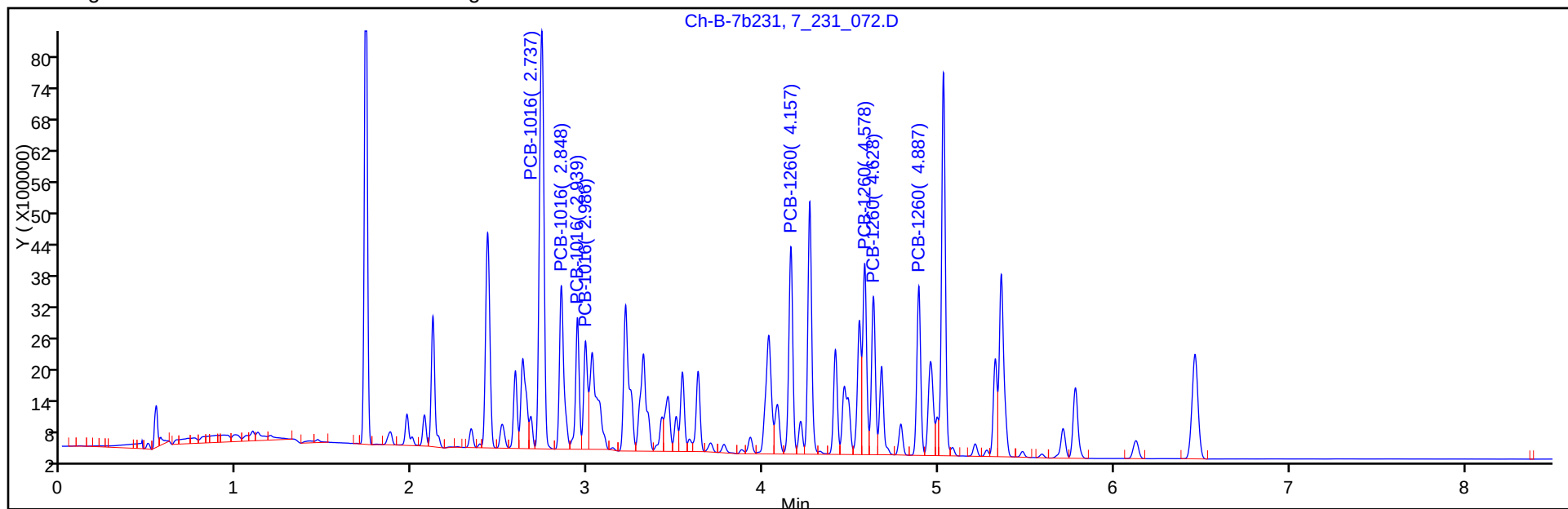
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_073.D
 Lims ID: std1 Client ID:
 Inject. Date: 26-Jul-2012 12:59:39 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 4
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:37:19 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 26-Jul-2012 13:38:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.161	2.161	0.000	4429543	0.0405			
2	2	1.733	1.733	0.000	16722580	0.0406			

RPD = 0.22

6 PCB-1016

1	1	2.742	2.742	0.000	3672330	0.8955		100.0	
1	2	2.894	2.894	0.000	2221107	0.9255	22.8- 82.8	60.5	
1	3	3.098	3.098	0.000	7774535	0.9278	152.2- 212.2	211.7	
1	4	3.182	3.182	0.000	2834668	0.8727		100.0	
Average of Peak Amounts =						0.9054			
2	5	2.738	2.738	0.000	27663131	0.8790		100.0	
2	6	2.848	2.848	0.000	9971252	0.8717	5.5- 65.5	36.0	
2	7	2.940	2.940	0.000	6803816	0.9140	0.0- 49.9	24.6	
2	8	2.986	2.986	0.000	5965231	0.8947	0.0- 48.7	21.6	
Average of Peak Amounts =						0.8899			

RPD = 1.73

9 PCB-1260

1	1	5.087	5.087	0.000	2978366	0.9280		100.0	
1	2	5.278	5.278	0.000	2554336	0.9352	52.3- 112.3	85.8	
1	3	5.482	5.482	0.000	6808888	0.9362	192.4- 252.4	228.6	
1	4	5.743	5.743	0.000	2965869	0.9291		100.0	
Average of Peak Amounts =						0.9321			
2	5	4.158	4.158	0.000	11842959	0.8773		100.0	
2	6	4.578	4.578	0.000	10918670	0.9103	54.7- 114.7	92.2	
2	7	4.628	4.628	0.000	9035012	0.8980	40.7- 100.7	76.3	
2	8	4.886	4.886	0.000	9475443	0.9297	37.7- 97.7	80.0	
Average of Peak Amounts =						0.9038			

RPD = 3.08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.247	7.247	0.000	2239682	0.0396			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.463	6.463	0.000	6327214	0.0388			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 2.02

Report Date: 29-Jul-2012 09:37:19

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_073.D

Injection Date: 26-Jul-2012 12:59:39

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

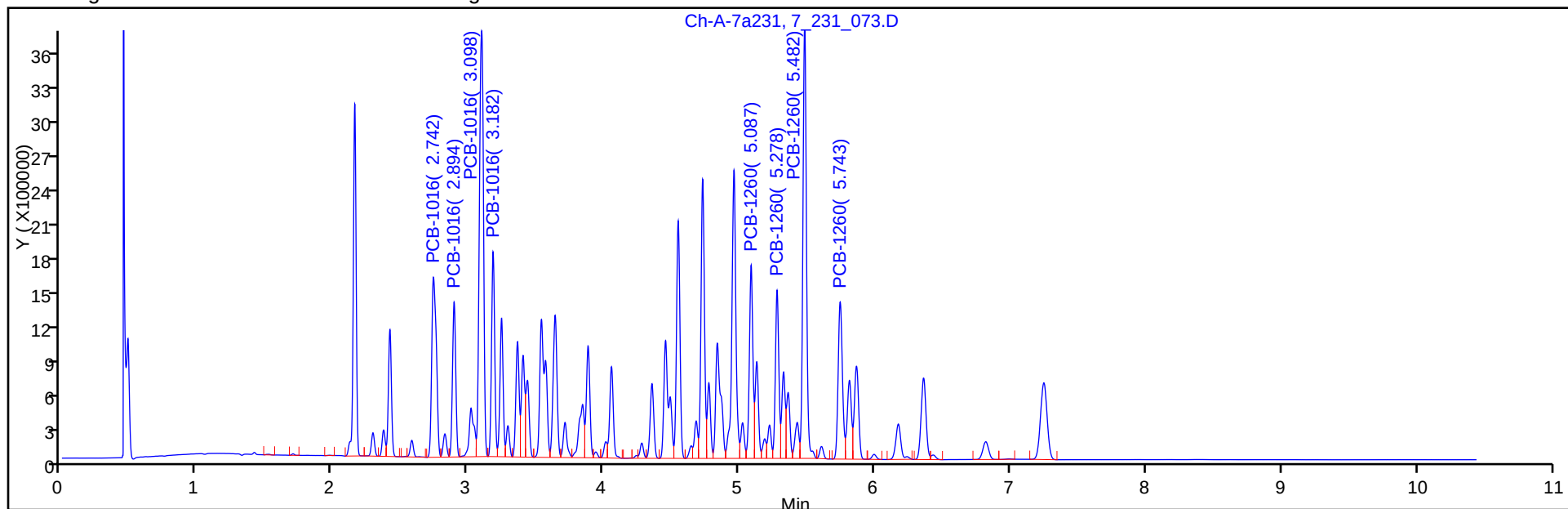
Lims Batch ID: 74010

Lims Sample ID: 4

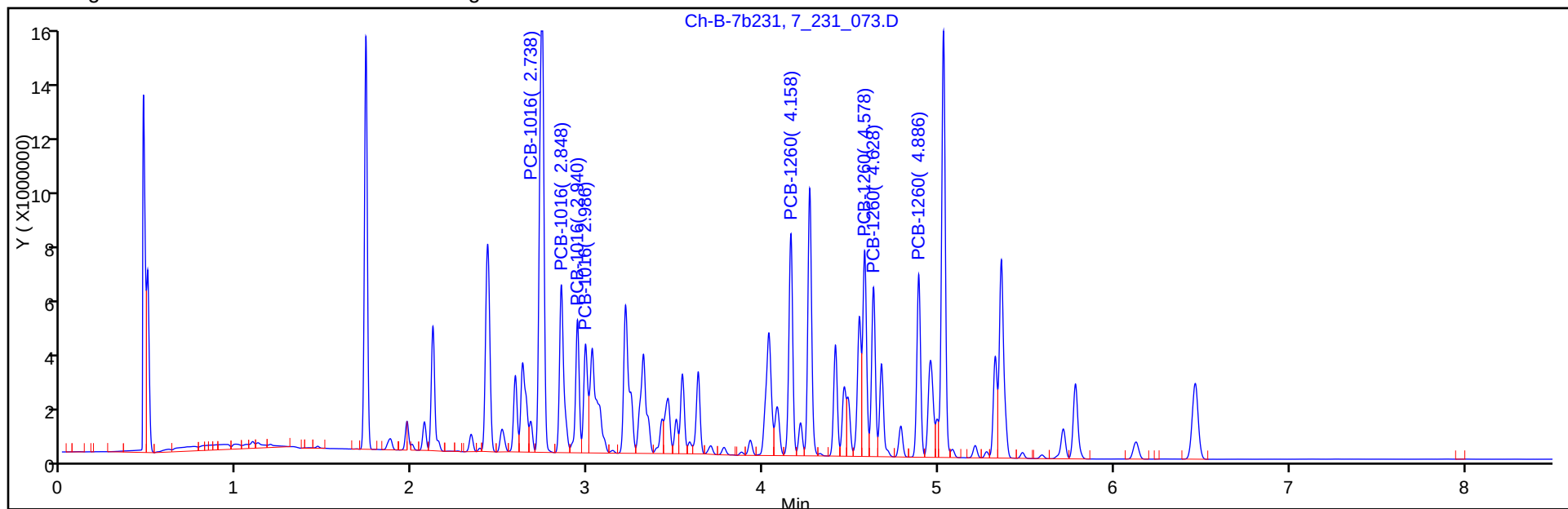
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_074.D
 Lims ID: std2 Client ID:
 Inject. Date: 26-Jul-2012 13:15:35 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 5
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:55 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.162	2.162	0.000	5353381	0.0490			
2	2	1.734	1.734	0.000	19785297	0.0481			

RPD = 1.90

6 PCB-1016

1	1	2.743	2.743	0.000	8162502	1.99		100.0	
1	2	2.895	2.895	0.000	4967672	2.07	22.8- 82.8	60.9	
1	3	3.099	3.099	0.000	18102151	2.16	152.2- 212.2	221.8	
1	4	3.183	3.183	0.000	6476520	1.99		100.0	
Average of Peak Amounts =						2.05			
2	5	2.738	2.738	0.000	66494768	2.11		100.0	
2	6	2.848	2.848	0.000	22584121	1.97	5.5- 65.5	34.0	
2	7	2.940	2.940	0.000	15556852	2.09	0.0- 49.9	23.4	
2	8	2.987	2.987	0.000	13677391	2.05	0.0- 48.7	20.6	
Average of Peak Amounts =						2.06			

RPD = 0.17

9 PCB-1260

1	1	5.088	5.088	0.000	7103559	2.21		100.0	
1	2	5.279	5.279	0.000	6107314	2.24	52.3- 112.3	86.0	
1	3	5.481	5.481	0.000	16681021	2.29	192.4- 252.4	234.8	
1	4	5.743	5.743	0.000	7078488	2.22		100.0	
Average of Peak Amounts =						2.24			
2	5	4.158	4.158	0.000	28616140	2.12		100.0	
2	6	4.578	4.578	0.000	26408247	2.20	54.7- 114.7	92.3	
2	7	4.628	4.628	0.000	21947612	2.18	40.7- 100.7	76.7	
2	8	4.887	4.887	0.000	22764283	2.23	37.7- 97.7	79.6	
Average of Peak Amounts =						2.18			

RPD = 2.53

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_074.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.247	7.247	0.000	2621773	0.0463			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.463	6.463	0.000	7388530	0.0453			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 2.27

Report Date: 29-Jul-2012 09:35:55

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_074.D

Injection Date: 26-Jul-2012 13:15:35

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

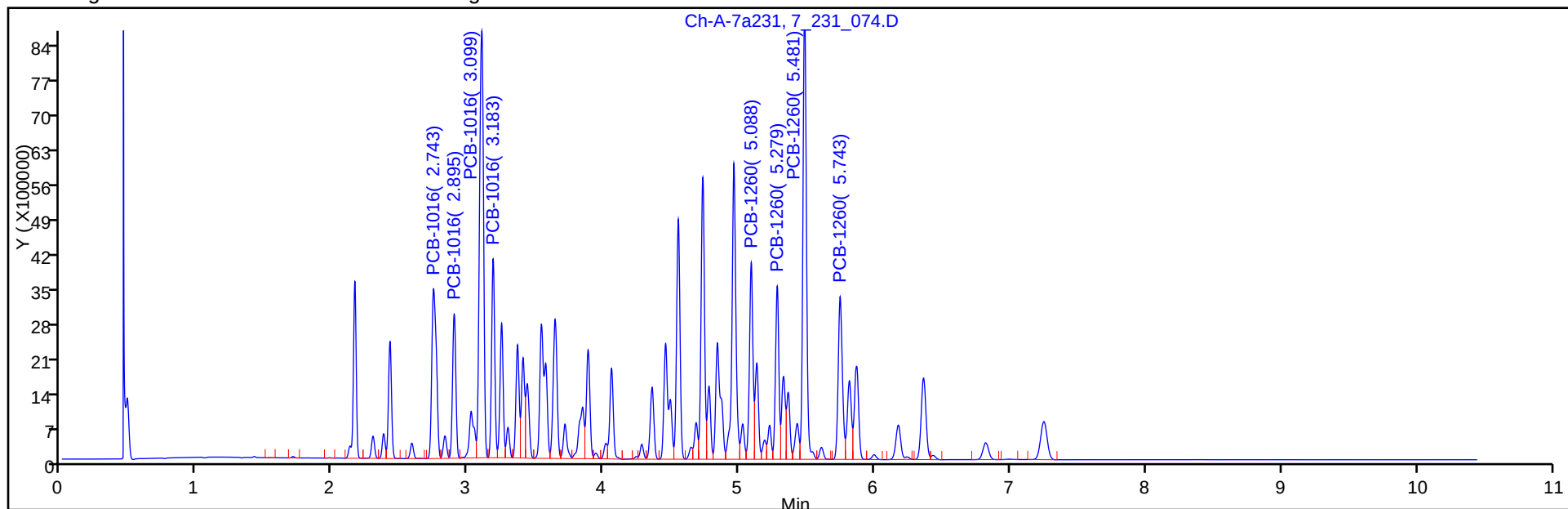
Lims Batch ID: 74010

Lims Sample ID: 5

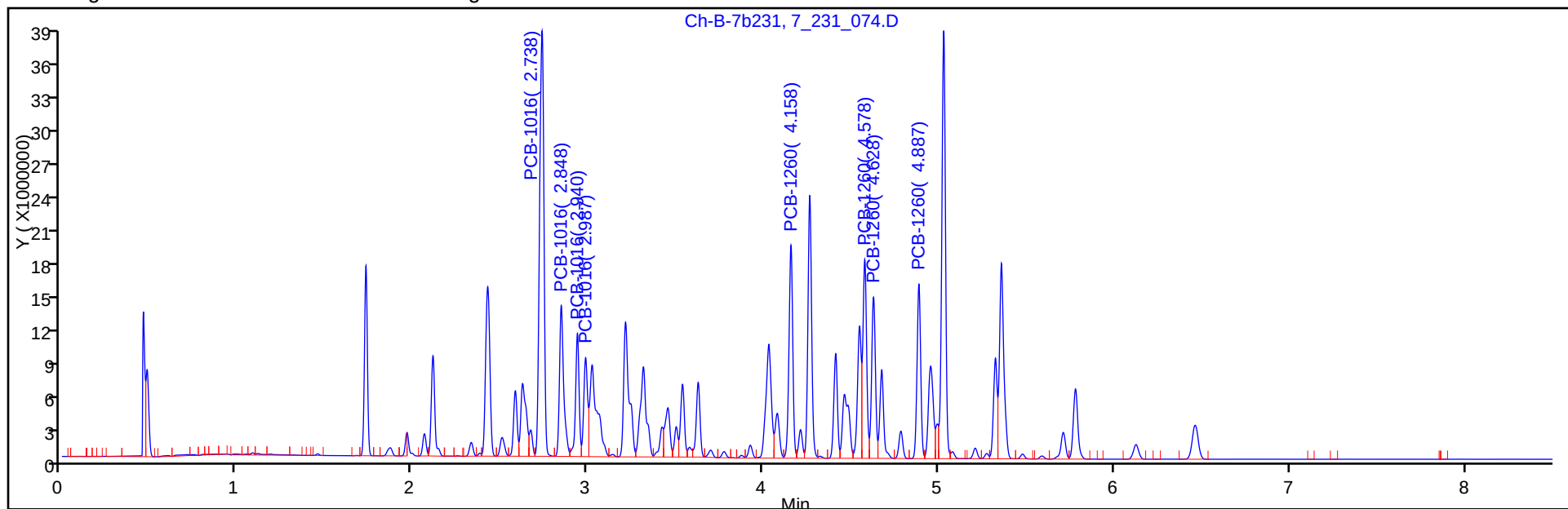
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 12:11 Calibration End Date: 07/26/2012 13:15 Calibration ID: 9548

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-74010/1	7_231_070.D
Level 2	STD25 480-74010/2	7_231_071.D
Level 3	STD5 480-74010/3	7_231_072.D
Level 4	STD1 480-74010/4	7_231_073.D
Level 5	STD2 480-74010/5	7_231_074.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.736	2.737	2.737	2.738	2.738						2.708 - 2.768	2.737
PCB-1016 Peak 2	2.846	2.847	2.848	2.848	2.848						2.818 - 2.878	2.847
PCB-1016 Peak 3	2.938	2.939	2.939	2.940	2.940						2.910 - 2.970	2.939
PCB-1016 Peak 4	2.985	2.986	2.986	2.986	2.987						2.957 - 3.017	2.986
PCB-1260 Peak 1	4.158	4.157	4.157	4.158	4.158						4.128 - 4.188	4.158
PCB-1260 Peak 2	4.578	4.578	4.578	4.578	4.578						4.548 - 4.608	4.578
PCB-1260 Peak 3	4.628	4.628	4.628	4.628	4.628						4.598 - 4.658	4.628
PCB-1260 Peak 4	4.887	4.886	4.887	4.886	4.887						4.857 - 4.917	4.887
Tetrachloro-m-xylene	1.733	1.733	1.733	1.733	1.734						1.704 - 1.764	1.733
DCB Decachlorobiphenyl	6.464	6.462	6.461	6.463	6.463						6.403 - 6.523	6.463

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 12:11 Calibration End Date: 07/26/2012 13:15 Calibration ID: 9548

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-74010/1	7_231_070.D
Level 2	STD25 480-74010/2	7_231_071.D
Level 3	STD5 480-74010/3	7_231_072.D
Level 4	STD1 480-74010/4	7_231_073.D
Level 5	STD2 480-74010/5	7_231_074.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 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	37644680 33247384	29556008	29237998	27663131	Ave		31469840.2				13.0		20.0			
PCB-1016 Peak 2	13361440 11292061	11533416	11038238	9971252	Ave		11439281.3				11.0		20.0			
PCB-1016 Peak 3	7497360 7778426	7719536	7418972	6803816	Ave		7443622.00				5.2		20.0			
PCB-1016 Peak 4	7031080 6838695	6951476	6548498	5965231	Ave		6666996.10				6.5		20.0			
PCB-1260 Peak 1	15685040 14308070	12978020	12681484	11842959	Ave		13499114.6				11.0		20.0			
PCB-1260 Peak 2	13290400 13204123	11191740	11366008	10918670	Ave		11994188.3				9.6		20.0			
PCB-1260 Peak 3	11088760 10973806	9656808	9553086	9035012	Ave		10061494.4				9.1		20.0			
PCB-1260 Peak 4	10618160 11382142	9563868	9919774	9475443	Ave		10191877.3				7.9		20.0			
Tetrachloro-m-xylene	404147000 395705940	439209600	400954133	418064500	Ave		411616235				4.3		20.0			
DCB Decachlorobiphenyl	174883000 147770600	173857600	161267233	158180350	Ave		163191757				7.0		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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 12:11 Calibration End Date: 07/26/2012 13:15 Calibration ID: 9548

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-74010/1	7_231_070.D
Level 2	STD25 480-74010/2	7_231_071.D
Level 3	STD5 480-74010/3	7_231_072.D
Level 4	STD1 480-74010/4	7_231_073.D
Level 5	STD2 480-74010/5	7_231_074.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	941117	7389002	14618999	27663131	66494768	0.0250	0.250	0.500	1.00	2.00
PCB-1016 Peak 2	Ave	334036	2883354	5519119	9971252	22584121	0.0250	0.250	0.500	1.00	2.00
PCB-1016 Peak 3	Ave	187434	1929884	3709486	6803816	15556852	0.0250	0.250	0.500	1.00	2.00
PCB-1016 Peak 4	Ave	175777	1737869	3274249	5965231	13677391	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 1	Ave	392126	3244505	6340742	11842959	28616140	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 2	Ave	332260	2797935	5683004	10918670	26408247	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 3	Ave	277219	2414202	4776543	9035012	21947612	0.0250	0.250	0.500	1.00	2.00
PCB-1260 Peak 4	Ave	265454	2390967	4959887	9475443	22764283	0.0250	0.250	0.500	1.00	2.00
Tetrachloro-m-xylene	Ave	4041470	8784192	12028624	16722580	19785297	0.0100	0.0200	0.0300	0.0400	0.0500
DCB Decachlorobiphenyl	Ave	1748830	3477152	4838017	6327214	7388530	0.0100	0.0200	0.0300	0.0400	0.0500

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_070.D
 Lims ID: std0025 Client ID:
 Inject. Date: 26-Jul-2012 12:11:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 1
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:46 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.162	0.001	1060833	0.009708			
2	2	1.733	1.734	-0.002	4041470	0.009819			

RPD = 1.13

6 PCB-1016

1	1	2.745	2.743	0.003	118157	0.0288		100.0	
1	2	2.896	2.895	0.001	62363	0.0260	22.8- 82.8	52.8	
1	3	3.099	3.099	0.000	215302	0.0257	152.2- 212.2	182.2	
1	4	3.185	3.183	0.003	100648	0.0310		100.0	
		Average of Peak Amounts =				0.0279			
2	5	2.736	2.738	-0.002	941117	0.0299		100.0	
2	6	2.846	2.848	-0.002	334036	0.0292	5.5- 65.5	35.5	
2	7	2.938	2.940	-0.002	187434	0.0252	0.0- 49.9	19.9	
2	8	2.985	2.987	-0.002	175777	0.0264	0.0- 48.7	18.7	
		Average of Peak Amounts =				0.0277			

RPD = 0.75

9 PCB-1260

1	1	5.090	5.088	0.002	80560	0.0251		100.0	M
1	2	5.281	5.279	0.002	66292	0.0243	52.3- 112.3	82.3	M
1	3	5.485	5.481	0.004	179152	0.0246	192.4- 252.4	222.4	
1	4	5.748	5.743	0.005	79946	0.0250		100.0	
		Average of Peak Amounts =				0.0248			
2	5	4.158	4.158	0.000	392126	0.0290		100.0	
2	6	4.578	4.578	0.000	332260	0.0277	54.7- 114.7	84.7	
2	7	4.628	4.628	0.000	277219	0.0276	40.7- 100.7	70.7	
2	8	4.887	4.887	0.000	265454	0.0260	37.7- 97.7	67.7	
		Average of Peak Amounts =				0.0276			

RPD = 10.79

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_070.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.253	7.247	0.006	580494	0.0103			
2	2	6.464	6.463	0.002	1748830	0.0107			

RPD = 4.41

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jul-2012 09:35:47

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_070.D

Injection Date: 26-Jul-2012 12:11:55

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

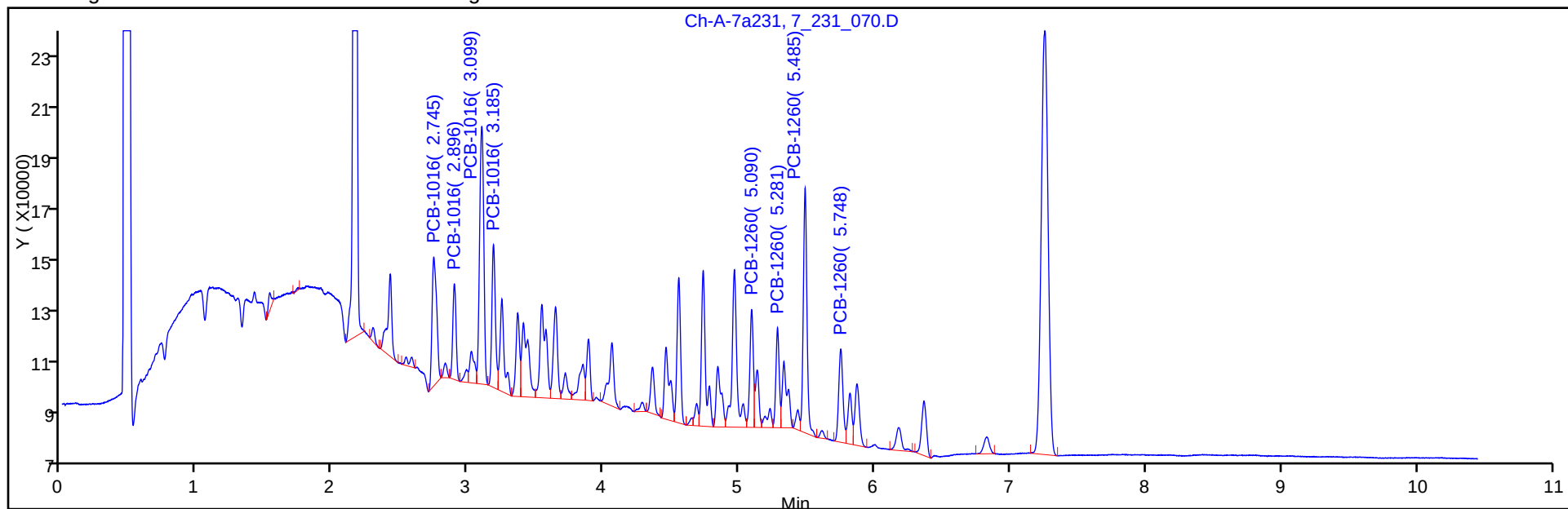
Lims Batch ID: 74010

Lims Sample ID: 1

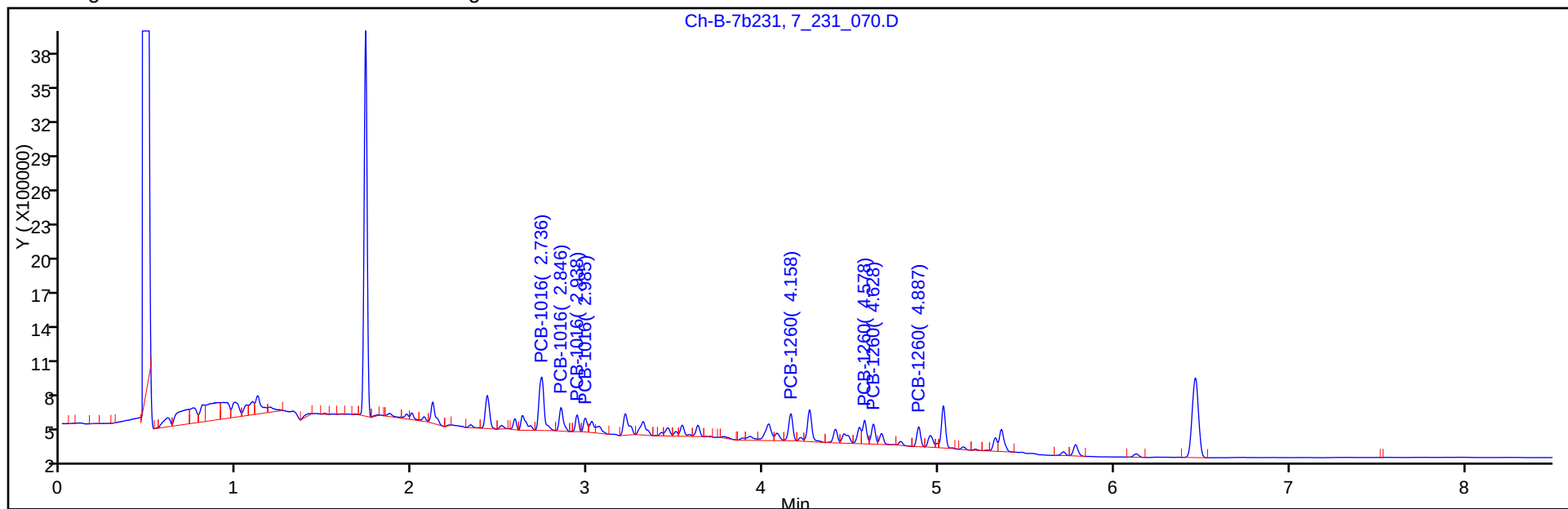
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_071.D
 Lims ID: std25 Client ID:
 Inject. Date: 26-Jul-2012 12:27:48 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 2
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:49 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.162	2.162	0.000	2283466	0.0209			
2	2	1.733	1.734	-0.002	8784192	0.0213			

RPD = 2.10

6 PCB-1016

1	1	2.743	2.743	0.000	1016105	0.2478		100.0	
1	2	2.894	2.895	-0.001	606357	0.2527	22.8- 82.8	59.7	
1	3	3.098	3.099	-0.001	2054997	0.2452	152.2- 212.2	202.2	
1	4	3.183	3.183	0.000	771877	0.2376		100.0	
		Average of Peak Amounts =				0.2458			
2	5	2.737	2.738	-0.001	7389002	0.2348		100.0	
2	6	2.847	2.848	-0.001	2883354	0.2521	5.5- 65.5	39.0	
2	7	2.939	2.940	-0.001	1929884	0.2593	0.0- 49.9	26.1	
2	8	2.986	2.987	-0.001	1737869	0.2607	0.0- 48.7	23.5	
		Average of Peak Amounts =				0.2517			

RPD = 2.36

9 PCB-1260

1	1	5.087	5.088	-0.001	787087	0.2453		100.0	
1	2	5.278	5.279	-0.001	670374	0.2454	52.3- 112.3	85.2	
1	3	5.480	5.481	-0.001	1737673	0.2389	192.4- 252.4	220.8	
1	4	5.744	5.743	0.001	782368	0.2451		100.0	
		Average of Peak Amounts =				0.2437			
2	5	4.157	4.158	-0.001	3244505	0.2403		100.0	
2	6	4.578	4.578	0.000	2797935	0.2333	54.7- 114.7	86.2	
2	7	4.628	4.628	0.000	2414202	0.2399	40.7- 100.7	74.4	
2	8	4.886	4.887	-0.001	2390967	0.2346	37.7- 97.7	73.7	
		Average of Peak Amounts =				0.2370			

RPD = 2.76

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_071.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.247	0.001	1200637	0.0212			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.462	6.463	0.000	3477152	0.0213			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 0.46

Report Date: 29-Jul-2012 09:35:50

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_071.D

Injection Date: 26-Jul-2012 12:27:48

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

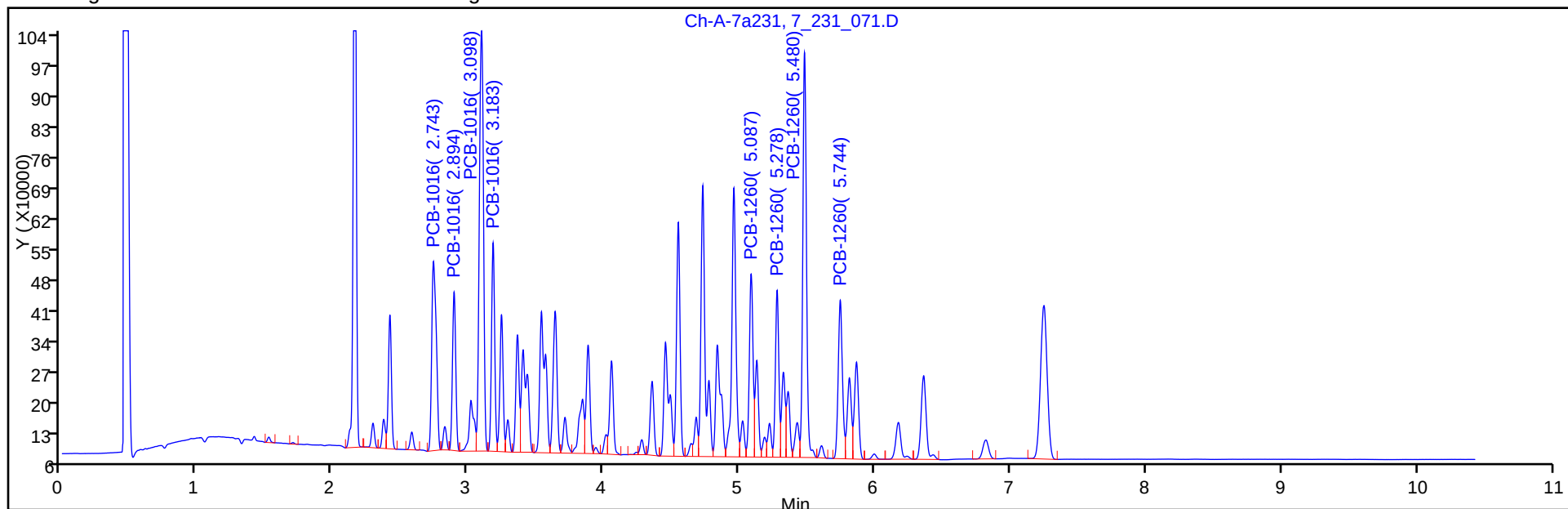
Lims Batch ID: 74010

Lims Sample ID: 2

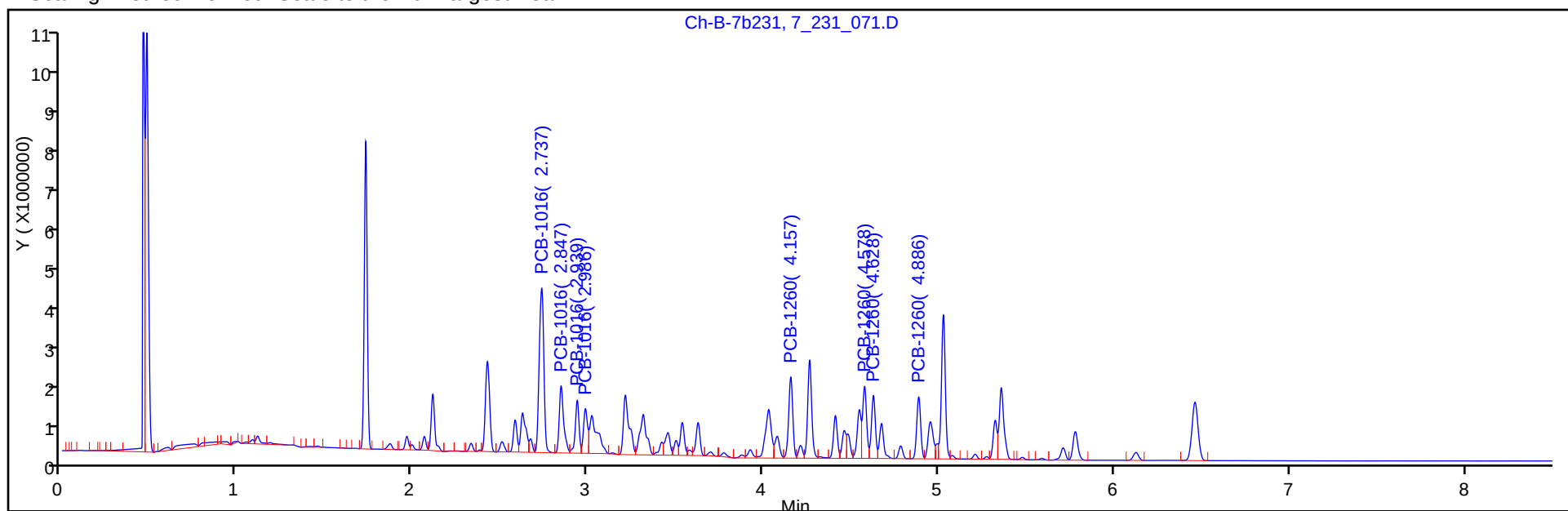
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_072.D
 Lims ID: std5 Client ID:
 Inject. Date: 26-Jul-2012 12:43:45 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 3
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:51 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:21

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.162	2.162	0.000	3249427	0.0297			
2	2	1.733	1.734	-0.001	12028624	0.0292			

RPD = 1.74

6 PCB-1016

1	1	2.742	2.743	0.000	1979646	0.4828		100.0	
1	2	2.894	2.895	-0.001	1187087	0.4947	22.8- 82.8	60.0	
1	3	3.098	3.099	-0.001	4120676	0.4917	152.2- 212.2	208.2	
1	4	3.183	3.183	0.000	1526951	0.4701		100.0	
Average of Peak Amounts =						0.4848			
2	5	2.737	2.738	-0.001	14618999	0.4645		100.0	
2	6	2.848	2.848	0.000	5519119	0.4825	5.5- 65.5	37.8	
2	7	2.939	2.940	-0.001	3709486	0.4983	0.0- 49.9	25.4	
2	8	2.986	2.987	-0.001	3274249	0.4911	0.0- 48.7	22.4	
Average of Peak Amounts =						0.4841			

RPD = 0.14

9 PCB-1260

1	1	5.088	5.088	0.000	1572854	0.4901		100.0	
1	2	5.278	5.279	-0.001	1357572	0.4970	52.3- 112.3	86.3	
1	3	5.482	5.481	0.001	3550121	0.4881	192.4- 252.4	225.7	
1	4	5.743	5.743	0.000	1564656	0.4901		100.0	
Average of Peak Amounts =						0.4913			
2	5	4.157	4.158	-0.001	6340742	0.4697		100.0	
2	6	4.578	4.578	0.000	5683004	0.4738	54.7- 114.7	89.6	
2	7	4.628	4.628	0.000	4776543	0.4747	40.7- 100.7	75.3	
2	8	4.887	4.887	0.000	4959887	0.4867	37.7- 97.7	78.2	
Average of Peak Amounts =						0.4762			

RPD = 3.12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

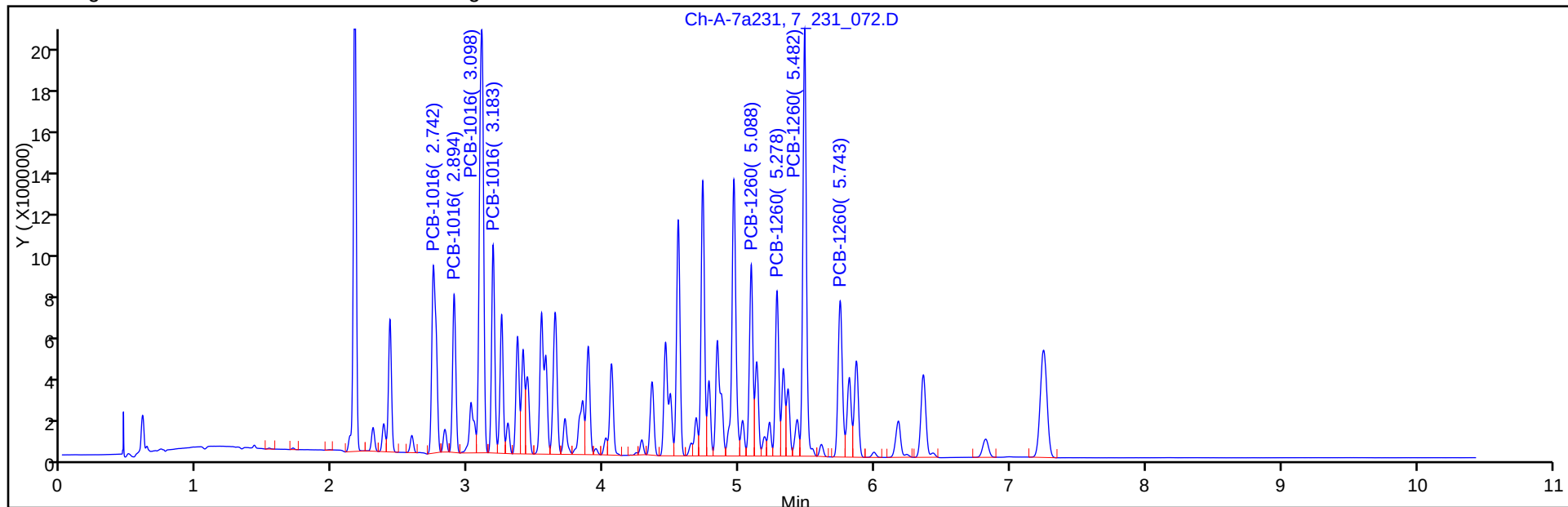
1	1	7.245	7.247	-0.002	1696162	0.0300			
---	---	-------	-------	--------	---------	--------	--	--	--

2	2	6.461	6.463	-0.001	4838017	0.0296			
---	---	-------	-------	--------	---------	--------	--	--	--

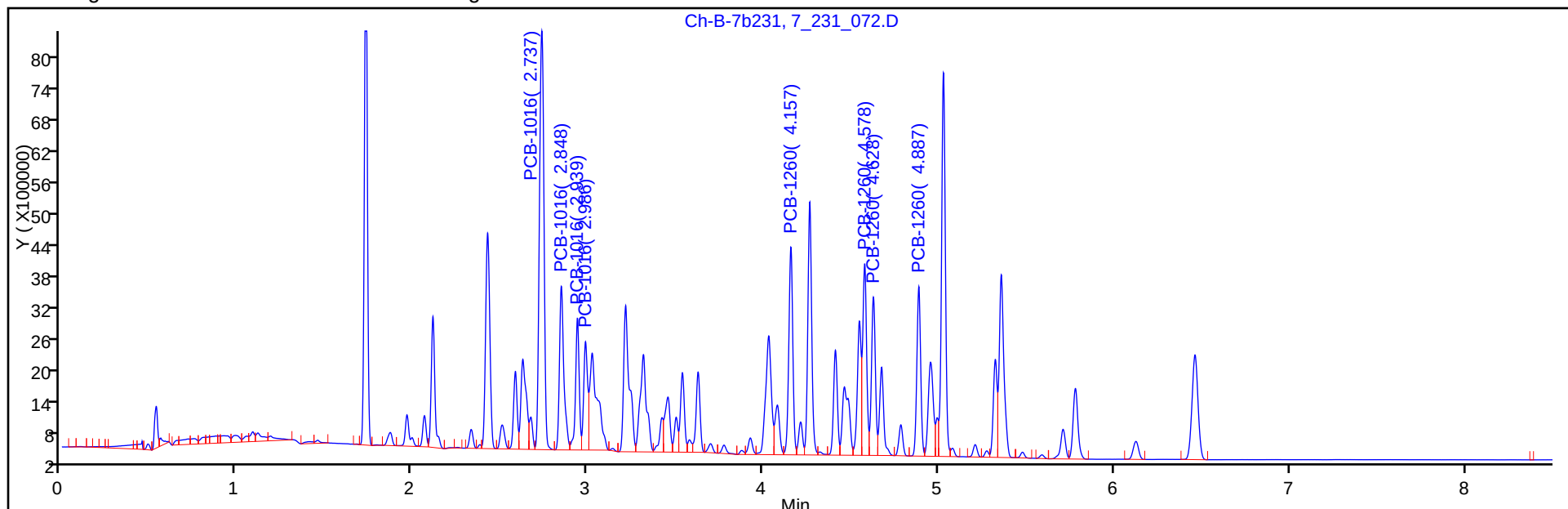
RPD = 1.06

Report Date: 29-Jul-2012 09:35:52 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_072.D
Injection Date: 26-Jul-2012 12:43:45 Limit Group: GC - 8082 PCB ICAL
Client ID: Instrument ID: HP6890-7
Lims Batch ID: 74010 Lims Sample ID: 3
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_073.D
 Lims ID: std1 Client ID:
 Inject. Date: 26-Jul-2012 12:59:39 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 4
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:37:19 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 26-Jul-2012 13:38:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.161	2.161	0.000	4429543	0.0405			
2	2	1.733	1.733	0.000	16722580	0.0406			

RPD = 0.22

6 PCB-1016

1	1	2.742	2.742	0.000	3672330	0.8955		100.0	
1	2	2.894	2.894	0.000	2221107	0.9255	22.8- 82.8	60.5	
1	3	3.098	3.098	0.000	7774535	0.9278	152.2- 212.2	211.7	
1	4	3.182	3.182	0.000	2834668	0.8727		100.0	
Average of Peak Amounts =						0.9054			
2	5	2.738	2.738	0.000	27663131	0.8790		100.0	
2	6	2.848	2.848	0.000	9971252	0.8717	5.5- 65.5	36.0	
2	7	2.940	2.940	0.000	6803816	0.9140	0.0- 49.9	24.6	
2	8	2.986	2.986	0.000	5965231	0.8947	0.0- 48.7	21.6	
Average of Peak Amounts =						0.8899			

RPD = 1.73

9 PCB-1260

1	1	5.087	5.087	0.000	2978366	0.9280		100.0	
1	2	5.278	5.278	0.000	2554336	0.9352	52.3- 112.3	85.8	
1	3	5.482	5.482	0.000	6808888	0.9362	192.4- 252.4	228.6	
1	4	5.743	5.743	0.000	2965869	0.9291		100.0	
Average of Peak Amounts =						0.9321			
2	5	4.158	4.158	0.000	11842959	0.8773		100.0	
2	6	4.578	4.578	0.000	10918670	0.9103	54.7- 114.7	92.2	
2	7	4.628	4.628	0.000	9035012	0.8980	40.7- 100.7	76.3	
2	8	4.886	4.886	0.000	9475443	0.9297	37.7- 97.7	80.0	
Average of Peak Amounts =						0.9038			

RPD = 3.08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.247	7.247	0.000	2239682	0.0396			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.463	6.463	0.000	6327214	0.0388			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 2.02

Report Date: 29-Jul-2012 09:37:20

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_073.D

Injection Date: 26-Jul-2012 12:59:39

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

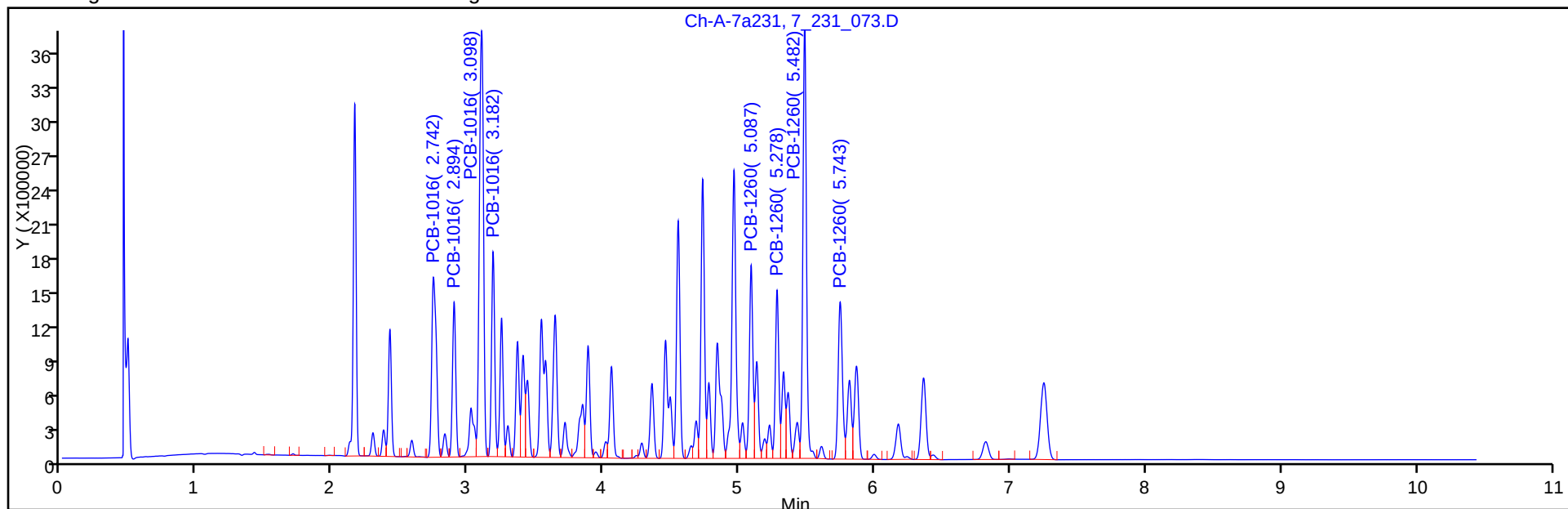
Lims Batch ID: 74010

Lims Sample ID: 4

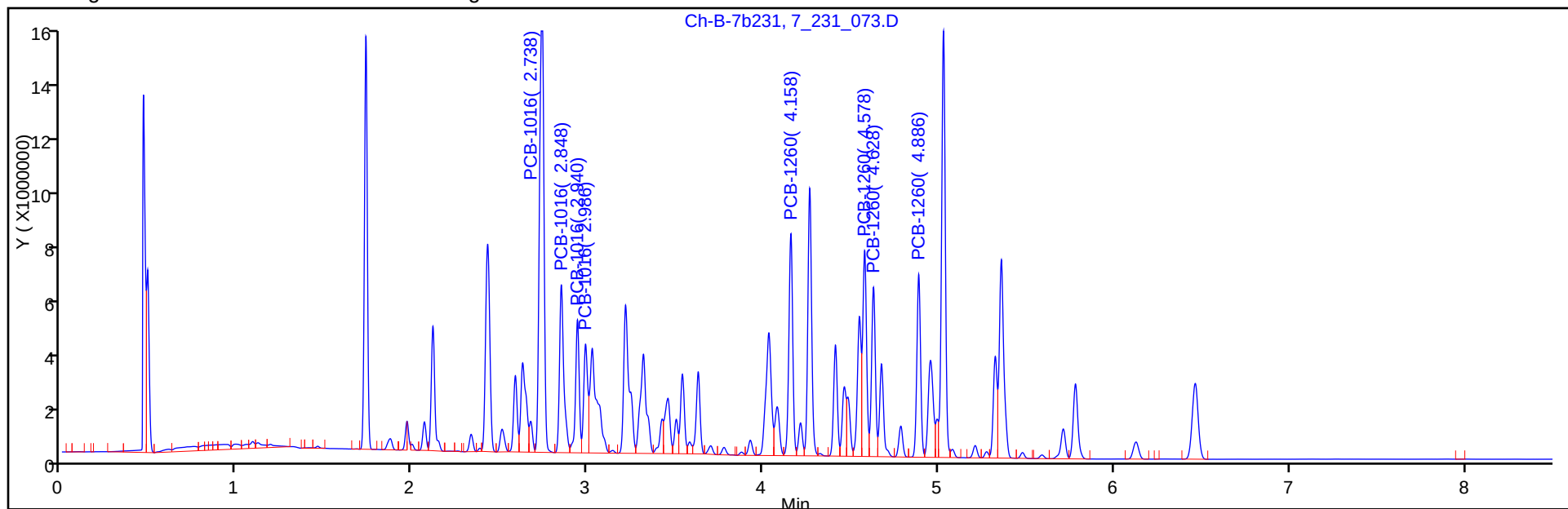
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_074.D
 Lims ID: std2 Client ID:
 Inject. Date: 26-Jul-2012 13:15:35 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 5
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 09:35:55 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:39:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.162	2.162	0.000	5353381	0.0490			
2	2	1.734	1.734	0.000	19785297	0.0481			

RPD = 1.90

6 PCB-1016

1	1	2.743	2.743	0.000	8162502	1.99		100.0	
1	2	2.895	2.895	0.000	4967672	2.07	22.8- 82.8	60.9	
1	3	3.099	3.099	0.000	18102151	2.16	152.2- 212.2	221.8	
1	4	3.183	3.183	0.000	6476520	1.99		100.0	
Average of Peak Amounts =						2.05			
2	5	2.738	2.738	0.000	66494768	2.11		100.0	
2	6	2.848	2.848	0.000	22584121	1.97	5.5- 65.5	34.0	
2	7	2.940	2.940	0.000	15556852	2.09	0.0- 49.9	23.4	
2	8	2.987	2.987	0.000	13677391	2.05	0.0- 48.7	20.6	
Average of Peak Amounts =						2.06			

RPD = 0.17

9 PCB-1260

1	1	5.088	5.088	0.000	7103559	2.21		100.0	
1	2	5.279	5.279	0.000	6107314	2.24	52.3- 112.3	86.0	
1	3	5.481	5.481	0.000	16681021	2.29	192.4- 252.4	234.8	
1	4	5.743	5.743	0.000	7078488	2.22		100.0	
Average of Peak Amounts =						2.24			
2	5	4.158	4.158	0.000	28616140	2.12		100.0	
2	6	4.578	4.578	0.000	26408247	2.20	54.7- 114.7	92.3	
2	7	4.628	4.628	0.000	21947612	2.18	40.7- 100.7	76.7	
2	8	4.887	4.887	0.000	22764283	2.23	37.7- 97.7	79.6	
Average of Peak Amounts =						2.18			

RPD = 2.53

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.247	7.247	0.000	2621773	0.0463			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.463	6.463	0.000	7388530	0.0453			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 2.27

Report Date: 29-Jul-2012 09:35:55

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_074.D

Injection Date: 26-Jul-2012 13:15:35

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

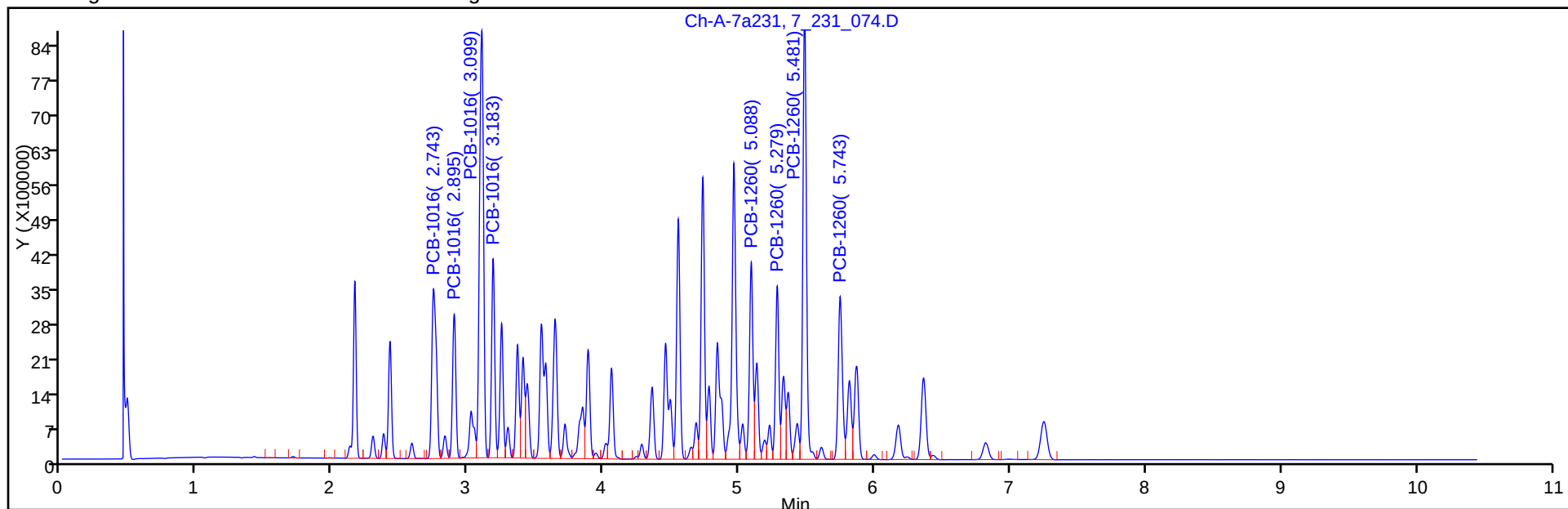
Lims Batch ID: 74010

Lims Sample ID: 5

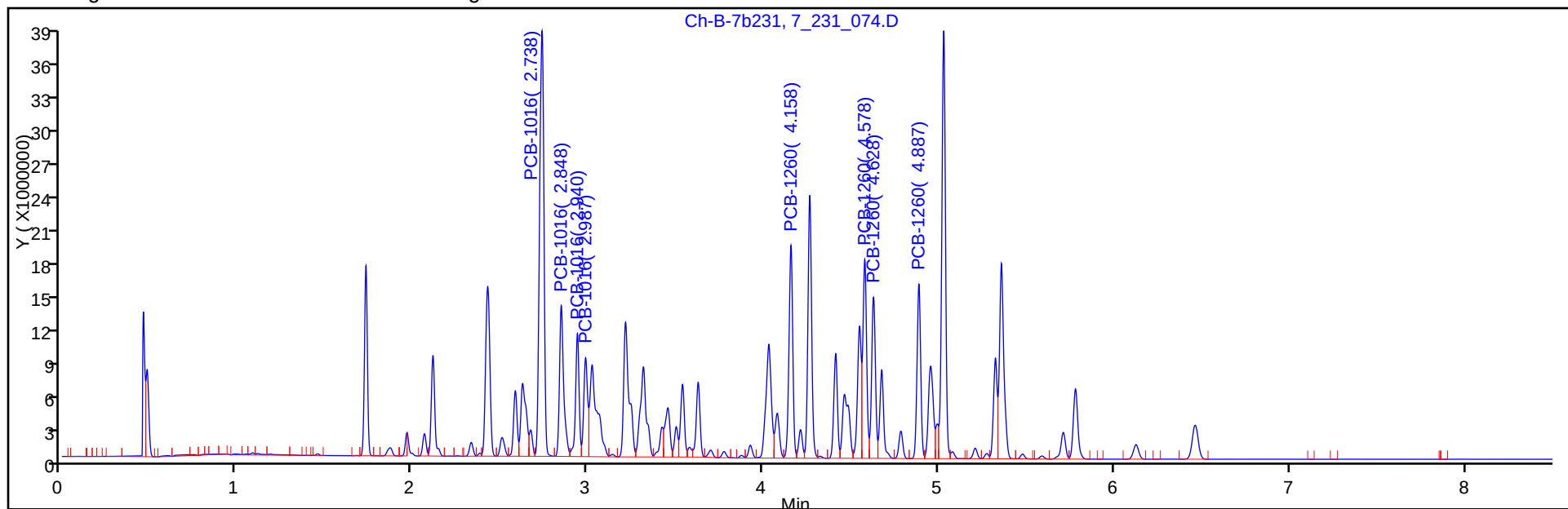
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 13:47 Calibration End Date: 07/26/2012 13:47 Calibration ID: 9553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-74010/7	7_231_076.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.706										1.676 - 1.736	1.706
PCB-1221 Peak 2	1.976										1.946 - 2.006	1.976
PCB-1221 Peak 3	2.297										2.267 - 2.327	2.297
PCB-1221 Peak 4	2.422										2.392 - 2.452	2.422

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 13:47 Calibration End Date: 07/26/2012 13:47 Calibration ID: 9553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-74010/7	7_231_076.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	630278				Ave		630278.000						20.0			
PCB-1221 Peak 2	210270				Ave		210270.000						20.0			
PCB-1221 Peak 3	1074214				Ave		1074214.00						20.0			
PCB-1221 Peak 4	2492520				Ave		2492520.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 13:47 Calibration End Date: 07/26/2012 13:47 Calibration ID: 9553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-74010/7	7_231_076.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	315139					0.500				
PCB-1221 Peak 2	Ave	105135					0.500				
PCB-1221 Peak 3	Ave	537107					0.500				
PCB-1221 Peak 4	Ave	1246260					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_076.D
 Lims ID: std1221 Client ID:
 Inject. Date: 26-Jul-2012 13:47:29 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 7
 Sublist: chrom-HP7-PCBS*sub2
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:36 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:40:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	1.706	1.706	0.000	315139	0.5000		100.0	
1	2	1.976	1.976	0.000	105135	0.5000	3.4- 63.4	33.4	A
1	3	2.297	2.297	0.000	537107	0.5000	140.4- 200.4	170.4	A
1	4	2.422	2.422	0.000	1246260	0.5000	365.5- 425.5	395.5	A
		Average of Peak Amounts =				0.5000			
2	5	1.459	1.459	0.000	1169401	0.5000		100.0	
2	6	1.968	1.968	0.000	2143516	0.5000	153.3- 213.3	183.3	A
2	7	2.068	2.068	0.000	1357468	0.5000	86.1- 146.1	116.1	A
2	8	2.117	2.117	0.000	4077278	0.5000	318.7- 378.7	348.7	A
		Average of Peak Amounts =				0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:37

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_076.D

Injection Date: 26-Jul-2012 13:47:29

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

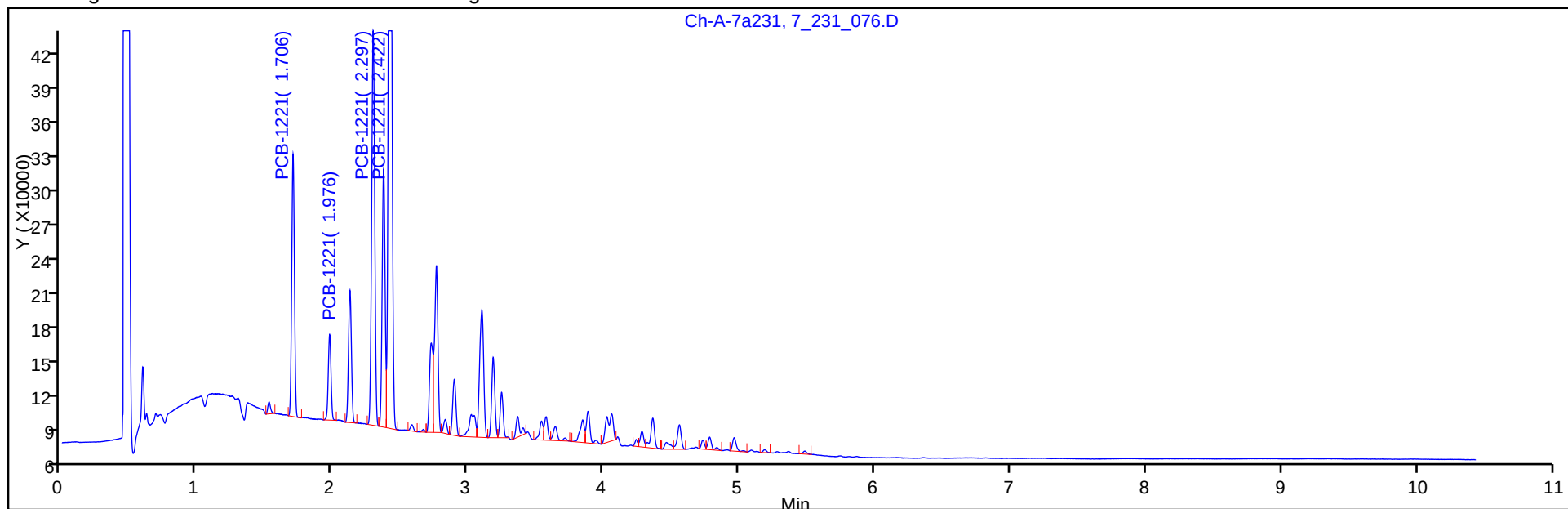
Lims Batch ID: 74010

Lims Sample ID: 7

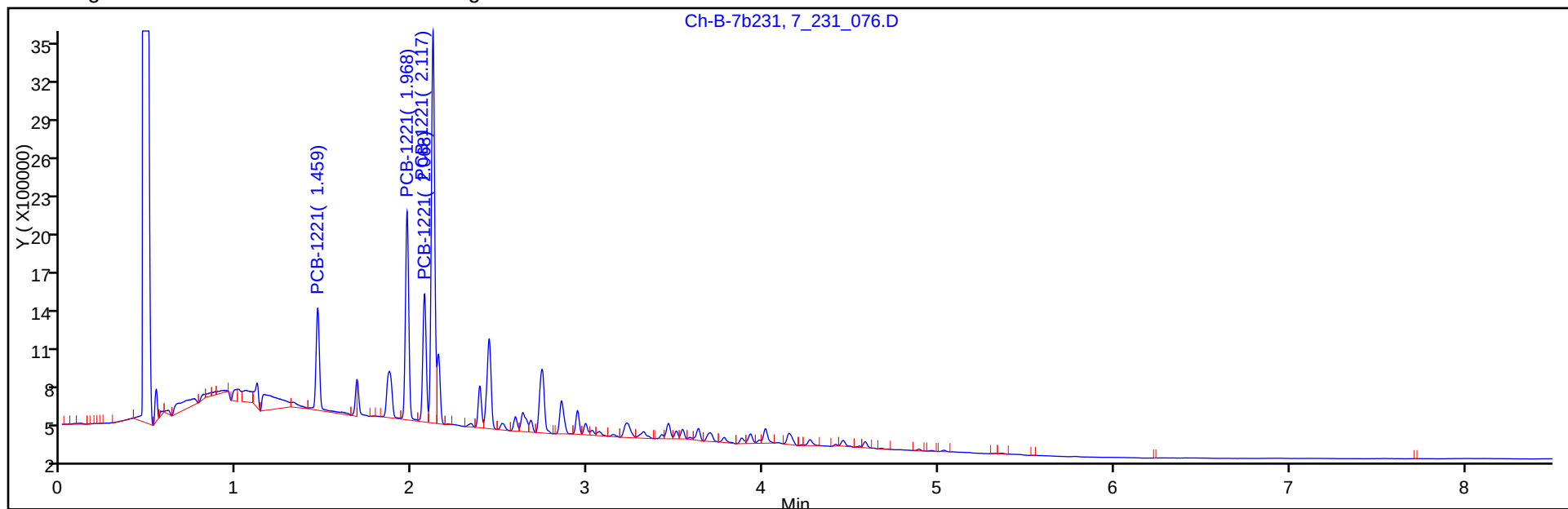
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 13:47 Calibration End Date: 07/26/2012 13:47 Calibration ID: 9554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-74010/7	7_231_076.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.459										1.429 - 1.489	1.459
PCB-1221 Peak 2	1.968										1.938 - 1.998	1.968
PCB-1221 Peak 3	2.068										2.038 - 2.098	2.068
PCB-1221 Peak 4	2.117										2.087 - 2.147	2.117

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 13:47 Calibration End Date: 07/26/2012 13:47 Calibration ID: 9554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-74010/7	7_231_076.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	2338802				Ave		2338802.00						20.0			
PCB-1221 Peak 2	4287032				Ave		4287032.00						20.0			
PCB-1221 Peak 3	2714936				Ave		2714936.00						20.0			
PCB-1221 Peak 4	8154556				Ave		8154556.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 13:47 Calibration End Date: 07/26/2012 13:47 Calibration ID: 9554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-74010/7	7_231_076.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	1169401					0.500				
PCB-1221 Peak 2	Ave	2143516					0.500				
PCB-1221 Peak 3	Ave	1357468					0.500				
PCB-1221 Peak 4	Ave	4077278					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_076.D
 Lims ID: std1221 Client ID:
 Inject. Date: 26-Jul-2012 13:47:29 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 7
 Sublist: chrom-HP7-PCBS*sub2
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:36 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:40:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	1.706	1.706	0.000	315139	0.5000		100.0	
1	2	1.976	1.976	0.000	105135	0.5000	3.4- 63.4	33.4	A
1	3	2.297	2.297	0.000	537107	0.5000	140.4- 200.4	170.4	A
1	4	2.422	2.422	0.000	1246260	0.5000	365.5- 425.5	395.5	A
Average of Peak Amounts =						0.5000			
2	5	1.459	1.459	0.000	1169401	0.5000		100.0	
2	6	1.968	1.968	0.000	2143516	0.5000	153.3- 213.3	183.3	A
2	7	2.068	2.068	0.000	1357468	0.5000	86.1- 146.1	116.1	A
2	8	2.117	2.117	0.000	4077278	0.5000	318.7- 378.7	348.7	A
Average of Peak Amounts =						0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:37

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_076.D

Injection Date: 26-Jul-2012 13:47:29

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

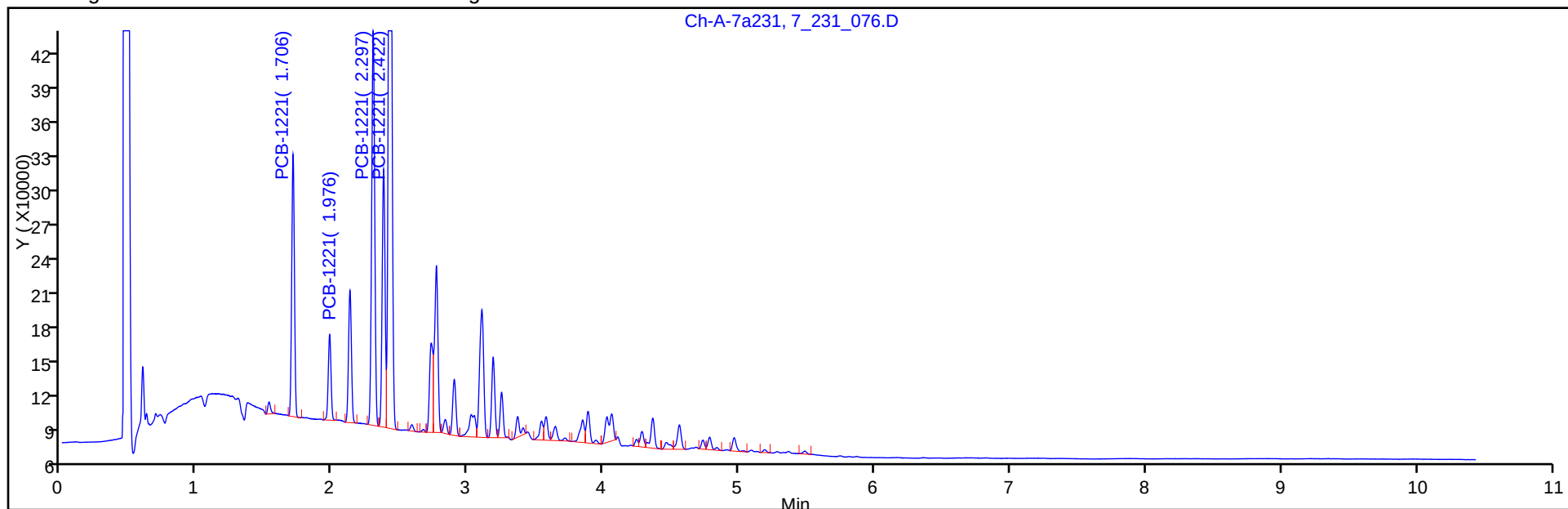
Lims Batch ID: 74010

Lims Sample ID: 7

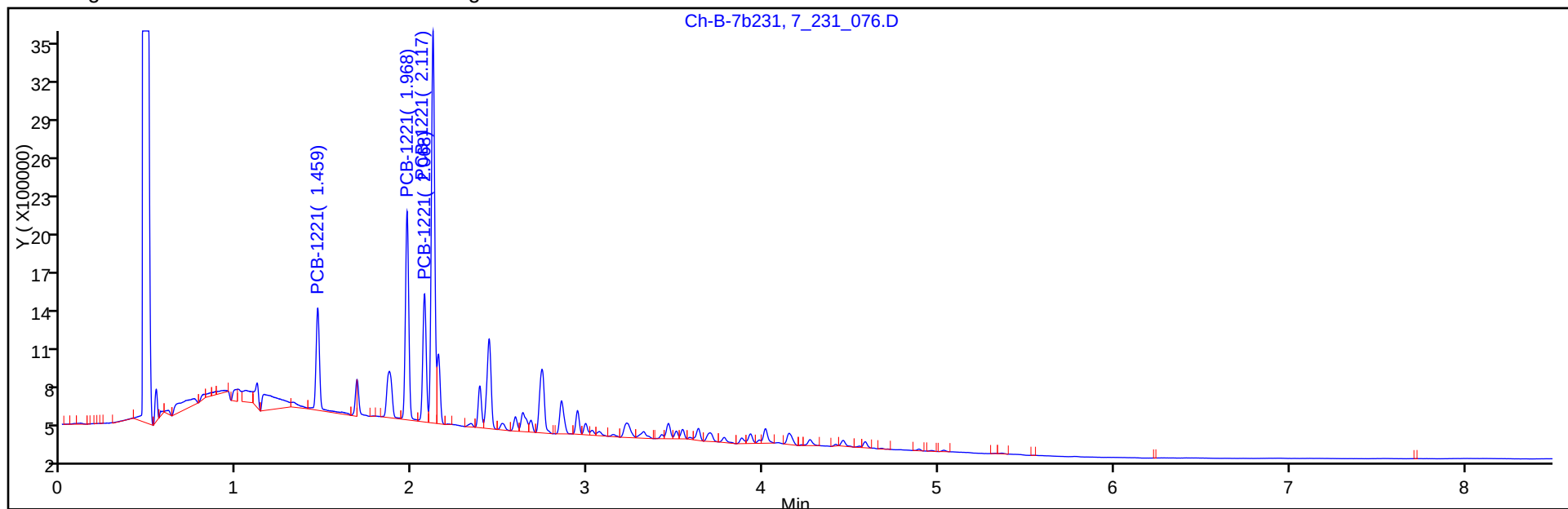
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:19 Calibration End Date: 07/26/2012 14:19 Calibration ID: 9559

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-74010/9	7_231_078.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.422										2.392 - 2.452	2.422
PCB-1232 Peak 2	2.743										2.713 - 2.773	2.743
PCB-1232 Peak 3	2.895										2.865 - 2.925	2.895
PCB-1232 Peak 4	3.098										3.068 - 3.128	3.098

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:19 Calibration End Date: 07/26/2012 14:19 Calibration ID: 9559

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-74010/9	7_231_078.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	2297142				Ave		2297142.00						20.0			
PCB-1232 Peak 2	2148732				Ave		2148732.00						20.0			
PCB-1232 Peak 3	1138270				Ave		1138270.00						20.0			
PCB-1232 Peak 4	3734204				Ave		3734204.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:19 Calibration End Date: 07/26/2012 14:19 Calibration ID: 9559

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-74010/9	7_231_078.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	1148571					0.500				
PCB-1232 Peak 2	Ave	1074366					0.500				
PCB-1232 Peak 3	Ave	569135					0.500				
PCB-1232 Peak 4	Ave	1867102					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_078.D
 Lims ID: std1232 Client ID:
 Inject. Date: 26-Jul-2012 14:19:17 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 9
 Sublist: chrom-HP7-PCBS*sub3
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:41 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:41:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
5 PCB-1232									
1	1	2.422	2.422	0.000	1148571	0.5000		100.0	
1	2	2.743	2.743	0.000	1074366	0.5000	63.5- 123.5	93.5	A
1	3	2.895	2.895	0.000	569135	0.5000	19.6- 79.6	49.6	A
1	4	3.098	3.098	0.000	1867102	0.5000	132.6- 192.6	162.6	A
Average of Peak Amounts =						0.5000			
2	5	2.117	2.117	0.000	3884393	0.5000		100.0	
2	6	2.430	2.430	0.000	3666188	0.5000	64.4- 124.4	94.4	A
2	7	2.738	2.738	0.000	6625704	0.5000	140.6- 200.6	170.6	A
2	8	2.849	2.849	0.000	2612221	0.5000	37.2- 97.2	67.2	A
Average of Peak Amounts =						0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:41

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_078.D

Injection Date: 26-Jul-2012 14:19:17

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

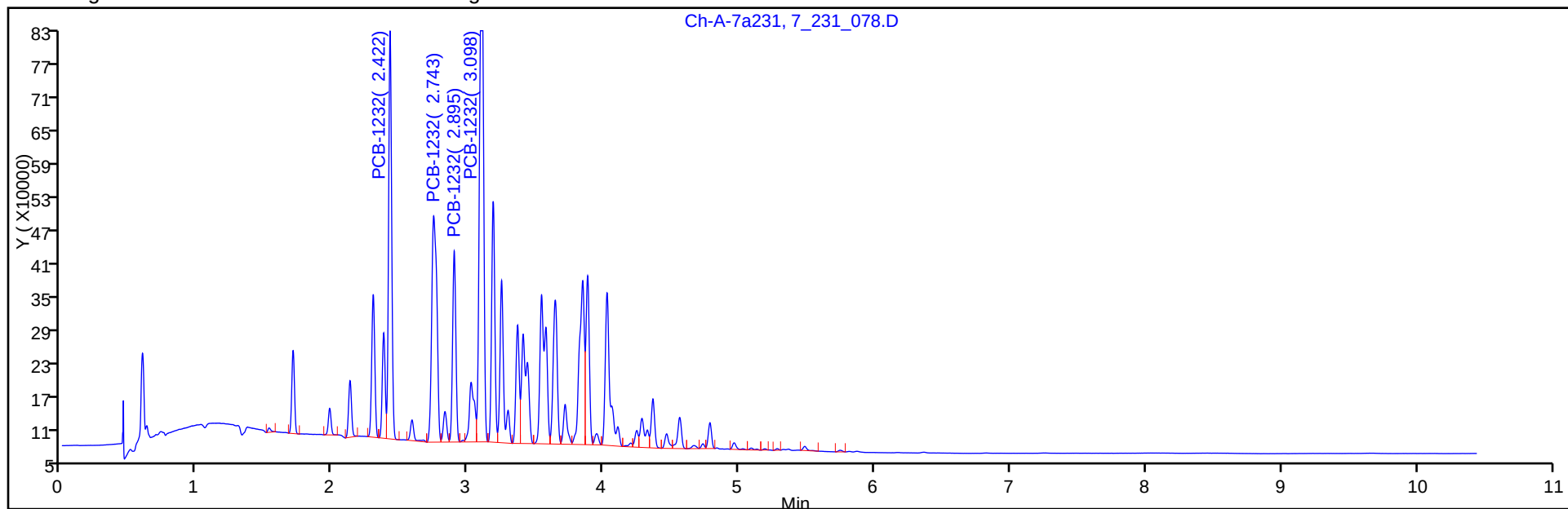
Lims Batch ID: 74010

Lims Sample ID: 9

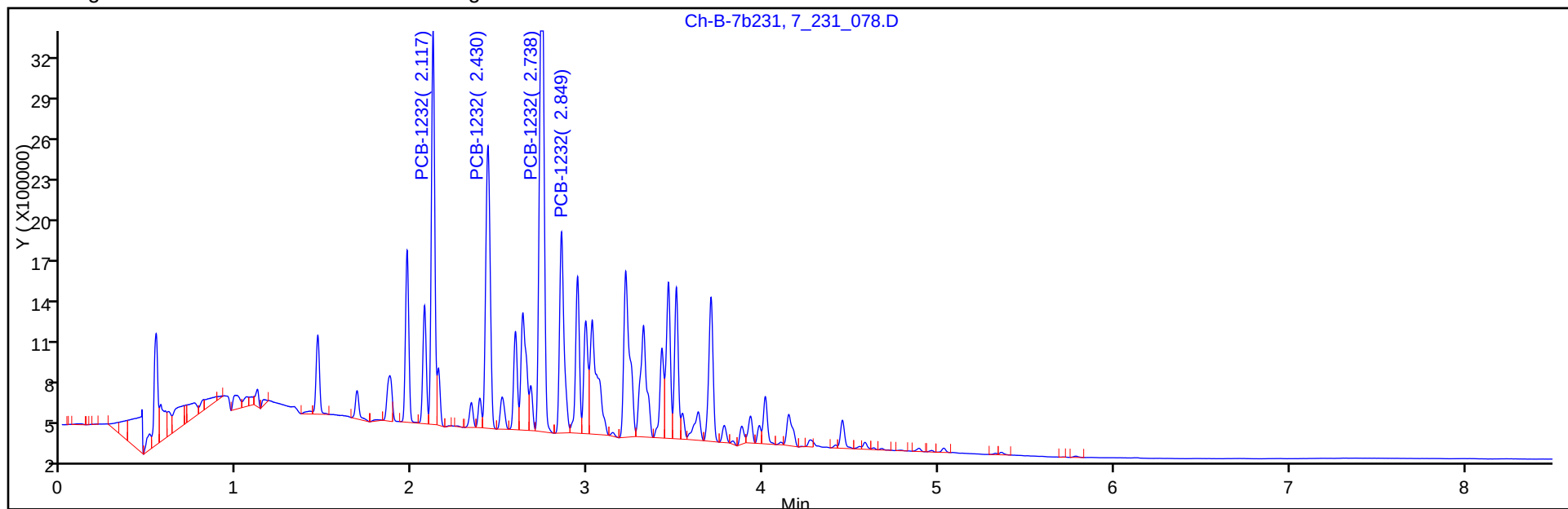
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:19 Calibration End Date: 07/26/2012 14:19 Calibration ID: 9560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-74010/9	7_231_078.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.117										2.087 - 2.147	2.117
PCB-1232 Peak 2	2.430										2.400 - 2.460	2.430
PCB-1232 Peak 3	2.738										2.708 - 2.768	2.738
PCB-1232 Peak 4	2.849										2.819 - 2.879	2.849

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:19 Calibration End Date: 07/26/2012 14:19 Calibration ID: 9560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-74010/9	7_231_078.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	7768786				Ave		7768786.00						20.0			
PCB-1232 Peak 2	7332376				Ave		7332376.00						20.0			
PCB-1232 Peak 3	13251408				Ave		13251408.0						20.0			
PCB-1232 Peak 4	5224442				Ave		5224442.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:19 Calibration End Date: 07/26/2012 14:19 Calibration ID: 9560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-74010/9	7_231_078.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	3884393					0.500				
PCB-1232 Peak 2	Ave	3666188					0.500				
PCB-1232 Peak 3	Ave	6625704					0.500				
PCB-1232 Peak 4	Ave	2612221					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_078.D
 Lims ID: std1232 Client ID:
 Inject. Date: 26-Jul-2012 14:19:17 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 9
 Sublist: chrom-HP7-PCBS*sub3
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:41 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 08:41:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
5 PCB-1232									
1	1	2.422	2.422	0.000	1148571	0.5000		100.0	
1	2	2.743	2.743	0.000	1074366	0.5000	63.5- 123.5	93.5	A
1	3	2.895	2.895	0.000	569135	0.5000	19.6- 79.6	49.6	A
1	4	3.098	3.098	0.000	1867102	0.5000	132.6- 192.6	162.6	A
Average of Peak Amounts =						0.5000			
2	5	2.117	2.117	0.000	3884393	0.5000		100.0	
2	6	2.430	2.430	0.000	3666188	0.5000	64.4- 124.4	94.4	A
2	7	2.738	2.738	0.000	6625704	0.5000	140.6- 200.6	170.6	A
2	8	2.849	2.849	0.000	2612221	0.5000	37.2- 97.2	67.2	A
Average of Peak Amounts =						0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:41

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_078.D

Injection Date: 26-Jul-2012 14:19:17

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

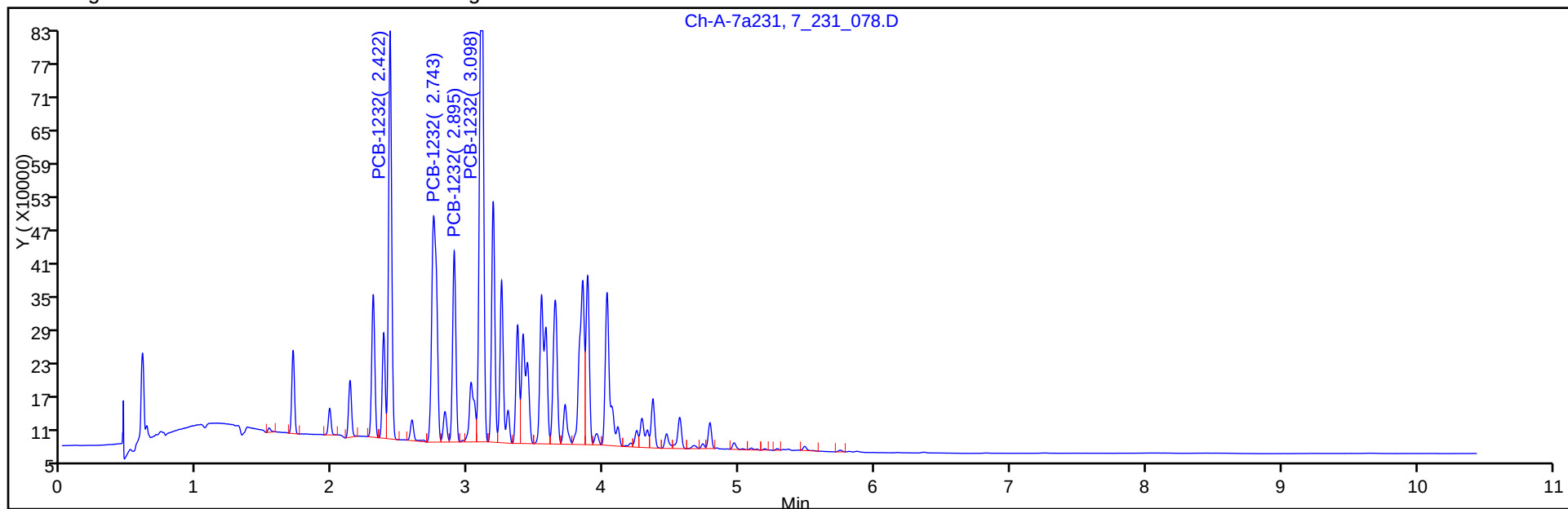
Lims Batch ID: 74010

Lims Sample ID: 9

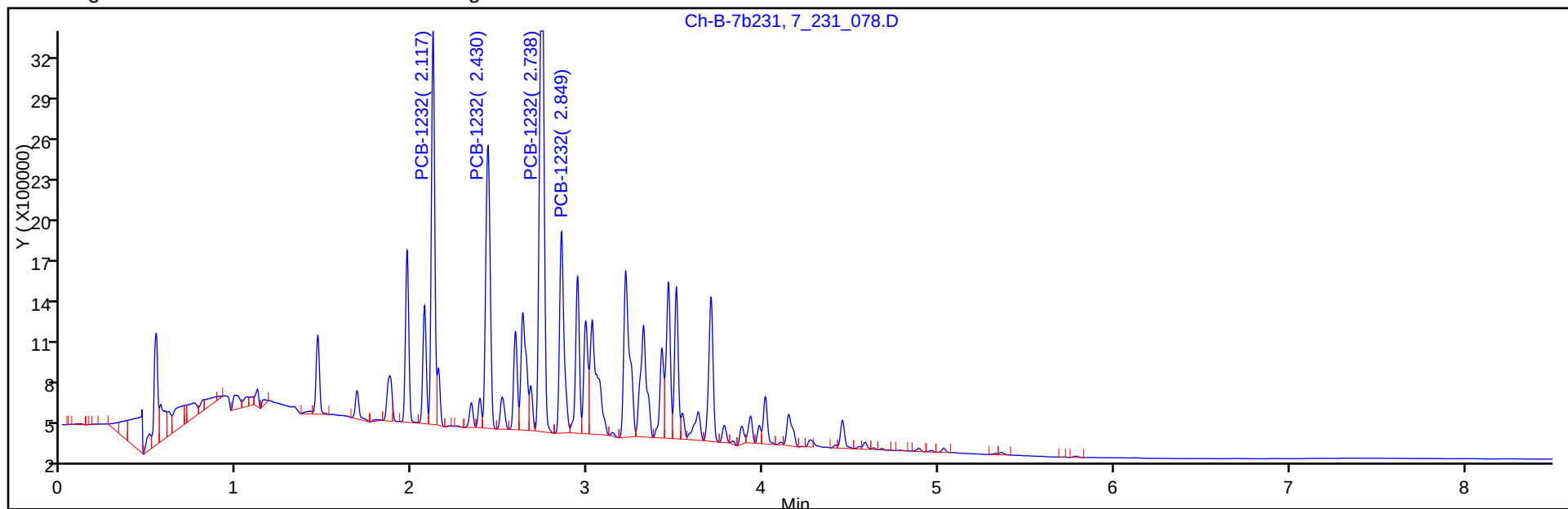
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:51 Calibration End Date: 07/26/2012 14:51 Calibration ID: 9565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-74010/11	7_231_080.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.743										2.713 - 2.773	2.743
PCB-1242 Peak 2	2.895										2.865 - 2.925	2.895
PCB-1242 Peak 3	3.098										3.068 - 3.128	3.098
PCB-1242 Peak 4	3.183										3.153 - 3.213	3.183

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:51 Calibration End Date: 07/26/2012 14:51 Calibration ID: 9565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-74010/11	7_231_080.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	3047424				Ave		3047424.00						20.0			
PCB-1242 Peak 2	1817906				Ave		1817906.00						20.0			
PCB-1242 Peak 3	6177764				Ave		6177764.00						20.0			
PCB-1242 Peak 4	2293920				Ave		2293920.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:51 Calibration End Date: 07/26/2012 14:51 Calibration ID: 9565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-74010/11	7_231_080.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	1523712					0.500				
PCB-1242 Peak 2	Ave	908953					0.500				
PCB-1242 Peak 3	Ave	3088882					0.500				
PCB-1242 Peak 4	Ave	1146960					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_080.D
 Lims ID: std1242 Client ID:
 Inject. Date: 26-Jul-2012 14:51:17 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 11
 Sublist: chrom-HP7-PCBS*sub4
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:45 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 09:23:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	2.743	2.743	0.000	1523712	0.5000		100.0	
1	2	2.895	2.895	0.000	908953	0.5000	29.7- 89.7	59.7	A
1	3	3.098	3.098	0.000	3088882	0.5000	172.7- 232.7	202.7	A
1	4	3.183	3.183	0.000	1146960	0.5000	45.3- 105.3	75.3	A
Average of Peak Amounts =						0.5000			
2	5	2.428	2.428	0.000	5375168	0.5000		100.0	
2	6	2.738	2.738	0.000	10798867	0.5000	170.9- 230.9	200.9	A
2	7	2.848	2.848	0.000	4144141	0.5000	47.1- 107.1	77.1	A
2	8	2.940	2.940	0.000	2789770	0.5000	21.9- 81.9	51.9	A
Average of Peak Amounts =						0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:46

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_080.D

Injection Date: 26-Jul-2012 14:51:17

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

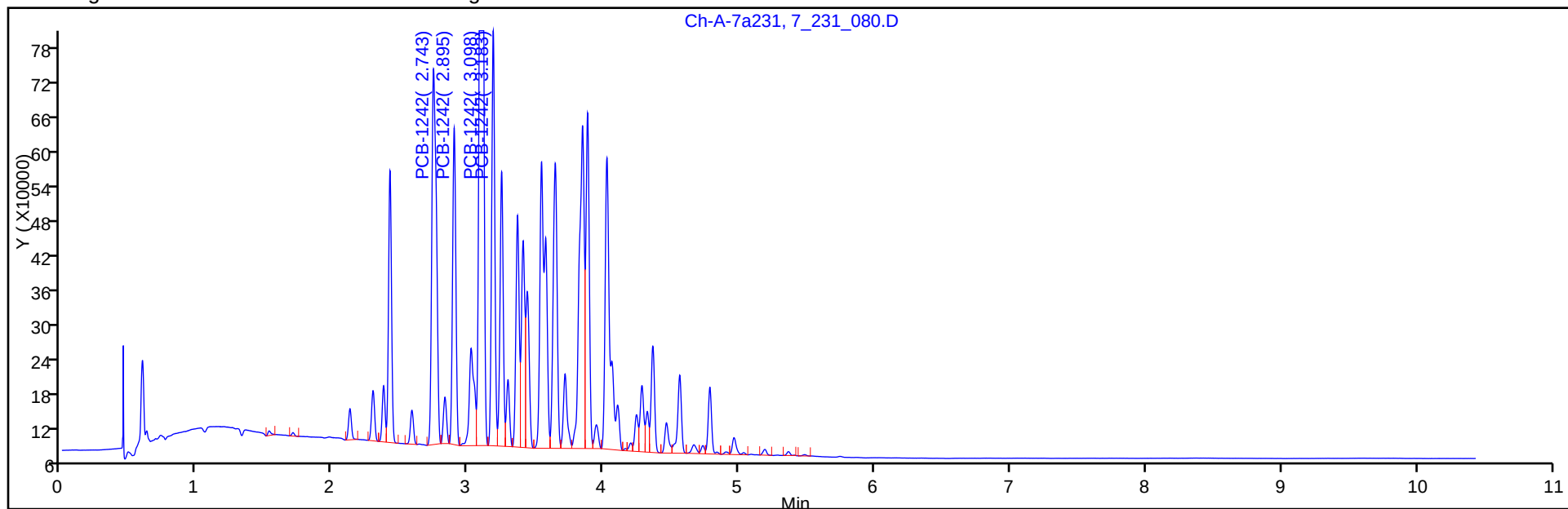
Lims Batch ID: 74010

Lims Sample ID: 11

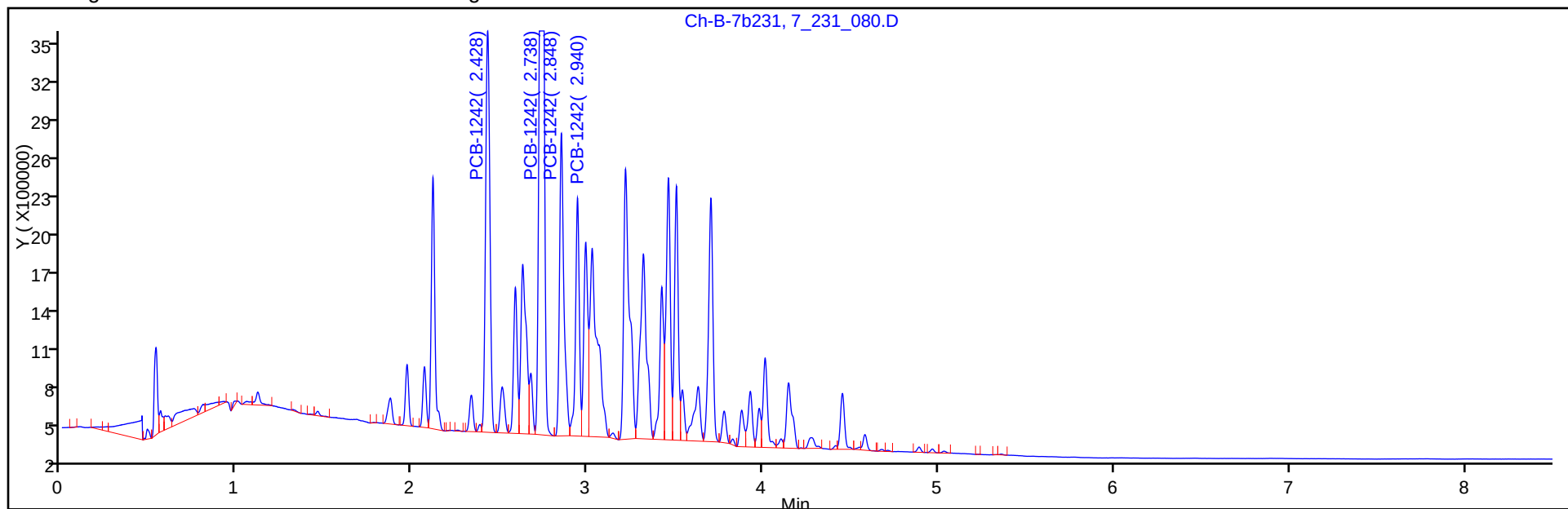
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:51 Calibration End Date: 07/26/2012 14:51 Calibration ID: 9566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-74010/11	7_231_080.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.428										2.398 - 2.458	2.428
PCB-1242 Peak 2	2.738										2.708 - 2.768	2.738
PCB-1242 Peak 3	2.848										2.818 - 2.878	2.848
PCB-1242 Peak 4	2.940										2.910 - 2.970	2.940

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:51 Calibration End Date: 07/26/2012 14:51 Calibration ID: 9566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-74010/11	7_231_080.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	10750336				Ave		10750336.0						20.0			
PCB-1242 Peak 2	21597734				Ave		21597734.0						20.0			
PCB-1242 Peak 3	8288282				Ave		8288282.00						20.0			
PCB-1242 Peak 4	5579540				Ave		5579540.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 14:51 Calibration End Date: 07/26/2012 14:51 Calibration ID: 9566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-74010/11	7_231_080.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	5375168					0.500				
PCB-1242 Peak 2	Ave	10798867					0.500				
PCB-1242 Peak 3	Ave	4144141					0.500				
PCB-1242 Peak 4	Ave	2789770					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_080.D
 Lims ID: std1242 Client ID:
 Inject. Date: 26-Jul-2012 14:51:17 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 11
 Sublist: chrom-HP7-PCBS*sub4
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:45 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 09:23:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	2.743	2.743	0.000	1523712	0.5000		100.0	
1	2	2.895	2.895	0.000	908953	0.5000	29.7- 89.7	59.7	A
1	3	3.098	3.098	0.000	3088882	0.5000	172.7- 232.7	202.7	A
1	4	3.183	3.183	0.000	1146960	0.5000	45.3- 105.3	75.3	A
Average of Peak Amounts =						0.5000			
2	5	2.428	2.428	0.000	5375168	0.5000		100.0	
2	6	2.738	2.738	0.000	10798867	0.5000	170.9- 230.9	200.9	A
2	7	2.848	2.848	0.000	4144141	0.5000	47.1- 107.1	77.1	A
2	8	2.940	2.940	0.000	2789770	0.5000	21.9- 81.9	51.9	A
Average of Peak Amounts =						0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:46

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_080.D

Injection Date: 26-Jul-2012 14:51:17

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

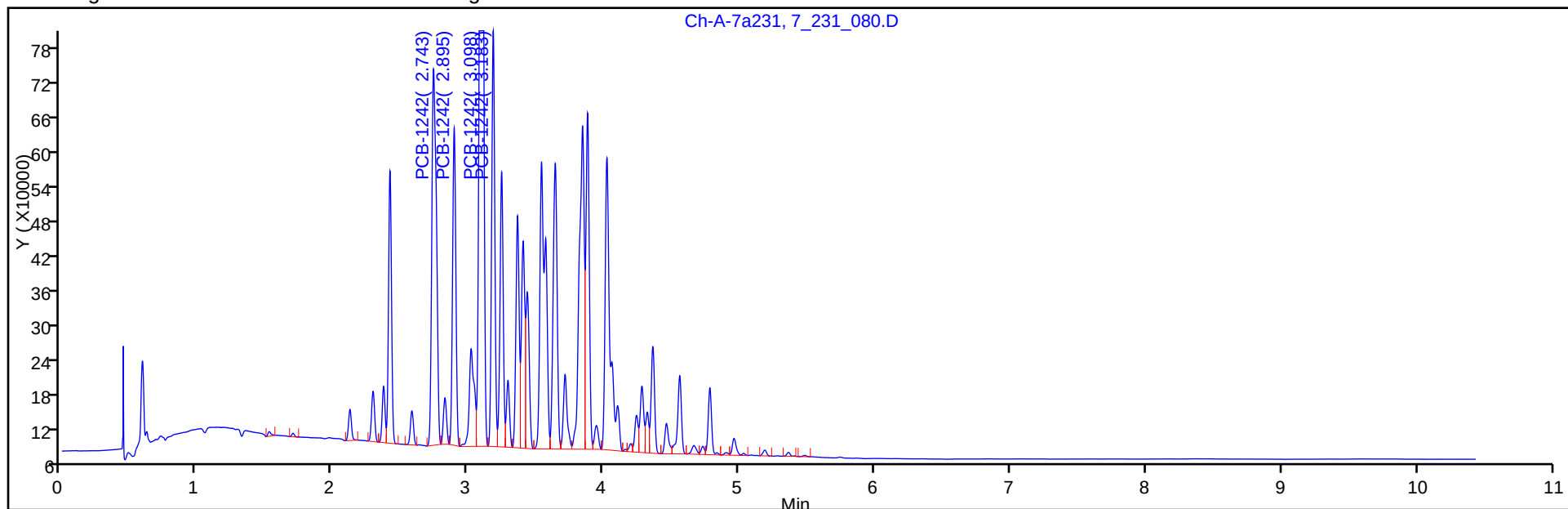
Lims Batch ID: 74010

Lims Sample ID: 11

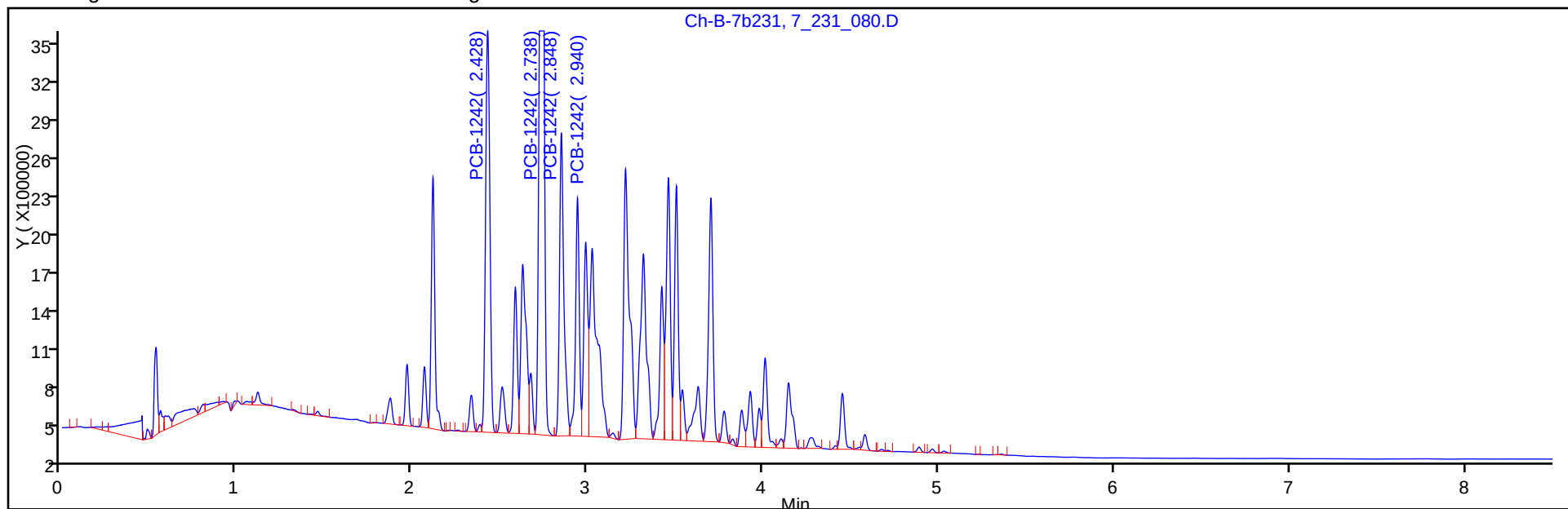
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:23 Calibration End Date: 07/26/2012 15:23 Calibration ID: 9571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-74010/13	7_231_082.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.539										3.509 - 3.569	3.539
PCB-1248 Peak 2	3.639										3.609 - 3.669	3.639
PCB-1248 Peak 3	3.843										3.813 - 3.873	3.843
PCB-1248 Peak 4	4.023										3.993 - 4.053	4.023

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:23 Calibration End Date: 07/26/2012 15:23 Calibration ID: 9571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-74010/13	7_231_082.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	4117540				Ave		4117540.00						20.0			
PCB-1248 Peak 2	3220346				Ave		3220346.00						20.0			
PCB-1248 Peak 3	5171340				Ave		5171340.00						20.0			
PCB-1248 Peak 4	3080502				Ave		3080502.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:23 Calibration End Date: 07/26/2012 15:23 Calibration ID: 9571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-74010/13	7_231_082.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	2058770					0.500				
PCB-1248 Peak 2	Ave	1610173					0.500				
PCB-1248 Peak 3	Ave	2585670					0.500				
PCB-1248 Peak 4	Ave	1540251					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_082.D
 Lims ID: std1248 Client ID:
 Inject. Date: 26-Jul-2012 15:23:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 13
 Sublist: chrom-HP7-PCBS*sub5
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:49 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 09:25:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
7 PCB-1248									
1	1	3.539	3.539	0.000	2058770	0.5000		100.0	
1	2	3.639	3.639	0.000	1610173	0.5000	48.2- 108.2	78.2	A
1	3	3.843	3.843	0.000	2585670	0.5000	95.6- 155.6	125.6	A
1	4	4.023	4.023	0.000	1540251	0.5000	44.8- 104.8	74.8	M
Average of Peak Amounts =						0.5000			
2	5	3.214	3.214	0.000	5298297	0.5000		100.0	
2	6	3.317	3.317	0.000	5652078	0.5000	76.7- 136.7	106.7	A
2	7	3.460	3.460	0.000	6071732	0.5000	84.6- 144.6	114.6	A
2	8	3.503	3.503	0.000	4976728	0.5000	63.9- 123.9	93.9	A
Average of Peak Amounts =						0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:50

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_082.D

Injection Date: 26-Jul-2012 15:23:05

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

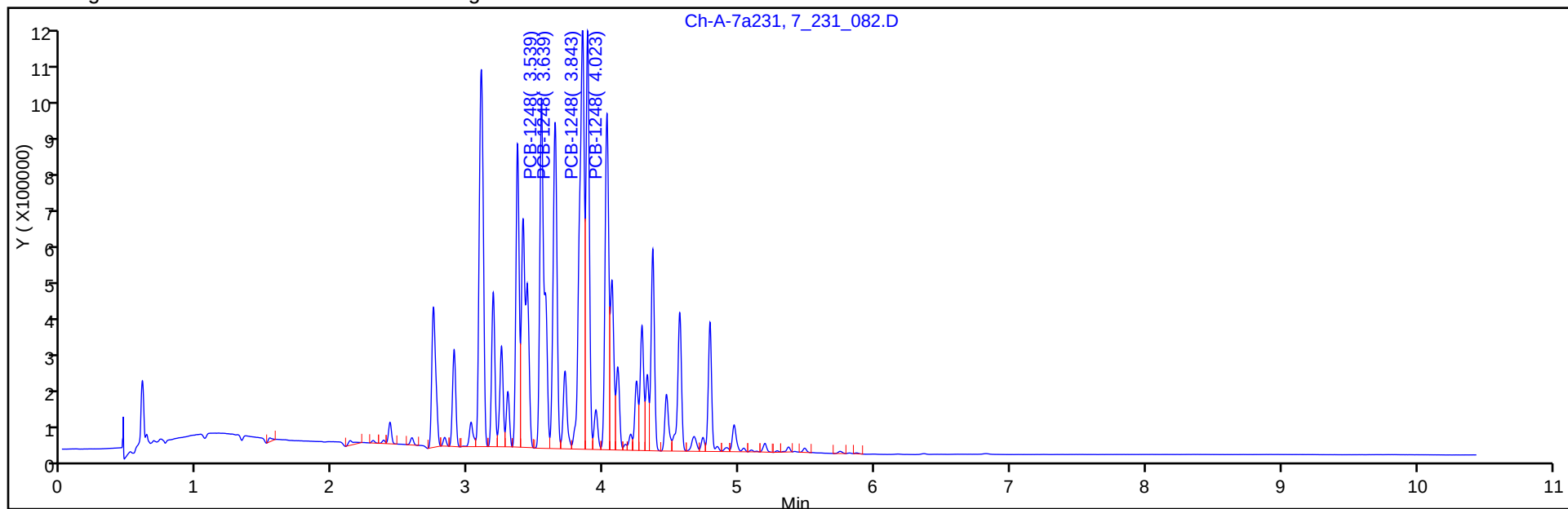
Lims Batch ID: 74010

Lims Sample ID: 13

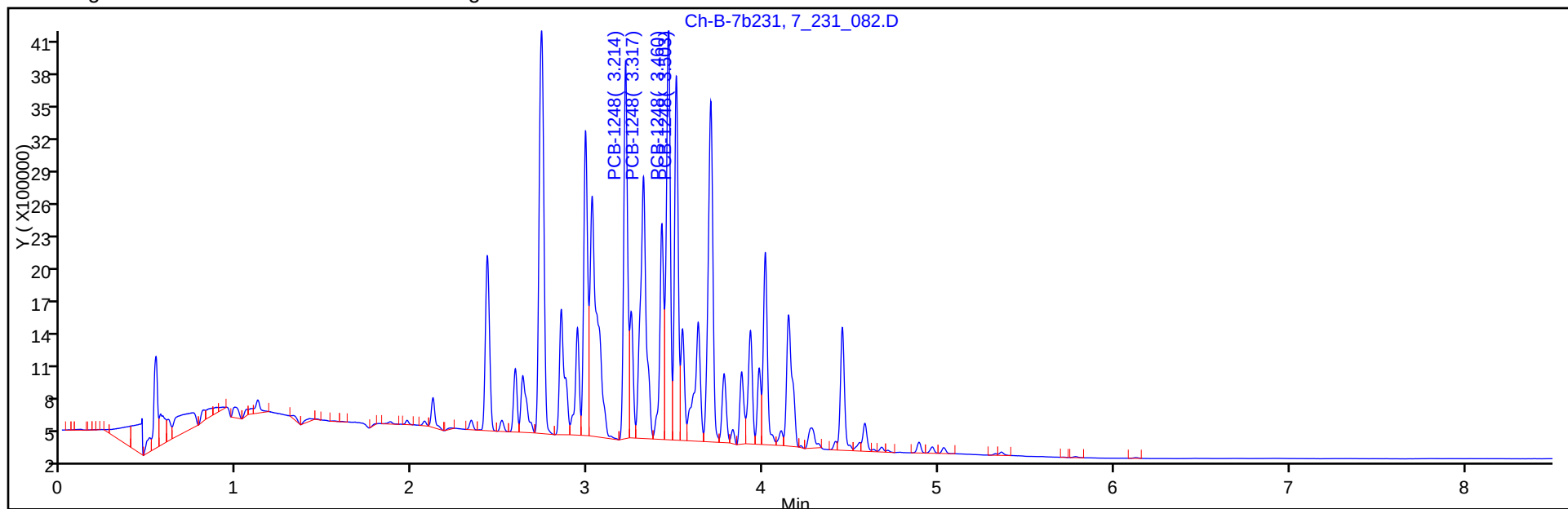
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:23 Calibration End Date: 07/26/2012 15:23 Calibration ID: 9572

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-74010/13	7_231_082.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.214										3.184 - 3.244	3.214
PCB-1248 Peak 2	3.317										3.287 - 3.347	3.317
PCB-1248 Peak 3	3.460										3.430 - 3.490	3.460
PCB-1248 Peak 4	3.503										3.473 - 3.533	3.503

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:23 Calibration End Date: 07/26/2012 15:23 Calibration ID: 9572

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-74010/13	7_231_082.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	10596594				Ave		10596594.0						20.0			
PCB-1248 Peak 2	11304156				Ave		11304156.0						20.0			
PCB-1248 Peak 3	12143464				Ave		12143464.0						20.0			
PCB-1248 Peak 4	9953456				Ave		9953456.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:23 Calibration End Date: 07/26/2012 15:23 Calibration ID: 9572

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-74010/13	7_231_082.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	5298297					0.500				
PCB-1248 Peak 2	Ave	5652078					0.500				
PCB-1248 Peak 3	Ave	6071732					0.500				
PCB-1248 Peak 4	Ave	4976728					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_082.D
 Lims ID: std1248 Client ID:
 Inject. Date: 26-Jul-2012 15:23:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 13
 Sublist: chrom-HP7-PCBS*sub5
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:49 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 09:25:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
7 PCB-1248									
1	1	3.539	3.539	0.000	2058770	0.5000		100.0	
1	2	3.639	3.639	0.000	1610173	0.5000	48.2- 108.2	78.2	A
1	3	3.843	3.843	0.000	2585670	0.5000	95.6- 155.6	125.6	A
1	4	4.023	4.023	0.000	1540251	0.5000	44.8- 104.8	74.8	M
Average of Peak Amounts =						0.5000			
2	5	3.214	3.214	0.000	5298297	0.5000		100.0	
2	6	3.317	3.317	0.000	5652078	0.5000	76.7- 136.7	106.7	A
2	7	3.460	3.460	0.000	6071732	0.5000	84.6- 144.6	114.6	A
2	8	3.503	3.503	0.000	4976728	0.5000	63.9- 123.9	93.9	A
Average of Peak Amounts =						0.5000			
						RPD = 0.00			

Report Date: 29-Jul-2012 10:23:50

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_082.D

Injection Date: 26-Jul-2012 15:23:05

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

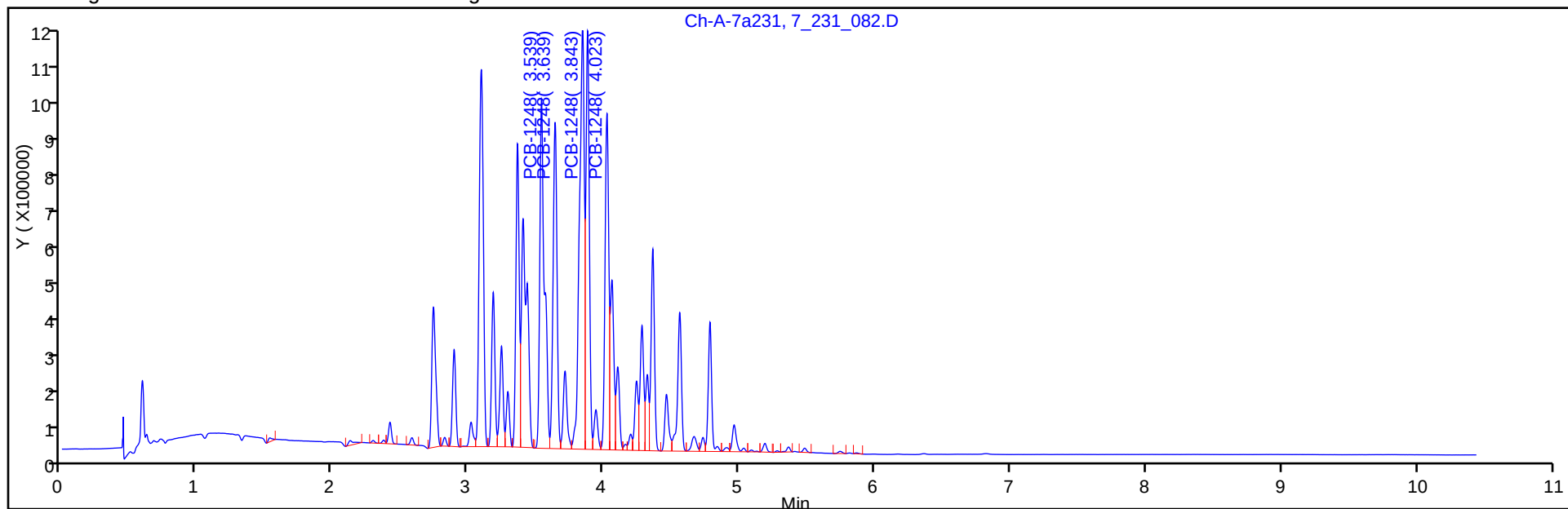
Lims Batch ID: 74010

Lims Sample ID: 13

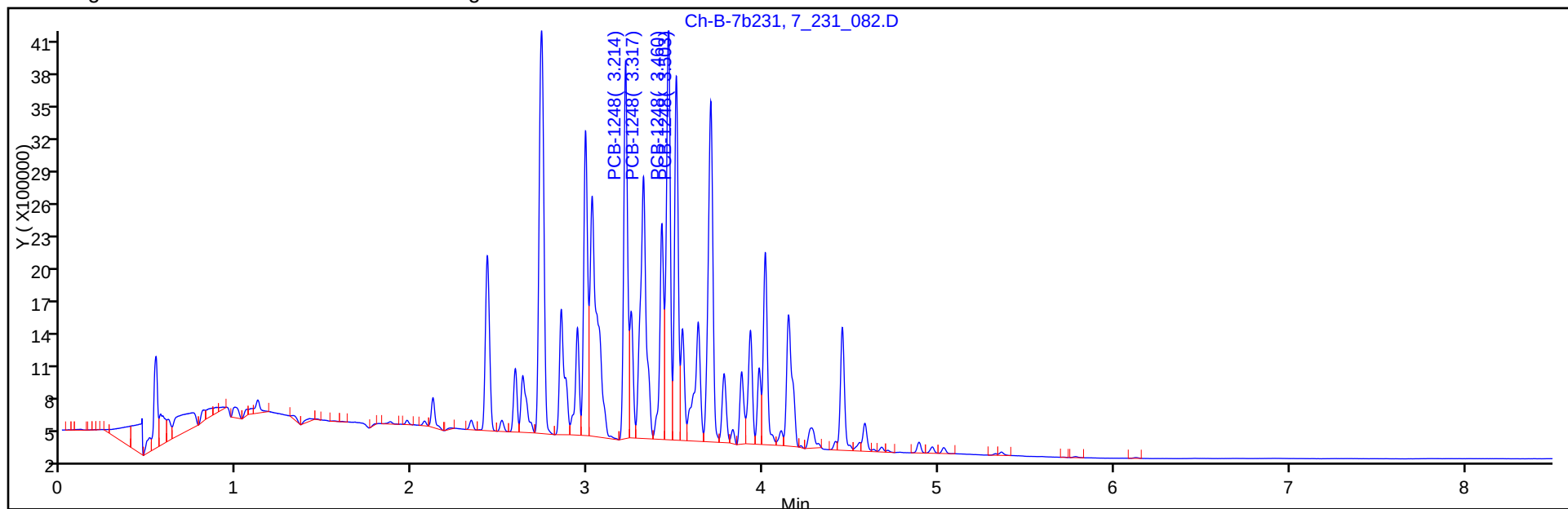
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:54 Calibration End Date: 07/26/2012 15:54 Calibration ID: 9577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-74010/15	7_231_084.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	4.281										4.251 - 4.311	4.281
PCB-1254 Peak 3	4.461										4.431 - 4.491	4.461
PCB-1254 Peak 2	4.558										4.528 - 4.588	4.558
PCB-1254 Peak 4	4.781										4.751 - 4.811	4.781

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:54 Calibration End Date: 07/26/2012 15:54 Calibration ID: 9577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-74010/15	7_231_084.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	2777054				Ave		2777054.00						20.0			
PCB-1254 Peak 3	1535836				Ave		1535836.00						20.0			
PCB-1254 Peak 2	5060602				Ave		5060602.00						20.0			
PCB-1254 Peak 4	2855876				Ave		2855876.00						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:54 Calibration End Date: 07/26/2012 15:54 Calibration ID: 9577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-74010/15	7_231_084.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	1388527					0.500				
PCB-1254 Peak 3	Ave	767918					0.500				
PCB-1254 Peak 2	Ave	2530301					0.500				
PCB-1254 Peak 4	Ave	1427938					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_084.D
 Lims ID: std1254 Client ID:
 Inject. Date: 26-Jul-2012 15:54:56 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 15
 Sublist: chrom-HP7-PCBS*sub6
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:54 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

First Level Reviewer: michalej

Date: 29-Jul-2012 09:26:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
8 PCB-1254									
1	1	4.281	4.281	0.000	1388527	0.5000		100.0	
1	2	4.558	4.558	0.000	2530301	0.5000	152.2- 212.2	182.2	A
1	3	4.461	4.461	0.000	767918	0.5000	25.3- 85.3	55.3	A
1	4	4.781	4.781	0.000	1427938	0.5000	72.8- 132.8	102.8	A
Average of Peak Amounts =						0.5000			
2	5	3.876	3.876	0.000	2070651	0.5000		100.0	
2	6	3.927	3.927	0.000	4279190	0.5000	176.7- 236.7	206.7	A
2	7	4.013	4.013	0.000	8921086	0.5000	400.8- 460.8	430.8	A
2	8	4.147	4.147	0.000	8628734	0.5000	386.7- 446.7	416.7	A
Average of Peak Amounts =						0.5000			
RPD = 0.00									

Report Date: 29-Jul-2012 10:23:54

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_084.D

Injection Date: 26-Jul-2012 15:54:56

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

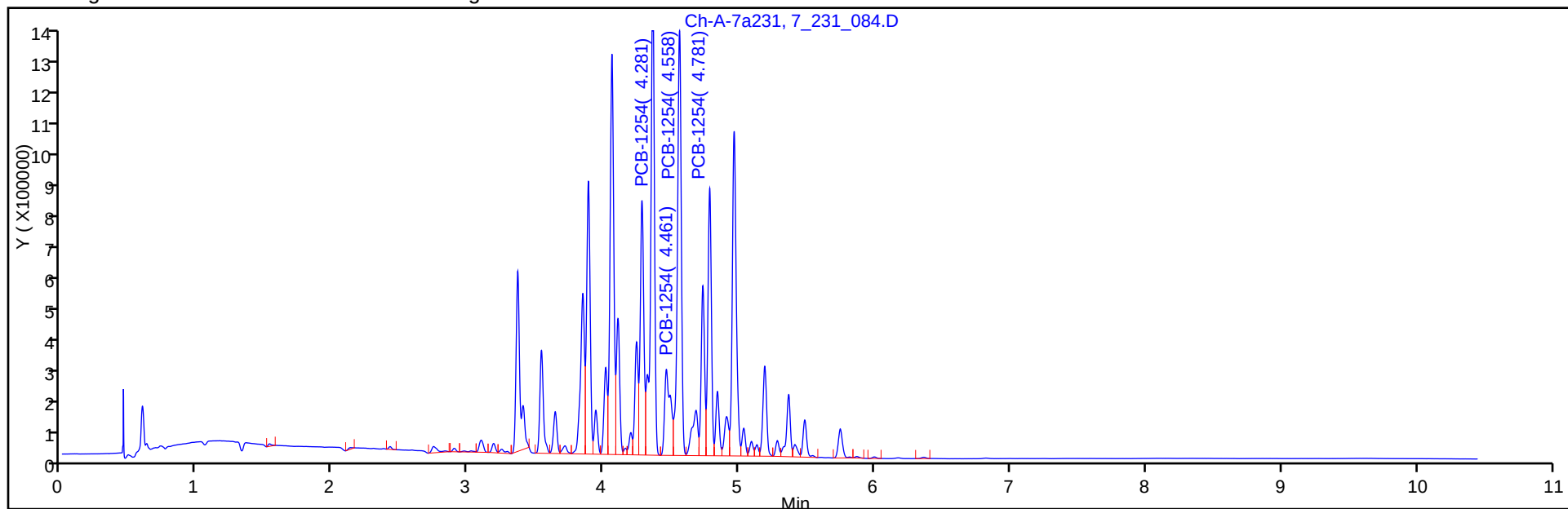
Lims Batch ID: 74010

Lims Sample ID: 15

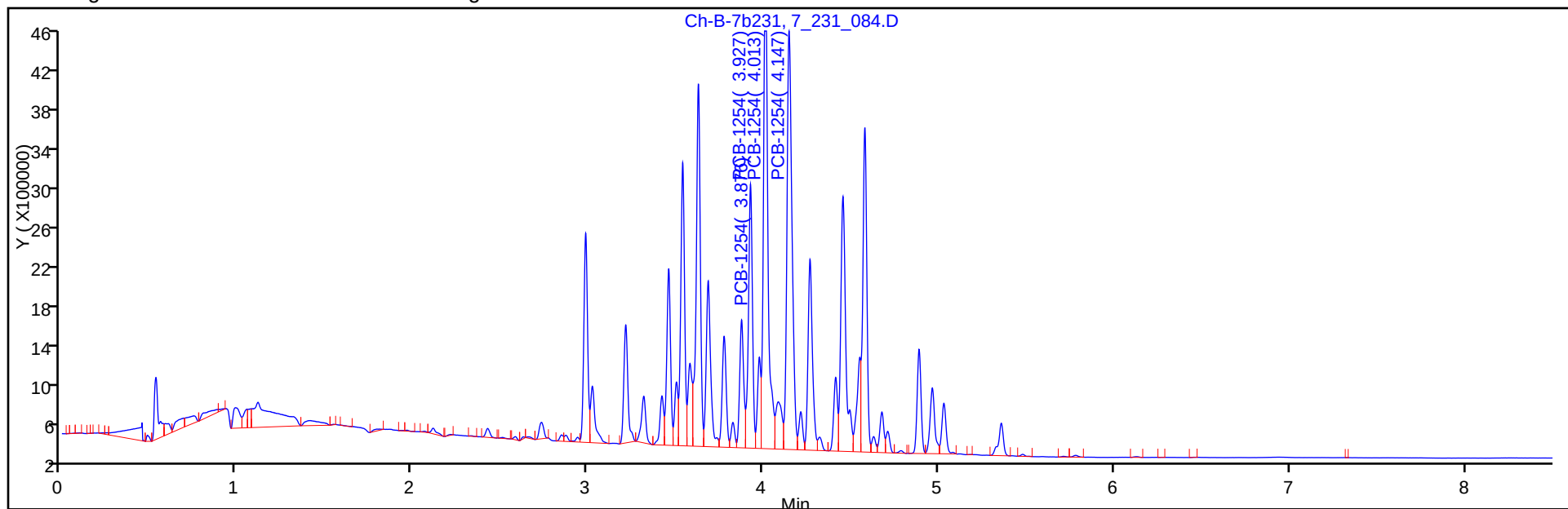
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:54 Calibration End Date: 07/26/2012 15:54 Calibration ID: 9578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-74010/15	7_231_084.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.876										3.846 - 3.906	3.876
PCB-1254 Peak 2	3.927										3.897 - 3.957	3.927
PCB-1254 Peak 3	4.013										3.983 - 4.043	4.013
PCB-1254 Peak 4	4.147										4.117 - 4.177	4.147

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:54 Calibration End Date: 07/26/2012 15:54 Calibration ID: 9578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-74010/15	7_231_084.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	4141302				Ave		4141302.00						20.0			
PCB-1254 Peak 2	8558380				Ave		8558380.00						20.0			
PCB-1254 Peak 3	17842172				Ave		17842172.0						20.0			
PCB-1254 Peak 4	17257468				Ave		17257468.0						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.: 480-23098-1 Analy Batch No.: 74010

SDG No.: _____

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

Calibration Start Date: 07/26/2012 15:54 Calibration End Date: 07/26/2012 15:54 Calibration ID: 9578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-74010/15	7_231_084.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	2070651					0.500				
PCB-1254 Peak 2	Ave	4279190					0.500				
PCB-1254 Peak 3	Ave	8921086					0.500				
PCB-1254 Peak 4	Ave	8628734					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_084.D
 Lims ID: std1254 Client ID:
 Inject. Date: 26-Jul-2012 15:54:56 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74010 Lims Sample ID: 15
 Sublist: chrom-HP7-PCBS*sub6
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\HP7-PCBS.m
 Last Update: 29-Jul-2012 10:23:54 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK028

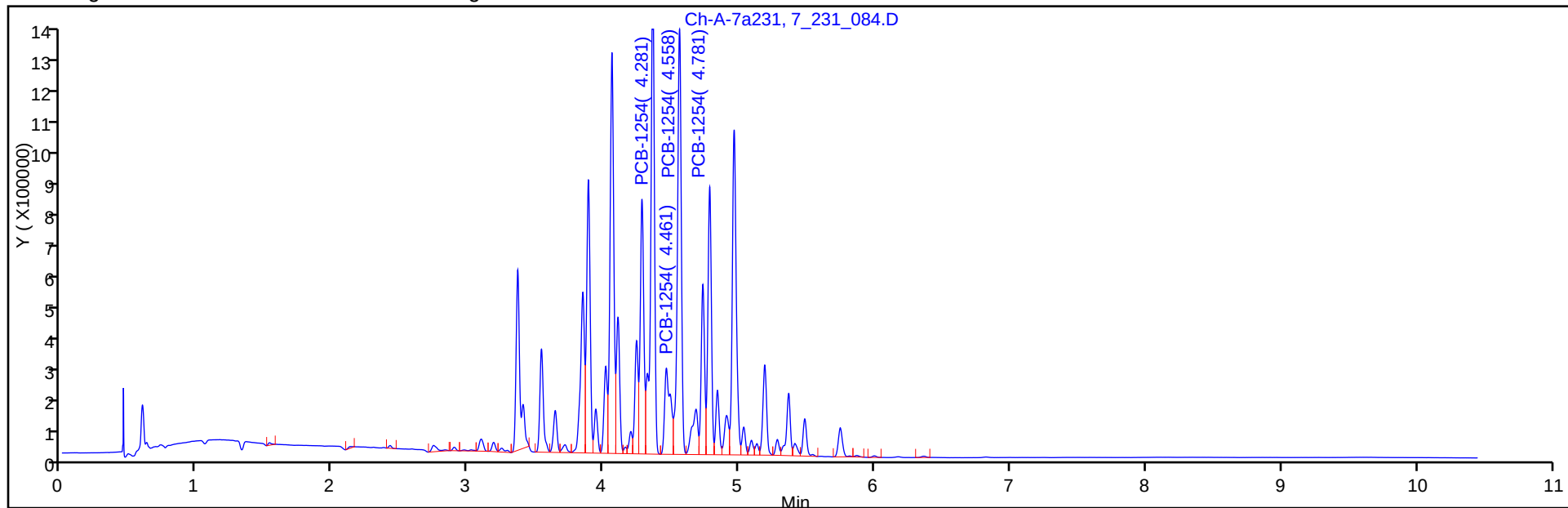
First Level Reviewer: michalej

Date: 29-Jul-2012 09:26:45

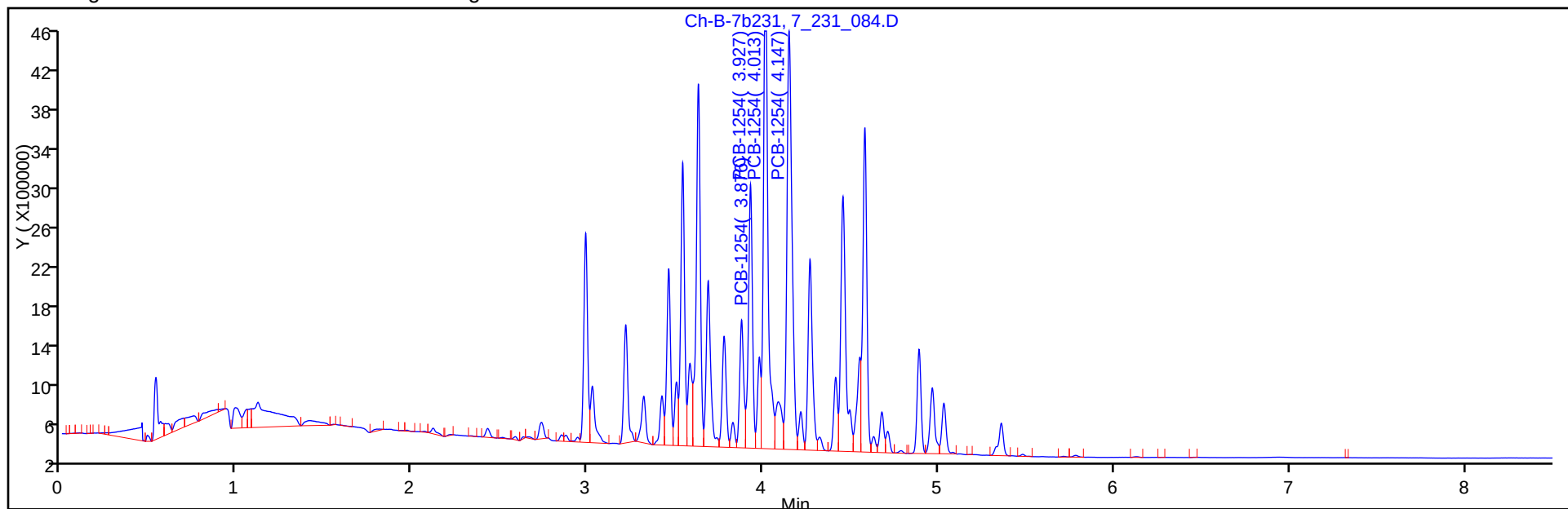
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
8 PCB-1254									
1	1	4.281	4.281	0.000	1388527	0.5000		100.0	
1	2	4.558	4.558	0.000	2530301	0.5000	152.2- 212.2	182.2	A
1	3	4.461	4.461	0.000	767918	0.5000	25.3- 85.3	55.3	A
1	4	4.781	4.781	0.000	1427938	0.5000	72.8- 132.8	102.8	A
Average of Peak Amounts =						0.5000			
2	5	3.876	3.876	0.000	2070651	0.5000		100.0	
2	6	3.927	3.927	0.000	4279190	0.5000	176.7- 236.7	206.7	A
2	7	4.013	4.013	0.000	8921086	0.5000	400.8- 460.8	430.8	A
2	8	4.147	4.147	0.000	8628734	0.5000	386.7- 446.7	416.7	A
Average of Peak Amounts =						0.5000			
RPD = 0.00									

Report Date: 29-Jul-2012 10:23:55 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_084.D
Injection Date: 26-Jul-2012 15:54:56 Limit Group: GC - 8082 PCB ICAL
Client ID: Instrument ID: HP6890-7
Lims Batch ID: 74010 Lims Sample ID: 15
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74328/39 Calibration Date: 07/29/2012 19:18
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_231_128.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	4100715	3633322		0.443	0.500	-11.4	15.0
PCB-1016 Peak 2	Ave	2399813	2184386		0.455	0.500	-9.0	15.0
PCB-1016 Peak 3	Ave	8379806	7522956		0.449	0.500	-10.2	15.0
PCB-1016 Peak 4	Ave	3248052	2780514		0.428	0.500	-14.4	15.0
PCB-1260 Peak 1	Ave	3209320	2997526		0.467	0.500	-6.6	15.0
PCB-1260 Peak 2	Ave	2731263	2540184		0.465	0.500	-7.0	15.0
PCB-1260 Peak 3	Ave	7273283	6749864		0.464	0.500	-7.2	15.0
PCB-1260 Peak 4	Ave	3192347	2994678		0.469	0.500	-6.2	15.0
Tetrachloro-m-xylene	Ave	109275406	98796533		0.0271	0.0300	-9.6	15.0
DCB Decachlorobiphenyl	Ave	56609499	55124700		0.0292	0.0300	-2.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74328/39 Calibration Date: 07/29/2012 19:18
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_231_128.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.75	2.72	2.78
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.10	3.07	3.13
PCB-1016 Peak 4	3.19	3.16	3.22
PCB-1260 Peak 1	5.09	5.06	5.12
PCB-1260 Peak 2	5.28	5.25	5.31
PCB-1260 Peak 3	5.48	5.45	5.51
PCB-1260 Peak 4	5.75	5.72	5.78
Tetrachloro-m-xylene	2.17	2.14	2.20
DCB Decachlorobiphenyl	7.25	7.19	7.31

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_128.D
 Lims ID: ccv Client ID:
 Inject. Date: 29-Jul-2012 19:18:35 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 39
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:05:13 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:05:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	2963896	0.0271			
2	2	1.738	1.738	0.000	11394362	0.0277			

RPD = 2.04

6 PCB-1016

1	1	2.746	2.746	0.000	1816661	0.4430		100.0	
1	2	2.898	2.898	0.000	1092193	0.4551	22.8- 82.8	60.1	
1	3	3.101	3.101	0.000	3761478	0.4489	152.2- 212.2	207.1	
1	4	3.185	3.185	0.000	1390257	0.4280		100.0	
Average of Peak Amounts =						0.4438			
2	5	2.742	2.742	0.000	13330163	0.4236		100.0	
2	6	2.853	2.853	0.000	5060274	0.4424	5.5- 65.5	38.0	
2	7	2.944	2.944	0.000	3420302	0.4595	0.0- 49.9	25.7	
2	8	2.992	2.992	0.000	3067842	0.4602	0.0- 48.7	23.0	
Average of Peak Amounts =						0.4464			

RPD = 0.59

9 PCB-1260

1	1	5.089	5.089	0.000	1498763	0.4670		100.0	
1	2	5.282	5.282	0.000	1270092	0.4650	52.3- 112.3	84.7	
1	3	5.484	5.484	0.000	3374932	0.4640	192.4- 252.4	225.2	
1	4	5.748	5.748	0.000	1497339	0.4690		100.0	
Average of Peak Amounts =						0.4663			
2	5	4.161	4.161	0.000	5866660	0.4346		100.0	
2	6	4.583	4.583	0.000	5378065	0.4484	54.7- 114.7	91.7	
2	7	4.633	4.633	0.000	4405626	0.4379	40.7- 100.7	75.1	
2	8	4.892	4.892	0.000	4677605	0.4590	37.7- 97.7	79.7	
Average of Peak Amounts =						0.4450			

RPD = 4.68

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.252	0.000	1653741	0.0292			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.469	6.469	0.000	4794357	0.0294			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 0.57

Report Date: 30-Jul-2012 06:05:13

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_128.D

Injection Date: 29-Jul-2012 19:18:35

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

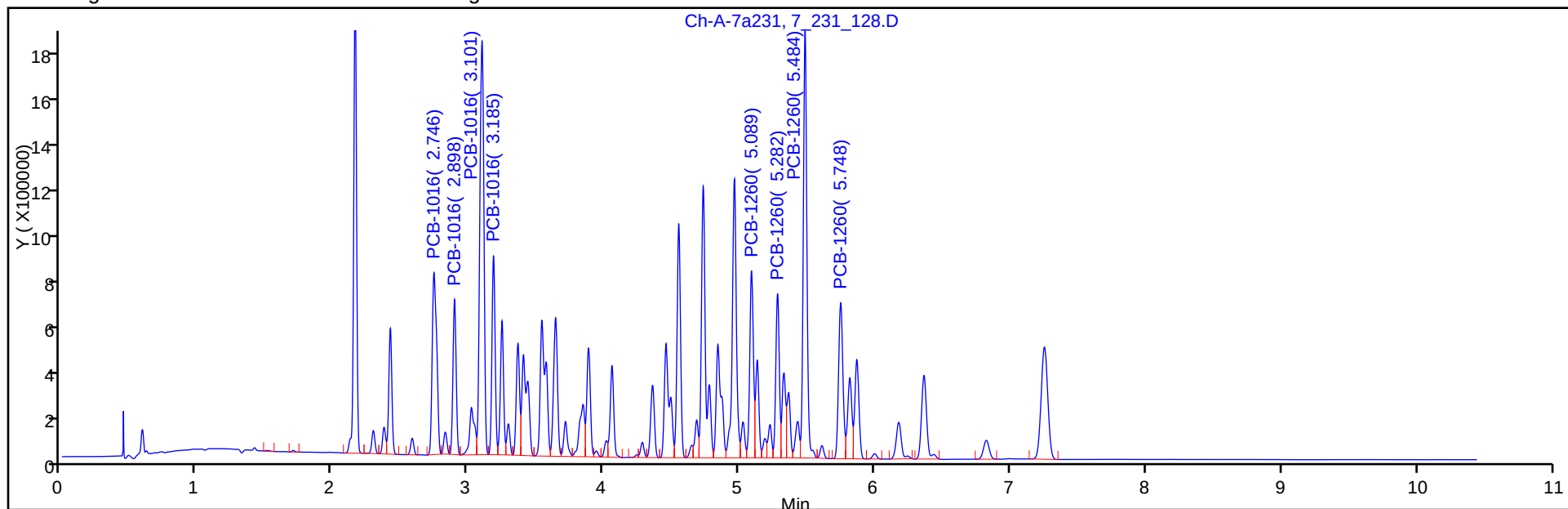
Lims Batch ID: 74328

Lims Sample ID: 39

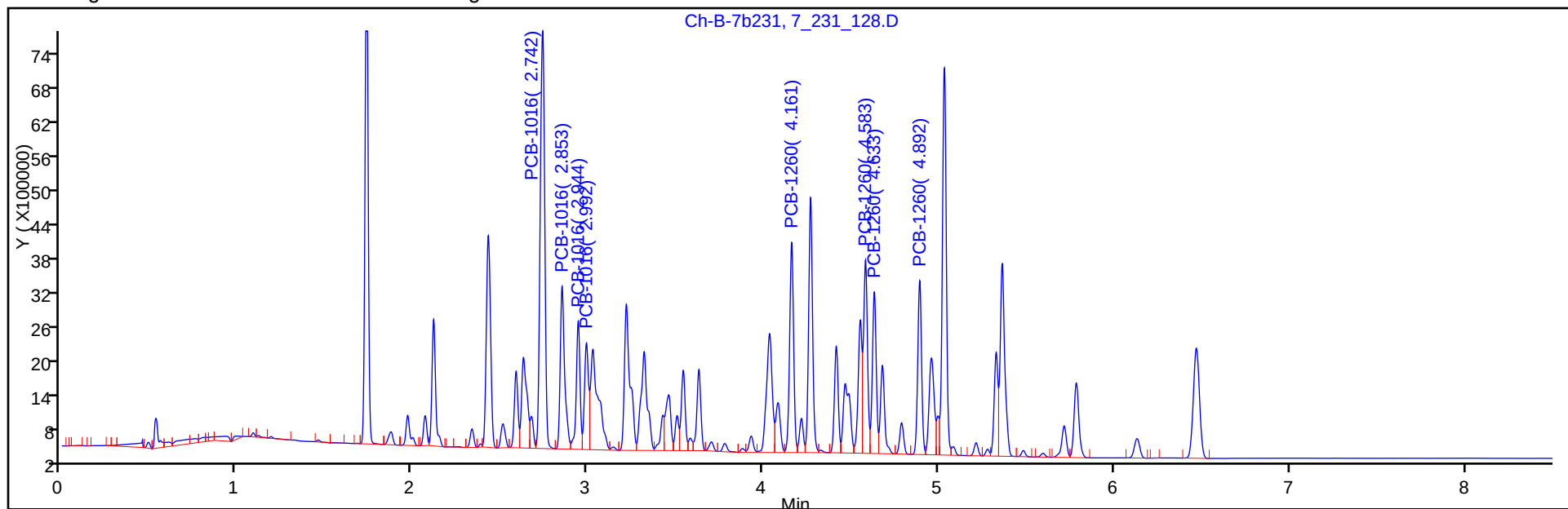
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74328/39 Calibration Date: 07/29/2012 19:18
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_231_128.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	31469840	26660326		0.424	0.500	-15.3*	15.0
PCB-1016 Peak 2	Ave	11439281	10120548		0.442	0.500	-11.5	15.0
PCB-1016 Peak 3	Ave	7443622	6840604		0.459	0.500	-8.1	15.0
PCB-1016 Peak 4	Ave	6666996	6135684		0.460	0.500	-8.0	15.0
PCB-1260 Peak 1	Ave	13499115	11733320		0.435	0.500	-13.1	15.0
PCB-1260 Peak 2	Ave	11994188	10756130		0.448	0.500	-10.3	15.0
PCB-1260 Peak 3	Ave	10061494	8811252		0.438	0.500	-12.4	15.0
PCB-1260 Peak 4	Ave	10191877	9355210		0.459	0.500	-8.2	15.0
Tetrachloro-m-xylene	Ave	411616235	379812067		0.0277	0.0300	-7.7	15.0
DCB Decachlorobiphenyl	Ave	163191757	159811900		0.0294	0.0300	-2.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74328/39 Calibration Date: 07/29/2012 19:18
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_231_128.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.85	2.82	2.88
PCB-1016 Peak 3	2.94	2.91	2.97
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1260 Peak 1	4.16	4.13	4.19
PCB-1260 Peak 2	4.58	4.55	4.61
PCB-1260 Peak 3	4.63	4.60	4.66
PCB-1260 Peak 4	4.89	4.86	4.92
Tetrachloro-m-xylene	1.74	1.71	1.77
DCB Decachlorobiphenyl	6.47	6.41	6.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_128.D
 Lims ID: ccv Client ID:
 Inject. Date: 29-Jul-2012 19:18:35 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 39
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:05:13 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:05:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	2963896	0.0271			
2	2	1.738	1.738	0.000	11394362	0.0277			

RPD = 2.04

6 PCB-1016

1	1	2.746	2.746	0.000	1816661	0.4430		100.0	
1	2	2.898	2.898	0.000	1092193	0.4551	22.8- 82.8	60.1	
1	3	3.101	3.101	0.000	3761478	0.4489	152.2- 212.2	207.1	
1	4	3.185	3.185	0.000	1390257	0.4280		100.0	
Average of Peak Amounts =						0.4438			
2	5	2.742	2.742	0.000	13330163	0.4236		100.0	
2	6	2.853	2.853	0.000	5060274	0.4424	5.5- 65.5	38.0	
2	7	2.944	2.944	0.000	3420302	0.4595	0.0- 49.9	25.7	
2	8	2.992	2.992	0.000	3067842	0.4602	0.0- 48.7	23.0	
Average of Peak Amounts =						0.4464			

RPD = 0.59

9 PCB-1260

1	1	5.089	5.089	0.000	1498763	0.4670		100.0	
1	2	5.282	5.282	0.000	1270092	0.4650	52.3- 112.3	84.7	
1	3	5.484	5.484	0.000	3374932	0.4640	192.4- 252.4	225.2	
1	4	5.748	5.748	0.000	1497339	0.4690		100.0	
Average of Peak Amounts =						0.4663			
2	5	4.161	4.161	0.000	5866660	0.4346		100.0	
2	6	4.583	4.583	0.000	5378065	0.4484	54.7- 114.7	91.7	
2	7	4.633	4.633	0.000	4405626	0.4379	40.7- 100.7	75.1	
2	8	4.892	4.892	0.000	4677605	0.4590	37.7- 97.7	79.7	
Average of Peak Amounts =						0.4450			

RPD = 4.68

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.252	0.000	1653741	0.0292			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.469	6.469	0.000	4794357	0.0294			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 0.57

Report Date: 30-Jul-2012 06:05:14

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_128.D

Injection Date: 29-Jul-2012 19:18:35

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

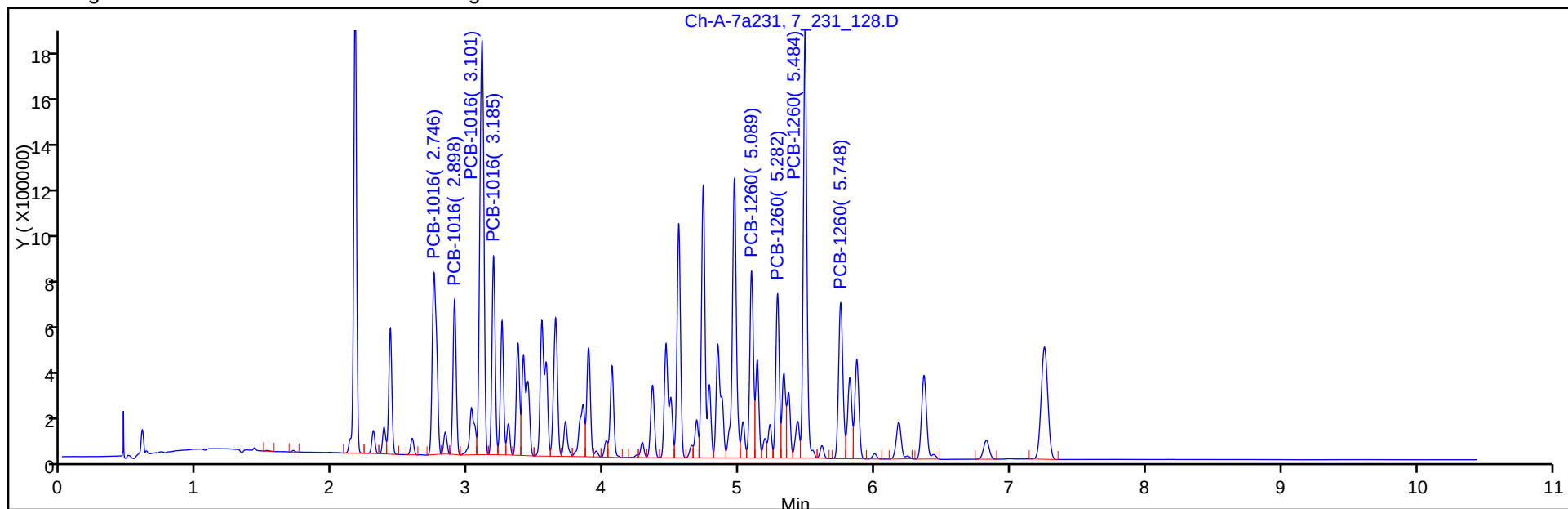
Lims Batch ID: 74328

Lims Sample ID: 39

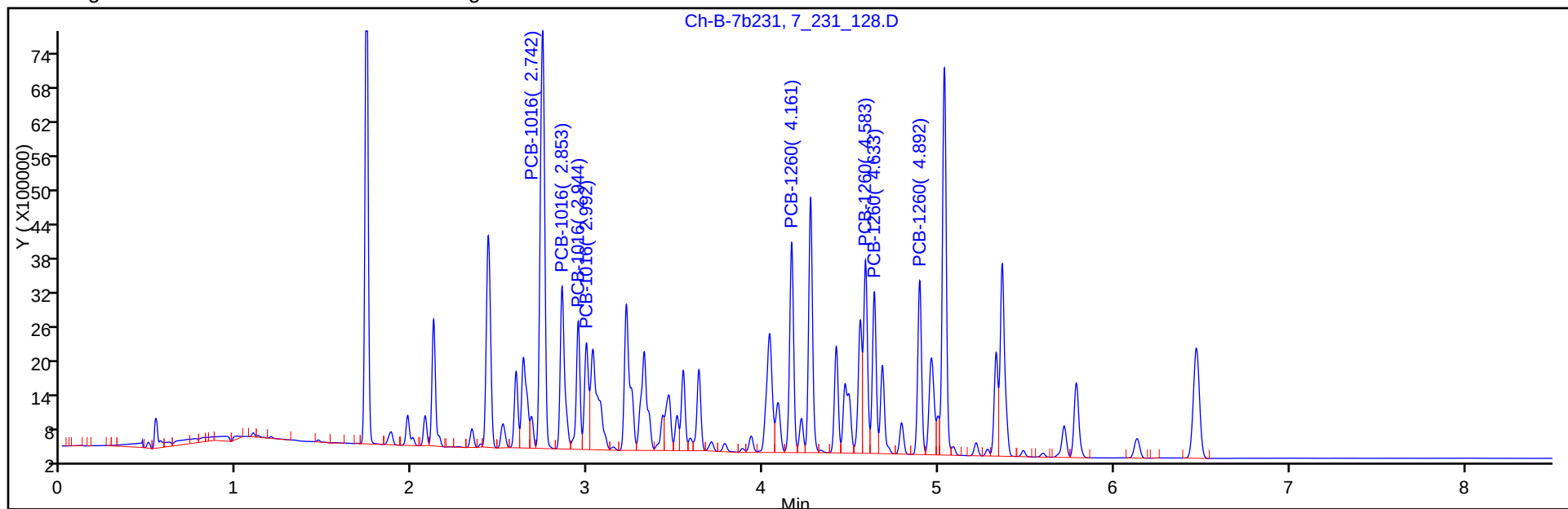
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74328/51 Calibration Date: 07/29/2012 22:29
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_231_140.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	4100715	3599238		0.439	0.500	-12.2	15.0
PCB-1016 Peak 2	Ave	2399813	2175078		0.453	0.500	-9.4	15.0
PCB-1016 Peak 3	Ave	8379806	7481362		0.446	0.500	-10.7	15.0
PCB-1016 Peak 4	Ave	3248052	2766928		0.426	0.500	-14.8	15.0
PCB-1260 Peak 1	Ave	3209320	2995818		0.467	0.500	-6.7	15.0
PCB-1260 Peak 2	Ave	2731263	2514646		0.460	0.500	-7.9	15.0
PCB-1260 Peak 3	Ave	7273283	6742950		0.464	0.500	-7.3	15.0
PCB-1260 Peak 4	Ave	3192347	2983222		0.467	0.500	-6.6	15.0
Tetrachloro-m-xylene	Ave	109275406	98757000		0.0271	0.0300	-9.6	15.0
DCB Decachlorobiphenyl	Ave	56609499	55380233		0.0293	0.0300	-2.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74328/51 Calibration Date: 07/29/2012 22:29
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_231_140.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.75	2.72	2.78
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.10	3.07	3.13
PCB-1016 Peak 4	3.19	3.16	3.22
PCB-1260 Peak 1	5.09	5.06	5.12
PCB-1260 Peak 2	5.28	5.25	5.31
PCB-1260 Peak 3	5.48	5.45	5.51
PCB-1260 Peak 4	5.75	5.72	5.78
Tetrachloro-m-xylene	2.17	2.14	2.20
DCB Decachlorobiphenyl	7.25	7.19	7.31

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_140.D
 Lims ID: ccv Client ID:
 Inject. Date: 29-Jul-2012 22:29:10 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 51
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:31 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	2962710	0.0271			
2	2	1.738	1.738	0.000	11315590	0.0275			

RPD = 1.39

6 PCB-1016

1	1	2.746	2.746	0.000	1799619	0.4389		100.0	
1	2	2.898	2.898	0.000	1087539	0.4532	22.8- 82.8	60.4	
1	3	3.102	3.102	0.000	3740681	0.4464	152.2- 212.2	207.9	
1	4	3.186	3.186	0.000	1383464	0.4259		100.0	
Average of Peak Amounts =						0.4411			
2	5	2.743	2.743	0.000	13168783	0.4185		100.0	
2	6	2.853	2.853	0.000	4989712	0.4362	5.5- 65.5	37.9	
2	7	2.945	2.945	0.000	3348266	0.4498	0.0- 49.9	25.4	
2	8	2.992	2.992	0.000	2967163	0.4451	0.0- 48.7	22.5	
Average of Peak Amounts =						0.4374			

RPD = 0.84

9 PCB-1260

1	1	5.091	5.091	0.000	1497909	0.4667		100.0	
1	2	5.282	5.282	0.000	1257323	0.4603	52.3- 112.3	83.9	
1	3	5.483	5.483	0.000	3371475	0.4635	192.4- 252.4	225.1	
1	4	5.747	5.747	0.000	1491611	0.4672		100.0	
Average of Peak Amounts =						0.4645			
2	5	4.163	4.163	0.000	5876898	0.4354		100.0	
2	6	4.583	4.583	0.000	5181895	0.4320	54.7- 114.7	88.2	
2	7	4.634	4.634	0.000	4277753	0.4252	40.7- 100.7	72.8	
2	8	4.893	4.893	0.000	4697795	0.4609	37.7- 97.7	79.9	
Average of Peak Amounts =						0.4384			

RPD = 5.78

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.253	7.253	0.000	1661407	0.0293			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.470	6.470	0.000	4846484	0.0297			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 1.18

Report Date: 30-Jul-2012 06:07:31

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_140.D

Injection Date: 29-Jul-2012 22:29:10

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

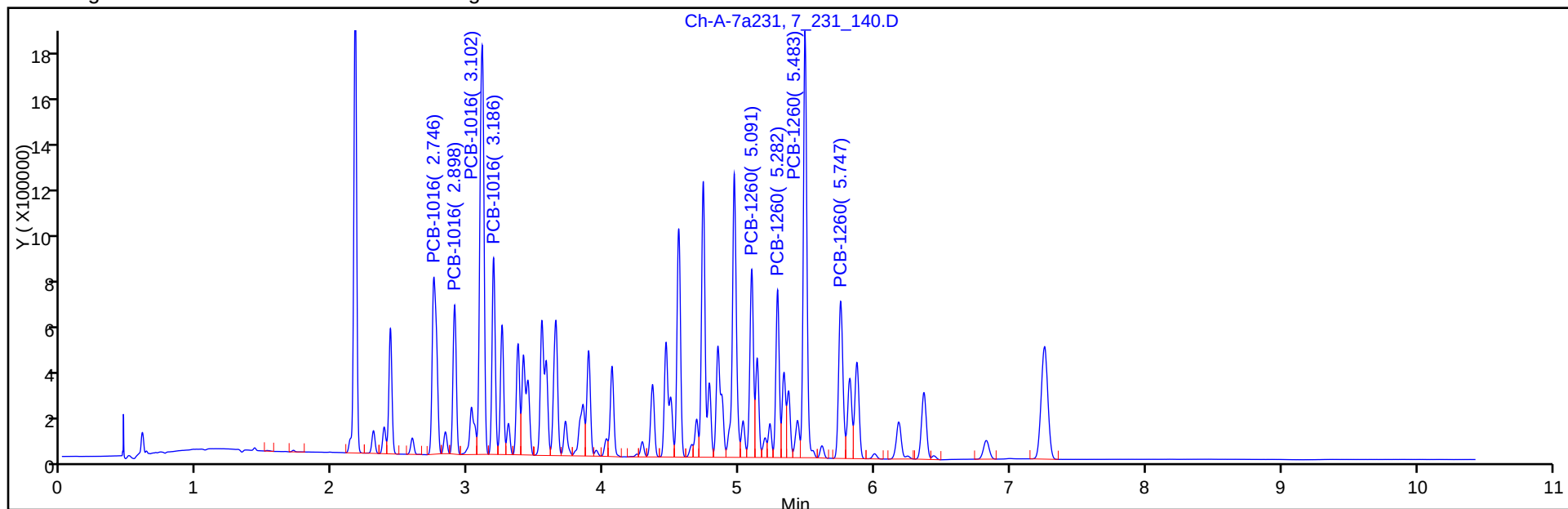
Lims Batch ID: 74328

Lims Sample ID: 51

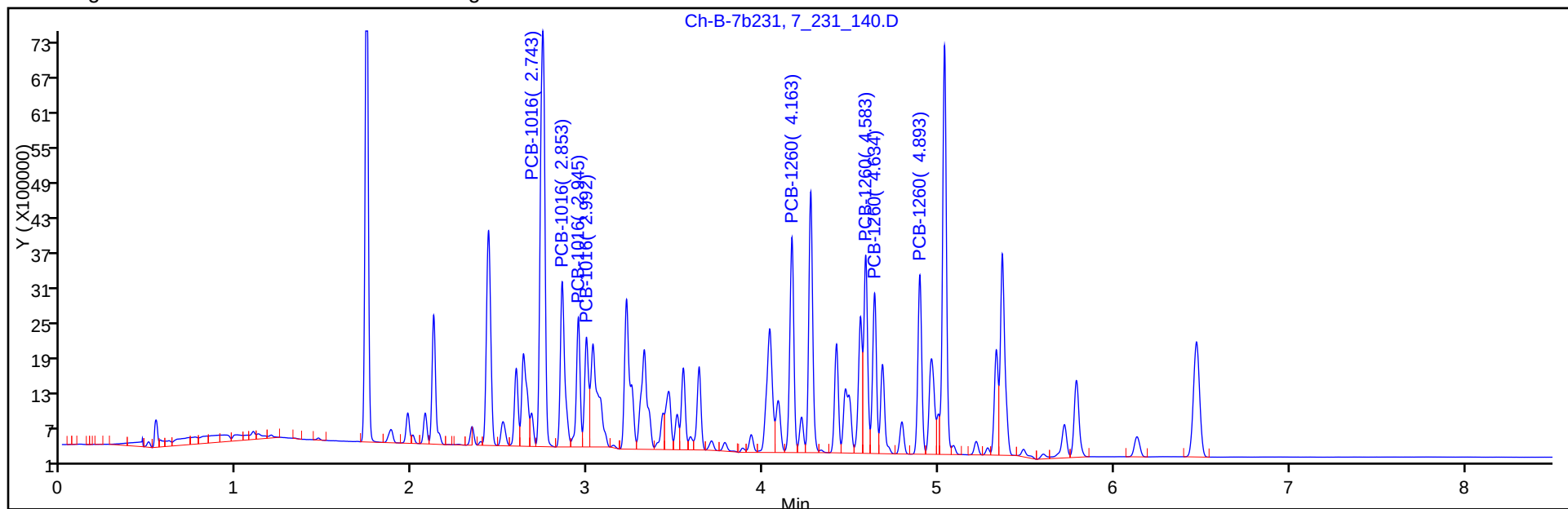
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74328/51 Calibration Date: 07/29/2012 22:29
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_231_140.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	31469840	26337566		0.418	0.500	-16.3*	15.0
PCB-1016 Peak 2	Ave	11439281	9979424		0.436	0.500	-12.8	15.0
PCB-1016 Peak 3	Ave	7443622	6696532		0.450	0.500	-10.0	15.0
PCB-1016 Peak 4	Ave	6666996	5934326		0.445	0.500	-11.0	15.0
PCB-1260 Peak 1	Ave	13499115	11753796		0.435	0.500	-12.9	15.0
PCB-1260 Peak 2	Ave	11994188	10363790		0.432	0.500	-13.6	15.0
PCB-1260 Peak 3	Ave	10061494	8555506		0.425	0.500	-15.0	15.0
PCB-1260 Peak 4	Ave	10191877	9395590		0.461	0.500	-7.8	15.0
Tetrachloro-m-xylene	Ave	411616235	377186333		0.0275	0.0300	-8.4	15.0
DCB Decachlorobiphenyl	Ave	163191757	161549467		0.0297	0.0300	-1.0	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74328/51 Calibration Date: 07/29/2012 22:29
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_231_140.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.85	2.82	2.88
PCB-1016 Peak 3	2.95	2.92	2.98
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1260 Peak 1	4.16	4.13	4.19
PCB-1260 Peak 2	4.58	4.55	4.61
PCB-1260 Peak 3	4.63	4.60	4.66
PCB-1260 Peak 4	4.89	4.86	4.92
Tetrachloro-m-xylene	1.74	1.71	1.77
DCB Decachlorobiphenyl	6.47	6.41	6.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_140.D
 Lims ID: ccv Client ID:
 Inject. Date: 29-Jul-2012 22:29:10 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 51
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:07:31 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:07:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	2962710	0.0271			
2	2	1.738	1.738	0.000	11315590	0.0275			

RPD = 1.39

6 PCB-1016

1	1	2.746	2.746	0.000	1799619	0.4389		100.0	
1	2	2.898	2.898	0.000	1087539	0.4532	22.8- 82.8	60.4	
1	3	3.102	3.102	0.000	3740681	0.4464	152.2- 212.2	207.9	
1	4	3.186	3.186	0.000	1383464	0.4259		100.0	
Average of Peak Amounts =						0.4411			
2	5	2.743	2.743	0.000	13168783	0.4185		100.0	
2	6	2.853	2.853	0.000	4989712	0.4362	5.5- 65.5	37.9	
2	7	2.945	2.945	0.000	3348266	0.4498	0.0- 49.9	25.4	
2	8	2.992	2.992	0.000	2967163	0.4451	0.0- 48.7	22.5	
Average of Peak Amounts =						0.4374			

RPD = 0.84

9 PCB-1260

1	1	5.091	5.091	0.000	1497909	0.4667		100.0	
1	2	5.282	5.282	0.000	1257323	0.4603	52.3- 112.3	83.9	
1	3	5.483	5.483	0.000	3371475	0.4635	192.4- 252.4	225.1	
1	4	5.747	5.747	0.000	1491611	0.4672		100.0	
Average of Peak Amounts =						0.4645			
2	5	4.163	4.163	0.000	5876898	0.4354		100.0	
2	6	4.583	4.583	0.000	5181895	0.4320	54.7- 114.7	88.2	
2	7	4.634	4.634	0.000	4277753	0.4252	40.7- 100.7	72.8	
2	8	4.893	4.893	0.000	4697795	0.4609	37.7- 97.7	79.9	
Average of Peak Amounts =						0.4384			

RPD = 5.78

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_140.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

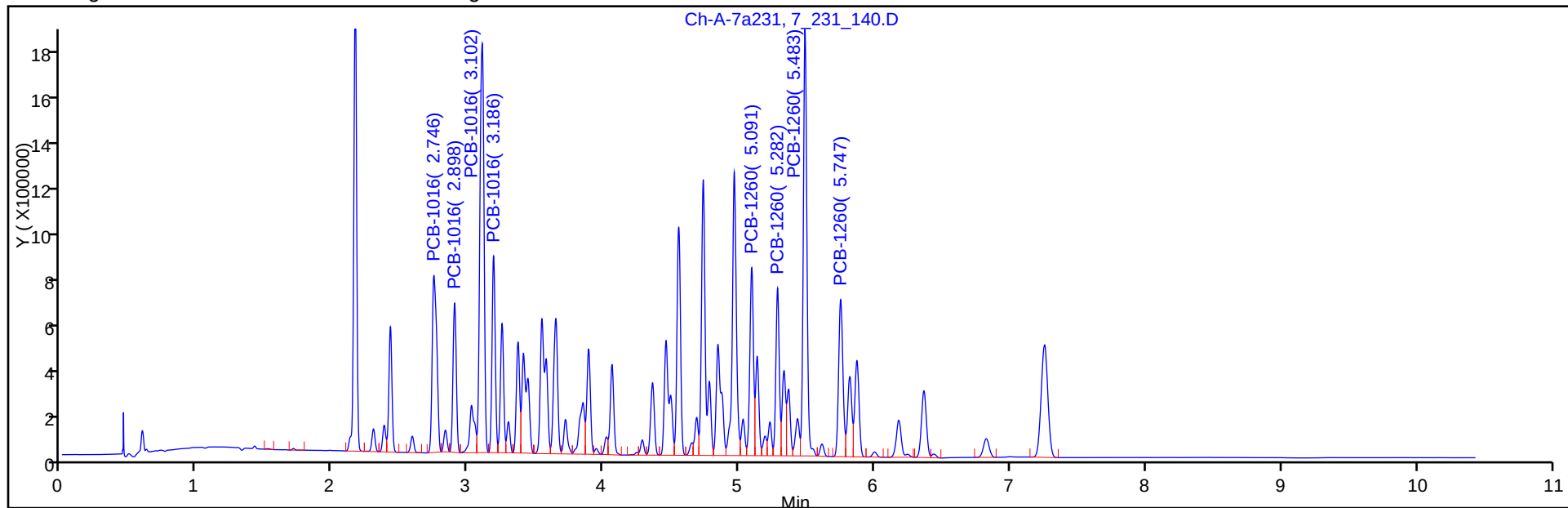
1	1	7.253	7.253	0.000	1661407	0.0293			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.470	6.470	0.000	4846484	0.0297			
---	---	-------	-------	-------	---------	--------	--	--	--

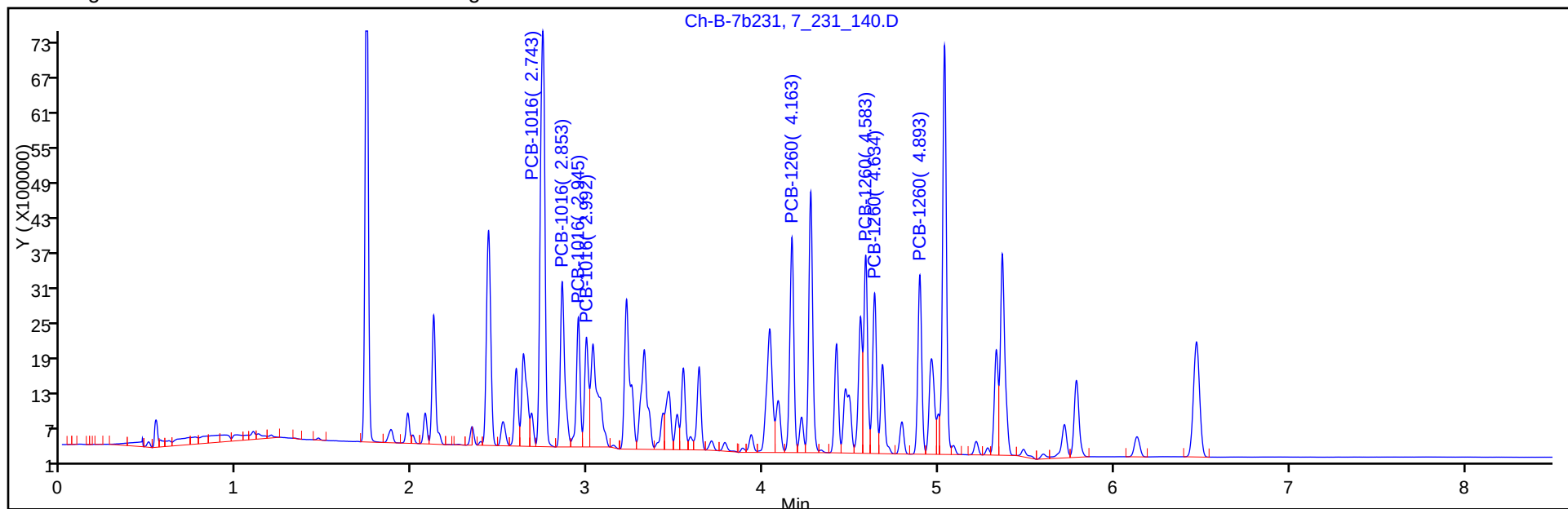
RPD = 1.18

Report Date: 30-Jul-2012 06:07:32 Chrom Revision: 2.0 17-Jul-2012 17:32:54
Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_140.D
Injection Date: 29-Jul-2012 22:29:10 Limit Group: GC - 8082 PCB ICAL
Client ID: Instrument ID: HP6890-7
Lims Batch ID: 74328 Lims Sample ID: 51
Operator ID: tchrom Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74328/63 Calibration Date: 07/30/2012 01:40
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_231_152.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	4100715	3652324		0.445	0.500	-10.9	15.0
PCB-1016 Peak 2	Ave	2399813	2210980		0.461	0.500	-7.9	15.0
PCB-1016 Peak 3	Ave	8379806	7602554		0.454	0.500	-9.3	15.0
PCB-1016 Peak 4	Ave	3248052	2810478		0.433	0.500	-13.5	15.0
PCB-1260 Peak 1	Ave	3209320	3041098		0.474	0.500	-5.2	15.0
PCB-1260 Peak 2	Ave	2731263	2551766		0.467	0.500	-6.6	15.0
PCB-1260 Peak 3	Ave	7273283	6811186		0.468	0.500	-6.4	15.0
PCB-1260 Peak 4	Ave	3192347	3026094		0.474	0.500	-5.2	15.0
Tetrachloro-m-xylene	Ave	109275406	101330167		0.0278	0.0300	-7.3	15.0
DCB Decachlorobiphenyl	Ave	56609499	56274900		0.0298	0.0300	-0.6	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74328/63 Calibration Date: 07/30/2012 01:40
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_231_152.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.75	2.72	2.78
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.10	3.07	3.13
PCB-1016 Peak 4	3.19	3.16	3.22
PCB-1260 Peak 1	5.09	5.06	5.12
PCB-1260 Peak 2	5.28	5.25	5.31
PCB-1260 Peak 3	5.48	5.45	5.51
PCB-1260 Peak 4	5.75	5.72	5.78
Tetrachloro-m-xylene	2.17	2.14	2.20
DCB Decachlorobiphenyl	7.25	7.19	7.31

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_152.D
 Lims ID: ccv Client ID:
 Inject. Date: 30-Jul-2012 01:40:00 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 63
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:50 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	3039905	0.0278			
2	2	1.738	1.738	0.000	11736684	0.0285			

RPD = 2.47

6 PCB-1016

1	1	2.745	2.745	0.000	1826162	0.4453		100.0	
1	2	2.898	2.898	0.000	1105490	0.4607	22.8- 82.8	60.5	
1	3	3.101	3.101	0.000	3801277	0.4536	152.2- 212.2	208.2	
1	4	3.186	3.186	0.000	1405239	0.4326		100.0	
Average of Peak Amounts =						0.4481			
2	5	2.742	2.742	0.000	13488671	0.4286		100.0	
2	6	2.853	2.853	0.000	5101071	0.4459	5.5- 65.5	37.8	
2	7	2.945	2.945	0.000	3436228	0.4616	0.0- 49.9	25.5	
2	8	2.991	2.991	0.000	3058364	0.4587	0.0- 48.7	22.7	
Average of Peak Amounts =						0.4487			

RPD = 0.15

9 PCB-1260

1	1	5.091	5.091	0.000	1520549	0.4738		100.0	
1	2	5.281	5.281	0.000	1275883	0.4671	52.3- 112.3	83.9	
1	3	5.484	5.484	0.000	3405593	0.4682	192.4- 252.4	224.0	
1	4	5.745	5.745	0.000	1513047	0.4740		100.0	
Average of Peak Amounts =						0.4708			
2	5	4.162	4.162	0.000	6108016	0.4525		100.0	
2	6	4.583	4.583	0.000	5270370	0.4394	54.7- 114.7	86.3	
2	7	4.633	4.633	0.000	4416631	0.4390	40.7- 100.7	72.3	
2	8	4.891	4.891	0.000	4782716	0.4693	37.7- 97.7	78.3	
Average of Peak Amounts =						0.4500			

RPD = 4.51

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_152.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.248	0.000	1688247	0.0298			
2	2	6.468	6.468	0.000	4992151	0.0306			

RPD = 2.54

Report Date: 30-Jul-2012 06:08:50

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_152.D

Injection Date: 30-Jul-2012 01:40:00

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

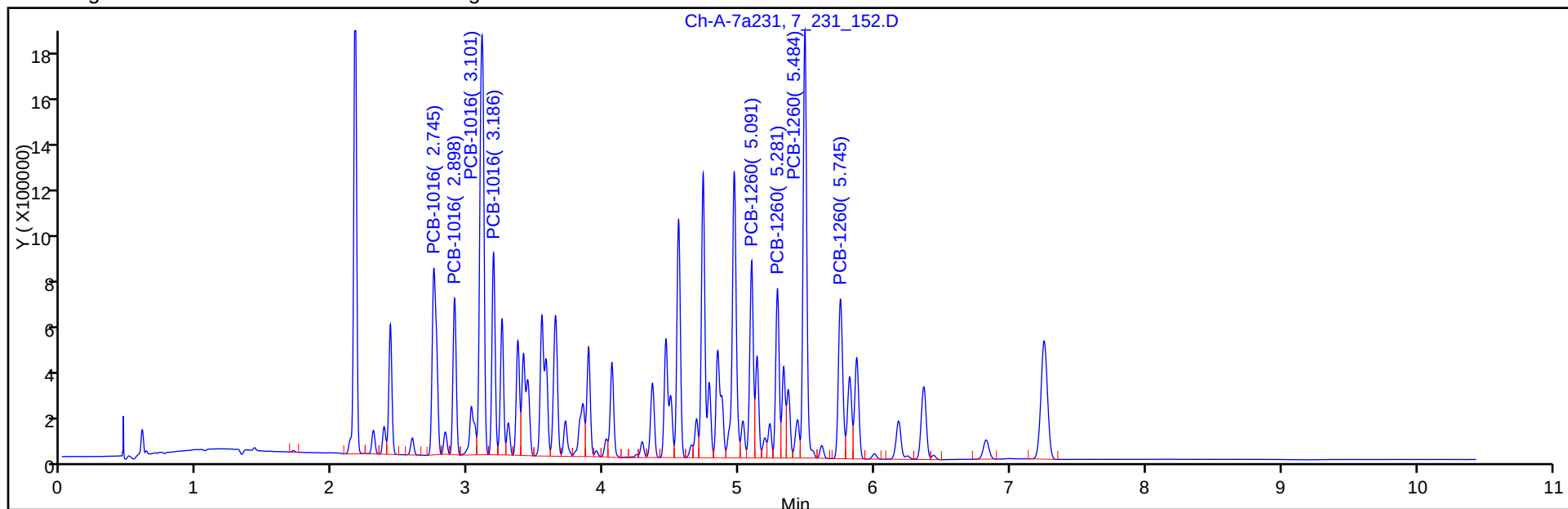
Lims Batch ID: 74328

Lims Sample ID: 63

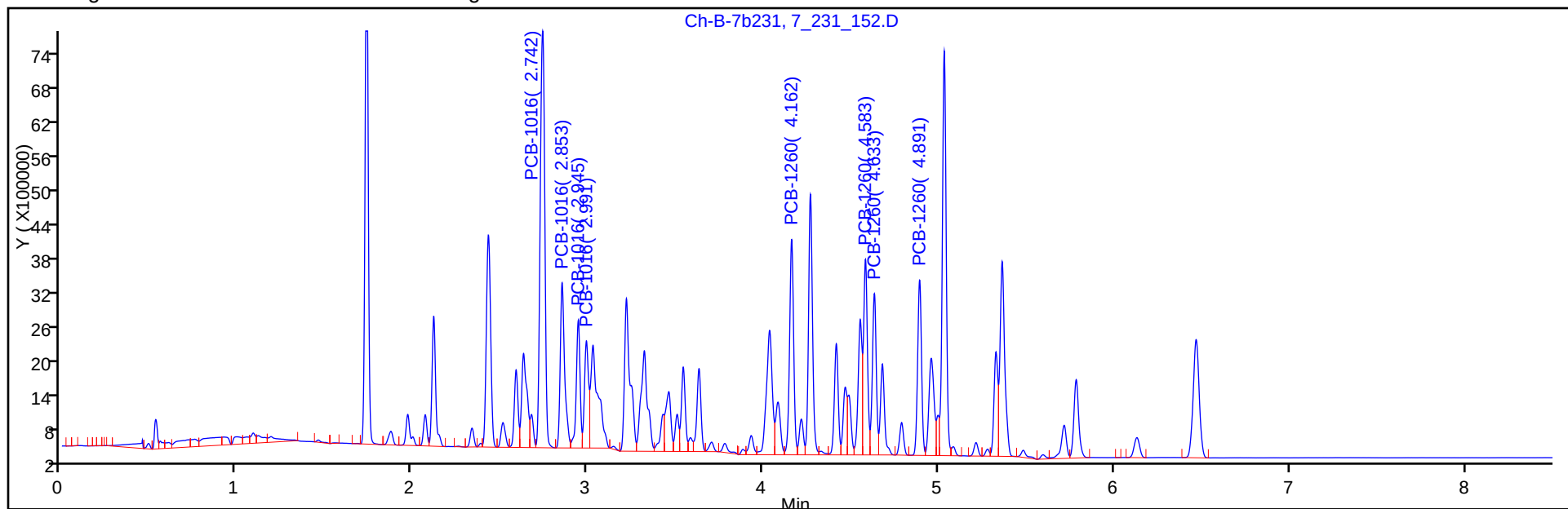
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74328/63 Calibration Date: 07/30/2012 01:40
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_231_152.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	31469840	26977342		0.429	0.500	-14.3	15.0
PCB-1016 Peak 2	Ave	11439281	10202142		0.446	0.500	-10.8	15.0
PCB-1016 Peak 3	Ave	7443622	6872456		0.462	0.500	-7.7	15.0
PCB-1016 Peak 4	Ave	6666996	6116728		0.459	0.500	-8.3	15.0
PCB-1260 Peak 1	Ave	13499115	12216032		0.452	0.500	-9.5	15.0
PCB-1260 Peak 2	Ave	11994188	10540740		0.439	0.500	-12.1	15.0
PCB-1260 Peak 3	Ave	10061494	8833262		0.439	0.500	-12.2	15.0
PCB-1260 Peak 4	Ave	10191877	9565432		0.469	0.500	-6.1	15.0
Tetrachloro-m-xylene	Ave	411616235	391222800		0.0285	0.0300	-5.0	15.0
DCB Decachlorobiphenyl	Ave	163191757	166405033		0.0306	0.0300	2.0	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74328/63 Calibration Date: 07/30/2012 01:40
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_231_152.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.85	2.82	2.88
PCB-1016 Peak 3	2.95	2.92	2.98
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1260 Peak 1	4.16	4.13	4.19
PCB-1260 Peak 2	4.58	4.55	4.61
PCB-1260 Peak 3	4.63	4.60	4.66
PCB-1260 Peak 4	4.89	4.86	4.92
Tetrachloro-m-xylene	1.74	1.71	1.77
DCB Decachlorobiphenyl	6.47	6.41	6.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_152.D
 Lims ID: ccv Client ID:
 Inject. Date: 30-Jul-2012 01:40:00 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 63
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:50 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	3039905	0.0278			
2	2	1.738	1.738	0.000	11736684	0.0285			

RPD = 2.47

6 PCB-1016

1	1	2.745	2.745	0.000	1826162	0.4453		100.0	
1	2	2.898	2.898	0.000	1105490	0.4607	22.8- 82.8	60.5	
1	3	3.101	3.101	0.000	3801277	0.4536	152.2- 212.2	208.2	
1	4	3.186	3.186	0.000	1405239	0.4326		100.0	
Average of Peak Amounts =						0.4481			
2	5	2.742	2.742	0.000	13488671	0.4286		100.0	
2	6	2.853	2.853	0.000	5101071	0.4459	5.5- 65.5	37.8	
2	7	2.945	2.945	0.000	3436228	0.4616	0.0- 49.9	25.5	
2	8	2.991	2.991	0.000	3058364	0.4587	0.0- 48.7	22.7	
Average of Peak Amounts =						0.4487			

RPD = 0.15

9 PCB-1260

1	1	5.091	5.091	0.000	1520549	0.4738		100.0	
1	2	5.281	5.281	0.000	1275883	0.4671	52.3- 112.3	83.9	
1	3	5.484	5.484	0.000	3405593	0.4682	192.4- 252.4	224.0	
1	4	5.745	5.745	0.000	1513047	0.4740		100.0	
Average of Peak Amounts =						0.4708			
2	5	4.162	4.162	0.000	6108016	0.4525		100.0	
2	6	4.583	4.583	0.000	5270370	0.4394	54.7- 114.7	86.3	
2	7	4.633	4.633	0.000	4416631	0.4390	40.7- 100.7	72.3	
2	8	4.891	4.891	0.000	4782716	0.4693	37.7- 97.7	78.3	
Average of Peak Amounts =						0.4500			

RPD = 4.51

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_152.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.248	0.000	1688247	0.0298			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.468	6.468	0.000	4992151	0.0306			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 2.54

Report Date: 30-Jul-2012 06:08:51

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_152.D

Injection Date: 30-Jul-2012 01:40:00

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

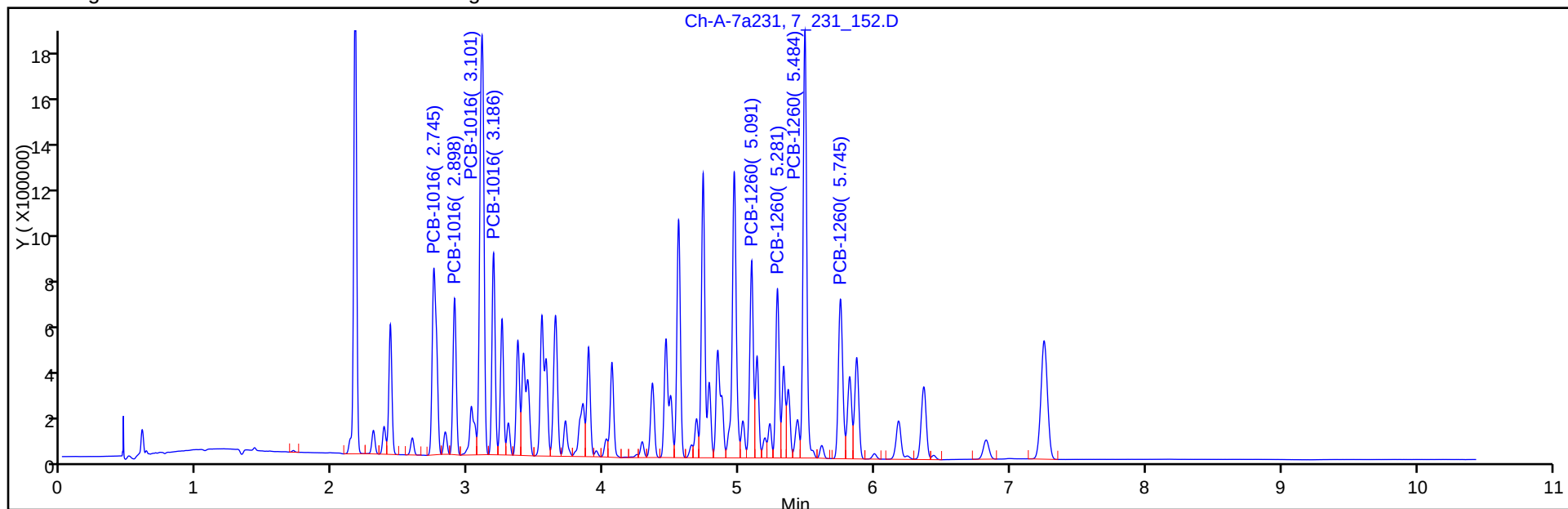
Lims Batch ID: 74328

Lims Sample ID: 63

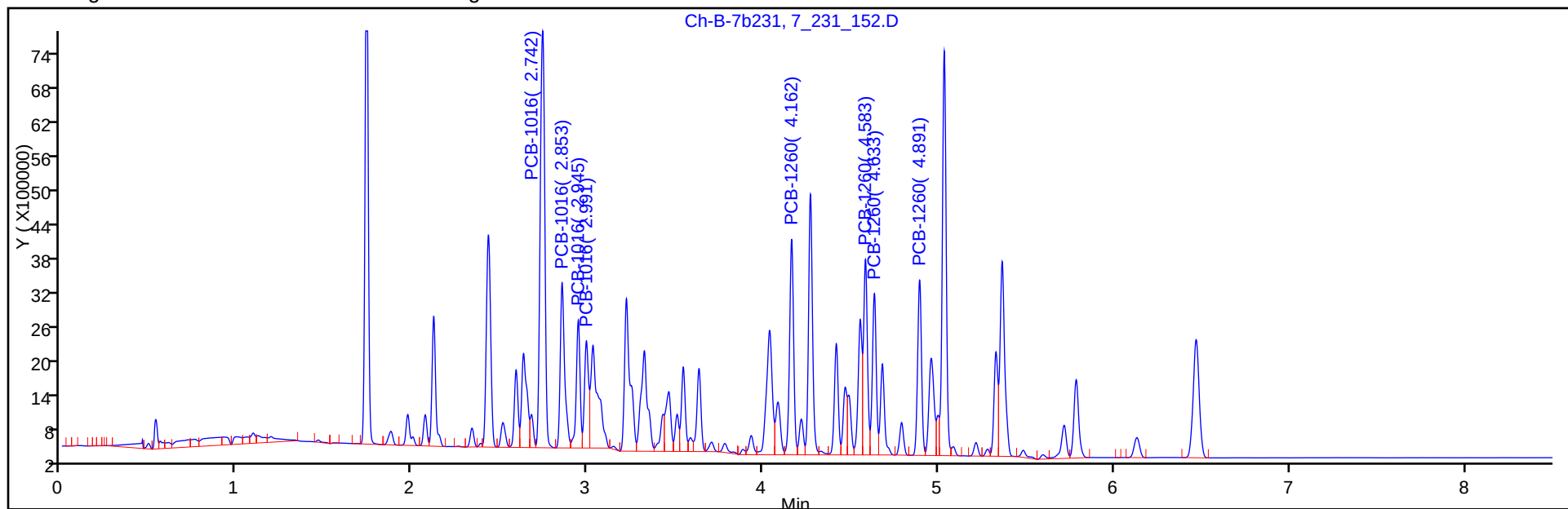
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74672/2 Calibration Date: 08/01/2012 06:13
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_232_043.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	4100715	3789270		0.462	0.500	-7.6	15.0
PCB-1016 Peak 2	Ave	2399813	2270832		0.473	0.500	-5.4	15.0
PCB-1016 Peak 3	Ave	8379806	7792820		0.465	0.500	-7.0	15.0
PCB-1016 Peak 4	Ave	3248052	2873116		0.442	0.500	-11.5	15.0
PCB-1260 Peak 1	Ave	3209320	3024314		0.471	0.500	-5.8	15.0
PCB-1260 Peak 2	Ave	2731263	2523028		0.462	0.500	-7.6	15.0
PCB-1260 Peak 3	Ave	7273283	6652868		0.457	0.500	-8.5	15.0
PCB-1260 Peak 4	Ave	3192347	2913962		0.456	0.500	-8.7	15.0
Tetrachloro-m-xylene	Ave	109275406	102292633		0.0281	0.0300	-6.4	15.0
DCB Decachlorobiphenyl	Ave	56609499	53932933		0.0286	0.0300	-4.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74672/2 Calibration Date: 08/01/2012 06:13
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_232_043.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.10	3.07	3.13
PCB-1016 Peak 4	3.18	3.15	3.21
PCB-1260 Peak 1	5.09	5.06	5.12
PCB-1260 Peak 2	5.28	5.25	5.31
PCB-1260 Peak 3	5.48	5.45	5.51
PCB-1260 Peak 4	5.75	5.72	5.78
Tetrachloro-m-xylene	2.16	2.13	2.19
DCB Decachlorobiphenyl	7.25	7.19	7.31

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_043.D
 Lims ID: ccv Client ID:
 Inject. Date: 01-Aug-2012 06:13:00 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 2
 Sublist: chrom-HP7-PCBS*sub12
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 06:37:05 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK001

First Level Reviewer: michalej

Date: 01-Aug-2012 06:37:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.163	0.000	3068779	0.0281			
2	2	1.737	1.737	0.000	12380576	0.0301			

RPD = 6.86

6 PCB-1016

1	1	2.744	2.744	0.000	1894635	0.4620		100.0	
1	2	2.898	2.898	0.000	1135416	0.4731	22.8- 82.8	59.9	
1	3	3.099	3.099	0.000	3896410	0.4650	152.2- 212.2	205.7	
1	4	3.184	3.184	0.000	1436558	0.4423		100.0	
Average of Peak Amounts =						0.4606			
2	5	2.740	2.740	0.000	14176810	0.4505		100.0	
2	6	2.851	2.851	0.000	5346691	0.4674	5.5- 65.5	37.7	
2	7	2.943	2.943	0.000	3605284	0.4843	0.0- 49.9	25.4	
2	8	2.989	2.989	0.000	3195265	0.4793	0.0- 48.7	22.5	
Average of Peak Amounts =						0.4704			

RPD = 2.10

9 PCB-1260

1	1	5.089	5.089	0.000	1512157	0.4712		100.0	
1	2	5.281	5.281	0.000	1261514	0.4619	52.3- 112.3	83.4	
1	3	5.483	5.483	0.000	3326434	0.4573	192.4- 252.4	220.0	
1	4	5.747	5.747	0.000	1456981	0.4564		100.0	
Average of Peak Amounts =						0.4617			
2	5	4.161	4.161	0.000	5936441	0.4398		100.0	
2	6	4.582	4.582	0.000	5357942	0.4467	54.7- 114.7	90.3	
2	7	4.632	4.632	0.000	4488728	0.4461	40.7- 100.7	75.6	
2	8	4.889	4.889	0.000	4670650	0.4583	37.7- 97.7	78.7	
Average of Peak Amounts =						0.4477			

RPD = 3.07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.253	7.253	0.000	1617988	0.0286			
2	2	6.468	6.468	0.000	4695886	0.0288			

RPD = 0.68

Report Date: 01-Aug-2012 06:37:05

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_043.D

Injection Date: 01-Aug-2012 06:13:00

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

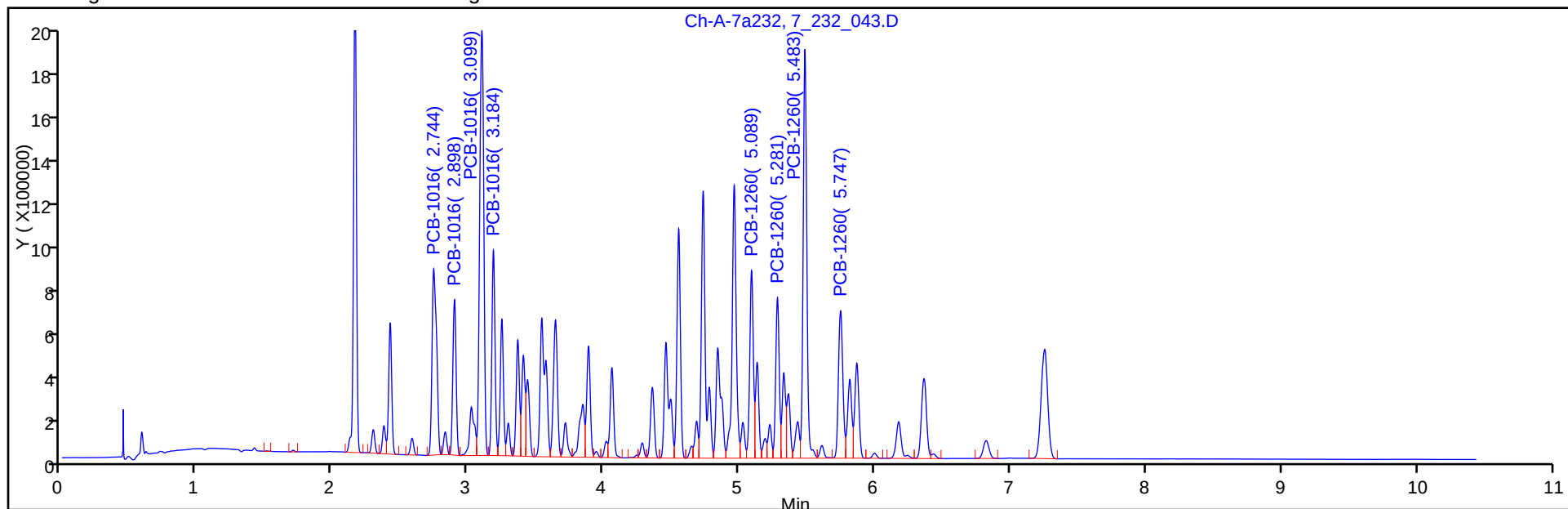
Lims Batch ID: 74672

Lims Sample ID: 2

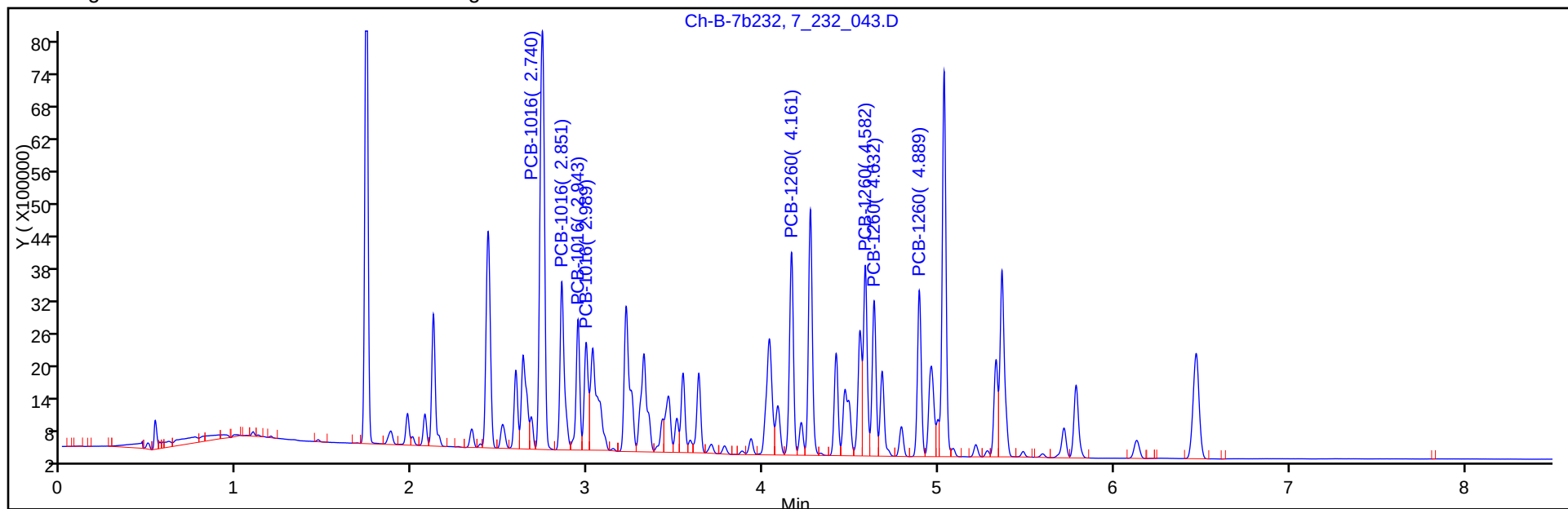
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74672/2 Calibration Date: 08/01/2012 06:13
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_232_043.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	31469840	28353620		0.450	0.500	-9.9	15.0
PCB-1016 Peak 2	Ave	11439281	10693382		0.467	0.500	-6.5	15.0
PCB-1016 Peak 3	Ave	7443622	7210568		0.484	0.500	-3.1	15.0
PCB-1016 Peak 4	Ave	6666996	6390530		0.479	0.500	-4.1	15.0
PCB-1260 Peak 1	Ave	13499115	11872882		0.440	0.500	-12.0	15.0
PCB-1260 Peak 2	Ave	11994188	10715884		0.447	0.500	-10.7	15.0
PCB-1260 Peak 3	Ave	10061494	8977456		0.446	0.500	-10.8	15.0
PCB-1260 Peak 4	Ave	10191877	9341300		0.458	0.500	-8.3	15.0
Tetrachloro-m-xylene	Ave	411616235	412685867		0.0301	0.0300	0.3	15.0
DCB Decachlorobiphenyl	Ave	163191757	156529533		0.0288	0.0300	-4.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74672/2 Calibration Date: 08/01/2012 06:13
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_232_043.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.85	2.82	2.88
PCB-1016 Peak 3	2.94	2.91	2.97
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1260 Peak 1	4.16	4.13	4.19
PCB-1260 Peak 2	4.58	4.55	4.61
PCB-1260 Peak 3	4.63	4.60	4.66
PCB-1260 Peak 4	4.89	4.86	4.92
Tetrachloro-m-xylene	1.74	1.71	1.77
DCB Decachlorobiphenyl	6.47	6.41	6.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_043.D
 Lims ID: ccv Client ID:
 Inject. Date: 01-Aug-2012 06:13:00 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 2
 Sublist: chrom-HP7-PCBS*sub12
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 06:37:05 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK001

First Level Reviewer: michalej

Date: 01-Aug-2012 06:37:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.163	0.000	3068779	0.0281			
2	2	1.737	1.737	0.000	12380576	0.0301			

RPD = 6.86

6 PCB-1016

1	1	2.744	2.744	0.000	1894635	0.4620		100.0	
1	2	2.898	2.898	0.000	1135416	0.4731	22.8- 82.8	59.9	
1	3	3.099	3.099	0.000	3896410	0.4650	152.2- 212.2	205.7	
1	4	3.184	3.184	0.000	1436558	0.4423		100.0	
Average of Peak Amounts =						0.4606			
2	5	2.740	2.740	0.000	14176810	0.4505		100.0	
2	6	2.851	2.851	0.000	5346691	0.4674	5.5- 65.5	37.7	
2	7	2.943	2.943	0.000	3605284	0.4843	0.0- 49.9	25.4	
2	8	2.989	2.989	0.000	3195265	0.4793	0.0- 48.7	22.5	
Average of Peak Amounts =						0.4704			

RPD = 2.10

9 PCB-1260

1	1	5.089	5.089	0.000	1512157	0.4712		100.0	
1	2	5.281	5.281	0.000	1261514	0.4619	52.3- 112.3	83.4	
1	3	5.483	5.483	0.000	3326434	0.4573	192.4- 252.4	220.0	
1	4	5.747	5.747	0.000	1456981	0.4564		100.0	
Average of Peak Amounts =						0.4617			
2	5	4.161	4.161	0.000	5936441	0.4398		100.0	
2	6	4.582	4.582	0.000	5357942	0.4467	54.7- 114.7	90.3	
2	7	4.632	4.632	0.000	4488728	0.4461	40.7- 100.7	75.6	
2	8	4.889	4.889	0.000	4670650	0.4583	37.7- 97.7	78.7	
Average of Peak Amounts =						0.4477			

RPD = 3.07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.253	7.253	0.000	1617988	0.0286			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.468	6.468	0.000	4695886	0.0288			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 0.68

Report Date: 01-Aug-2012 06:37:06

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_043.D

Injection Date: 01-Aug-2012 06:13:00

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

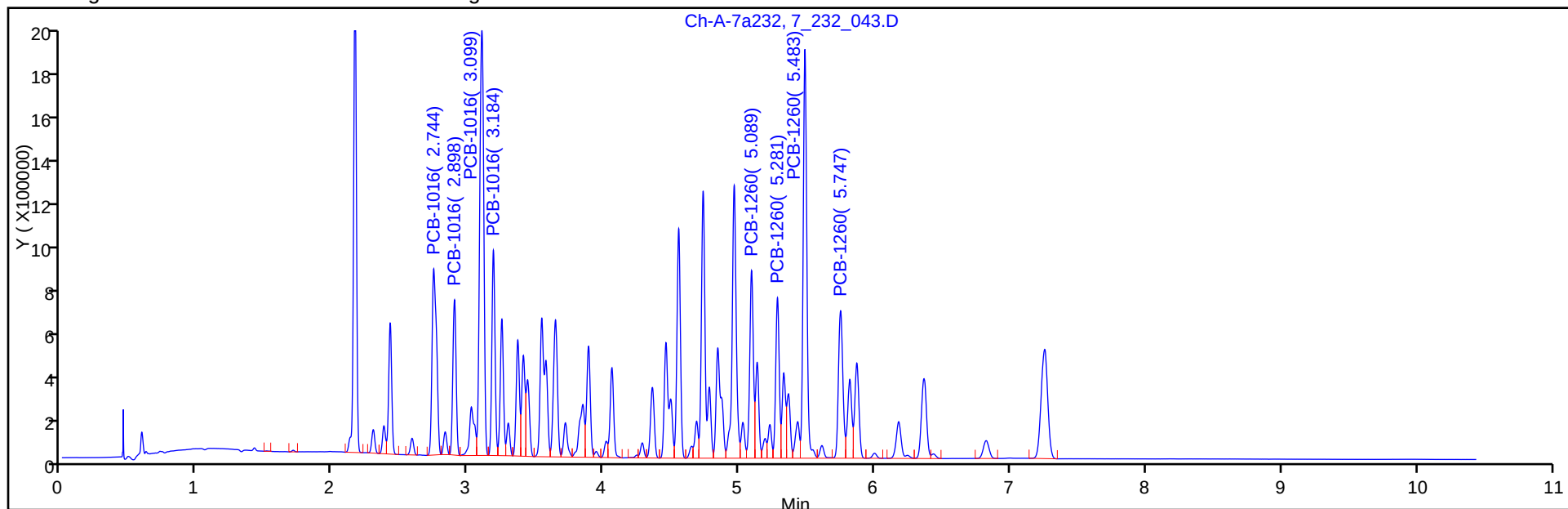
Lims Batch ID: 74672

Lims Sample ID: 2

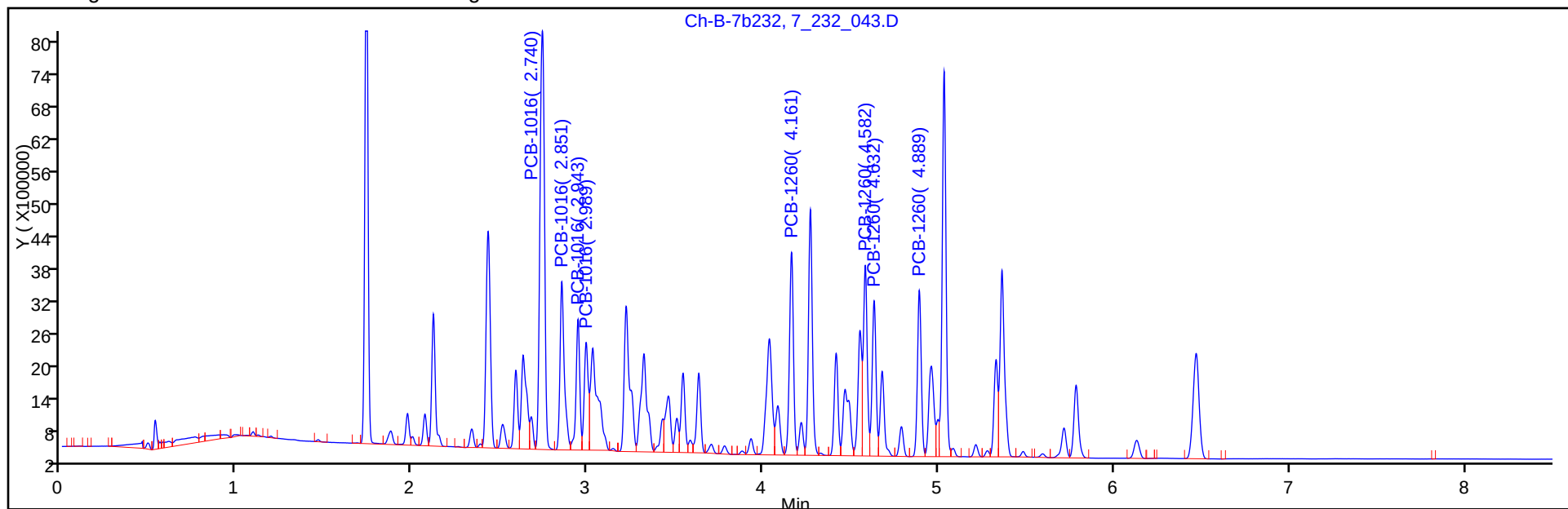
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74672/14 Calibration Date: 08/01/2012 10:01
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_232_054.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	4100715	3944408		0.481	0.500	-3.8	15.0
PCB-1016 Peak 2	Ave	2399813	2373758		0.495	0.500	-1.1	15.0
PCB-1016 Peak 3	Ave	8379806	8087854		0.483	0.500	-3.5	15.0
PCB-1016 Peak 4	Ave	3248052	2977698		0.458	0.500	-8.3	15.0
PCB-1260 Peak 1	Ave	3209320	3159354		0.492	0.500	-1.6	15.0
PCB-1260 Peak 2	Ave	2731263	2650664		0.485	0.500	-3.0	15.0
PCB-1260 Peak 3	Ave	7273283	7049368		0.485	0.500	-3.1	15.0
PCB-1260 Peak 4	Ave	3192347	3104292		0.486	0.500	-2.8	15.0
Tetrachloro-m-xylene	Ave	109275406	105410567		0.0289	0.0300	-3.5	15.0
DCB Decachlorobiphenyl	Ave	56609499	56087067		0.0297	0.0300	-0.9	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74672/14 Calibration Date: 08/01/2012 10:01
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_232_054.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.10	3.07	3.13
PCB-1016 Peak 4	3.19	3.16	3.22
PCB-1260 Peak 1	5.09	5.06	5.12
PCB-1260 Peak 2	5.28	5.25	5.31
PCB-1260 Peak 3	5.48	5.45	5.51
PCB-1260 Peak 4	5.75	5.72	5.78
Tetrachloro-m-xylene	2.16	2.13	2.19
DCB Decachlorobiphenyl	7.25	7.19	7.31

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_054.D
 Lims ID: ccv Client ID:
 Inject. Date: 01-Aug-2012 10:01:12 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 14
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 10:13:54 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 10:13:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.164	0.000	3162317	0.0289			
2	2	1.738	1.738	0.000	12294352	0.0299			

RPD = 3.16

6 PCB-1016

1	1	2.744	2.744	0.000	1972204	0.4809		100.0	
1	2	2.898	2.898	0.000	1186879	0.4946	22.8- 82.8	60.2	
1	3	3.100	3.100	0.000	4043927	0.4826	152.2- 212.2	205.0	
1	4	3.185	3.185	0.000	1488849	0.4584		100.0	
Average of Peak Amounts =						0.4791			
2	5	2.742	2.742	0.000	14656647	0.4657		100.0	
2	6	2.853	2.853	0.000	5550741	0.4852	5.5- 65.5	37.9	
2	7	2.944	2.944	0.000	3746753	0.5034	0.0- 49.9	25.6	
2	8	2.991	2.991	0.000	3319498	0.4979	0.0- 48.7	22.6	
Average of Peak Amounts =						0.4881			

RPD = 1.85

9 PCB-1260

1	1	5.089	5.089	0.000	1579677	0.4922		100.0	
1	2	5.279	5.279	0.000	1325332	0.4852	52.3- 112.3	83.9	
1	3	5.483	5.483	0.000	3524684	0.4846	192.4- 252.4	223.1	
1	4	5.747	5.747	0.000	1552146	0.4862		100.0	
Average of Peak Amounts =						0.4871			
2	5	4.162	4.162	0.000	6481521	0.4801		100.0	
2	6	4.582	4.582	0.000	5943541	0.4955	54.7- 114.7	91.7	
2	7	4.633	4.633	0.000	4955339	0.4925	40.7- 100.7	76.5	
2	8	4.891	4.891	0.000	5130495	0.5034	37.7- 97.7	79.2	
Average of Peak Amounts =						0.4929			

RPD = 1.19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.248	0.000	1682612	0.0297			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.468	6.468	0.000	5157412	0.0316			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 6.13

Report Date: 01-Aug-2012 10:13:54

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_054.D

Injection Date: 01-Aug-2012 10:01:12

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

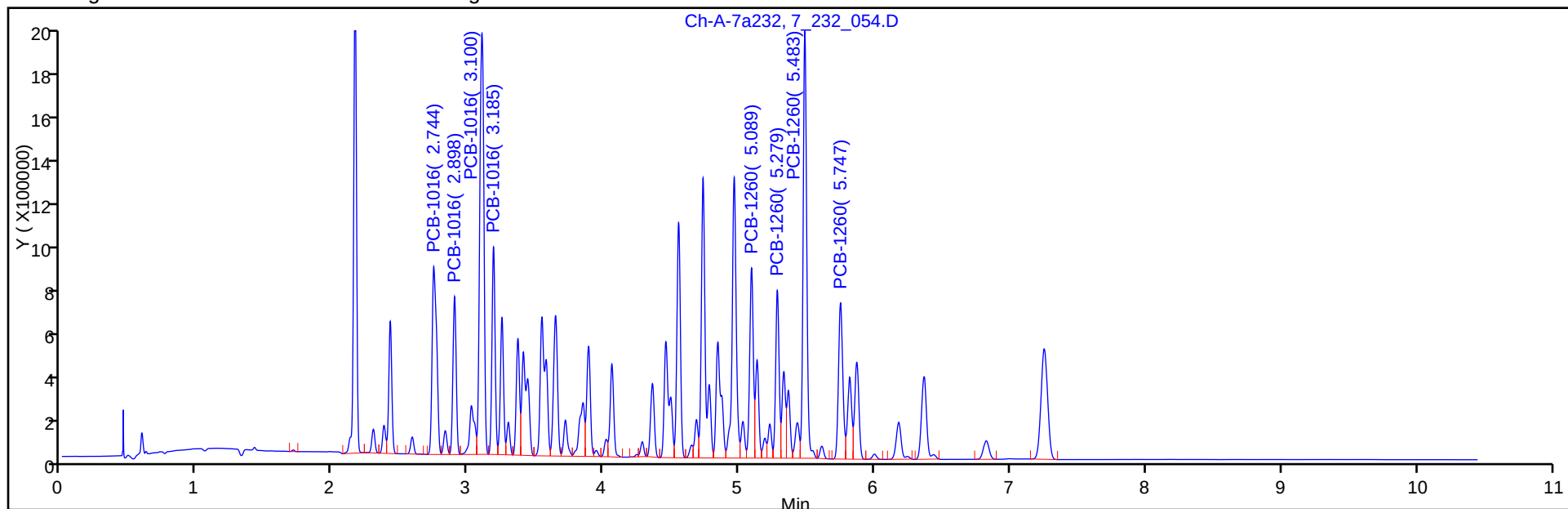
Lims Batch ID: 74672

Lims Sample ID: 14

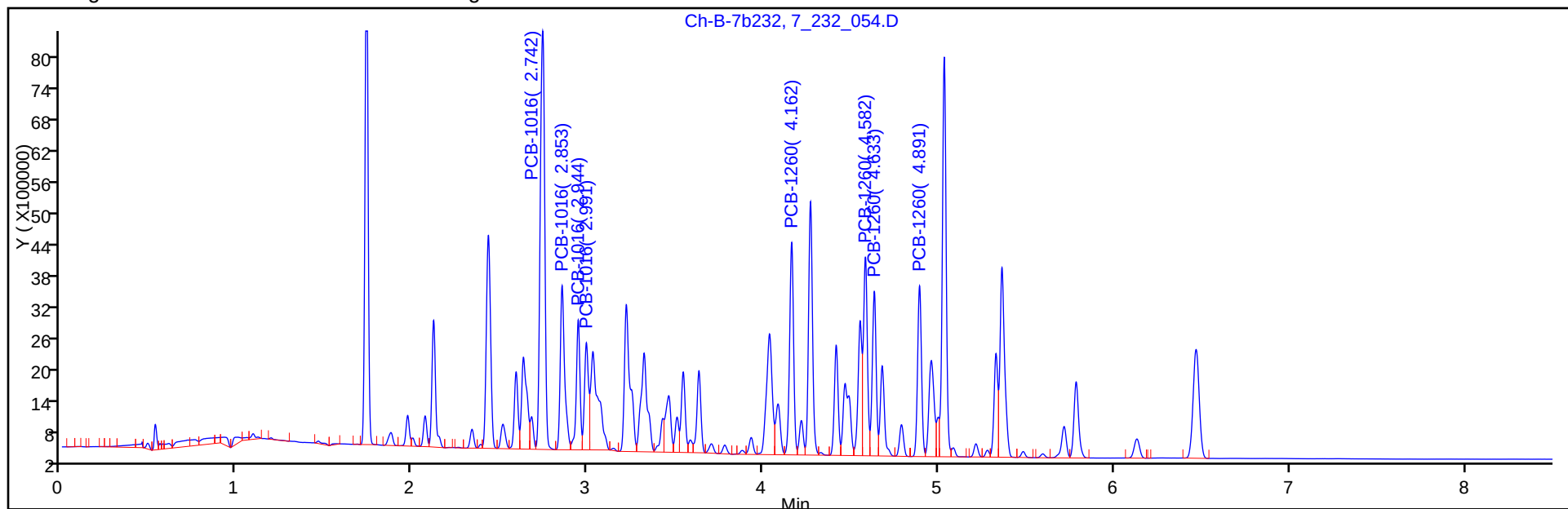
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74672/14 Calibration Date: 08/01/2012 10:01
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_232_054.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	31469840	29313294		0.466	0.500	-6.9	15.0
PCB-1016 Peak 2	Ave	11439281	11101482		0.485	0.500	-3.0	15.0
PCB-1016 Peak 3	Ave	7443622	7493506		0.503	0.500	0.7	15.0
PCB-1016 Peak 4	Ave	6666996	6638996		0.498	0.500	-0.4	15.0
PCB-1260 Peak 1	Ave	13499115	12963042		0.480	0.500	-4.0	15.0
PCB-1260 Peak 2	Ave	11994188	11887082		0.496	0.500	-0.9	15.0
PCB-1260 Peak 3	Ave	10061494	9910678		0.493	0.500	-1.5	15.0
PCB-1260 Peak 4	Ave	10191877	10260990		0.503	0.500	0.7	15.0
Tetrachloro-m-xylene	Ave	411616235	409811733		0.0299	0.0300	-0.4	15.0
DCB Decachlorobiphenyl	Ave	163191757	171913733		0.0316	0.0300	5.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74672/14 Calibration Date: 08/01/2012 10:01
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_232_054.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.85	2.82	2.88
PCB-1016 Peak 3	2.94	2.91	2.97
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1260 Peak 1	4.16	4.13	4.19
PCB-1260 Peak 2	4.58	4.55	4.61
PCB-1260 Peak 3	4.63	4.60	4.66
PCB-1260 Peak 4	4.89	4.86	4.92
Tetrachloro-m-xylene	1.74	1.71	1.77
DCB Decachlorobiphenyl	6.47	6.41	6.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_054.D
 Lims ID: ccv Client ID:
 Inject. Date: 01-Aug-2012 10:01:12 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 14
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 10:13:54 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 10:13:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.164	0.000	3162317	0.0289			
2	2	1.738	1.738	0.000	12294352	0.0299			

RPD = 3.16

6 PCB-1016

1	1	2.744	2.744	0.000	1972204	0.4809		100.0	
1	2	2.898	2.898	0.000	1186879	0.4946	22.8- 82.8	60.2	
1	3	3.100	3.100	0.000	4043927	0.4826	152.2- 212.2	205.0	
1	4	3.185	3.185	0.000	1488849	0.4584		100.0	
Average of Peak Amounts =						0.4791			
2	5	2.742	2.742	0.000	14656647	0.4657		100.0	
2	6	2.853	2.853	0.000	5550741	0.4852	5.5- 65.5	37.9	
2	7	2.944	2.944	0.000	3746753	0.5034	0.0- 49.9	25.6	
2	8	2.991	2.991	0.000	3319498	0.4979	0.0- 48.7	22.6	
Average of Peak Amounts =						0.4881			

RPD = 1.85

9 PCB-1260

1	1	5.089	5.089	0.000	1579677	0.4922		100.0	
1	2	5.279	5.279	0.000	1325332	0.4852	52.3- 112.3	83.9	
1	3	5.483	5.483	0.000	3524684	0.4846	192.4- 252.4	223.1	
1	4	5.747	5.747	0.000	1552146	0.4862		100.0	
Average of Peak Amounts =						0.4871			
2	5	4.162	4.162	0.000	6481521	0.4801		100.0	
2	6	4.582	4.582	0.000	5943541	0.4955	54.7- 114.7	91.7	
2	7	4.633	4.633	0.000	4955339	0.4925	40.7- 100.7	76.5	
2	8	4.891	4.891	0.000	5130495	0.5034	37.7- 97.7	79.2	
Average of Peak Amounts =						0.4929			

RPD = 1.19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.248	0.000	1682612	0.0297			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.468	6.468	0.000	5157412	0.0316			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 6.13

Report Date: 01-Aug-2012 10:13:54

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_054.D

Injection Date: 01-Aug-2012 10:01:12

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

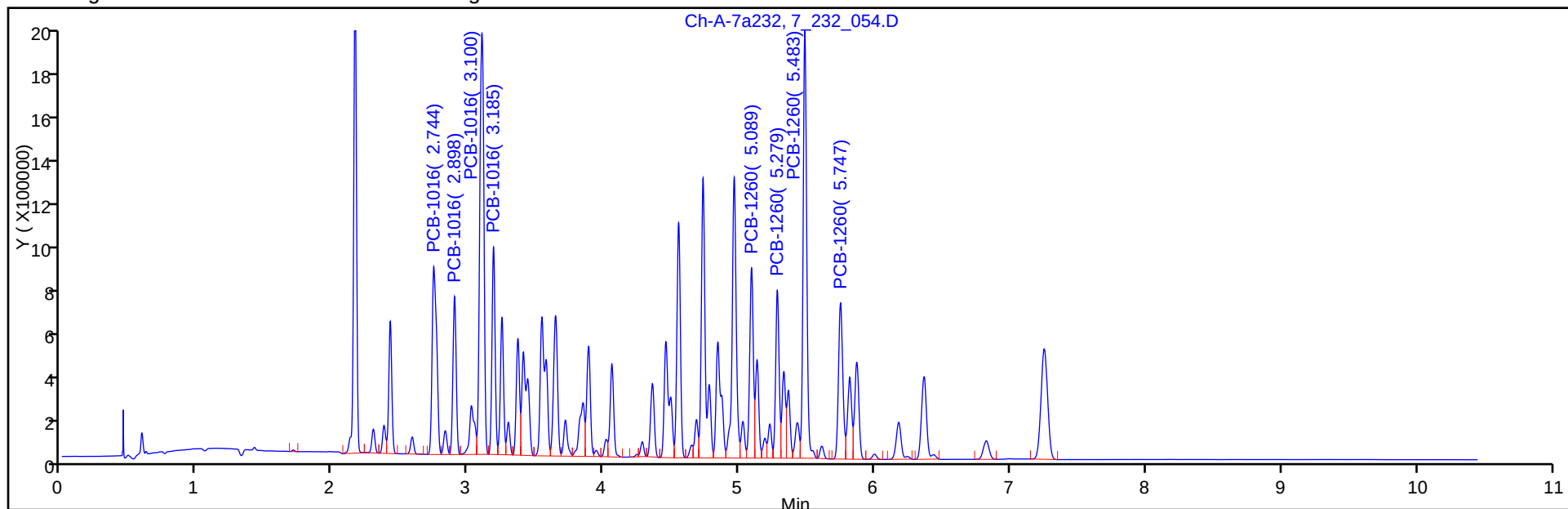
Lims Batch ID: 74672

Lims Sample ID: 14

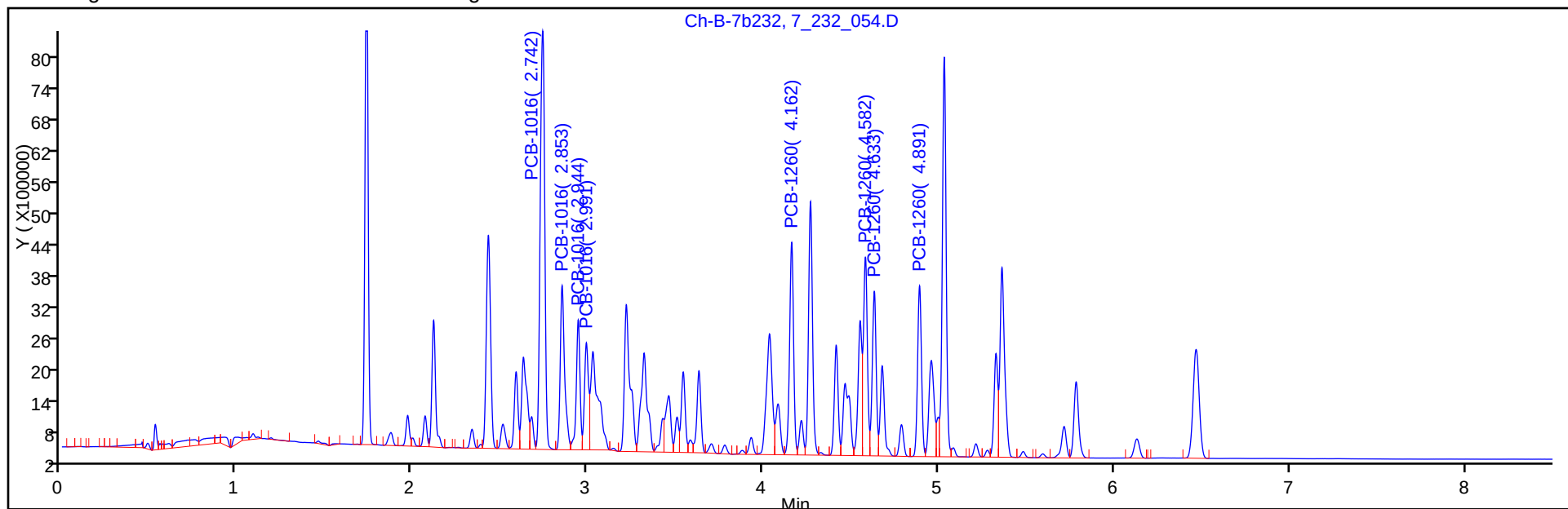
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74672/22 Calibration Date: 08/01/2012 12:40
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_232_064.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	4100715	3874900		0.472	0.500	-5.5	15.0
PCB-1016 Peak 2	Ave	2399813	2366472		0.493	0.500	-1.4	15.0
PCB-1016 Peak 3	Ave	8379806	8061130		0.481	0.500	-3.8	15.0
PCB-1016 Peak 4	Ave	3248052	2971376		0.457	0.500	-8.5	15.0
PCB-1260 Peak 1	Ave	3209320	3178692		0.495	0.500	-1.0	15.0
PCB-1260 Peak 2	Ave	2731263	2663926		0.488	0.500	-2.5	15.0
PCB-1260 Peak 3	Ave	7273283	7091870		0.488	0.500	-2.5	15.0
PCB-1260 Peak 4	Ave	3192347	3106624		0.487	0.500	-2.7	15.0
Tetrachloro-m-xylene	Ave	109275406	104699433		0.0287	0.0300	-4.2	15.0
DCB Decachlorobiphenyl	Ave	56609499	56876567		0.0301	0.0300	0.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74672/22 Calibration Date: 08/01/2012 12:40
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-5 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_232_064.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.75	2.72	2.78
PCB-1016 Peak 2	2.90	2.87	2.93
PCB-1016 Peak 3	3.10	3.07	3.13
PCB-1016 Peak 4	3.19	3.16	3.22
PCB-1260 Peak 1	5.09	5.06	5.12
PCB-1260 Peak 2	5.28	5.25	5.31
PCB-1260 Peak 3	5.49	5.46	5.52
PCB-1260 Peak 4	5.75	5.72	5.78
Tetrachloro-m-xylene	2.17	2.14	2.20
DCB Decachlorobiphenyl	7.25	7.19	7.31

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_064.D
 Lims ID: ccv Client ID:
 Inject. Date: 01-Aug-2012 12:40:26 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 22
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 12:55:13 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 12:55:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	3140983	0.0287			
2	2	1.738	1.738	0.000	12111498	0.0294			

RPD = 2.34

6 PCB-1016

1	1	2.747	2.747	0.000	1937450	0.4725		100.0	
1	2	2.899	2.899	0.000	1183236	0.4931	22.8- 82.8	61.1	
1	3	3.103	3.103	0.000	4030565	0.4810	152.2- 212.2	208.0	
1	4	3.187	3.187	0.000	1485688	0.4574		100.0	
Average of Peak Amounts =						0.4760			
2	5	2.742	2.742	0.000	14322501	0.4551		100.0	
2	6	2.853	2.853	0.000	5386499	0.4709	5.5- 65.5	37.6	
2	7	2.945	2.945	0.000	3634295	0.4882	0.0- 49.9	25.4	
2	8	2.993	2.993	0.000	3248526	0.4873	0.0- 48.7	22.7	
Average of Peak Amounts =						0.4754			

RPD = 0.13

9 PCB-1260

1	1	5.092	5.092	0.000	1589346	0.4952		100.0	
1	2	5.283	5.283	0.000	1331963	0.4877	52.3- 112.3	83.8	
1	3	5.485	5.485	0.000	3545935	0.4875	192.4- 252.4	223.1	
1	4	5.749	5.749	0.000	1553312	0.4866		100.0	
Average of Peak Amounts =						0.4893			
2	5	4.163	4.163	0.000	6422874	0.4758		100.0	
2	6	4.584	4.584	0.000	5803895	0.4839	54.7- 114.7	90.4	
2	7	4.634	4.634	0.000	4793917	0.4765	40.7- 100.7	74.6	
2	8	4.893	4.893	0.000	5120633	0.5024	37.7- 97.7	79.7	
Average of Peak Amounts =						0.4846			

RPD = 0.95

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.254	7.254	0.000	1706297	0.0301			
2	2	6.473	6.473	0.000	5195880	0.0318			

RPD = 5.48

Report Date: 01-Aug-2012 12:55:13

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_064.D

Injection Date: 01-Aug-2012 12:40:26

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

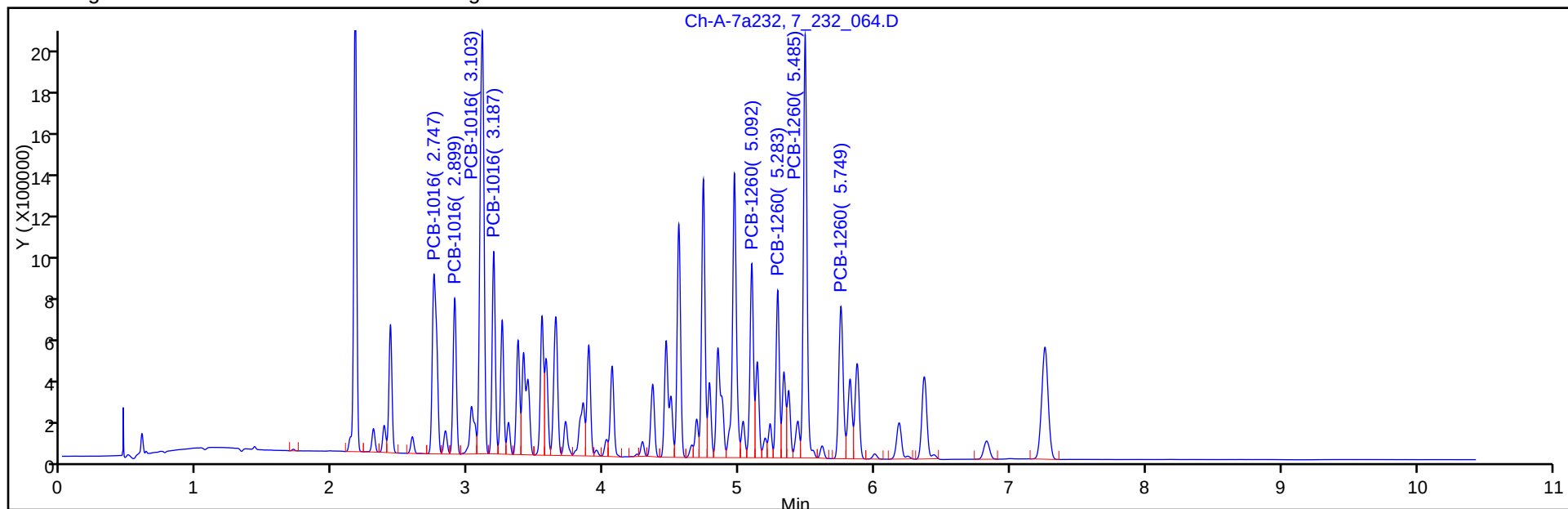
Lims Batch ID: 74672

Lims Sample ID: 22

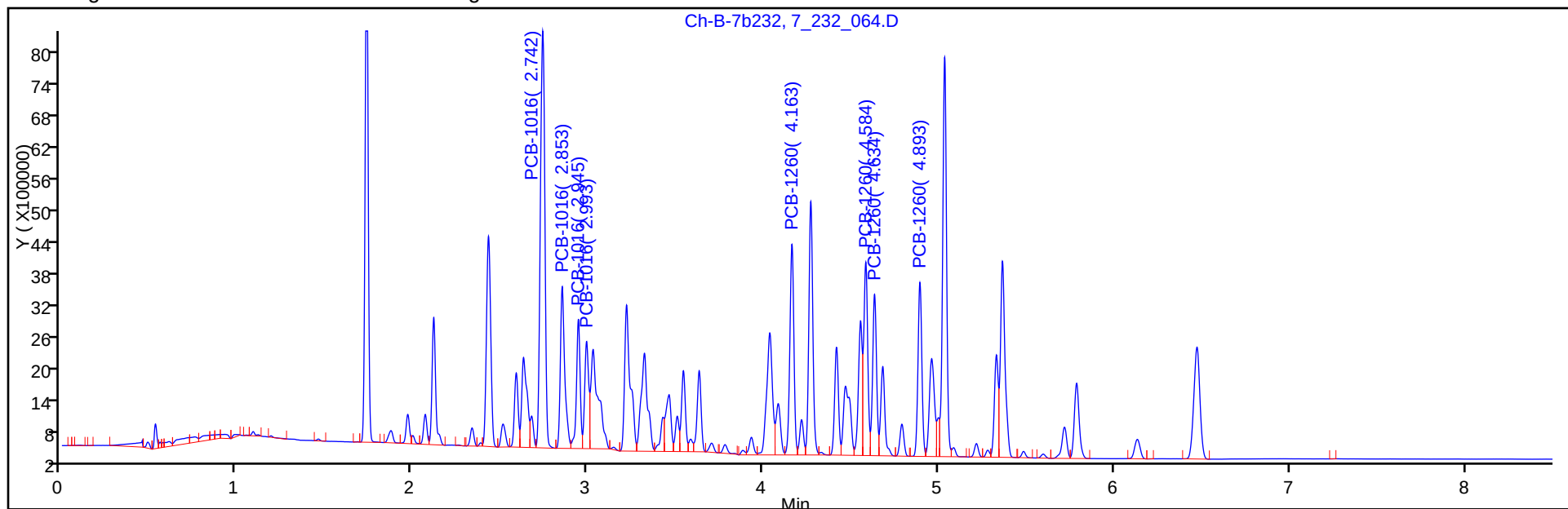
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Lab Sample ID: CCV 480-74672/22 Calibration Date: 08/01/2012 12:40
 Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
 GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
 Lab File ID: 7_232_064.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	31469840	28645002		0.455	0.500	-9.0	15.0
PCB-1016 Peak 2	Ave	11439281	10772998		0.471	0.500	-5.8	15.0
PCB-1016 Peak 3	Ave	7443622	7268590		0.488	0.500	-2.4	15.0
PCB-1016 Peak 4	Ave	6666996	6497052		0.487	0.500	-2.5	15.0
PCB-1260 Peak 1	Ave	13499115	12845748		0.476	0.500	-4.8	15.0
PCB-1260 Peak 2	Ave	11994188	11607790		0.484	0.500	-3.2	15.0
PCB-1260 Peak 3	Ave	10061494	9587834		0.476	0.500	-4.7	15.0
PCB-1260 Peak 4	Ave	10191877	10241266		0.502	0.500	0.5	15.0
Tetrachloro-m-xylene	Ave	411616235	403716600		0.0294	0.0300	-1.9	15.0
DCB Decachlorobiphenyl	Ave	163191757	173196000		0.0318	0.0300	6.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Lab Sample ID: CCV 480-74672/22 Calibration Date: 08/01/2012 12:40
Instrument ID: HP6890-7 Calib Start Date: 07/26/2012 12:11
GC Column: ZB-35 ID: 0.53 (mm) Calib End Date: 07/26/2012 13:15
Lab File ID: 7_232_064.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.74	2.71	2.77
PCB-1016 Peak 2	2.85	2.82	2.88
PCB-1016 Peak 3	2.95	2.92	2.98
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1260 Peak 1	4.16	4.13	4.19
PCB-1260 Peak 2	4.58	4.55	4.61
PCB-1260 Peak 3	4.63	4.60	4.66
PCB-1260 Peak 4	4.89	4.86	4.92
Tetrachloro-m-xylene	1.74	1.71	1.77
DCB Decachlorobiphenyl	6.47	6.41	6.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_064.D
 Lims ID: ccv Client ID:
 Inject. Date: 01-Aug-2012 12:40:26 Dil. Factor: 1.0000
 Sample Type: CCV
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 22
 Sublist: chrom-HP7-PCBS*sub1
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 12:55:13 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 12:55:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.165	0.000	3140983	0.0287			
2	2	1.738	1.738	0.000	12111498	0.0294			

RPD = 2.34

6 PCB-1016

1	1	2.747	2.747	0.000	1937450	0.4725		100.0	
1	2	2.899	2.899	0.000	1183236	0.4931	22.8- 82.8	61.1	
1	3	3.103	3.103	0.000	4030565	0.4810	152.2- 212.2	208.0	
1	4	3.187	3.187	0.000	1485688	0.4574		100.0	
Average of Peak Amounts =						0.4760			
2	5	2.742	2.742	0.000	14322501	0.4551		100.0	
2	6	2.853	2.853	0.000	5386499	0.4709	5.5- 65.5	37.6	
2	7	2.945	2.945	0.000	3634295	0.4882	0.0- 49.9	25.4	
2	8	2.993	2.993	0.000	3248526	0.4873	0.0- 48.7	22.7	
Average of Peak Amounts =						0.4754			

RPD = 0.13

9 PCB-1260

1	1	5.092	5.092	0.000	1589346	0.4952		100.0	
1	2	5.283	5.283	0.000	1331963	0.4877	52.3- 112.3	83.8	
1	3	5.485	5.485	0.000	3545935	0.4875	192.4- 252.4	223.1	
1	4	5.749	5.749	0.000	1553312	0.4866		100.0	
Average of Peak Amounts =						0.4893			
2	5	4.163	4.163	0.000	6422874	0.4758		100.0	
2	6	4.584	4.584	0.000	5803895	0.4839	54.7- 114.7	90.4	
2	7	4.634	4.634	0.000	4793917	0.4765	40.7- 100.7	74.6	
2	8	4.893	4.893	0.000	5120633	0.5024	37.7- 97.7	79.7	
Average of Peak Amounts =						0.4846			

RPD = 0.95

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.254	7.254	0.000	1706297	0.0301			
---	---	-------	-------	-------	---------	--------	--	--	--

2	2	6.473	6.473	0.000	5195880	0.0318			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 5.48

Report Date: 01-Aug-2012 12:55:13

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_064.D

Injection Date: 01-Aug-2012 12:40:26

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

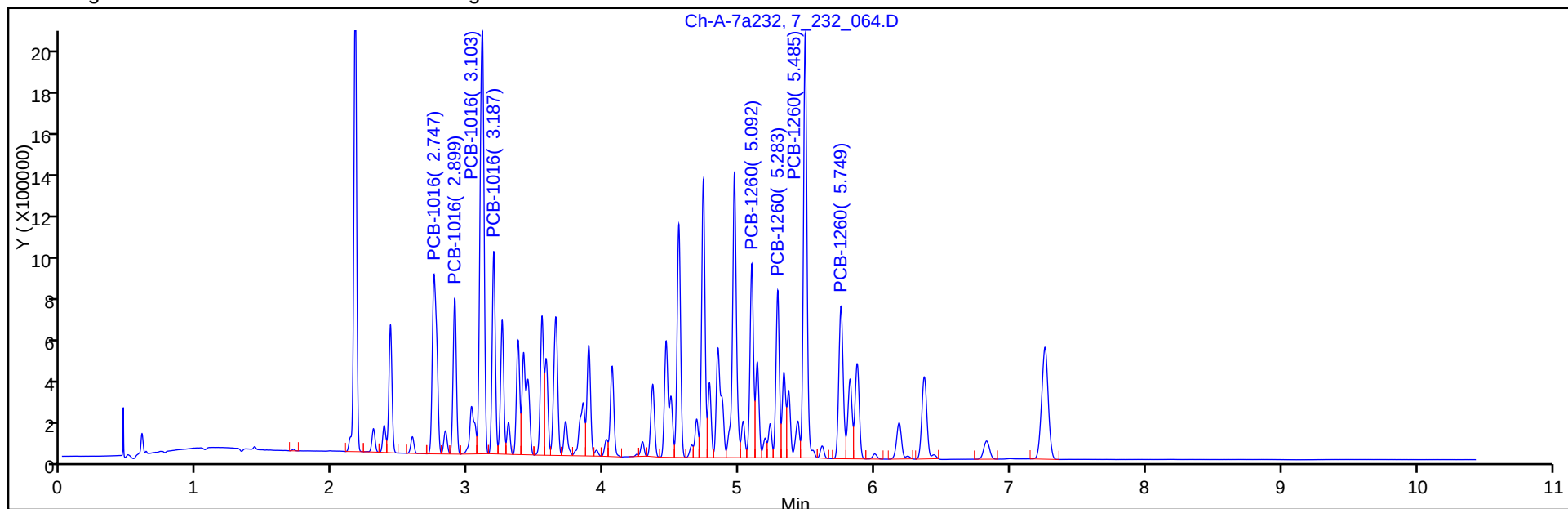
Lims Batch ID: 74672

Lims Sample ID: 22

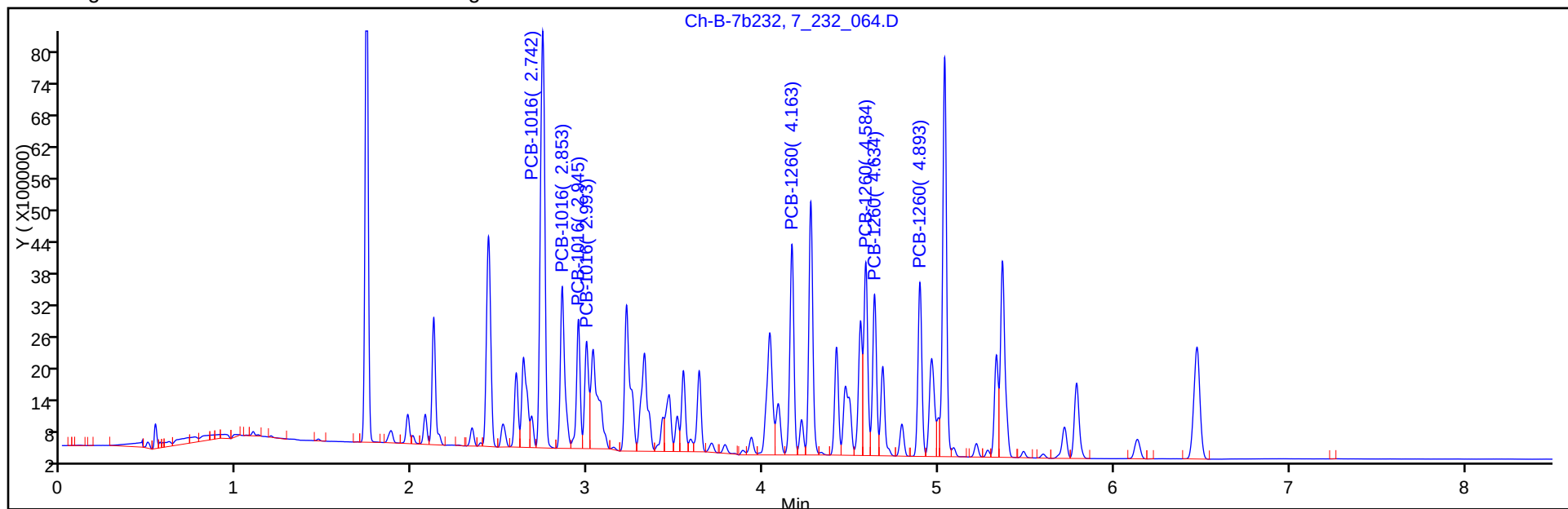
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-74107/1-A
 Matrix: Water Lab File ID: 7_231_130.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1000 (mL) Date Analyzed: 07/29/2012 19:50
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.18
11104-28-2	PCB-1221	0.50	U	0.50	0.18
11141-16-5	PCB-1232	0.50	U	0.50	0.18
53469-21-9	PCB-1242	0.50	U	0.50	0.18
12672-29-6	PCB-1248	0.50	U	0.50	0.18
11097-69-1	PCB-1254	0.50	U	0.50	0.25
11096-82-5	PCB-1260	0.50	U	0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		19-120
877-09-8	Tetrachloro-m-xylene	90		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_130.D
 Lims ID: MB 480-74107/1-A Client ID:
 Inject. Date: 29-Jul-2012 19:50:24 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 41
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 10:16:32 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK001

First Level Reviewer: michalej

Date: 30-Jul-2012 11:03:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.163	0.001	1958906	0.0179			
2	2	1.738	1.734	0.004	7814668	0.0190			

RPD = 5.74

4 PCB-1242

1	1	2.742	2.743	0.000	2611	0.000857		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.100	3.098	0.002	9073	0.001469	172.7- 232.7	347.5	
1	4	3.190	3.183	0.007	36362	0.0159	45.3- 105.3	1392.6	
		Average of Peak Amounts =				0.006059			
2	5	2.432	2.428	0.004	20758	0.001931		100.0	
2	6	2.743	2.738	0.005	47286	0.002189	170.9- 230.9	227.8	
2	7	2.847	2.848	-0.001	8318	0.001004	47.1- 107.1	40.1	
2	8	2.944	2.940	0.004	17077	0.003061	21.9- 81.9	82.3	
		Average of Peak Amounts =				0.002046			

RPD = 99.02

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.248	0.004	1003651	0.0177			
2	2	6.470	6.465	0.005	3001293	0.0184			

RPD = 3.66

Report Date: 30-Jul-2012 11:15:53

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_130.D

Injection Date: 29-Jul-2012 19:50:24

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

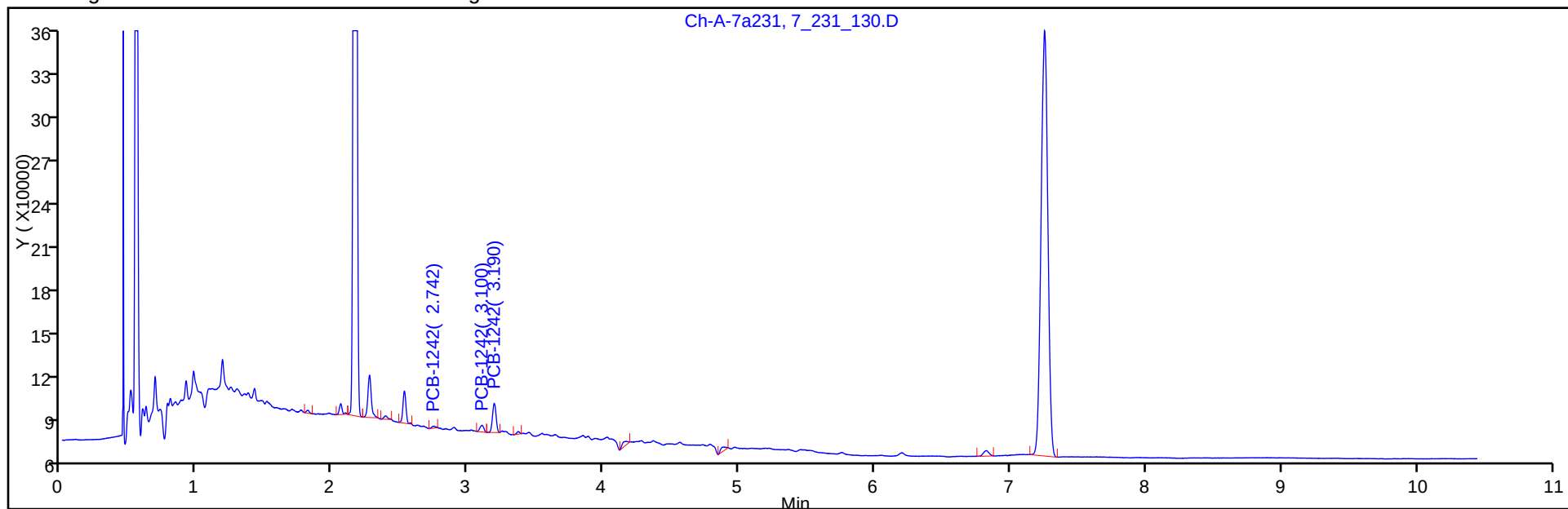
Lims Batch ID: 74328

Lims Sample ID: 41

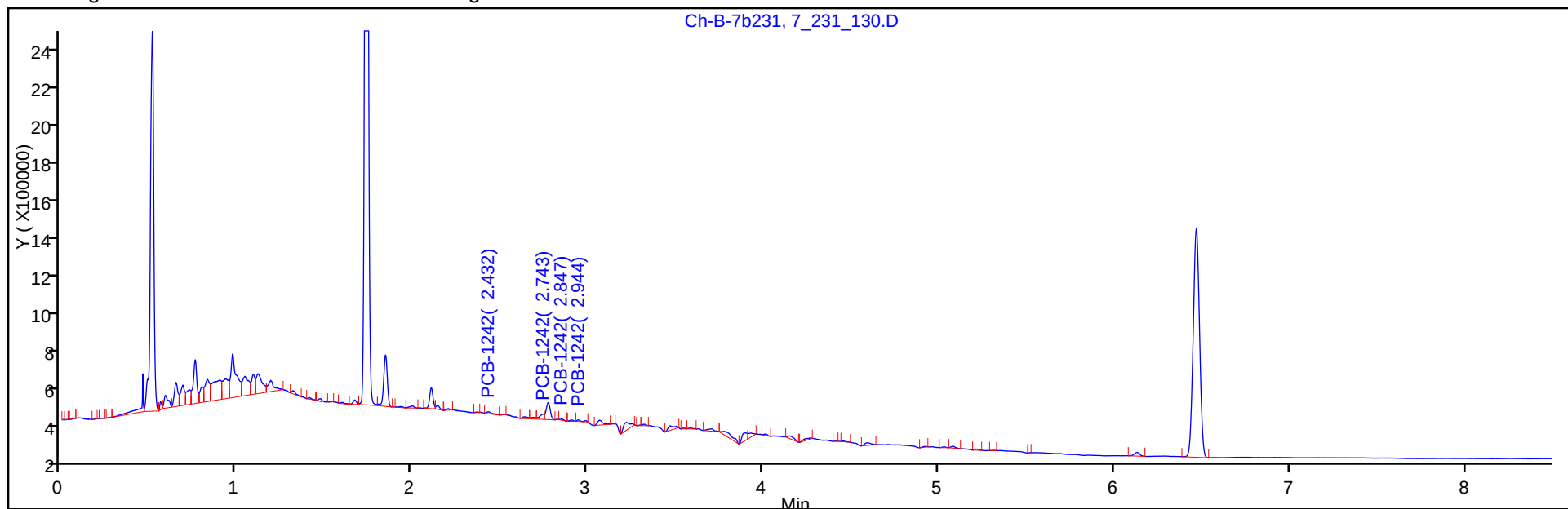
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-74107/1-A
Matrix: Water Lab File ID: 7_231_130.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1000 (mL) Date Analyzed: 07/29/2012 19:50
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	92		19-120
877-09-8	Tetrachloro-m-xylene	95		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_130.D
 Lims ID: MB 480-74107/1-A Client ID:
 Inject. Date: 29-Jul-2012 19:50:24 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 41
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 10:16:32 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK001

First Level Reviewer: michalej

Date: 30-Jul-2012 11:03:54

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.163	0.001	1958906	0.0179			
2	2	1.738	1.734	0.004	7814668	0.0190			

RPD = 5.74

4 PCB-1242

1	1	2.742	2.743	0.000	2611	0.000857		100.0	
1	2	0.0	2.895	-2.895	0	0	29.7- 89.7		
1	3	3.100	3.098	0.002	9073	0.001469	172.7- 232.7	347.5	
1	4	3.190	3.183	0.007	36362	0.0159	45.3- 105.3	1392.6	
		Average of Peak Amounts =				0.006059			
2	5	2.432	2.428	0.004	20758	0.001931		100.0	
2	6	2.743	2.738	0.005	47286	0.002189	170.9- 230.9	227.8	
2	7	2.847	2.848	-0.001	8318	0.001004	47.1- 107.1	40.1	
2	8	2.944	2.940	0.004	17077	0.003061	21.9- 81.9	82.3	
		Average of Peak Amounts =				0.002046			

RPD = 99.02

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.248	0.004	1003651	0.0177			
2	2	6.470	6.465	0.005	3001293	0.0184			

RPD = 3.66

Report Date: 30-Jul-2012 11:15:53

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_130.D

Injection Date: 29-Jul-2012 19:50:24

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

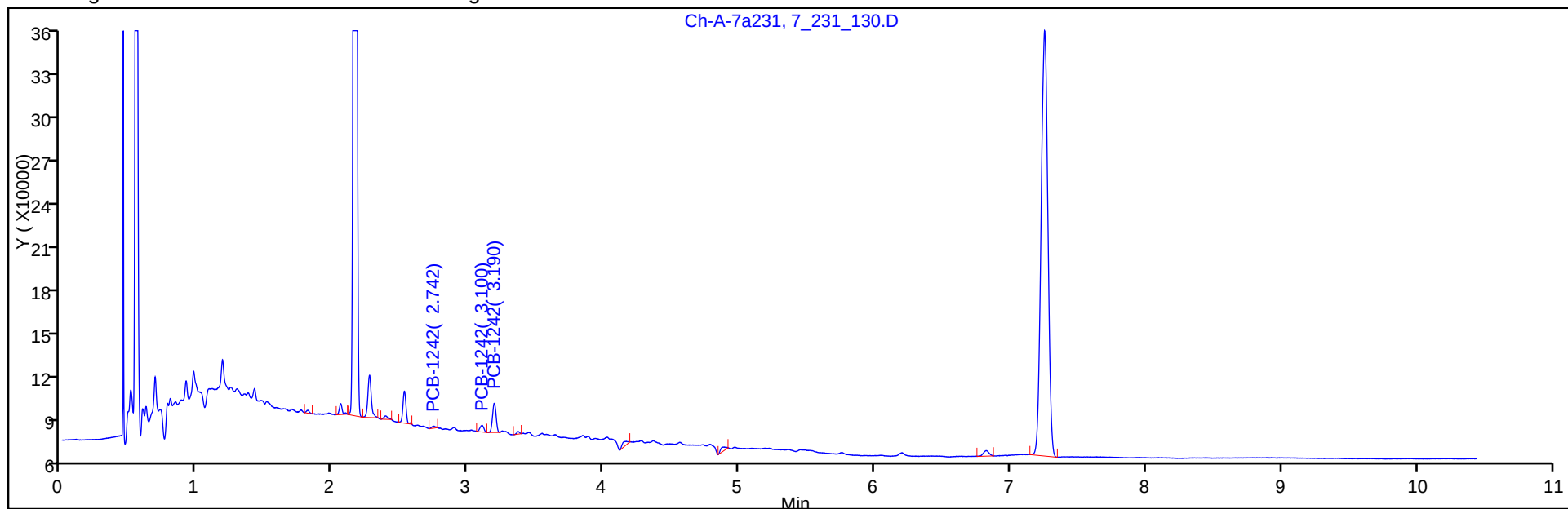
Lims Batch ID: 74328

Lims Sample ID: 41

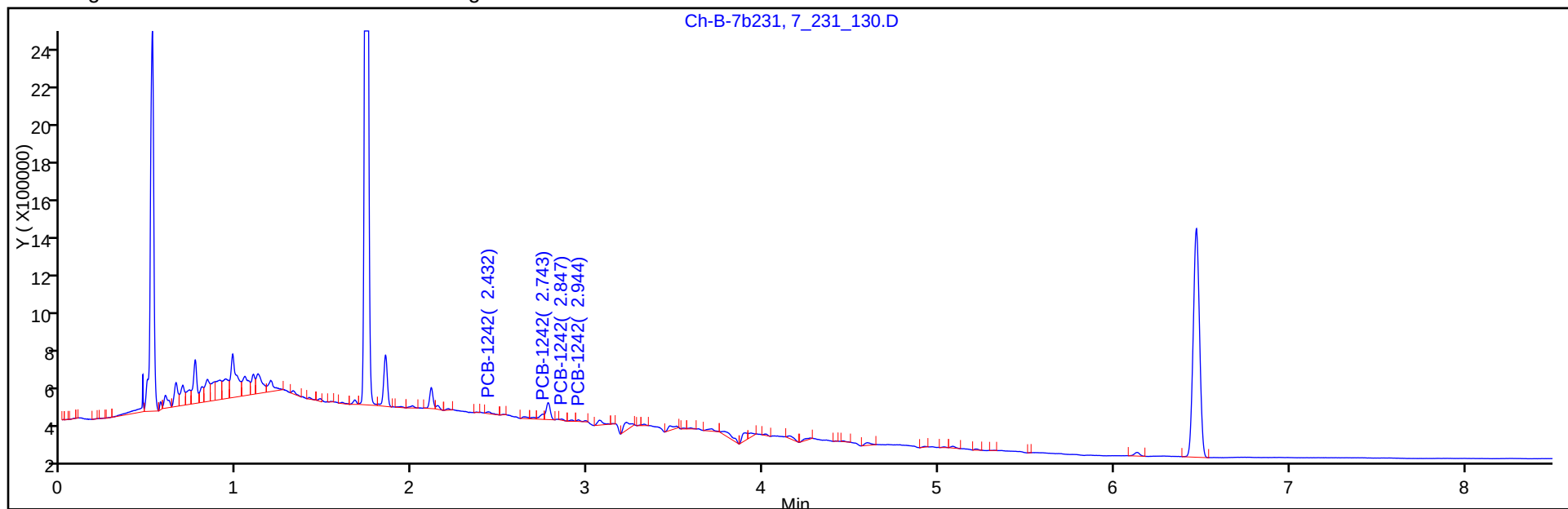
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-74514/1-A
 Matrix: Water Lab File ID: 7_232_045.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 07/31/2012 08:20
 Sample wt/vol: 1000 (mL) Date Analyzed: 08/01/2012 06:57
 Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.18
11104-28-2	PCB-1221	0.50	U	0.50	0.18
11141-16-5	PCB-1232	0.50	U	0.50	0.18
53469-21-9	PCB-1242	0.50	U	0.50	0.18
12672-29-6	PCB-1248	0.50	U	0.50	0.18
11097-69-1	PCB-1254	0.50	U	0.50	0.25
11096-82-5	PCB-1260	0.50	U	0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	58		19-120
877-09-8	Tetrachloro-m-xylene	82		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_045.D
 Lims ID: MB 480-74514/1-A Client ID:
 Inject. Date: 01-Aug-2012 06:57:26 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 4
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 07:13:54 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK001

First Level Reviewer: michalej

Date: 01-Aug-2012 07:14:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.163	0.002	1792277	0.0164			
2	2	1.735	1.737	-0.002	7586071	0.0184			

RPD = 11.65

E 12 DCB Decachlorobiphenyl

1	1	7.256	7.253	0.004	658418	0.0116			
2	2	6.469	6.468	0.001	2066322	0.0127			

RPD = 8.49

Report Date: 01-Aug-2012 07:14:03

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_045.D

Injection Date: 01-Aug-2012 06:57:26

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

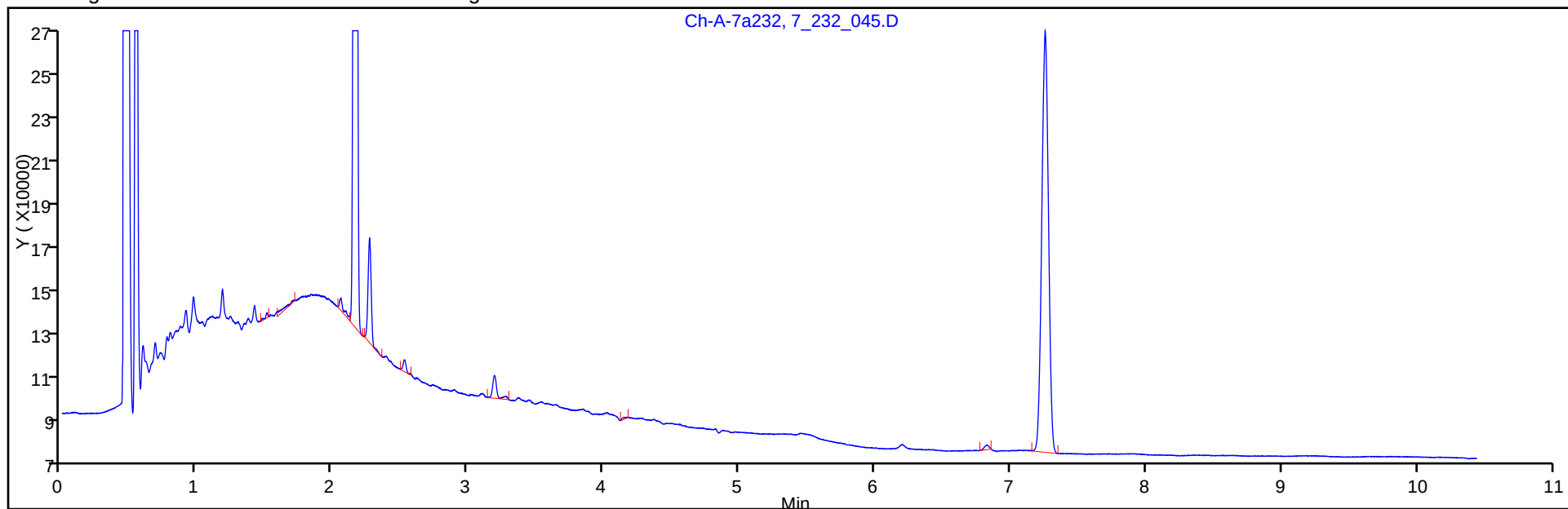
Lims Batch ID: 74672

Lims Sample ID: 4

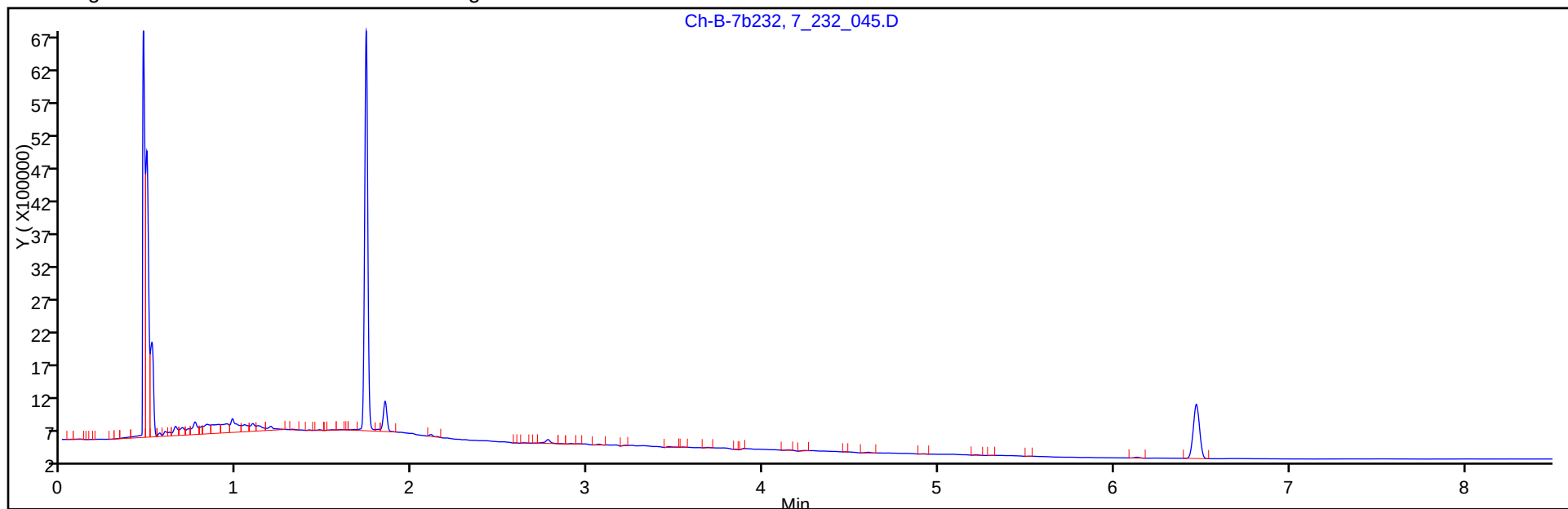
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 480-74514/1-A
Matrix: Water Lab File ID: 7_232_045.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3510C Date Extracted: 07/31/2012 08:20
Sample wt/vol: 1000 (mL) Date Analyzed: 08/01/2012 06:57
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	63		19-120
877-09-8	Tetrachloro-m-xylene	92		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_045.D
 Lims ID: MB 480-74514/1-A Client ID:
 Inject. Date: 01-Aug-2012 06:57:26 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 4
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 07:13:54 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK001

First Level Reviewer: michalej

Date: 01-Aug-2012 07:14:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.165	2.163	0.002	1792277	0.0164			
2	2	1.735	1.737	-0.002	7586071	0.0184			

RPD = 11.65

E 12 DCB Decachlorobiphenyl

1	1	7.256	7.253	0.004	658418	0.0116			
2	2	6.469	6.468	0.001	2066322	0.0127			

RPD = 8.49

Report Date: 01-Aug-2012 07:14:03

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_045.D

Injection Date: 01-Aug-2012 06:57:26

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

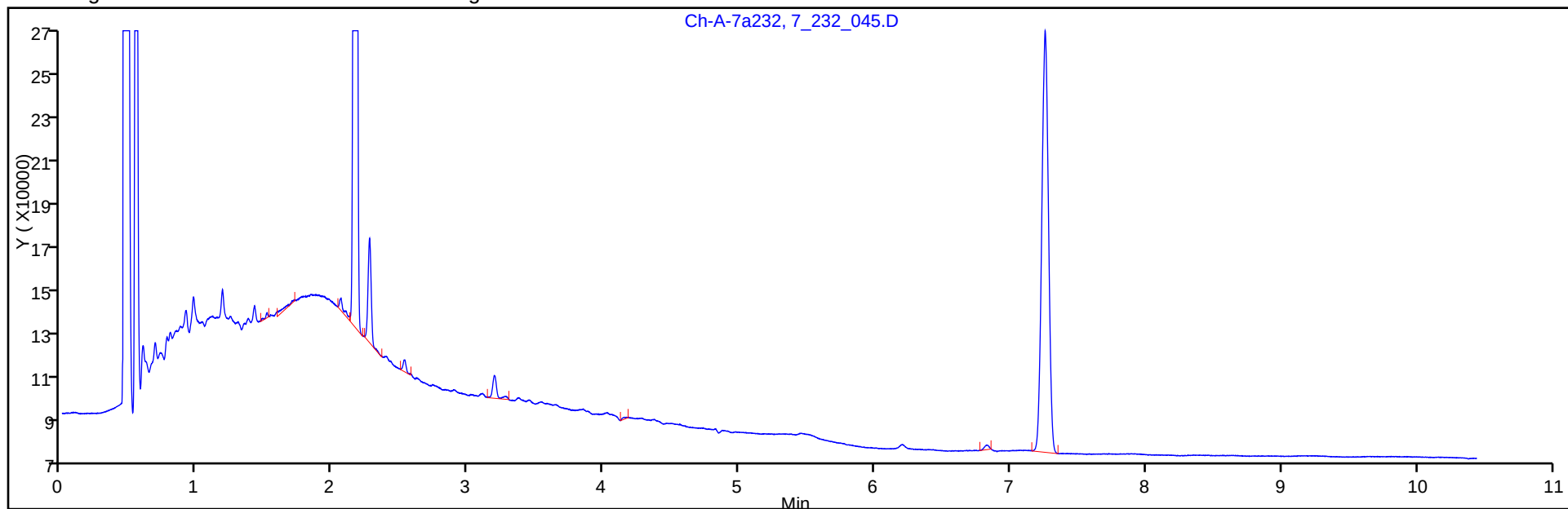
Lims Batch ID: 74672

Lims Sample ID: 4

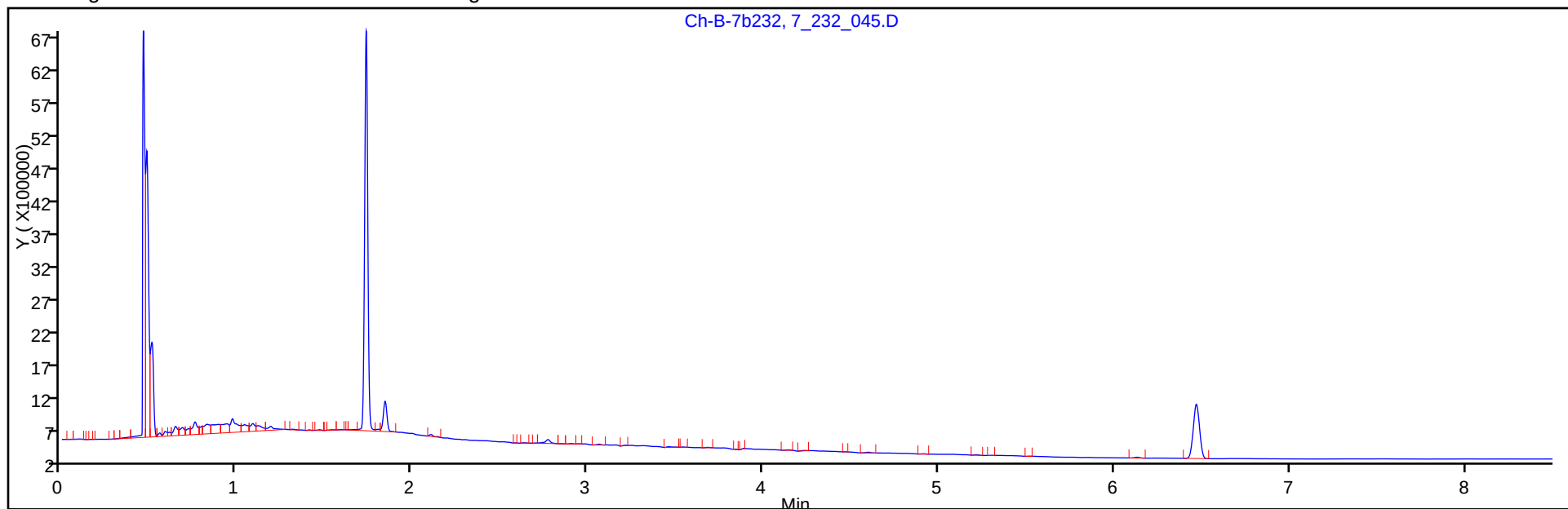
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-74107/2-A
 Matrix: Water Lab File ID: 7_231_131.D
 Analysis Method: 8082 Date Collected: _____
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1000 (mL) Date Analyzed: 07/29/2012 20:06
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.08		0.50	0.18
11096-82-5	PCB-1260	4.29		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		19-120
877-09-8	Tetrachloro-m-xylene	87		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_131.D
 Lims ID: LCS 480-74107/2-A Client ID:
 Inject. Date: 29-Jul-2012 20:06:14 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 42
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:05:19 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:05:21

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1911400	0.0175			
2	2	1.737	1.738	-0.001	7364792	0.0179			

RPD = 2.27

6 PCB-1016

1	1	2.744	2.746	-0.002	1648916	0.4021		100.0	
1	2	2.897	2.898	-0.001	1006948	0.4196	22.8- 82.8	61.1	
1	3	3.101	3.101	0.000	3454837	0.4123	152.2- 212.2	209.5	
1	4	3.185	3.185	0.000	1289799	0.3971		100.0	
Average of Peak Amounts =						0.4078			
2	5	2.741	2.742	-0.001	12173865	0.3868		100.0	
2	6	2.852	2.853	0.000	4617622	0.4037	5.5- 65.5	37.9	
2	7	2.944	2.944	0.000	3122294	0.4195	0.0- 49.9	25.6	
2	8	2.991	2.992	-0.001	2774688	0.4162	0.0- 48.7	22.8	
Average of Peak Amounts =						0.4065			

RPD = 0.30

9 PCB-1260

1	1	5.090	5.089	0.001	1371315	0.4273		100.0	
1	2	5.281	5.282	-0.001	1181618	0.4326	52.3- 112.3	86.2	
1	3	5.483	5.484	-0.001	3083769	0.4240	192.4- 252.4	224.9	
1	4	5.746	5.748	-0.002	1374056	0.4304		100.0	
Average of Peak Amounts =						0.4286			
2	5	4.161	4.161	0.000	5644378	0.4181		100.0	
2	6	4.583	4.583	0.000	4757993	0.3967	54.7- 114.7	84.3	
2	7	4.633	4.633	-0.001	3914107	0.3890	40.7- 100.7	69.3	
2	8	4.891	4.892	-0.001	4205041	0.4126	37.7- 97.7	74.5	
Average of Peak Amounts =						0.4041			

RPD = 5.88

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.252	-0.004	925017	0.0163			
---	---	-------	-------	--------	--------	--------	--	--	--

2	2	6.469	6.469	0.000	2744413	0.0168			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 2.88

Report Date: 30-Jul-2012 06:05:22

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_131.D

Injection Date: 29-Jul-2012 20:06:14

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

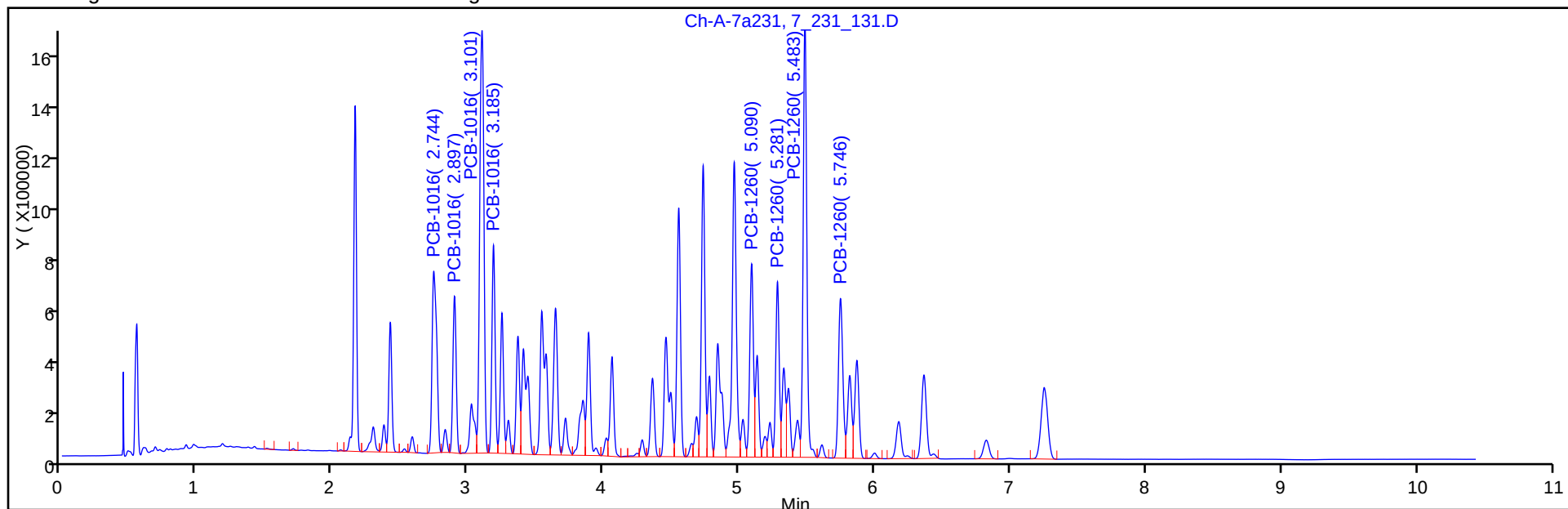
Lims Batch ID: 74328

Lims Sample ID: 42

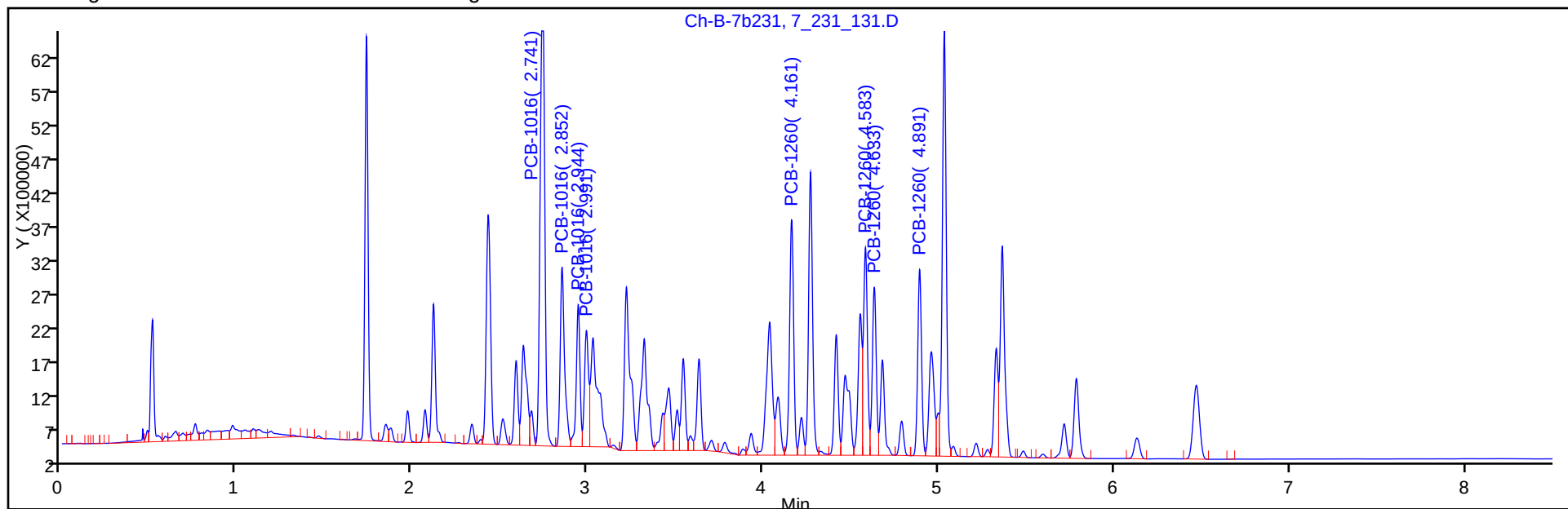
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-74107/2-A
Matrix: Water Lab File ID: 7_231_131.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1000 (mL) Date Analyzed: 07/29/2012 20:06
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	84		19-120
877-09-8	Tetrachloro-m-xylene	89		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_131.D
 Lims ID: LCS 480-74107/2-A Client ID:
 Inject. Date: 29-Jul-2012 20:06:14 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 42
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:05:19 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:05:21

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1911400	0.0175			
2	2	1.737	1.738	-0.001	7364792	0.0179			

RPD = 2.27

6 PCB-1016

1	1	2.744	2.746	-0.002	1648916	0.4021		100.0	
1	2	2.897	2.898	-0.001	1006948	0.4196	22.8- 82.8	61.1	
1	3	3.101	3.101	0.000	3454837	0.4123	152.2- 212.2	209.5	
1	4	3.185	3.185	0.000	1289799	0.3971		100.0	
Average of Peak Amounts =						0.4078			
2	5	2.741	2.742	-0.001	12173865	0.3868		100.0	
2	6	2.852	2.853	0.000	4617622	0.4037	5.5- 65.5	37.9	
2	7	2.944	2.944	0.000	3122294	0.4195	0.0- 49.9	25.6	
2	8	2.991	2.992	-0.001	2774688	0.4162	0.0- 48.7	22.8	
Average of Peak Amounts =						0.4065			

RPD = 0.30

9 PCB-1260

1	1	5.090	5.089	0.001	1371315	0.4273		100.0	
1	2	5.281	5.282	-0.001	1181618	0.4326	52.3- 112.3	86.2	
1	3	5.483	5.484	-0.001	3083769	0.4240	192.4- 252.4	224.9	
1	4	5.746	5.748	-0.002	1374056	0.4304		100.0	
Average of Peak Amounts =						0.4286			
2	5	4.161	4.161	0.000	5644378	0.4181		100.0	
2	6	4.583	4.583	0.000	4757993	0.3967	54.7- 114.7	84.3	
2	7	4.633	4.633	-0.001	3914107	0.3890	40.7- 100.7	69.3	
2	8	4.891	4.892	-0.001	4205041	0.4126	37.7- 97.7	74.5	
Average of Peak Amounts =						0.4041			

RPD = 5.88

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.248	7.252	-0.004	925017	0.0163			
---	---	-------	-------	--------	--------	--------	--	--	--

2	2	6.469	6.469	0.000	2744413	0.0168			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 2.88

Report Date: 30-Jul-2012 06:05:22

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_131.D

Injection Date: 29-Jul-2012 20:06:14

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

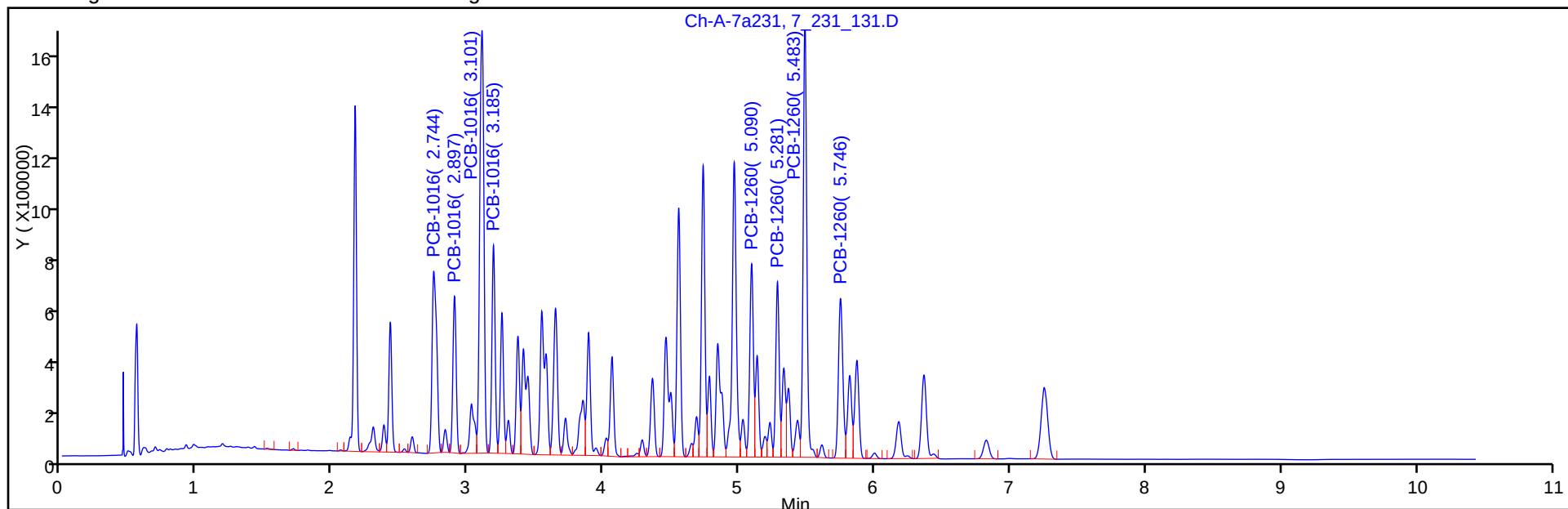
Lims Batch ID: 74328

Lims Sample ID: 42

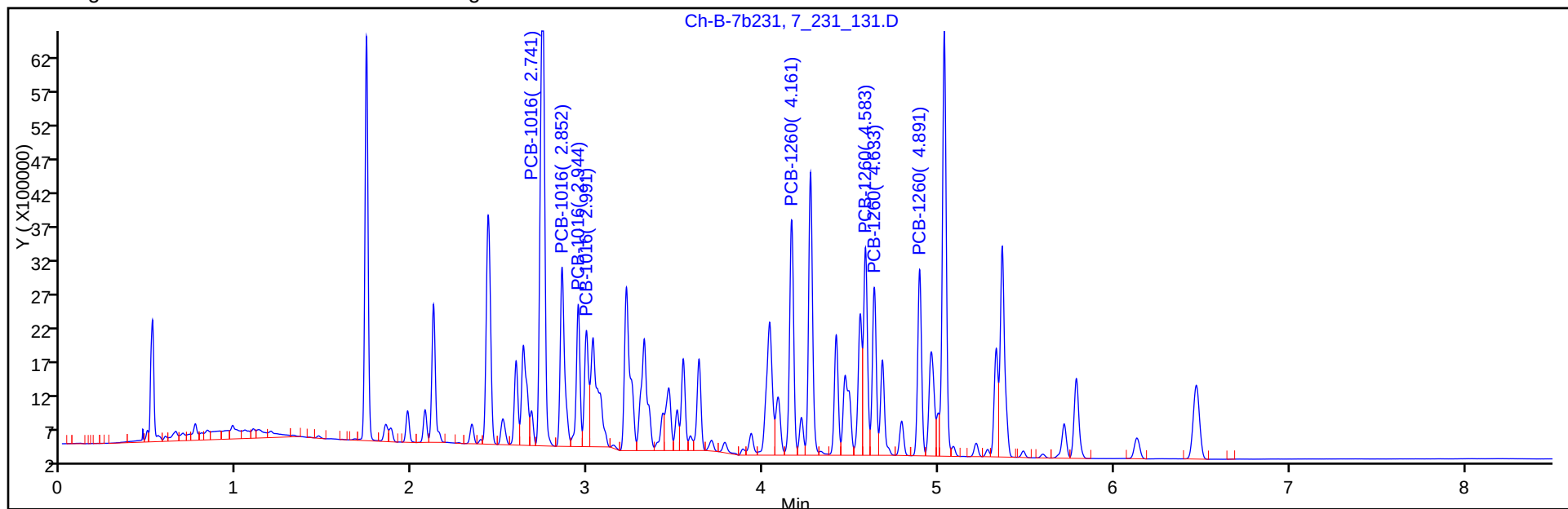
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-74514/2-A
Matrix: Water Lab File ID: 7_232_046.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3510C Date Extracted: 07/31/2012 08:20
Sample wt/vol: 1000 (mL) Date Analyzed: 08/01/2012 07:13
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.33		0.50	0.18
11096-82-5	PCB-1260	4.25		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	84		19-120
877-09-8	Tetrachloro-m-xylene	94		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_046.D
 Lims ID: LCS 480-74514/2-A Client ID:
 Inject. Date: 01-Aug-2012 07:13:12 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 5
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 07:53:09 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 07:53:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.163	0.001	2053412	0.0188			
2	2	1.738	1.737	0.001	8148954	0.0198			

RPD = 5.22

6 PCB-1016

1	1	2.745	2.744	0.001	1772245	0.4322		100.0	
1	2	2.898	2.898	0.000	1069854	0.4458	22.8- 82.8	60.4	
1	3	3.102	3.099	0.003	3655311	0.4362	152.2- 212.2	206.3	
1	4	3.186	3.184	0.002	1355998	0.4175		100.0	
Average of Peak Amounts =						0.4329			
2	5	2.740	2.740	0.000	13284237	0.4221		100.0	
2	6	2.853	2.851	0.001	5014802	0.4384	5.5- 65.5	37.8	
2	7	2.944	2.943	0.001	3425143	0.4601	0.0- 49.9	25.8	
2	8	2.991	2.989	0.002	2969116	0.4453	0.0- 48.7	22.4	
Average of Peak Amounts =						0.4415			

RPD = 1.96

9 PCB-1260

1	1	5.090	5.089	0.001	1392292	0.4338		100.0	
1	2	5.282	5.281	0.001	1170600	0.4286	52.3- 112.3	84.1	
1	3	5.484	5.483	0.001	3050018	0.4193	192.4- 252.4	219.1	
1	4	5.747	5.747	0.000	1340629	0.4200		100.0	
Average of Peak Amounts =						0.4254			
2	5	4.163	4.161	0.001	5827264	0.4317		100.0	
2	6	4.583	4.582	0.001	5214487	0.4348	54.7- 114.7	89.5	
2	7	4.633	4.632	0.001	4257295	0.4231	40.7- 100.7	73.1	
2	8	4.892	4.889	0.003	4395124	0.4312	37.7- 97.7	75.4	
Average of Peak Amounts =						0.4302			

RPD = 1.11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.253	0.000	947498	0.0167			
---	---	-------	-------	-------	--------	--------	--	--	--

2	2	6.470	6.468	0.002	2898929	0.0178			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 5.95

Report Date: 01-Aug-2012 07:53:16

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_046.D

Injection Date: 01-Aug-2012 07:13:12

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

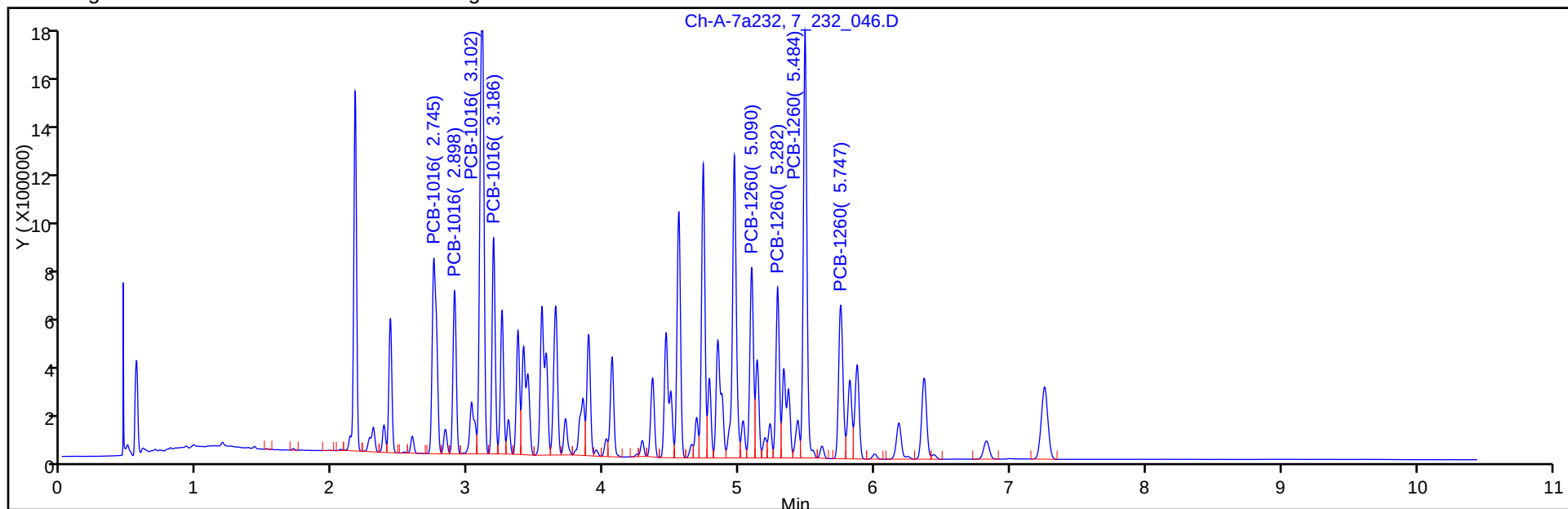
Lims Batch ID: 74672

Lims Sample ID: 5

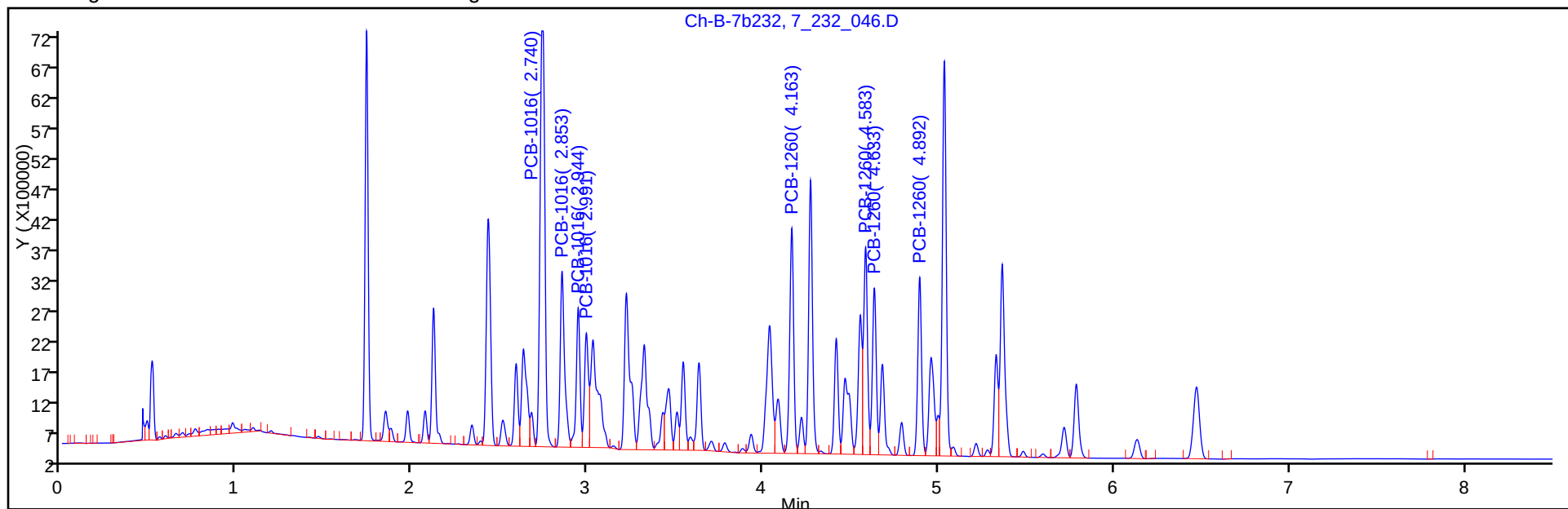
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 480-74514/2-A
Matrix: Water Lab File ID: 7_232_046.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3510C Date Extracted: 07/31/2012 08:20
Sample wt/vol: 1000 (mL) Date Analyzed: 08/01/2012 07:13
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		19-120
877-09-8	Tetrachloro-m-xylene	99		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_046.D
 Lims ID: LCS 480-74514/2-A Client ID:
 Inject. Date: 01-Aug-2012 07:13:12 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 5
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 07:53:09 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 07:53:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.163	0.001	2053412	0.0188			
2	2	1.738	1.737	0.001	8148954	0.0198			

RPD = 5.22

6 PCB-1016

1	1	2.745	2.744	0.001	1772245	0.4322		100.0	
1	2	2.898	2.898	0.000	1069854	0.4458	22.8- 82.8	60.4	
1	3	3.102	3.099	0.003	3655311	0.4362	152.2- 212.2	206.3	
1	4	3.186	3.184	0.002	1355998	0.4175		100.0	
		Average of Peak Amounts =				0.4329			
2	5	2.740	2.740	0.000	13284237	0.4221		100.0	
2	6	2.853	2.851	0.001	5014802	0.4384	5.5- 65.5	37.8	
2	7	2.944	2.943	0.001	3425143	0.4601	0.0- 49.9	25.8	
2	8	2.991	2.989	0.002	2969116	0.4453	0.0- 48.7	22.4	
		Average of Peak Amounts =				0.4415			

RPD = 1.96

9 PCB-1260

1	1	5.090	5.089	0.001	1392292	0.4338		100.0	
1	2	5.282	5.281	0.001	1170600	0.4286	52.3- 112.3	84.1	
1	3	5.484	5.483	0.001	3050018	0.4193	192.4- 252.4	219.1	
1	4	5.747	5.747	0.000	1340629	0.4200		100.0	
		Average of Peak Amounts =				0.4254			
2	5	4.163	4.161	0.001	5827264	0.4317		100.0	
2	6	4.583	4.582	0.001	5214487	0.4348	54.7- 114.7	89.5	
2	7	4.633	4.632	0.001	4257295	0.4231	40.7- 100.7	73.1	
2	8	4.892	4.889	0.003	4395124	0.4312	37.7- 97.7	75.4	
		Average of Peak Amounts =				0.4302			

RPD = 1.11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.252	7.253	0.000	947498	0.0167			
---	---	-------	-------	-------	--------	--------	--	--	--

2	2	6.470	6.468	0.002	2898929	0.0178			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 5.95

Report Date: 01-Aug-2012 07:53:17

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_046.D

Injection Date: 01-Aug-2012 07:13:12

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

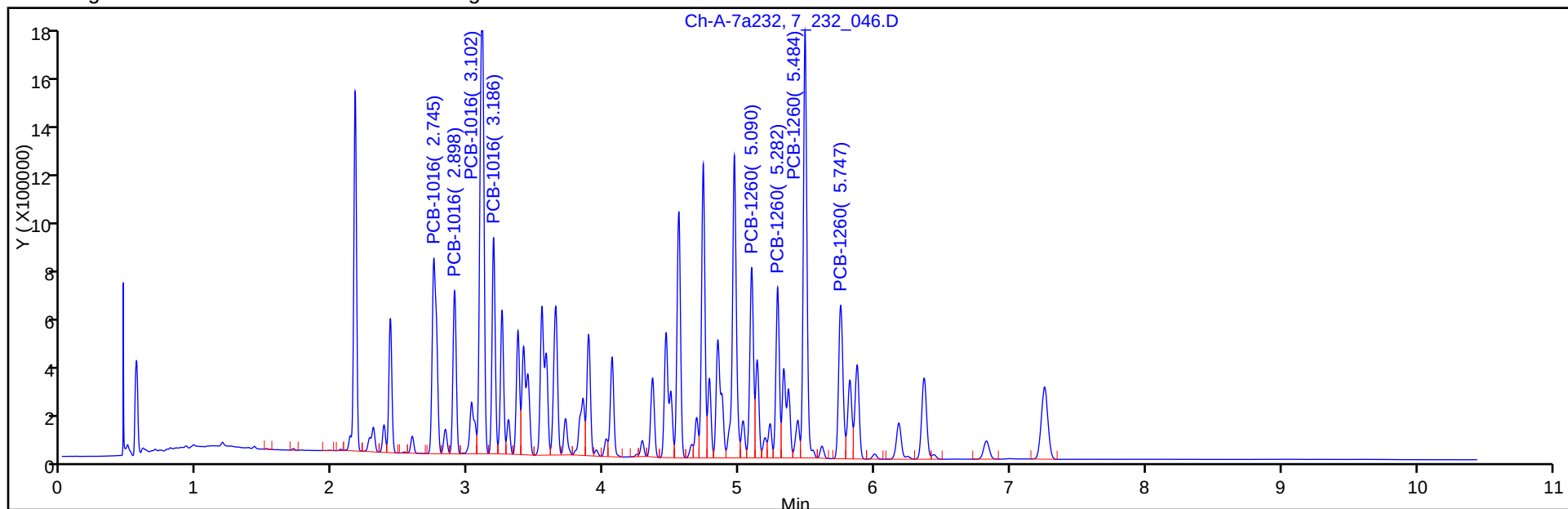
Lims Batch ID: 74672

Lims Sample ID: 5

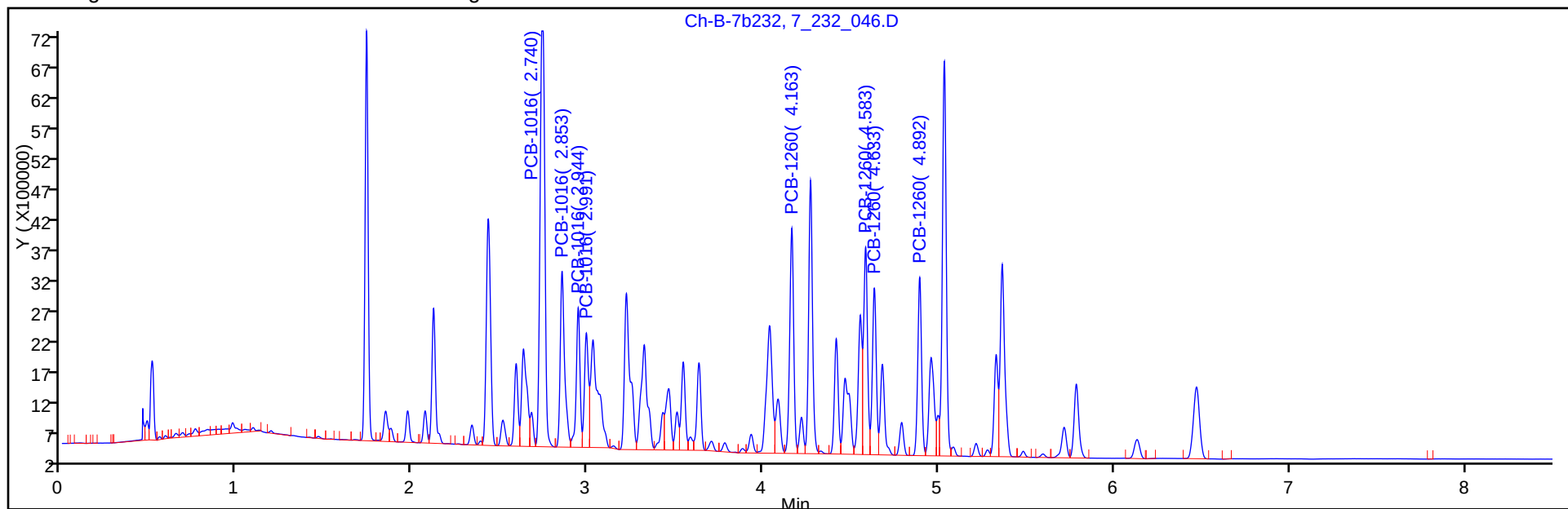
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 480-74514/4-A
Matrix: Water Lab File ID: 7_232_047.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3510C Date Extracted: 07/31/2012 08:20
Sample wt/vol: 1000 (mL) Date Analyzed: 08/01/2012 07:29
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	4.36		0.50	0.18
11096-82-5	PCB-1260	4.28		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	84		19-120
877-09-8	Tetrachloro-m-xylene	95		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_047.D
 Lims ID: LCSD 480-74514/4-A Client ID:
 Inject. Date: 01-Aug-2012 07:29:00 Dil. Factor: 1.0000
 Sample Type: LCSD
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 6
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 11:36:09 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 11:36:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.164	-0.001	2069446	0.0189			
2	2	1.737	1.738	-0.001	8182554	0.0199			

RPD = 4.85

6 PCB-1016

1	1	2.745	2.744	0.001	1777446	0.4334		100.0	
1	2	2.897	2.898	-0.001	1075814	0.4483	22.8- 82.8	60.5	
1	3	3.100	3.100	0.000	3698144	0.4413	152.2- 212.2	208.1	
1	4	3.185	3.185	0.000	1371745	0.4223		100.0	
Average of Peak Amounts =						0.4363			
2	5	2.741	2.742	-0.001	13274425	0.4218		100.0	
2	6	2.851	2.853	-0.001	5016585	0.4385	5.5- 65.5	37.8	
2	7	2.943	2.944	-0.001	3391578	0.4556	0.0- 49.9	25.5	
2	8	2.990	2.991	-0.001	2944701	0.4417	0.0- 48.7	22.2	
Average of Peak Amounts =						0.4394			

RPD = 0.70

9 PCB-1260

1	1	5.089	5.089	0.000	1394621	0.4346		100.0	
1	2	5.282	5.279	0.003	1174242	0.4299	52.3- 112.3	84.2	
1	3	5.483	5.483	0.001	3064388	0.4213	192.4- 252.4	219.7	
1	4	5.746	5.747	-0.001	1355171	0.4245		100.0	
Average of Peak Amounts =						0.4276			
2	5	4.161	4.162	-0.001	5811667	0.4305		100.0	
2	6	4.583	4.582	0.000	5262856	0.4388	54.7- 114.7	90.6	
2	7	4.633	4.633	0.000	4245073	0.4219	40.7- 100.7	73.0	
2	8	4.892	4.891	0.001	4443146	0.4359	37.7- 97.7	76.5	
Average of Peak Amounts =						0.4318			

RPD = 0.98

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.249	7.248	0.001	951263	0.0168			
---	---	-------	-------	-------	--------	--------	--	--	--

2	2	6.470	6.468	0.002	2902467	0.0178			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 5.68

Report Date: 01-Aug-2012 11:36:10

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_047.D

Injection Date: 01-Aug-2012 07:29:00

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

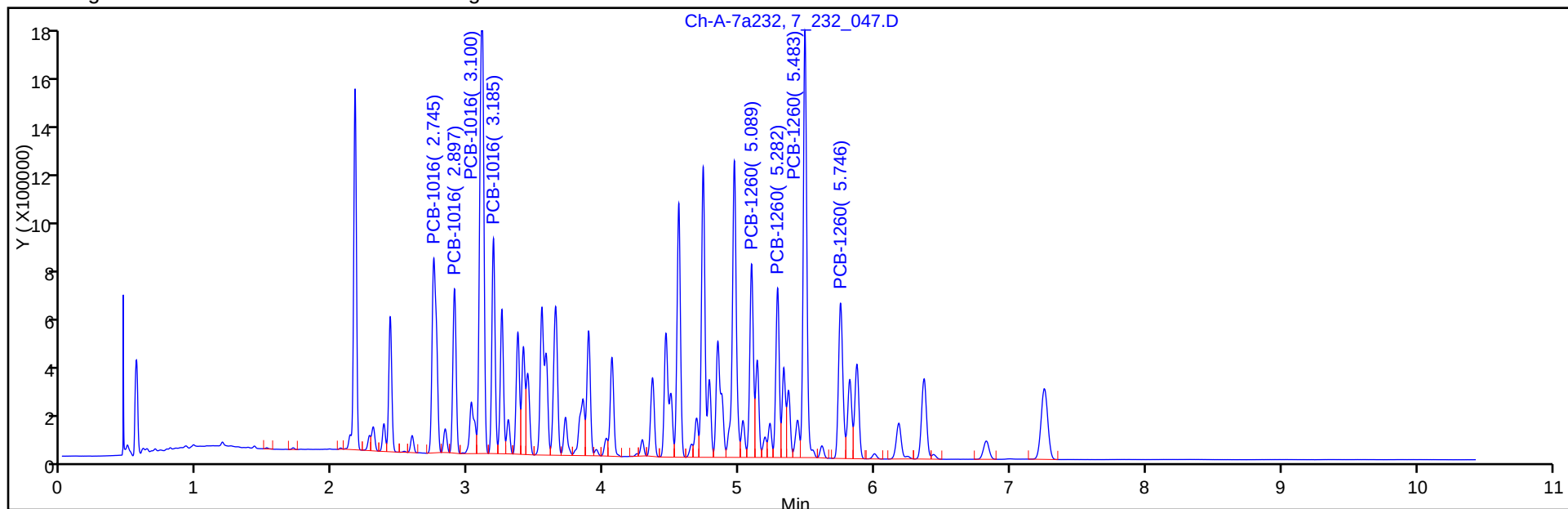
Lims Batch ID: 74672

Lims Sample ID: 6

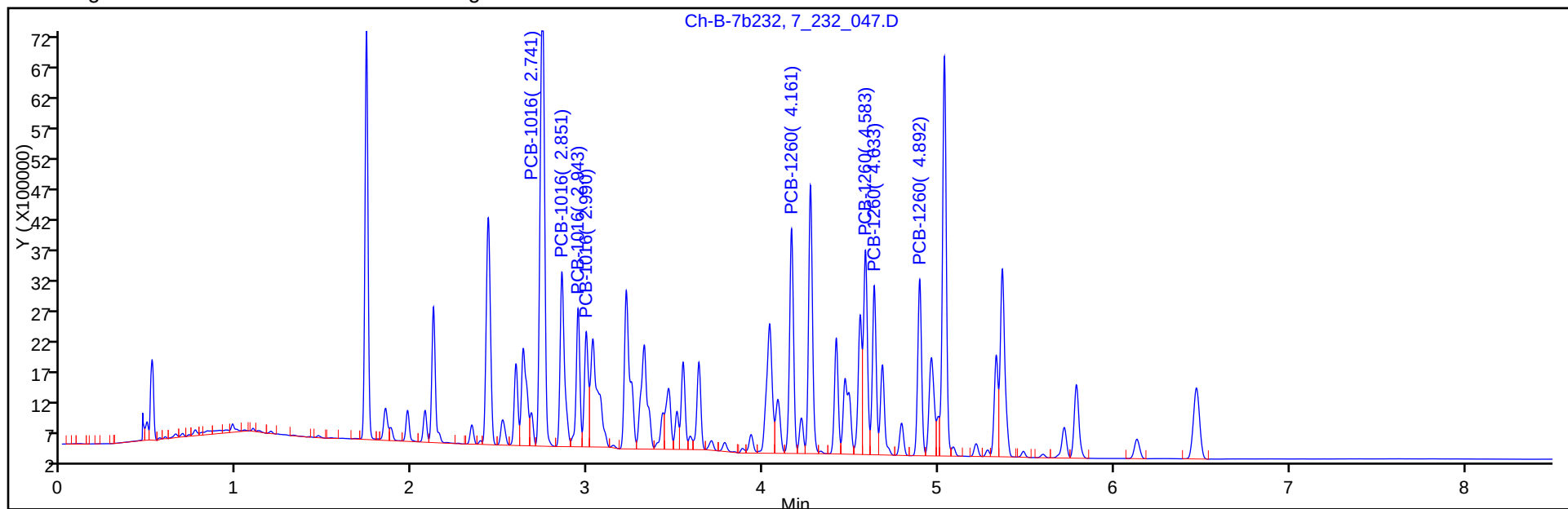
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 480-74514/4-A
Matrix: Water Lab File ID: 7_232_047.D
Analysis Method: 8082 Date Collected: _____
Extraction Method: 3510C Date Extracted: 07/31/2012 08:20
Sample wt/vol: 1000 (mL) Date Analyzed: 08/01/2012 07:29
Con. Extract Vol.: 10 (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.: 74672 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		19-120
877-09-8	Tetrachloro-m-xylene	99		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_047.D
 Lims ID: LCSD 480-74514/4-A Client ID:
 Inject. Date: 01-Aug-2012 07:29:00 Dil. Factor: 1.0000
 Sample Type: LCSD
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74672 Lims Sample ID: 6
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\HP7-PCBS.m
 Last Update: 01-Aug-2012 11:36:09 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: XAWRK020

First Level Reviewer: michalej

Date: 01-Aug-2012 11:36:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.164	-0.001	2069446	0.0189			
2	2	1.737	1.738	-0.001	8182554	0.0199			

RPD = 4.85

6 PCB-1016

1	1	2.745	2.744	0.001	1777446	0.4334		100.0	
1	2	2.897	2.898	-0.001	1075814	0.4483	22.8- 82.8	60.5	
1	3	3.100	3.100	0.000	3698144	0.4413	152.2- 212.2	208.1	
1	4	3.185	3.185	0.000	1371745	0.4223		100.0	
Average of Peak Amounts =						0.4363			
2	5	2.741	2.742	-0.001	13274425	0.4218		100.0	
2	6	2.851	2.853	-0.001	5016585	0.4385	5.5- 65.5	37.8	
2	7	2.943	2.944	-0.001	3391578	0.4556	0.0- 49.9	25.5	
2	8	2.990	2.991	-0.001	2944701	0.4417	0.0- 48.7	22.2	
Average of Peak Amounts =						0.4394			

RPD = 0.70

9 PCB-1260

1	1	5.089	5.089	0.000	1394621	0.4346		100.0	
1	2	5.282	5.279	0.003	1174242	0.4299	52.3- 112.3	84.2	
1	3	5.483	5.483	0.001	3064388	0.4213	192.4- 252.4	219.7	
1	4	5.746	5.747	-0.001	1355171	0.4245		100.0	
Average of Peak Amounts =						0.4276			
2	5	4.161	4.162	-0.001	5811667	0.4305		100.0	
2	6	4.583	4.582	0.000	5262856	0.4388	54.7- 114.7	90.6	
2	7	4.633	4.633	0.000	4245073	0.4219	40.7- 100.7	73.0	
2	8	4.892	4.891	0.001	4443146	0.4359	37.7- 97.7	76.5	
Average of Peak Amounts =						0.4318			

RPD = 0.98

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.249	7.248	0.001	951263	0.0168			
---	---	-------	-------	-------	--------	--------	--	--	--

2	2	6.470	6.468	0.002	2902467	0.0178			
---	---	-------	-------	-------	---------	--------	--	--	--

RPD = 5.68

Report Date: 01-Aug-2012 11:36:10

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120801-13751.b\7_232_047.D

Injection Date: 01-Aug-2012 07:29:00

Limit Group: GC - 8082 PCB ICAL

Client ID:

Instrument ID: HP6890-7

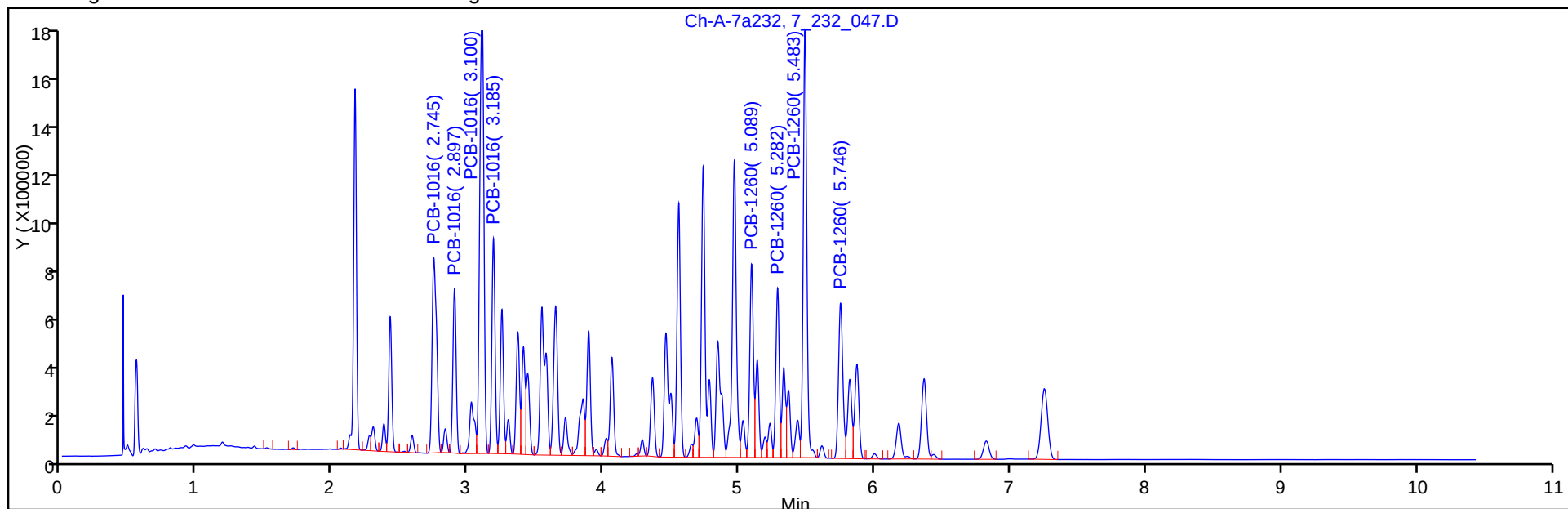
Lims Batch ID: 74672

Lims Sample ID: 6

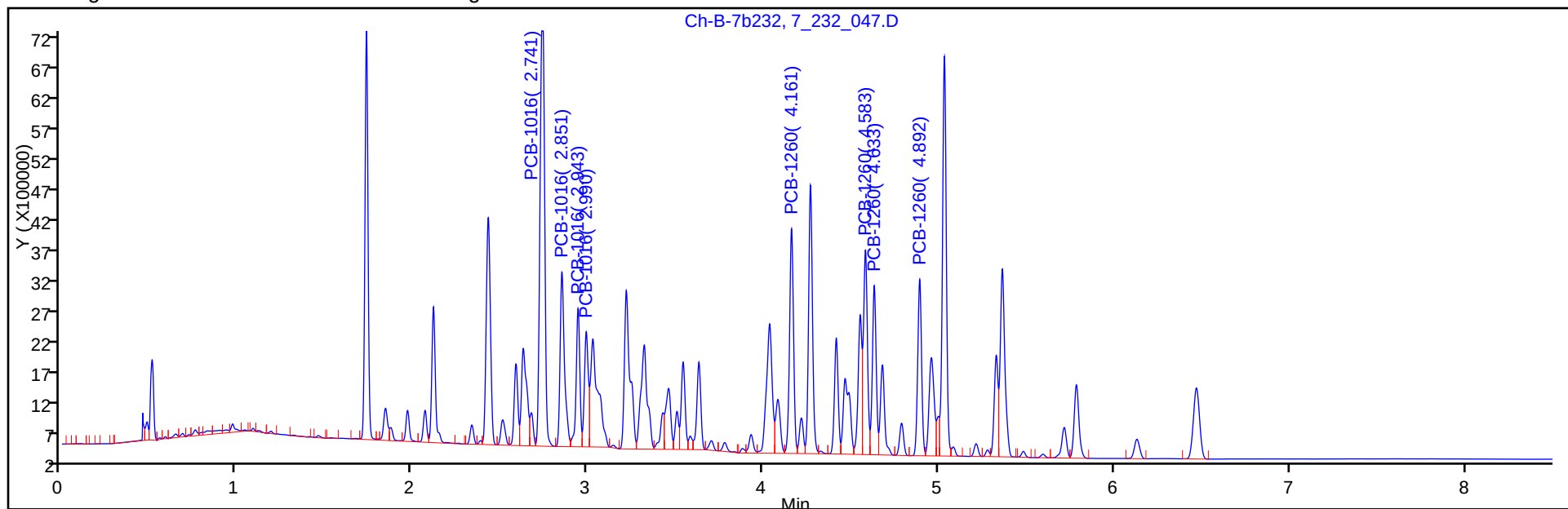
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
 SDG No.: _____
 Client Sample ID: MW-4D MS Lab Sample ID: 480-23098-5 MS
 Matrix: Water Lab File ID: 7_231_147.D
 Analysis Method: 8082 Date Collected: 07/25/2012 14:40
 Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
 Sample wt/vol: 1050 (mL) Date Analyzed: 07/30/2012 00:20
 Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.91		0.48	0.17
11104-28-2	PCB-1221	0.48	U	0.48	0.17
11141-16-5	PCB-1232	0.48	U	0.48	0.17
53469-21-9	PCB-1242	0.48	U	0.48	0.17
12672-29-6	PCB-1248	0.48	U	0.48	0.17
11097-69-1	PCB-1254	0.48	U	0.48	0.24
11096-82-5	PCB-1260	4.17		0.48	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		19-120
877-09-8	Tetrachloro-m-xylene	85		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_147.D
 Lims ID: 480-23098-B-5-A MS Client ID: MW-4D
 Inject. Date: 30-Jul-2012 00:20:40 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 58
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:10 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1858275	0.0170			
2	2	1.736	1.738	-0.002	7182658	0.0174			

RPD = 2.58

6 PCB-1016

1	1	2.744	2.746	-0.002	1672148	0.4078		100.0	
1	2	2.897	2.898	-0.001	1012096	0.4217	22.8- 82.8	60.5	
1	3	3.100	3.102	-0.002	3473462	0.4145	152.2- 212.2	207.7	
1	4	3.185	3.186	-0.001	1296440	0.3991		100.0	
Average of Peak Amounts =						0.4108			
2	5	2.741	2.743	-0.001	12334894	0.3920		100.0	
2	6	2.851	2.853	-0.001	4719243	0.4125	5.5- 65.5	38.3	
2	7	2.943	2.945	-0.002	3193322	0.4290	0.0- 49.9	25.9	
2	8	2.990	2.992	-0.002	2840344	0.4260	0.0- 48.7	23.0	
Average of Peak Amounts =						0.4149			

RPD = 0.99

9 PCB-1260

1	1	5.089	5.091	-0.002	1398272	0.4357		100.0	
1	2	5.280	5.282	-0.002	1204899	0.4412	52.3- 112.3	86.2	
1	3	5.483	5.483	-0.001	3153941	0.4336	192.4- 252.4	225.6	
1	4	5.745	5.747	-0.002	1403593	0.4397		100.0	
Average of Peak Amounts =						0.4375			
2	5	4.160	4.163	-0.003	5736916	0.4250		100.0	
2	6	4.582	4.583	-0.001	5068286	0.4226	54.7- 114.7	88.3	
2	7	4.633	4.634	-0.002	4181904	0.4156	40.7- 100.7	72.9	
2	8	4.890	4.893	-0.002	4326726	0.4245	37.7- 97.7	75.4	
Average of Peak Amounts =						0.4219			

RPD = 3.63

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.247	7.253	-0.005	986308	0.0174			
---	---	-------	-------	--------	--------	--------	--	--	--

2	2	6.467	6.470	-0.003	2978601	0.0183			
---	---	-------	-------	--------	---------	--------	--	--	--

RPD = 4.65

Report Date: 30-Jul-2012 06:08:11

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_147.D

Injection Date: 30-Jul-2012 00:20:40

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-4D

Instrument ID: HP6890-7

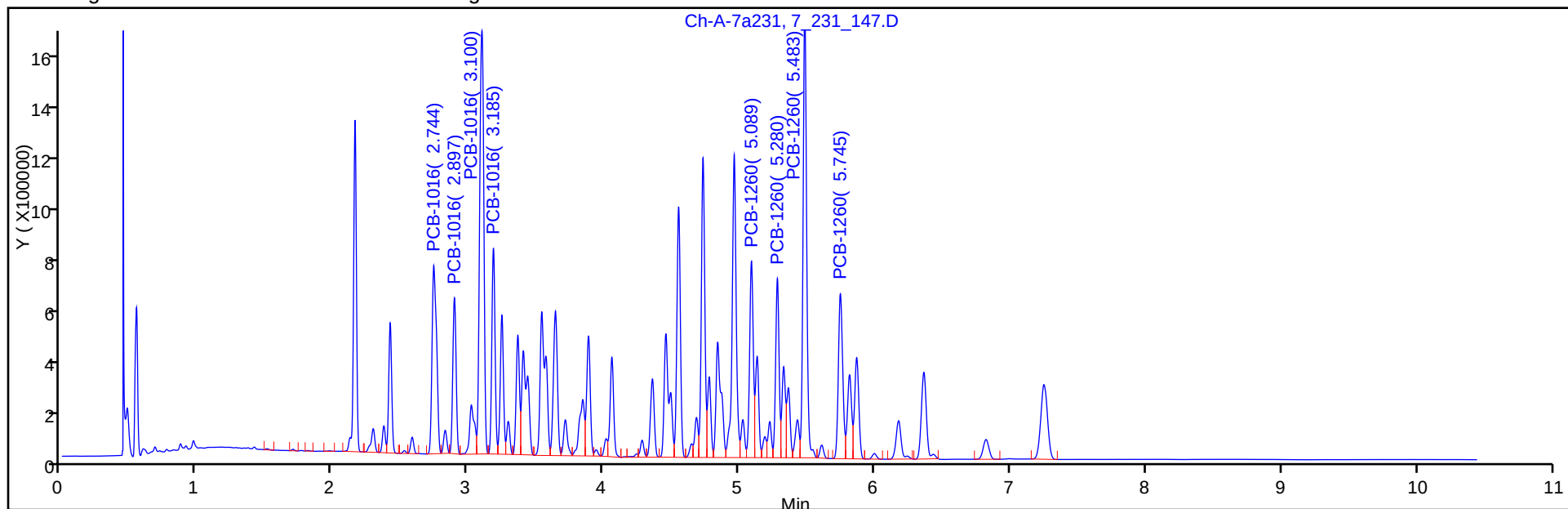
Lims Batch ID: 74328

Lims Sample ID: 58

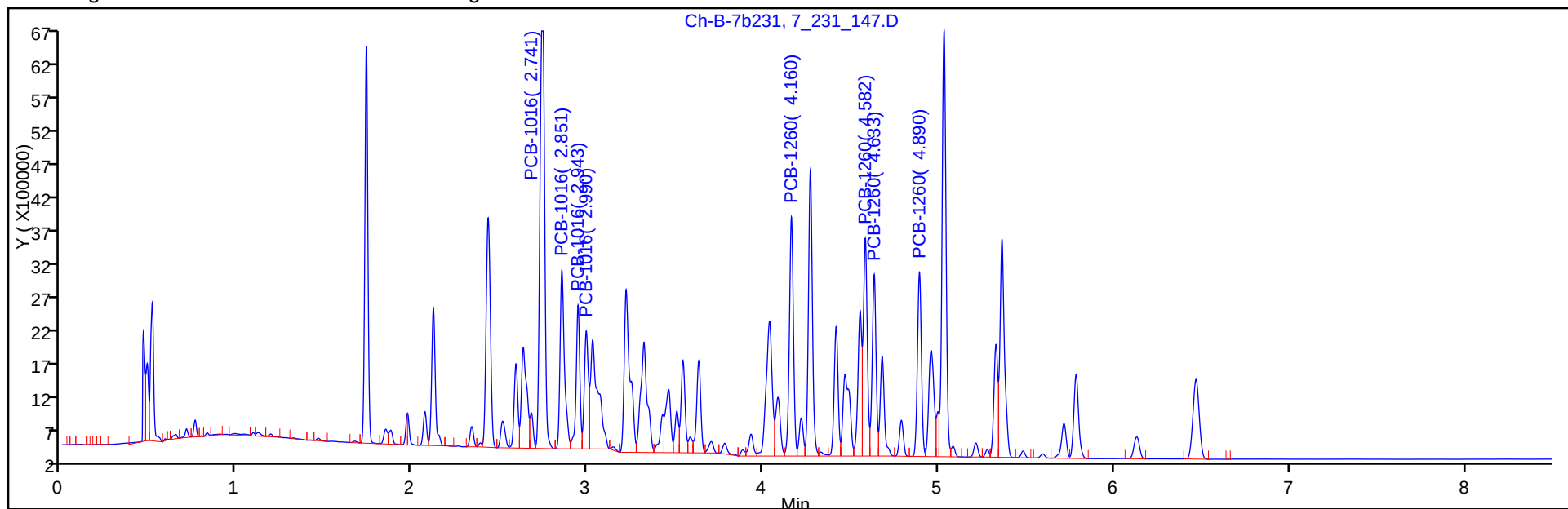
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-4D MS Lab Sample ID: 480-23098-5 MS
Matrix: Water Lab File ID: 7_231_147.D
Analysis Method: 8082 Date Collected: 07/25/2012 14:40
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1050 (mL) Date Analyzed: 07/30/2012 00:20
Con. Extract Vol.: 10 (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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91		19-120
877-09-8	Tetrachloro-m-xylene	87		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_147.D
 Lims ID: 480-23098-B-5-A MS Client ID: MW-4D
 Inject. Date: 30-Jul-2012 00:20:40 Dil. Factor: 1.0000
 Sample Type: MS
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 58
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:10 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.163	2.165	-0.002	1858275	0.0170			
2	2	1.736	1.738	-0.002	7182658	0.0174			

RPD = 2.58

6 PCB-1016

1	1	2.744	2.746	-0.002	1672148	0.4078		100.0	
1	2	2.897	2.898	-0.001	1012096	0.4217	22.8- 82.8	60.5	
1	3	3.100	3.102	-0.002	3473462	0.4145	152.2- 212.2	207.7	
1	4	3.185	3.186	-0.001	1296440	0.3991		100.0	
Average of Peak Amounts =						0.4108			
2	5	2.741	2.743	-0.001	12334894	0.3920		100.0	
2	6	2.851	2.853	-0.001	4719243	0.4125	5.5- 65.5	38.3	
2	7	2.943	2.945	-0.002	3193322	0.4290	0.0- 49.9	25.9	
2	8	2.990	2.992	-0.002	2840344	0.4260	0.0- 48.7	23.0	
Average of Peak Amounts =						0.4149			

RPD = 0.99

9 PCB-1260

1	1	5.089	5.091	-0.002	1398272	0.4357		100.0	
1	2	5.280	5.282	-0.002	1204899	0.4412	52.3- 112.3	86.2	
1	3	5.483	5.483	-0.001	3153941	0.4336	192.4- 252.4	225.6	
1	4	5.745	5.747	-0.002	1403593	0.4397		100.0	
Average of Peak Amounts =						0.4375			
2	5	4.160	4.163	-0.003	5736916	0.4250		100.0	
2	6	4.582	4.583	-0.001	5068286	0.4226	54.7- 114.7	88.3	
2	7	4.633	4.634	-0.002	4181904	0.4156	40.7- 100.7	72.9	
2	8	4.890	4.893	-0.002	4326726	0.4245	37.7- 97.7	75.4	
Average of Peak Amounts =						0.4219			

RPD = 3.63

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_147.D

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.247	7.253	-0.005	986308	0.0174			
---	---	-------	-------	--------	--------	--------	--	--	--

2	2	6.467	6.470	-0.003	2978601	0.0183			
---	---	-------	-------	--------	---------	--------	--	--	--

RPD = 4.65

Report Date: 30-Jul-2012 06:08:11

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_147.D

Injection Date: 30-Jul-2012 00:20:40

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-4D

Instrument ID: HP6890-7

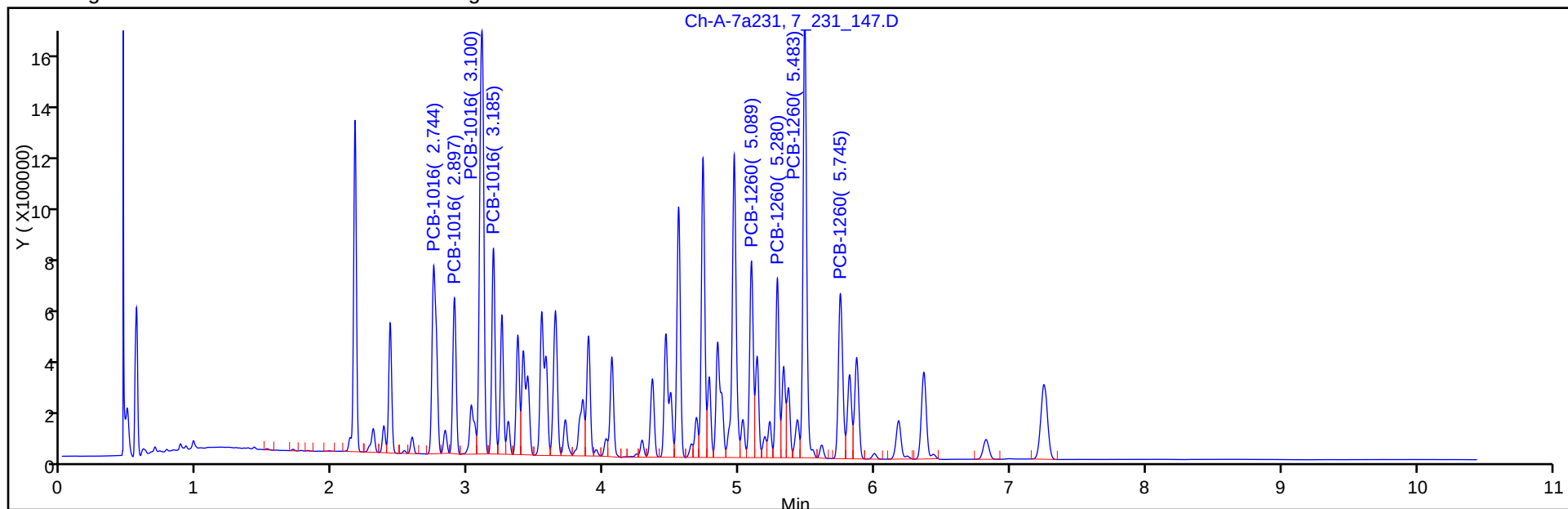
Lims Batch ID: 74328

Lims Sample ID: 58

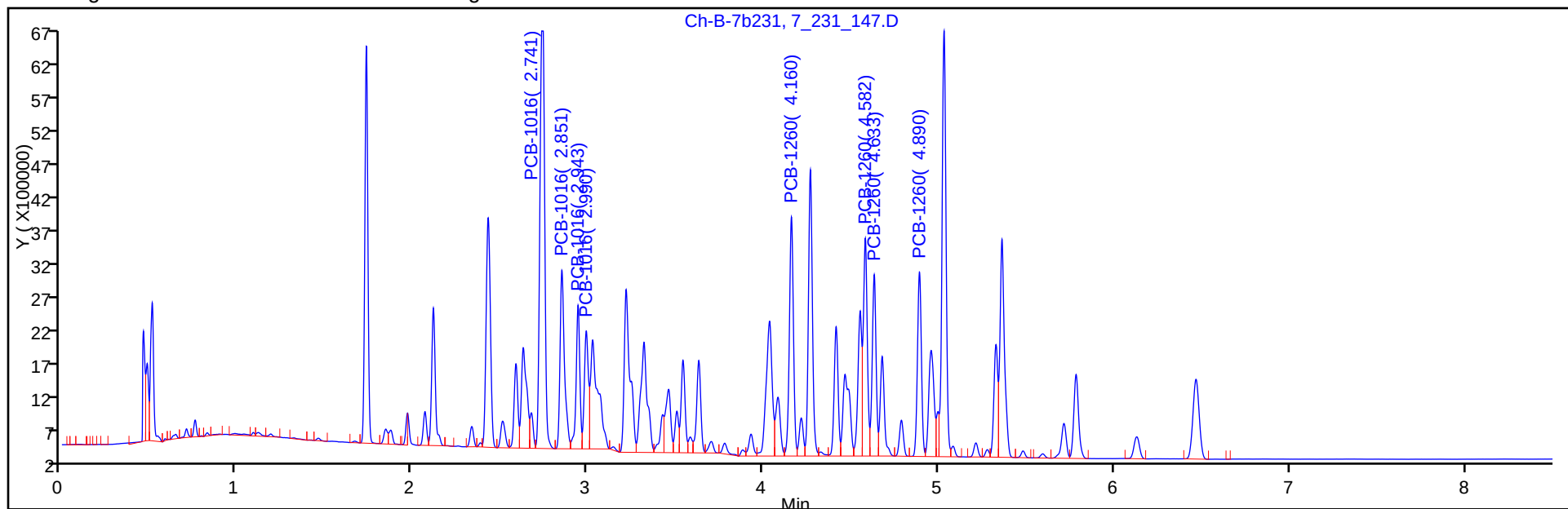
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1

SDG No.: _____

Client Sample ID: MW-4D MSD Lab Sample ID: 480-23098-5 MSD

Matrix: Water Lab File ID: 7_231_148.D

Analysis Method: 8082 Date Collected: 07/25/2012 14:40

Extraction Method: 3510C Date Extracted: 07/27/2012 06:56

Sample wt/vol: 1055(mL) Date Analyzed: 07/30/2012 00:36

Con. Extract Vol.: 10(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.: 74328 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.90		0.47	0.17
11104-28-2	PCB-1221	0.47	U	0.47	0.17
11141-16-5	PCB-1232	0.47	U	0.47	0.17
53469-21-9	PCB-1242	0.47	U	0.47	0.17
12672-29-6	PCB-1248	0.47	U	0.47	0.17
11097-69-1	PCB-1254	0.47	U	0.47	0.24
11096-82-5	PCB-1260	4.19		0.47	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		19-120
877-09-8	Tetrachloro-m-xylene	84		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_148.D
 Lims ID: 480-23098-B-5-B MSD Client ID: MW-4D
 Inject. Date: 30-Jul-2012 00:36:26 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 59
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:23 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1838132	0.0168			
2	2	1.738	1.738	0.000	6972711	0.0169			

RPD = 0.70

6 PCB-1016

1	1	2.744	2.746	-0.002	1659464	0.4047		100.0	
1	2	2.898	2.898	0.000	1015735	0.4233	22.8- 82.8	61.2	
1	3	3.099	3.102	-0.003	3492085	0.4167	152.2- 212.2	210.4	
1	4	3.186	3.186	0.000	1301895	0.4008		100.0	
Average of Peak Amounts =						0.4114			
2	5	2.742	2.743	0.000	12318358	0.3914		100.0	
2	6	2.853	2.853	0.000	4652685	0.4067	5.5- 65.5	37.8	
2	7	2.945	2.945	0.000	3171547	0.4261	0.0- 49.9	25.7	
2	8	2.992	2.992	0.000	2845652	0.4268	0.0- 48.7	23.1	
Average of Peak Amounts =						0.4128			

RPD = 0.34

9 PCB-1260

1	1	5.089	5.091	-0.002	1423776	0.4436		100.0	
1	2	5.280	5.282	-0.002	1216004	0.4452	52.3- 112.3	85.4	
1	3	5.483	5.483	0.000	3176906	0.4368	192.4- 252.4	223.1	
1	4	5.745	5.747	-0.002	1412406	0.4424		100.0	
Average of Peak Amounts =						0.4420			
2	5	4.162	4.163	-0.001	5780841	0.4282		100.0	
2	6	4.583	4.583	-0.001	4918596	0.4101	54.7- 114.7	85.1	
2	7	4.633	4.634	-0.002	3975974	0.3952	40.7- 100.7	68.8	
2	8	4.891	4.893	-0.001	4358422	0.4276	37.7- 97.7	75.4	
Average of Peak Amounts =						0.4153			

RPD = 6.24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.250	7.253	-0.002	991904	0.0175			
---	---	-------	-------	--------	--------	--------	--	--	--

2	2	6.468	6.470	-0.002	2971507	0.0182			
---	---	-------	-------	--------	---------	--------	--	--	--

RPD = 3.84

Report Date: 30-Jul-2012 06:08:23

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_148.D

Injection Date: 30-Jul-2012 00:36:26

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-4D

Instrument ID: HP6890-7

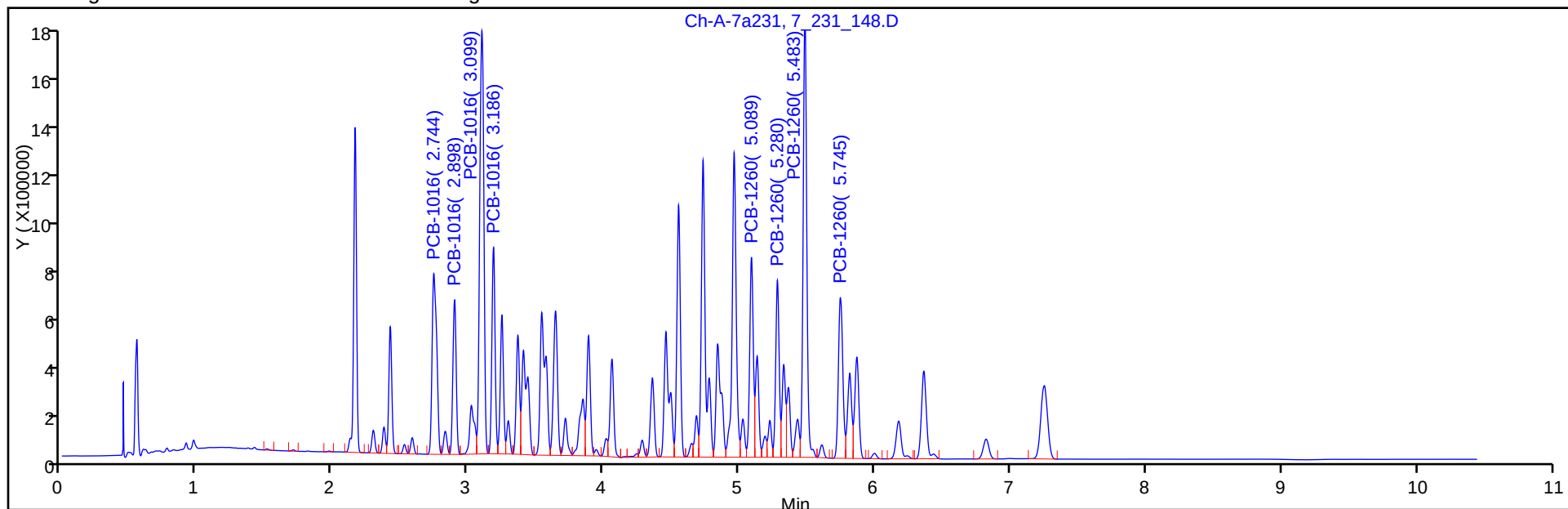
Lims Batch ID: 74328

Lims Sample ID: 59

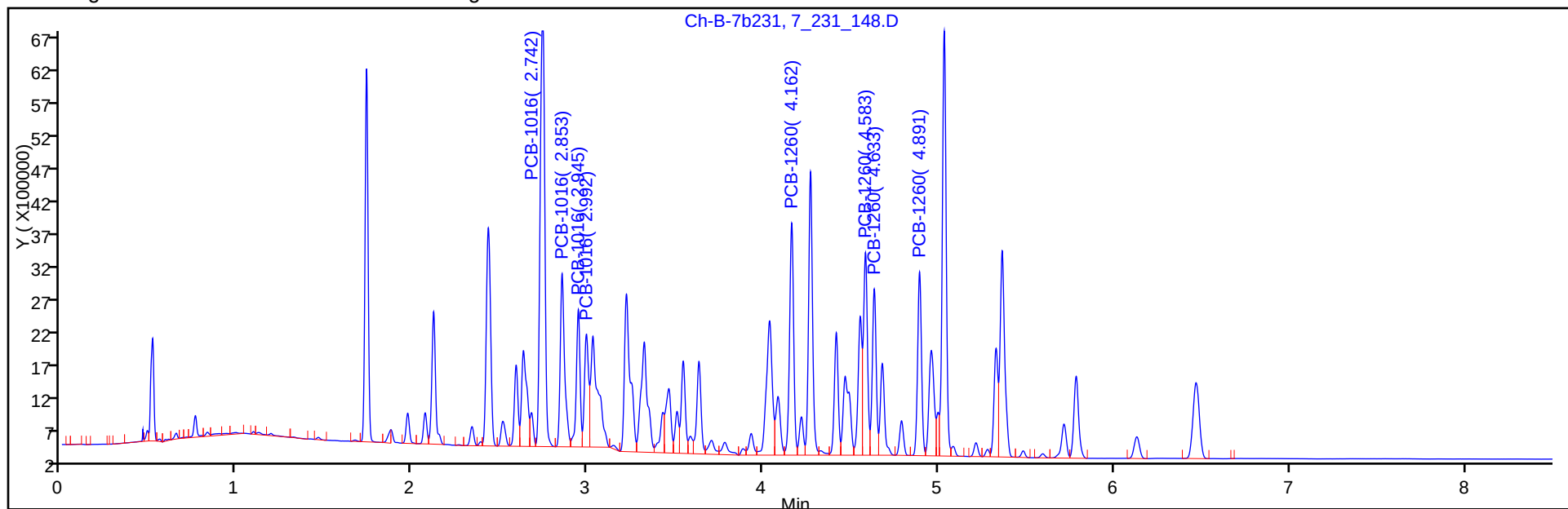
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1
SDG No.: _____
Client Sample ID: MW-4D MSD Lab Sample ID: 480-23098-5 MSD
Matrix: Water Lab File ID: 7_231_148.D
Analysis Method: 8082 Date Collected: 07/25/2012 14:40
Extraction Method: 3510C Date Extracted: 07/27/2012 06:56
Sample wt/vol: 1055(mL) Date Analyzed: 07/30/2012 00:36
Con. Extract Vol.: 10(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.: 74328 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91		19-120
877-09-8	Tetrachloro-m-xylene	85		23-127

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_148.D
 Lims ID: 480-23098-B-5-B MSD Client ID: MW-4D
 Inject. Date: 30-Jul-2012 00:36:26 Dil. Factor: 1.0000
 Sample Type: MSD
 Sample ID:
 Misc. Info.:
 Operator: tchrom Instrument ID: HP6890-7
 Vol. Injected: 1.0000 ALS Bottle#: 0
 Lims Batch ID: 74328 Lims Sample ID: 59
 Detector 1 : Ch-A-7A136
 Detector 2 : Ch-B-7b136
 Method: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\HP7-PCBS.m
 Last Update: 30-Jul-2012 06:08:23 Calib Date: 26-Jul-2012 16:58:38
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP6890-07\20120726-13648.b\7_231_088.D
 Limit Group: GC - 8082 PCB ICAL
 Integrator: Falcon
 Process Host: CORP-CTX-16

First Level Reviewer: michalej

Date: 30-Jul-2012 06:08:23

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	--------	--------	----------	------------------	-------------	-------	-------

\$ 3 Tetrachloro-m-xylene

1	1	2.164	2.165	-0.001	1838132	0.0168			
2	2	1.738	1.738	0.000	6972711	0.0169			

RPD = 0.70

6 PCB-1016

1	1	2.744	2.746	-0.002	1659464	0.4047		100.0	
1	2	2.898	2.898	0.000	1015735	0.4233	22.8- 82.8	61.2	
1	3	3.099	3.102	-0.003	3492085	0.4167	152.2- 212.2	210.4	
1	4	3.186	3.186	0.000	1301895	0.4008		100.0	
Average of Peak Amounts =						0.4114			
2	5	2.742	2.743	0.000	12318358	0.3914		100.0	
2	6	2.853	2.853	0.000	4652685	0.4067	5.5- 65.5	37.8	
2	7	2.945	2.945	0.000	3171547	0.4261	0.0- 49.9	25.7	
2	8	2.992	2.992	0.000	2845652	0.4268	0.0- 48.7	23.1	
Average of Peak Amounts =						0.4128			

RPD = 0.34

9 PCB-1260

1	1	5.089	5.091	-0.002	1423776	0.4436		100.0	
1	2	5.280	5.282	-0.002	1216004	0.4452	52.3- 112.3	85.4	
1	3	5.483	5.483	0.000	3176906	0.4368	192.4- 252.4	223.1	
1	4	5.745	5.747	-0.002	1412406	0.4424		100.0	
Average of Peak Amounts =						0.4420			
2	5	4.162	4.163	-0.001	5780841	0.4282		100.0	
2	6	4.583	4.583	-0.001	4918596	0.4101	54.7- 114.7	85.1	
2	7	4.633	4.634	-0.002	3975974	0.3952	40.7- 100.7	68.8	
2	8	4.891	4.893	-0.001	4358422	0.4276	37.7- 97.7	75.4	
Average of Peak Amounts =						0.4153			

RPD = 6.24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
-----	-----	----	-----------	-----------	----------	---------------------	-------------	-------	-------

E 12 DCB Decachlorobiphenyl

1	1	7.250	7.253	-0.002	991904	0.0175			
---	---	-------	-------	--------	--------	--------	--	--	--

2	2	6.468	6.470	-0.002	2971507	0.0182			
---	---	-------	-------	--------	---------	--------	--	--	--

RPD = 3.84

Report Date: 30-Jul-2012 06:08:24

Chrom Revision: 2.0 17-Jul-2012 17:32:54

Data File: \\Bufchrom\ChromData\HP6890-07\20120729-13694.b\7_231_148.D

Injection Date: 30-Jul-2012 00:36:26

Limit Group: GC - 8082 PCB ICAL

Client ID: MW-4D

Instrument ID: HP6890-7

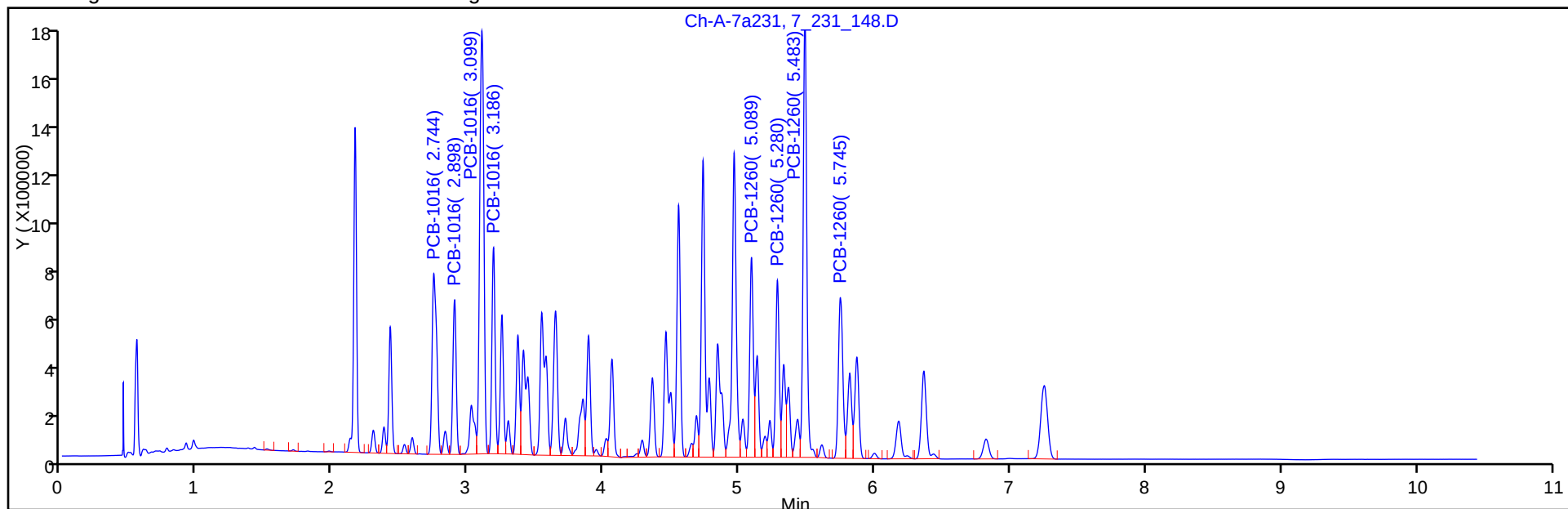
Lims Batch ID: 74328

Lims Sample ID: 59

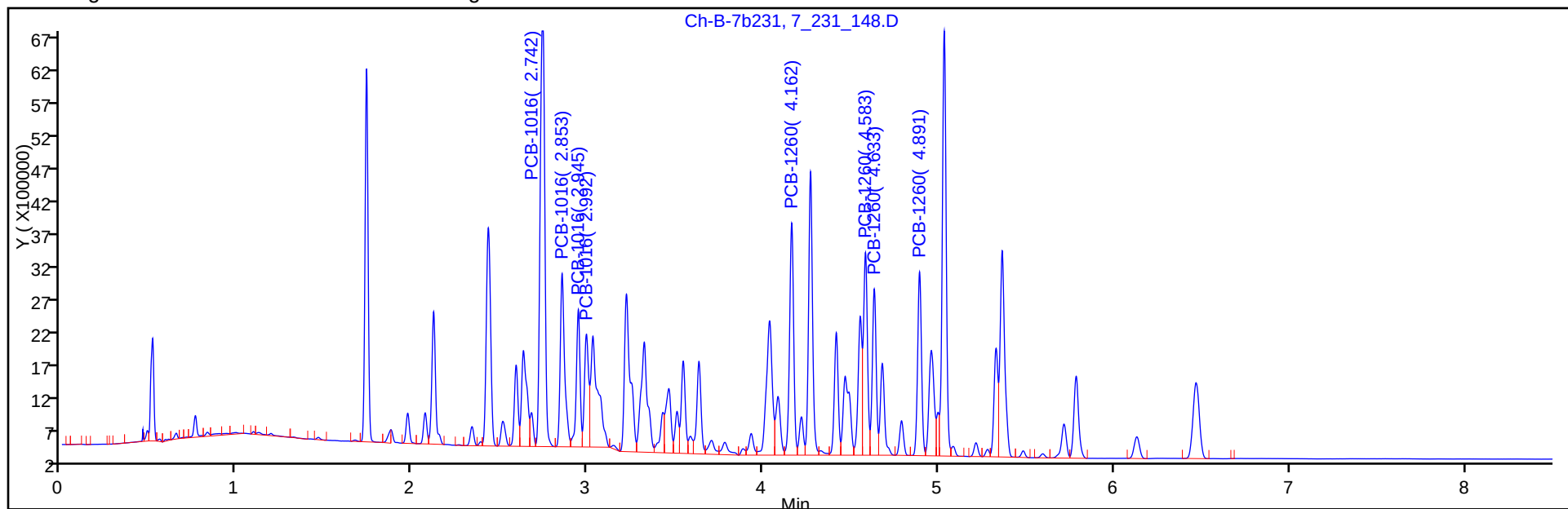
Operator ID: tchrom

Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-23098-1

SDG No.: _____

Instrument ID: HP6890-7Start Date: 07/26/2012 12:11Analysis Batch Number: 74010End Date: 07/26/2012 17:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD0025 480-74010/1 IC		07/26/2012 12:11	1	7_231_070.D	ZB-5 0.53 (mm)
STD0025 480-74010/1 IC		07/26/2012 12:11	1	7_231_070.D	ZB-35 0.53 (mm)
STD25 480-74010/2 IC		07/26/2012 12:27	1	7_231_071.D	ZB-5 0.53 (mm)
STD25 480-74010/2 IC		07/26/2012 12:27	1	7_231_071.D	ZB-35 0.53 (mm)
STD5 480-74010/3 IC		07/26/2012 12:43	1	7_231_072.D	ZB-5 0.53 (mm)
STD5 480-74010/3 IC		07/26/2012 12:43	1	7_231_072.D	ZB-35 0.53 (mm)
STD1 480-74010/4 IC		07/26/2012 12:59	1	7_231_073.D	ZB-5 0.53 (mm)
STD1 480-74010/4 IC		07/26/2012 12:59	1	7_231_073.D	ZB-35 0.53 (mm)
STD2 480-74010/5 IC		07/26/2012 13:15	1	7_231_074.D	ZB-5 0.53 (mm)
STD2 480-74010/5 IC		07/26/2012 13:15	1	7_231_074.D	ZB-35 0.53 (mm)
ICV 480-74010/6		07/26/2012 13:31	1		ZB-5 0.53 (mm)
ICV 480-74010/6		07/26/2012 13:31	1		ZB-35 0.53 (mm)
STD1221 480-74010/7 IC		07/26/2012 13:47	1	7_231_076.D	ZB-5 0.53 (mm)
STD1221 480-74010/7 IC		07/26/2012 13:47	1	7_231_076.D	ZB-35 0.53 (mm)
ICV 480-74010/8		07/26/2012 14:03	1		ZB-5 0.53 (mm)
ICV 480-74010/8		07/26/2012 14:03	1		ZB-35 0.53 (mm)
STD1232 480-74010/9 IC		07/26/2012 14:19	1	7_231_078.D	ZB-5 0.53 (mm)
STD1232 480-74010/9 IC		07/26/2012 14:19	1	7_231_078.D	ZB-35 0.53 (mm)
ICV 480-74010/10		07/26/2012 14:35	1		ZB-5 0.53 (mm)
ICV 480-74010/10		07/26/2012 14:35	1		ZB-35 0.53 (mm)
STD1242 480-74010/11 IC		07/26/2012 14:51	1	7_231_080.D	ZB-5 0.53 (mm)
STD1242 480-74010/11 IC		07/26/2012 14:51	1	7_231_080.D	ZB-35 0.53 (mm)
ICV 480-74010/12		07/26/2012 15:07	1		ZB-5 0.53 (mm)
ICV 480-74010/12		07/26/2012 15:07	1		ZB-35 0.53 (mm)
STD1248 480-74010/13 IC		07/26/2012 15:23	1	7_231_082.D	ZB-5 0.53 (mm)
STD1248 480-74010/13 IC		07/26/2012 15:23	1	7_231_082.D	ZB-35 0.53 (mm)
ICV 480-74010/14		07/26/2012 15:38	1		ZB-5 0.53 (mm)
ICV 480-74010/14		07/26/2012 15:38	1		ZB-35 0.53 (mm)
STD1254 480-74010/15 IC		07/26/2012 15:54	1	7_231_084.D	ZB-5 0.53 (mm)
STD1254 480-74010/15 IC		07/26/2012 15:54	1	7_231_084.D	ZB-35 0.53 (mm)
ICV 480-74010/16		07/26/2012 16:10	1		ZB-5 0.53 (mm)
ICV 480-74010/16		07/26/2012 16:10	1		ZB-35 0.53 (mm)
STD1262 480-74010/17 IC		07/26/2012 16:26	1		ZB-5 0.53 (mm)
STD1262 480-74010/17 IC		07/26/2012 16:26	1		ZB-35 0.53 (mm)
ICV 480-74010/18		07/26/2012 16:42	1		ZB-5 0.53 (mm)
ICV 480-74010/18		07/26/2012 16:42	1		ZB-35 0.53 (mm)
STD1268 480-74010/19 IC		07/26/2012 16:58	1		ZB-5 0.53 (mm)
STD1268 480-74010/19 IC		07/26/2012 16:58	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1

SDG No.: _____

Instrument ID: HP6890-7 Start Date: 07/26/2012 12:11Analysis Batch Number: 74010 End Date: 07/26/2012 17:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 480-74010/20		07/26/2012 17:14	1		ZB-5 0.53 (mm)
ICV 480-74010/20		07/26/2012 17:14	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-23098-1

SDG No.: _____

Instrument ID: HP6890-7Start Date: 07/29/2012 08:40Analysis Batch Number: 74328End Date: 07/30/2012 02:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-74328/2		07/29/2012 08:40	1		ZB-5 0.53 (mm)
CCV 480-74328/2		07/29/2012 08:40	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 09:57	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 09:57	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 10:13	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 10:13	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 10:28	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 10:28	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 10:44	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 10:44	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 11:00	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 11:00	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 11:22	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 11:22	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 11:37	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 11:37	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 11:53	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 11:53	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 12:09	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 12:09	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 12:25	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 12:25	1		ZB-35 0.53 (mm)
CCV 480-74328/14		07/29/2012 12:41	1		ZB-5 0.53 (mm)
CCV 480-74328/14		07/29/2012 12:41	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 13:13	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 13:13	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 13:29	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 13:29	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 13:45	10		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 13:45	10		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 14:00	10		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 14:00	10		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 14:16	10		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 14:16	10		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 14:32	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 14:32	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 14:48	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 14:48	1		ZB-35 0.53 (mm)
CCV 480-74328/23		07/29/2012 15:04	1		ZB-5 0.53 (mm)
CCV 480-74328/23		07/29/2012 15:04	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 15:36	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 15:36	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 15:52	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 15:52	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 16:07	1		ZB-5 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-23098-1

SDG No.: _____

Instrument ID: HP6890-7Start Date: 07/29/2012 08:40Analysis Batch Number: 74328End Date: 07/30/2012 02:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/29/2012 16:07	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 16:24	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 16:24	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 16:39	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 16:39	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 16:55	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 16:55	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 17:11	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 17:11	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 17:27	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 17:27	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 17:43	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 17:43	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 17:59	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 17:59	1		ZB-35 0.53 (mm)
CCV 480-74328/35		07/29/2012 18:15	1		ZB-5 0.53 (mm)
CCV 480-74328/35		07/29/2012 18:15	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 18:46	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 18:46	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 19:02	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 19:02	1		ZB-35 0.53 (mm)
CCV 480-74328/39		07/29/2012 19:18	1	7_231_128.D	ZB-5 0.53 (mm)
CCV 480-74328/39		07/29/2012 19:18	1	7_231_128.D	ZB-35 0.53 (mm)
MB 480-74107/1-A		07/29/2012 19:50	1	7_231_130.D	ZB-5 0.53 (mm)
MB 480-74107/1-A		07/29/2012 19:50	1	7_231_130.D	ZB-35 0.53 (mm)
LCS 480-74107/2-A		07/29/2012 20:06	1	7_231_131.D	ZB-5 0.53 (mm)
LCS 480-74107/2-A		07/29/2012 20:06	1	7_231_131.D	ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 20:22	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 20:22	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 20:38	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 20:38	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 20:53	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 20:53	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 21:09	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 21:09	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 21:25	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 21:25	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 21:41	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 21:41	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 21:57	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 21:57	1		ZB-35 0.53 (mm)
ZZZZZ		07/29/2012 22:13	1		ZB-5 0.53 (mm)
ZZZZZ		07/29/2012 22:13	1		ZB-35 0.53 (mm)
CCV 480-74328/51		07/29/2012 22:29	1	7_231_140.D	ZB-5 0.53 (mm)
CCV 480-74328/51		07/29/2012 22:29	1	7_231_140.D	ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-23098-1

SDG No.: _____

Instrument ID: HP6890-7Start Date: 07/29/2012 08:40Analysis Batch Number: 74328End Date: 07/30/2012 02:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-23098-1	MW-1S	07/29/2012 23:01	1	7_231_142.D	ZB-5 0.53 (mm)
480-23098-1	MW-1S	07/29/2012 23:01	1	7_231_142.D	ZB-35 0.53 (mm)
480-23098-2	MW-2S	07/29/2012 23:16	1	7_231_143.D	ZB-5 0.53 (mm)
480-23098-2	MW-2S	07/29/2012 23:16	1	7_231_143.D	ZB-35 0.53 (mm)
480-23098-3	MW-2D	07/29/2012 23:33	1	7_231_144.D	ZB-5 0.53 (mm)
480-23098-3	MW-2D	07/29/2012 23:33	1	7_231_144.D	ZB-35 0.53 (mm)
480-23098-4	MW-1D	07/29/2012 23:48	1	7_231_145.D	ZB-5 0.53 (mm)
480-23098-4	MW-1D	07/29/2012 23:48	1	7_231_145.D	ZB-35 0.53 (mm)
480-23098-5	MW-4D	07/30/2012 00:04	1	7_231_146.D	ZB-5 0.53 (mm)
480-23098-5	MW-4D	07/30/2012 00:04	1	7_231_146.D	ZB-35 0.53 (mm)
480-23098-5 MS	MW-4D MS	07/30/2012 00:20	1	7_231_147.D	ZB-5 0.53 (mm)
480-23098-5 MS	MW-4D MS	07/30/2012 00:20	1	7_231_147.D	ZB-35 0.53 (mm)
480-23098-5 MSD	MW-4D MSD	07/30/2012 00:36	1	7_231_148.D	ZB-5 0.53 (mm)
480-23098-5 MSD	MW-4D MSD	07/30/2012 00:36	1	7_231_148.D	ZB-35 0.53 (mm)
480-23098-6	MW-X	07/30/2012 00:52	1	7_231_149.D	ZB-5 0.53 (mm)
480-23098-6	MW-X	07/30/2012 00:52	1	7_231_149.D	ZB-35 0.53 (mm)
480-23098-7	SOUTH PPRS	07/30/2012 01:08	1	7_231_150.D	ZB-5 0.53 (mm)
480-23098-7	SOUTH PPRS	07/30/2012 01:08	1	7_231_150.D	ZB-35 0.53 (mm)
480-23098-8	LEACHATE	07/30/2012 01:24	1	7_231_151.D	ZB-5 0.53 (mm)
480-23098-8	LEACHATE	07/30/2012 01:24	1	7_231_151.D	ZB-35 0.53 (mm)
CCV 480-74328/63		07/30/2012 01:40	1	7_231_152.D	ZB-5 0.53 (mm)
CCV 480-74328/63		07/30/2012 01:40	1	7_231_152.D	ZB-35 0.53 (mm)
ZZZZZ		07/30/2012 02:11	1		ZB-5 0.53 (mm)
ZZZZZ		07/30/2012 02:11	1		ZB-35 0.53 (mm)
ZZZZZ		07/30/2012 02:27	1		ZB-5 0.53 (mm)
ZZZZZ		07/30/2012 02:27	1		ZB-35 0.53 (mm)
ZZZZZ		07/30/2012 02:43	1		ZB-5 0.53 (mm)
ZZZZZ		07/30/2012 02:43	1		ZB-35 0.53 (mm)
CCV 480-74328/68		07/30/2012 02:59	1		ZB-5 0.53 (mm)
CCV 480-74328/68		07/30/2012 02:59	1		ZB-35 0.53 (mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-23098-1

SDG No.: _____

Instrument ID: HP6890-7Start Date: 08/01/2012 06:13Analysis Batch Number: 74672End Date: 08/01/2012 12:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-74672/2		08/01/2012 06:13	1	7_232_043.D	ZB-5 0.53 (mm)
CCV 480-74672/2		08/01/2012 06:13	1	7_232_043.D	ZB-35 0.53 (mm)
MB 480-74514/1-A		08/01/2012 06:57	1	7_232_045.D	ZB-5 0.53 (mm)
MB 480-74514/1-A		08/01/2012 06:57	1	7_232_045.D	ZB-35 0.53 (mm)
LCS 480-74514/2-A		08/01/2012 07:13	1	7_232_046.D	ZB-5 0.53 (mm)
LCS 480-74514/2-A		08/01/2012 07:13	1	7_232_046.D	ZB-35 0.53 (mm)
LCSD 480-74514/4-A		08/01/2012 07:29	1	7_232_047.D	ZB-5 0.53 (mm)
LCSD 480-74514/4-A		08/01/2012 07:29	1	7_232_047.D	ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 08:23	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 08:23	1		ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 08:41	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 08:41	1		ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 08:57	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 08:57	1		ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 09:29	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 09:29	1		ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 09:45	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 09:45	1		ZB-35 0.53 (mm)
CCV 480-74672/14		08/01/2012 10:01	1	7_232_054.D	ZB-5 0.53 (mm)
CCV 480-74672/14		08/01/2012 10:01	1	7_232_054.D	ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 10:33	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 10:33	1		ZB-35 0.53 (mm)
480-23140-1	MW-3S	08/01/2012 10:48	1	7_232_057.D	ZB-5 0.53 (mm)
480-23140-1	MW-3S	08/01/2012 10:48	1	7_232_057.D	ZB-35 0.53 (mm)
480-23140-2	MW-3D	08/01/2012 11:04	1	7_232_058.D	ZB-5 0.53 (mm)
480-23140-2	MW-3D	08/01/2012 11:04	1	7_232_058.D	ZB-35 0.53 (mm)
480-23140-3	MW-4S	08/01/2012 11:20	1	7_232_059.D	ZB-5 0.53 (mm)
480-23140-3	MW-4S	08/01/2012 11:20	1	7_232_059.D	ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 11:36	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 11:36	1		ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 11:52	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 11:52	1		ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 12:08	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 12:08	1		ZB-35 0.53 (mm)
ZZZZZ		08/01/2012 12:24	1		ZB-5 0.53 (mm)
ZZZZZ		08/01/2012 12:24	1		ZB-35 0.53 (mm)
CCV 480-74672/22		08/01/2012 12:40	1	7_232_064.D	ZB-5 0.53 (mm)
CCV 480-74672/22		08/01/2012 12:40	1	7_232_064.D	ZB-35 0.53 (mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1

SDG No.: _____

Batch Number: 74107 Batch Start Date: 07/27/12 06:56 Batch Analyst: Radigan, TimothyBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	O_8081/82surr 00025	O_8082spike 00007	
MB 480-74107/1		3510C, 8082		5 SU	1000 mL	10 mL	1 mL		
LCS 480-74107/2		3510C, 8082		5 SU	1000 mL	10 mL	1 mL	1 mL	
480-23098-B-5 MS	MW-4D	3510C, 8082	T	6 SU	1050 mL	10 mL	1 mL	1 mL	
480-23098-B-5 MSD	MW-4D	3510C, 8082	T	6 SU	1055 mL	10 mL	1 mL	1 mL	
480-23098-B-1	MW-1S	3510C, 8082	T	6 SU	1030 mL	10 mL	1 mL		
480-23098-B-2	MW-2S	3510C, 8082	T	6 SU	1059 mL	10 mL	1 mL		
480-23098-B-3	MW-2D	3510C, 8082	T	6 SU	1057 mL	10 mL	1 mL		
480-23098-A-4	MW-1D	3510C, 8082	T	6 SU	1030 mL	10 mL	1 mL		
480-23098-A-5	MW-4D	3510C, 8082	T	6 SU	1058 mL	10 mL	1 mL		
480-23098-B-6	MW-X	3510C, 8082	T	6 SU	1055 mL	10 mL	1 mL		
480-23098-A-7	SOUTH PPRS	3510C, 8082	T	6 SU	1020 mL	10 mL	1 mL		
480-23098-A-8	LEACHATE	3510C, 8082	T	6 SU	1060 mL	10 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric Acid, K43058, MZ 7/27/12
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC132325
Person's name who did the concentration	TCR & MZ
Exchange Solvent Lot #	L12E11
Exchange Solvent Name	Hexane
Na2SO4 Lot Number	27862005
Prep Solvent Lot #	0000005948
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	TCR & MZ
Person's name who witnessed reagent drop	TCR
Sufficient volume for MS/MSD?	Yes

Basis	Basis Description
T	Total/NA

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-23098-1

SDG No.: _____

Batch Number: 74514 Batch Start Date: 07/31/12 08:20 Batch Analyst: Radigan, TimothyBatch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	O_8081/82surr 00025	O_8082spike 00007	AnalysisComment
MB 480-74514/1		3510C, 8082		5 SU	1000 mL	10 mL	1 mL		
LCS 480-74514/2		3510C, 8082		5 SU	1000 mL	10 mL	1 mL	1 mL	
LCSD 480-74514/4		3510C, 8082		5 SU	1000 mL	10 mL	1 mL	1 mL	lost MSD during extraction. Replaced with an LCSD
480-23140-A-1	MW-3S	3510C, 8082	T	6 SU	550 mL	10 mL	1 mL		
480-23140-A-2	MW-3D	3510C, 8082	T	6 SU	430 mL	10 mL	2 mL		
480-23140-B-3	MW-4S	3510C, 8082	T	7 SU	1059 mL	10 mL	1 mL		

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric Acid, K43058, TCR 7/31/12
Person's name who did the concentration	TCR & MZ
Exchange Solvent Lot #	L12E11
Exchange Solvent Name	Hexane
Na2SO4 Lot Number	27862005
Prep Solvent Lot #	0000005948
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	TCR & MZ
Person's name who witnessed reagent drop	TCR
Sufficient volume for MS/MSD?	Has MS

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

Chain of Custody Record

Client Information				Lab PM				Carrier Tracking No(s)				COC No																											
Client Contact Mr. Jeremy Wyckoff Company Malcoim Pirnie, Inc. Invoice to Arcadis				Lab PM Hoffman, Sally E-Mail sally.hoffman@testamerica.com				Carrier Tracking No(s) 480-26039-6643 2				COC No 480-26039-6643 2																											
Address 855 Route 146 Suite 210 City Clifton Park State Zip NY, 12065 Phone 518-450-7300				Due Date Requested: TAT Requested (days): PO # WO # Contract D004439 Project # 48006188 SSOW#				Analysis Requested Job #				Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Ascorbic Acid H - Iodine J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)																											
Sample Identification				Sample Date				Sample Time				Sample Type (C=Comp, G=grab)				Matrix (W=water, S=solid, O=material, BT=issue, AS=air)				Field Filtered Sample (Yes or No)				Perform MS/MSD (Yes or No)				EPA PCB Priority Pollutant PCBs				Total Number of Containers				Special Instructions/Note:			
MW-1S				7/25/12				1130				G				Water				N				N				2											
MW-2S				7/25/12				1140				G				Water				N				N				2											
MW-2D				7/25/12				1035				G				Water				N				N				2											
MW-1D				7/25/12				1415				G				Water				N				N				2											
MW-4D + ms/msd				7/25/12				1440				G				Water				N				Y				6											
MW-X				7/25/12				1500				G				Water				N				N				2											
South PPRS				7/25/12				1530				G				Water				N				N				2											
Leachate				7/25/12				1540				G				Water				N				N				2											

Chain of Custody Record

Client Information Client Contact: Mr. Jeremy Wyckoff Company: Malcolm Pirnie, Inc. Invoice to Arcadis Address: 855 Route 146 Suite 210 City: Clifton Park State Zip: NY, 12065 Phone: 518-250-7300 Email: jeremy.wyckoff@arcadis-us.com Project Name: NYSDEC-Standby COLUMBIA MILLS Site: Columbia Mills		Sampler: J. Wyckoff Lab PM: Hoffman, Sally Phone: 667-434-3926 E-Mail: sally.hoffman@testamerica.com		COG No: 480-26039-6643 1 Page: 1 of 1 Job #:						
Due Date Requested: TAT Requested (days): 10 PO #: Project 00266363.0000 W/O #: Contract D004439 Project #: 48006188 SSOW#		Analysis Requested								
Sample Identification MW-35 MW-3D MW-45		Sample Date 7/26/12 7/26/12 7/26/12	Sample Time 0830 0820 0825	Sample Type (C=comp, G=grab) G G G	Matrix (Water, Solid, Overstabil) Water Water Water	Field Filtered Sample (Yes or No) N N N	Perform MS/MSD (Yes or No) N N N	Total Number of Containers 1 1 2	Special Instructions/Note: Limited Sample Volume Limited Sample Volume	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological										
Deliverable Requested I, II, III, IV, Other (specify) NYS ASP CAT B NYSDEC LQVES										
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:		Date:		Method of Shipment:						
Relinquished by:		Date/Time: 7/26/12 0900		Received by:						
Relinquished by:		Date/Time:		Received by:						
Relinquished by:		Date/Time:		Received by:						
Custody Seals Intact: A Yes A No		Custody Seal No: 481405		Cooler Temperature(s) °C and Other Remarks: 76.82						

Login Sample Receipt Checklist

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Login Number: 23098

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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.	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	ARCADIS
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	

Login Sample Receipt Checklist

Client: Malcolm Pirnie, Inc. Invoice to Arcadis

Job Number: 480-23098-1

Login Number: 23140

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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.	False	
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	ARCADIS
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	

Appendix B
Well Inspection Logs



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JFW/GB
WELL DESIGNATION: MW-15
WELL LOCATION: NW Corner LF

Outward Appearance

Flushmount Diameter inches N/A ☒
Approximate Stickup Height 2.5 feet N/A ☐
Integrity of Protective Casing Describe: OK
Protective Casing Material Steel ☒ Stainless Steel ☐ Other
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other
Integrity of Surface Seal/Apron Describe: covered by soil
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe:
Well ID. Visible? Yes ☒ No ☐ Describe:
Lock Present and Functional? Yes ☒ No ☐ Describe:
Photograph Taken? Photo # Yes ☐ No ☒ Describe:

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe:
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe:

Downhole

Odor Yes ☐ No ☒ Describe:
PID Reading NM ppm
Depth to Water (to top of casing) 6.92 feet (nearest 0.01) Depth to LNAPL feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 16.52 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe:

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills
Gladding Gorge PROJECT NUMBER: 0026636310000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW/GS
WELL DESIGNATION: MW-1D
WELL LOCATION: NW Corner LF

Outward Appearance

Flushmount Diameter _____ inches N/A ☒]
Approximate Stickup Height 2.5 feet N/A []
Integrity of Protective Casing Describe: OK
Protective Casing Material Steel ☒] Stainless Steel [] Other _____
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes [] No ☒]
Surface Seal/Apron Material Cement [] Bentonite [] Not apparent ☒] Other _____
Integrity of Surface Seal/Apron Describe: Covered by soil
Surface Drainage Away from Wellhead ☒] Toward Wellhead ☒]
Bollards Present? Yes [] No ☒] Describe: _____
Well ID. Visible? Yes ☒] No [] Describe: _____
Lock Present and Functional? Yes ☒] No [] Describe: _____
Photograph Taken? Photo # Yes [] No ☒] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes [] No ☒] Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒] Steel [] Stainless Steel []
Inner Cap Threaded [] Slip ☒] Expansion Plug [] None []
Reference/Measuring Point Groove [] Indelible Mark ☒] None []
Evidence of Double Casing? Yes [] No ☒] Describe: _____

Downhole

Odor Yes [] No ☒] Describe: _____
PID Reading NM ppm
Depth to Water (to top of casing) 3.50 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
Total Well Depth (to top of casing) 27.90 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266362.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW / GB
WELL DESIGNATION: MW-25
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.10 feet N/A ☐
Integrity of Protective Casing Describe: OK
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: Cement w/ Grout
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading NM ppm
Depth to Water (to top of casing) 13.46 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 17.29 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbin Mills PROJECT NUMBER: 00266363, 0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW/GB
WELL DESIGNATION: MW-2D
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A []
Approximate Stickup Height 2.0 feet N/A []
Integrity of Protective Casing Describe: OK
Protective Casing Material Steel ☒ Stainless Steel [] Other _____
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes [] No ☒
Surface Seal/Apron Material Cement [] Bentonite [] Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: Covered w/ Grass
Surface Drainage Away from Wellhead ☒ Toward Wellhead []
Bollards Present? Yes [] No ☒ Describe: _____
Well ID. Visible? Yes ☒ No [] Describe: _____
Lock Present and Functional? Yes ☒ No [] Describe: _____
Photograph Taken? Photo # Yes [] No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes [] No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel [] Stainless Steel []
Inner Cap Threaded [] Slip ☒ Expansion Plug [] None []
Reference/Measuring Point Groove [] Indelible Mark ☒ None []
Evidence of Double Casing? Yes [] No ☒ Describe: _____

Downhole

Odor Yes [] No ☒ Describe: _____
PID Reading NM ppm
Depth to Water (to top of casing) 13.62 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
Total Well Depth (to top of casing) 27.25 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JEW/GB
WELL DESIGNATION: MW-35
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.5 feet N/A ☐
Integrity of Protective Casing Describe: OK
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: covered by grass
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading NM ppm
Depth to Water (to top of casing) 6.67 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 17.65 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363,0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW/GB
WELL DESIGNATION: MW-3D
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.5 feet N/A ☐
Integrity of Protective Casing Describe: OK
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: Covered by grass
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☒ No ☐ Describe: Level w/ Ground Surface
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading NM ppm
Depth to Water (to top of casing) 17.71 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 26.59 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

Bees nest in stickup - Sprayed w/ bee spray



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363,0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW/GB
WELL DESIGNATION: MW-45
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 1.5 feet N/A ☐
Integrity of Protective Casing Describe: Bent - damaged near cover, cut in side of Stickup.
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: Covered w/ grass
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: ok
Integrity of Cap Seal Describe: ok
Surface Water in Casing? Yes ☒ No ☐ Describe: Flush w/ ground surface
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading Nm ppm
Depth to Water (to top of casing) 12.27 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 14.00 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW/GB
WELL DESIGNATION: MW-40
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.0 feet N/A ☐
Integrity of Protective Casing Describe: damage @ Top. Bent near cover
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 5 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: covered
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: ok
Integrity of Cap Seal Describe: ok
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading NM ppm
Depth to Water (to top of casing) 11.51 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 26.96 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

Bees in stickup - sprayed w/ bee spray.



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbin Mills PROJECT NUMBER: 00266363,000
DATE OF INSPECTION: 7/25/12 INSPECTOR: Jew
WELL DESIGNATION: LFP-1
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒]
Approximate Stickup Height 1.5 feet N/A []
Integrity of Protective Casing Describe: none = riser height
Protective Casing Material Steel [] Stainless Steel [] Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes [] No []
Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead [] Toward Wellhead []
Bollards Present? Yes [] No [] Describe: _____
Well ID. Visible? Yes [] No [] Describe: _____
Lock Present and Functional? Yes [] No [] Describe: _____
Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes [] No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel [] Stainless Steel []
Inner Cap Threaded [] Slip [] Expansion Plug ☒ None []
Reference/Measuring Point Groove [] Indelible Mark [] None ☒]
Evidence of Double Casing? Yes [] No ☒ Describe: _____

Downhole

Odor Yes [] No ☒ Describe: _____
PID Reading nm ppm
Depth to Water (to top of casing) 18.91 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
Total Well Depth (to top of casing) 20.55 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363,0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JCW/GB
WELL DESIGNATION: LFP-2
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 3.5 feet N/A ☒
Integrity of Protective Casing Describe: None = Rise height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other None
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☐ Describe: _____
Well ID. Visible? Yes ☐ No ☐ Describe: _____
Lock Present and Functional? Yes ☐ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading none ppm
Depth to Water (to top of casing) 16.00 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 18.15 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: _____
WELL DESIGNATION: LFP-3
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.5 feet N/A ☐
Integrity of Protective Casing Describe: none - rise height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☐ Describe: _____
Well ID, Visible? Yes ☐ No ☐ Describe: _____
Lock Present and Functional? Yes ☐ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☐ Describe: _____
PID Reading NDM ppm
Depth to Water (to top of casing) 14.59 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 16.91 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbin Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JLW/GB
WELL DESIGNATION: LFP-4
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A [☒]
Approximate Stickup Height 3.0 feet N/A [☐]
Integrity of Protective Casing Describe: None Riser height
Protective Casing Material Steel [☐] Stainless Steel [☐] Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes [☐] No [☐]
Surface Seal/Apron Material Cement [☐] Bentonite [☐] Not apparent [☐] Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead [☐] Toward Wellhead [☐]
Bollards Present? Yes [☐] No [☐] Describe: _____
Well ID. Visible? Yes [☐] No [☐] Describe: _____
Lock Present and Functional? Yes [☐] No [☐] Describe: _____
Photograph Taken? Photo # Yes [☐] No [☐] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes [☐] No [☒] Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC [☒] Steel [☐] Stainless Steel [☐]
Inner Cap Threaded [☐] Slip [☐] Expansion Plug [☒] None [☐]
Reference/Measuring Point Groove [☐] Indelible Mark [☐] None [☒]
Evidence of Double Casing? Yes [☐] No [☒] Describe: _____

Downhole

Odor Yes [☐] No [☒] Describe: _____
PID Reading nm ppm
Depth to Water (to top of casing) 13.33 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [☐]
Total Well Depth (to top of casing) 14.49 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: _____
WELL DESIGNATION: LFP-5
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.0 feet N/A ☐
Integrity of Protective Casing Describe: none - riser height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☐ Describe: _____
Well ID. Visible? Yes ☐ No ☐ Describe: _____
Lock Present and Functional? Yes ☐ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☐ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading 2.0 ppm
Depth to Water (to top of casing) 17.15 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 22.41 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 9/25/12 INSPECTOR: Jewell
WELL DESIGNATION: LFP-6
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A [☒]
Approximate Stickup Height 2.0 feet N/A [☐]
Integrity of Protective Casing Describe: none = Rise height
Protective Casing Material Steel [☐] Stainless Steel [☐] Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes [☐] No [☐]
Surface Seal/Apron Material Cement [☐] Bentonite [☐] Not apparent [☐] Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead [☐] Toward Wellhead [☐]
Bollards Present? Yes [☐] No [☐] Describe: _____
Well ID. Visible? Yes [☐] No [☐] Describe: _____
Lock Present and Functional? Yes [☐] No [☐] Describe: _____
Photograph Taken? Photo # Yes [☐] No [☐] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes [☐] No [☒] Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC [☒] Steel [☐] Stainless Steel [☐]
Inner Cap Threaded [☐] Slip [☐] Expansion Plug [☒] None [☐]
Reference/Measuring Point Groove [☐] Indelible Mark [☐] None [☒]
Evidence of Double Casing? Yes [☐] No [☒] Describe: _____

Downhole

Odor Yes [☐] No [☒] Describe: _____
PID Reading 0.00 ppm
Depth to Water (to top of casing) 14.15 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [☐]
Total Well Depth (to top of casing) 19.59 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbin Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW/GB
WELL DESIGNATION: LFP-7
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 3.0 feet N/A ☐
Integrity of Protective Casing Describe: None = Riser height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☐ No ☒ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☒ No ☐ Describe: Methane odor - PID < 1
PID Reading 41 ppm
Depth to Water (to top of casing) 5.8 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 8.75 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbin Mills PROJECT NUMBER: 00266363, 0000
DATE OF INSPECTION: 7/25/22 INSPECTOR: JAW/GB
WELL DESIGNATION: LFP-8
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 4 feet N/A ☐
Integrity of Protective Casing Describe: None = riser height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☐ Describe: _____
Well ID. Visible? Yes ☐ No ☐ Describe: _____
Lock Present and Functional? Yes ☐ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading 100 ppm
Depth to Water (to top of casing) 13.74 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 14.80 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW
WELL DESIGNATION: LFP-9
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.0 feet N/A ☐
Integrity of Protective Casing Describe: None = Risk height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☐ No ☒ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: ok
Integrity of Cap Seal Describe: ok
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading Nm ppm
Depth to Water (to top of casing) 18.13 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 18.51 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 06266363,0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JAW/GB
WELL DESIGNATION: LFP-10
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 3.5 feet N/A ☐
Integrity of Protective Casing Describe: None - Riser height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☐ No ☒ Describe: _____
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading nm ppm
Depth to Water (to top of casing) 15.18 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 15.54 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363,0000
DATE OF INSPECTION: 7/26/12 INSPECTOR: JLW/68
WELL DESIGNATION: LFP-11
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.0 feet N/A ☐
Integrity of Protective Casing Describe: None - Rise height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☐ Describe: _____
Well ID. Visible? Yes ☐ No ☐ Describe: _____
Lock Present and Functional? Yes ☐ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading None ppm
Depth to Water (to top of casing) 23.55 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 24.81 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.0000
DATE OF INSPECTION: 7/25/12 INSPECTOR: JRW/BB
WELL DESIGNATION: LFp-12
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 3.5 feet N/A ☐
Integrity of Protective Casing Describe: none = Risc height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☐ Describe: _____
Well ID. Visible? Yes ☐ No ☐ Describe: _____
Lock Present and Functional? Yes ☐ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading um ppm
Depth to Water (to top of casing) dry feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 21.48 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

Dry



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Columbia Mills PROJECT NUMBER: 00266363.6000
DATE OF INSPECTION: LFP-13 7/25/12 INSPECTOR: SAW-66
WELL DESIGNATION: LFP-13
WELL LOCATION: _____

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 4.5 feet N/A ☐
Integrity of Protective Casing Describe: None = Rise height
Protective Casing Material Steel ☐ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. _____ inches
Weep Hole in Protective Casing Yes ☐ No ☐
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☐ Describe: _____
Well ID. Visible? Yes ☐ No ☐ Describe: _____
Lock Present and Functional? Yes ☐ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: OK
Integrity of Cap Seal Describe: OK
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading nm ppm
Depth to Water (to top of casing) 7.48 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
Total Well Depth (to top of casing) 7.79 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:



GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME:

Columbia Mills

PROJECT NUMBER:

00266363, 0000

DATE OF INSPECTION:

7/25/12

INSPECTOR:

WELL DESIGNATION:

LFP-14

WELL LOCATION:

Outward Appearance

Flushmount Diameter

 inches

N/A ☒

Approximate Stickup Height

2.10 feet

N/A ☐

Integrity of Protective Casing

Describe: none - riser height

Protective Casing Material

Steel ☐

Stainless Steel ☐

Other

Protective Casing Width or Dia.

 inches

Weep Hole in Protective Casing

Yes ☐

No ☐

Surface Seal/Apron Material

Cement ☐

Bentonite ☐

Not apparent ☐

Integrity of Surface Seal/Apron

Describe:

Surface Drainage

Away from Wellhead ☐

Toward Wellhead ☐

Bollards Present?

Yes ☐

No ☐

Describe:

Well ID. Visible?

Yes ☐

No ☐

Describe:

Lock Present and Functional?

Yes ☐

No ☐

Describe:

Photograph Taken? Photo #

Yes ☐

No ☐

Describe:

Inner Appearance

Integrity of Well Casing

Describe: OK

Integrity of Cap Seal

Describe: OK

Surface Water in Casing?

Yes ☐

No ☒

Describe:

Well Casing Diameter

2 inches

Well Casing Material

PVC ☒

Steel ☐

Stainless Steel ☐

Inner Cap

Threaded ☐

Slip ☐

Expansion Plug ☒

None ☐

Reference/Measuring Point

Groove ☐

Indelible Mark ☐

None ☒

Evidence of Double Casing?

Yes ☐

No ☒

Describe:

Downhole

Odor

Yes ☐

No ☒

Describe:

PID Reading

NM ppm

Depth to Water (to top of casing)

26.13 feet (nearest 0.01)

Depth to LNAPL

 feet (nearest 0.01) N/A ☐

Total Well Depth (to top of casing)

30.74 feet (nearest 0.1)

Sediment (Hard/Soft Bottom)

Describe:

Additional Comments:

Appendix C
Groundwater Level Data Form



GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.00000

DATE: 7/25/2012
PERSONNEL: J. Wyckoff
G. Barret (Aztech)

WELL ID	Date	Time	Headspace VOC ppm	Depth to Water (feet)	Total Depth (feet)	Reference Point
MW-1S	7/25/2012	7:30 - 9:30	0.0	6.92	16.52	TOC
MW-1D	7/25/2012	7:30 - 9:30	0.0	3.50	27.90	TOC
MW-2S	7/25/2012	7:30 - 9:30	0.0	13.46	17.29	TOC
MW-2D	7/25/2012	7:30 - 9:30	0.0	13.62	27.25	TOC
MW-3S	7/25/2012	7:30 - 9:30	0.0	6.67	17.65	TOC
MW-3D	7/25/2012	7:30 - 9:30	0.0	17.71	26.59	TOC
MW-4S	7/25/2012	7:30 - 9:30	0.0	12.27	14.00	TOC
MW-4D	7/25/2012	7:30 - 9:30	0.0	11.51	29.96	TOC
LFP-1	7/25/2012	7:30 - 9:30	0.0	18.91	20.55	TOC
LFP-2	7/25/2012	7:30 - 9:30	0.0	16.00	4.05	TOC
LFP-3	7/25/2012	7:30 - 9:30	0.0	14.59	16.90	TOC
LFP-4	7/25/2012	7:30 - 9:30	0.0	13.33	14.50	TOC
LFP-5	7/25/2012	7:30 - 9:30	0.0	17.15	22.40	TOC
LFP-6	7/25/2012	7:30 - 9:30	0.0	14.15	19.55	TOC
LFP-7	7/25/2012	7:30 - 9:30	0.0	Dry	8.68	TOC
LFP-8	7/25/2012	7:30 - 9:30	0.0	13.74	14.79	TOC
LFP-9	7/25/2012	7:30 - 9:30	0.0	18.13	18.50	TOC
LFP-10	7/25/2012	7:30 - 9:30	0.0	15.18	15.50	TOC
LFP-11	7/25/2012	7:30 - 9:30	0.0	23.55	24.80	TOC
LFP-12	7/25/2012	7:30 - 9:30	0.0	Dry	21.30	TOC
LFP-13	7/25/2012	7:30 - 9:30	0.0	7.48	7.50	TOC
LFP-14	7/25/2012	7:30 - 9:30	0.0	26.23	30.70	TOC

Notes:

Appendix D
Groundwater Sampling Purge Logs



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-1S DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: JRW/GB

A: Total Casing and Screen Length: 16.52ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 6.92ft

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1055	1105	1110	1115	1120	1125	1130					
Gallons	0.0						3.0					
Depth to Water (ft)	7.56	7.70	7.73	7.75	7.77	7.78						
pH	7.76	7.23	7.20	7.18	7.18	7.17	7.17					
Conductivity (mohm/cm)	0.804	0.301	0.301	0.301	0.302	0.302	0.302					
Turbidity (ntu)	0.0	24.5	9.3	2.8	0.0	0.0	0.0					
Dissolved Oxygen (mg/l)	0.75	0.0	0.0	0.0	0.0	0.0	0.0					
Temperature (°C)	16.38	15.11	15.16	15.09	15.11	15.16	15.06					
Salinity	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
TDS	0.197	0.196	0.196	0.196	0.196	0.196	0.196					
Redox (mV)	217	26	20	17	13	11	10					

Notes: 1052- Initiate purge

1130- Collect samples

Purged ~3.0 gallons



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-1D DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: JRW/GB

A: Total Casing and Screen Length: 27.9ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 3.50ft

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1340	1350	1355	1400	1405	1410	1415					
Gallons												
Depth to Water (ft)	4.16	4.52	4.63	4.77	4.82	4.88						
pH	7.88	7.72	7.39	7.24	7.15	7.11	7.09					
Conductivity (mohm/cm)	0.359	0.335	0.282	0.278	0.269	0.268	0.267					
Turbidity (ntu)	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
Dissolved Oxygen (mg/l)	6.36	0.21	0.0	0.0	0.0	0.0	0.0					
Temperature (°C)	15.61	14.65	14.32	13.96	13.87	13.81	13.75					
Salinity	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
TDS	0.233	0.215	0.184	0.181	0.175	0.714	0.713					
Redox (mV)	238	194	55	38	33	32	31					

Notes: 1338- Initiate purge

1415- Finish purge, collect samples

Purged ~3.0 gallons



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-2S DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: JRW/GB

A: Total Casing and Screen Length: 17.29ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 13.57ft

PARAMETER	ACCUMULATED VOLUME PURGED										
Time	1050	1055	1100	1105	1110	1115	1120	1125	1130	1135	
Gallons	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	
Depth to Water (ft)	14.41	14.60	14.90	15.21	15.46	15.73	15.97	16.11			
pH	6.94	7.11	6.94	6.82	6.82	7.31	7.25	7.25	7.25	7.23	
Conductivity (mohm/cm)	0.350	0.327	0.326	0.332	0.343	0.353	0.355	0.369	0.369	0.369	
Turbidity (ntu)	188	117	92	69	71	84	82	86	85	83	
Dissolved Oxygen (mg/l)	4.94	5.10	5.10	4.84	4.77	4.76	4.64	4.28	4.32	4.31	
Temperature (°C)	17.09	17.40	16.87	16.82	16.51	16.14	16.32	15.91	15.72	15.64	
Salinity	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
TDS	0.225	0.212	0.212	0.216	0.223	0.230	0.231	0.240	0.240	0.240	
Redox (mV)	116	105	114	123	127	168	110	114	116	117	

Notes: Sampled at 11:40



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-2D DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: _____

A: Total Casing and Screen Length: 27.25ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 13.40ft

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	0955	1000	1005	1010	1015	1020	1025	1030				
Gallons	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00				
Depth to Water (ft)	15.75	16.37	17.11	17.75	17.84	18.03	18.17	18.34				
pH	7.66	7.77	7.72	7.75	7.75	7.75	7.73	7.76				
Conductivity (mohm/cm)	0.352	0.346	0.348	0.348	0.347	0.345	0.343	0.343				
Turbidity (ntu)	117	105	88	63	37	21.7	20	19				
Dissolved Oxygen (mg/l)	0.61	0.27	0.12	0.05	0.0	0.0	0.0	0.0				
Temperature (°C)	18.98	18.76	17.99	17.68	17.50	16.84	17.01	17.16				
Salinity	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
TDS	0.228	0.225	0.226	0.226	0.226	0.224	0.223	0.223				
Redox (mV)	58	49	52	53	51	52	53	51				

Notes: Sampled at 1035



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-3S DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: JRW/GB

A: Total Casing and Screen Length: 17.65ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 6.67ft

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1025	1030	1035	1040	1045							
Gallons	0				Purged dry							
Depth to Water (ft)	10.30	13.05	14.50	16.68								
pH	7.65	7.63	7.62	7.61								
Conductivity (mohm/cm)	0.046	0.465	0.463	0.463								
Turbidity (ntu)	0.0	0.0	0.0	0.0								
Dissolved Oxygen (mg/l)	6.74	6.55	6.11	5.77								
Temperature (°C)	18.48	16.58	17.15	17.42								
Salinity	0.0	0.0	0.0	0.0								
TDS	0.302	0.302	0.301	0.301								
Redox (mV)	254	258	260	262								

Notes: 1025- Initiate purge

Purged well dry

Purged ~2.0 gallons

7/26/2012 0830 - collect sample



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-3D DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: JRW/GB

A: Total Casing and Screen Length: 26.59ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 17.71ft

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1000	1010	1015	1020								
Gallons	0			Purged dry								
Depth to Water (ft)	18.89	24.08	25.50									
pH	7.86	7.62	7.60									
Conductivity (mohm/cm)	0.428	0.487	0.475									
Turbidity (ntu)	0.0	0.0	0.0									
Dissolved Oxygen (mg/l)	5.71	1.38	0.61									
Temperature (°C)	22.45	13.01	12.80									
Salinity	0.0	0.0	0.0									
TDS	0.278	0.316	0.309									
Redox (mV)	248	255	254									

Notes: 0955- Initiate purge

Purged dry at 1020

Purged ~2.0 gallons

7/26/2012 0820 - collect sample



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-4S DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: JRW/GB

A: Total Casing and Screen Length: 14.00ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 12.27ft

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1440	1450	1455									
Gallons	0		Purged dry									
Depth to Water (ft)	13.08	13.80										
pH	6.79	6.74										
Conductivity (mohm/cm)	0.475	0.485										
Turbidity (ntu)	0.0	0.0										
Dissolved Oxygen (mg/l)	3.26	1.65										
Temperature (°C)	15.87	14.84										
Salinity	0.0	0.0										
TDS	0.306	0.315										
Redox (mV)	197	99										

Notes: 1440- Initiate purge

1455- Purged well dry

7/26/2012 0825 - collect sample



LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-4D DATE: 7/25/2012

PROJECT NAME: Columbia Mills

PROJECT NUMBER: 00266363.0000

SAMPLERS: JRW/GB

A: Total Casing and Screen Length: 29.96ft

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 11.50ft

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1400	1405	1410	1415	1420	1425	1430	1435				
Gallons	0.25	0.50	0.75	1.00	1.25	1.75	2.25	2.50				
Depth to Water (ft)	12.30	12.30	12.30	12.30	12.30	12.30	12.30	12.50				
pH	7.36	7.71	7.73	7.64	7.58	7.58	7.58	7.60				
Conductivity (mohm/cm)	0.323	0.325	0.355	0.378	0.385	0.391	0.394	0.397				
Turbidity (ntu)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
Dissolved Oxygen (mg/l)	0.20	0.14	0.0	0.0	0.0	0.0	0.0	0.0				
Temperature (°C)	26.16	24.52	23.32	22.75	22.43	22.07	21.78	21.67				
Salinity	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				
TDS	0.210	0.211	0.232	0.246	0.250	0.254	0.256	0.258				
Redox (mV)	136	92	-64	-89	-98	-106	-113	-116				

Notes: Sampled at 1440

MS/MSD collected

DUP (MW-X) collected, 1500 on COC