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New York State Department of Environmental Conservation

Columbia Mills Site 2011 Annual Groundwater Monitoring Report

NYSDEC Site Number 7-38-012

January 2012

ARCADIS

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Columbia Mills Site 2011
Annual Groundwater
Monitoring Report

NYSDEC Site Number 7-38-012

Prepared for:
New York State Department of
Environmental Conservation

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1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D004443-7) to ARCADIS U.S., Inc. (ARCADIS), formally 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. ARCADIS has prepared this Quarterly Report in accordance with the NYSDEC-approved Work Plan to summarize site activities, including second quarter 2011 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 June 22, 2011 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 June 2011 inspection:

- The landfill cap was not 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 O&M Repairs

3.3 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, 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.

3.4 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.

3.4.1 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, north PPRS, 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 and leachate collection tank were submitted to TestAmerica in Shelton, Connecticut for analysis of PCBs by USEPA Method 8082, respectively.

3.4.2 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. One sample (MW-X) was collected from the north PPRS and submitted as a field duplicate. As shown in Table 3-1, no PCBs were detected in any of these samples.

4. Groundwater Monitoring Program

4.1 Groundwater Monitoring

Groundwater monitoring wells were sampled on June 22, 2011 to provide information on groundwater quality, monitor contaminant migration in the groundwater at the site, and assess hydrogeologic site conditions, including groundwater flow. Figure 4-1 shows the locations of the groundwater monitoring wells.

4.2 Well Inspection

Existing on-site groundwater monitoring wells and piezometers were evaluated for integrity and suitability for groundwater monitoring and water levels. The condition of each well and piezometer was recorded in the field note book. 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 B). 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 324 feet amsl. As shown in Table 4-1, three well clusters (MW-1/1D, MW-2/2D, and MW-4/4D) have higher groundwater elevations in the deep groundwater monitoring zones compared to the shallow groundwater monitoring zones, indicating an upward hydraulic gradient at these locations. The elevations in the shallow groundwater monitoring zone in well cluster MW-1/1A are higher compared to the deep groundwater monitoring zone, indicating an downward hydraulic gradient. As shown in Table 4-1, the averages of the 2011 shallow groundwater elevations are approximately two feet lower than in 2010. The deep groundwater elevations are approximately the same as the elevations measured in 2010.

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. 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 C. 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 samples collected during the 2011 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 June 2011 indicated no significant problems with the condition or security of the landfill.

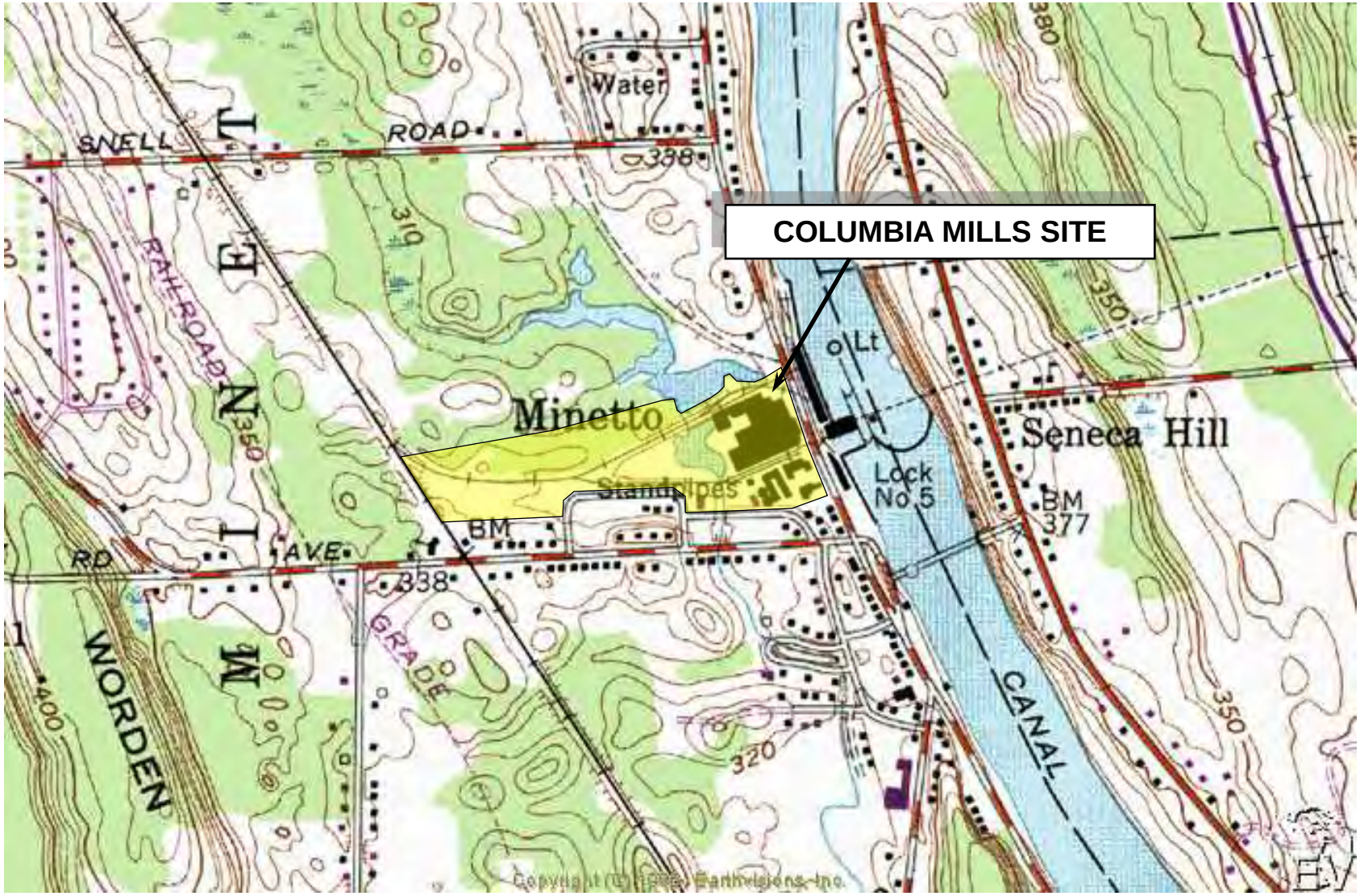
Leachate and PPRS samples did not contain detectable concentrations of PCBs. The groundwater monitoring wells and piezometers are generally in acceptable condition. Based on the water level survey, groundwater flow across the site is generally toward the northeast. No PCBs were detected in any of the groundwater samples collected during the 2011 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.



SOURCE: U.S.G.S 7.5 MIN. OSWEGO EAST QUAD, 1985

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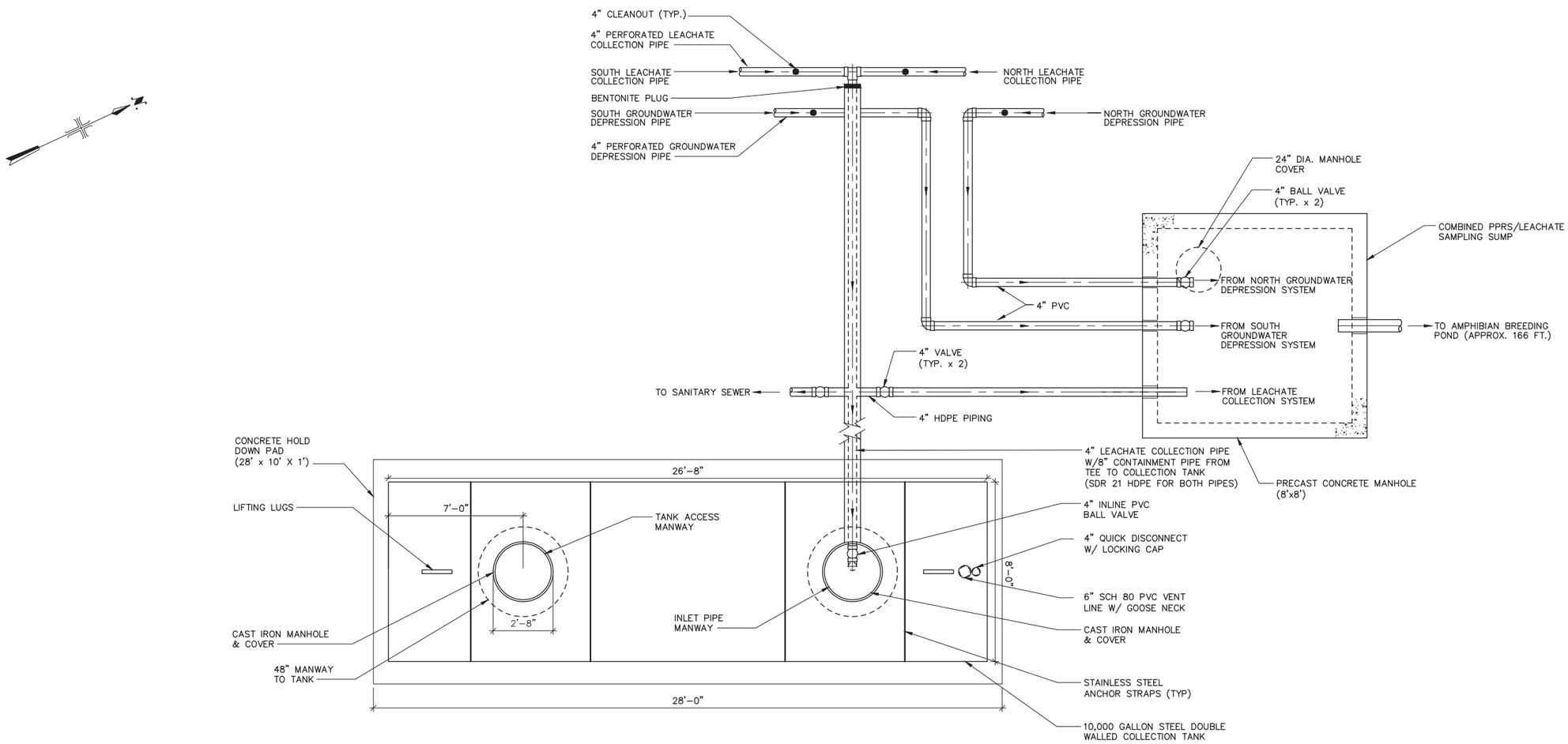
NYSDEC STANDBY CONTRACT NO. D004443-7
NYSDEC SITE NO. 7-38-012
MINETTO, NEW YORK

COLUMBIA MILLS SITE LOCATION

FIGURE 2-1

H:\PROJECT\0266363\FILE\Reports\Figure 2-1 Columbia Mills Site Location.ppt



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.

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

LEACHATE COLLECTION SYSTEM SCHEMATIC

SCALE AS SHOWN

ARCADIS-US, INC.

SEPTEMBER 2011

FIGURE 3-1

N

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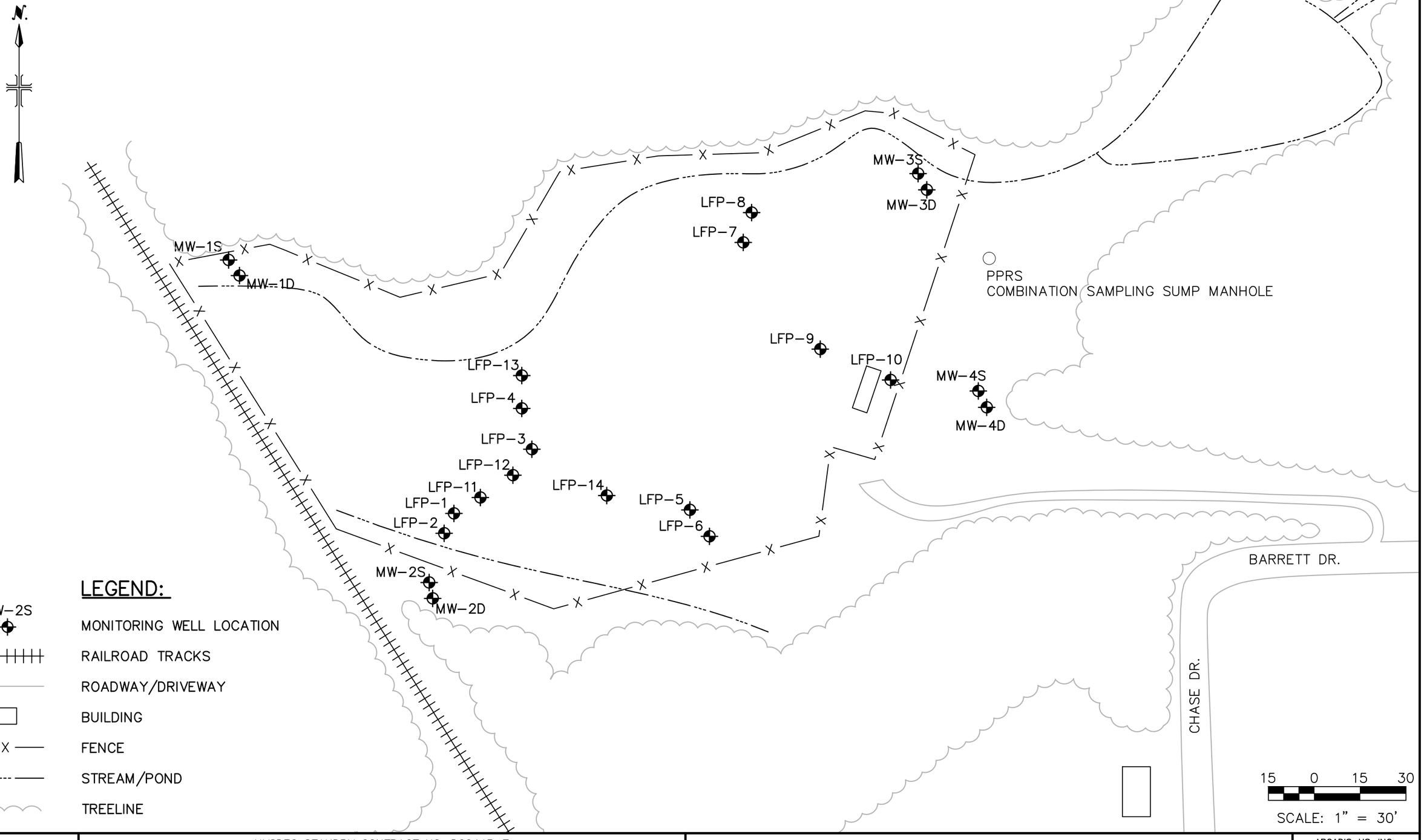
COLUMBIA MILLS SITE
MINETTO, NEW YORK
NYSDEC SITE NUMBER 7-38-012

PROCESS FLOW DIAGRAM
(NOT TO SCALE)

OCTOBER 2011

FIGURE 3-2



LEGEND:

- MW-2S — MONITORING WELL LOCATION
- RAILROAD TRACKS
- ROADWAY/DRIVEWAY
- BUILDING
- FENCE
- STREAM/POND
- TREELINE

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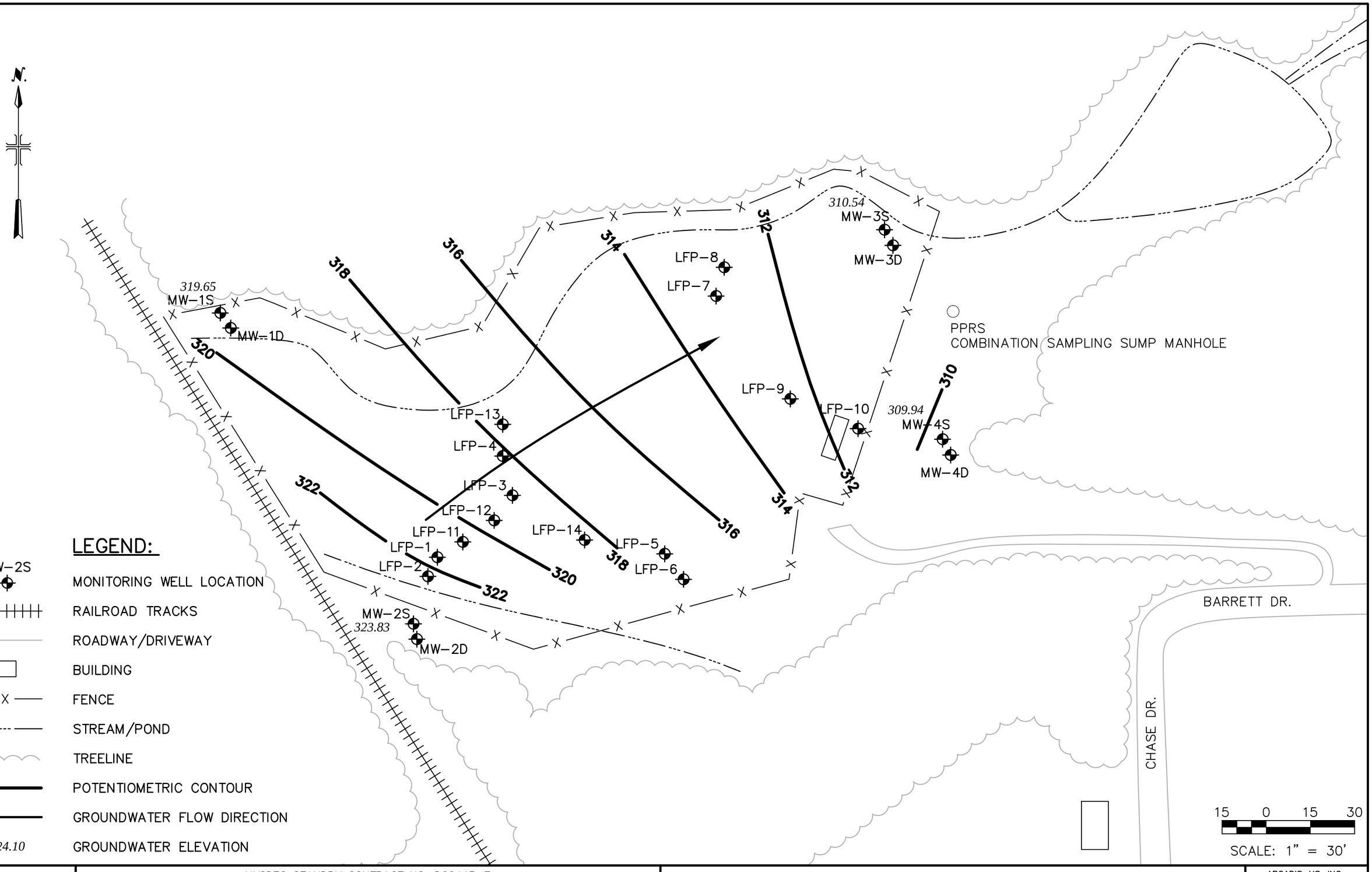
NYSDEC STANDBY CONTRACT NO. D00443-7
NYSDEC SITE NO. 7-38-012
COLUMBIA MILLS SITE
MINETTO, NEW YORK

GROUNDWATER MONITORING WELL LOCATIONS

SCALE: 1" = 40'

ARCADIS-US, INC.
SEPTEMBER 2011
FIGURE 4-1



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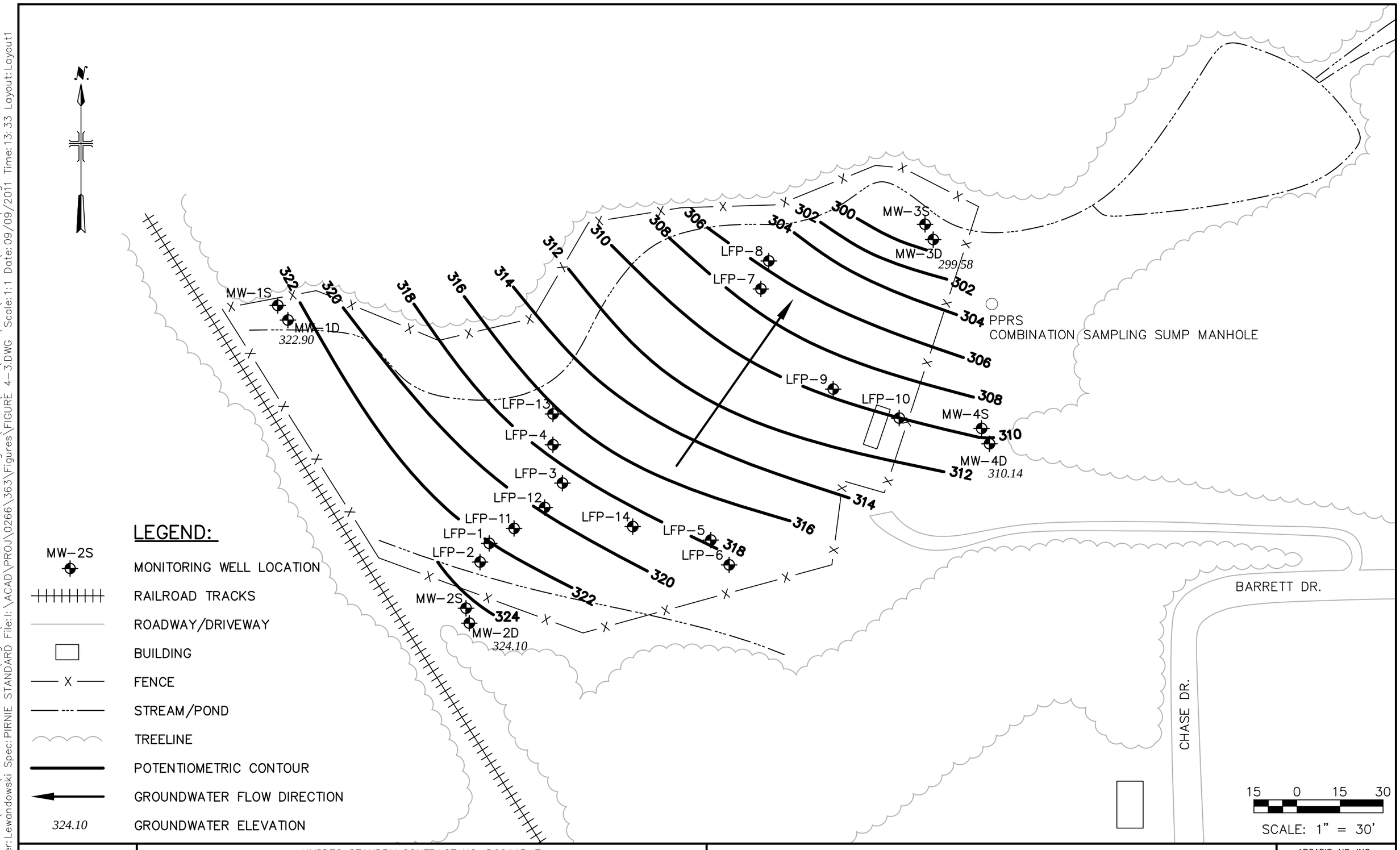
NYSDEC STANDBY CONTRACT NO. D00443-7
NYSDEC SITE NO. 7-38-012
COLUMBIA MILLS SITE
MINETTO, NEW YORK

SHALLOW POTENTIOMETRIC SURFACE (6/22/11)

SCALE: 1" = 40'

ARCADIS-US, INC.
SEPTEMBER 2011
FIGURE 4-2



LEGEND:

- MW-2S — MONITORING WELL LOCATION
- RAILROAD TRACKS
- ROADWAY/DRIVEWAY
- BUILDING
- FENCE
- STREAM/POND
- TREELINE
- POTENTIOMETRIC CONTOUR
- GROUNDWATER FLOW DIRECTION
- 324.10 — GROUNDWATER ELEVATION

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

DEEP POTENTIOMETRIC SURFACE (6/22/11)

SCALE: 1" = 40'

ARCADIS-US, INC.
SEPTEMBER 2011
FIGURE 4-3

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	North PPRS 6/19/2009 ug/L	North PPRS 3/25/2010 ug/L	North PPRS 6/22/2011 ug/L	South PPRS 6/19/2009 ug/L	South PPRS 3/25/2010 ug/L	South PPRS 6/22/2011 ug/L
Analyte										
PCB-1016	-	0.53 U	0.53 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PCB-1221	-	0.53 U	0.53 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PCB-1232	-	0.53 U	0.53 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PCB-1242	-	0.53 U	0.53 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PCB-1248	-	0.53 U	0.53 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PCB-1254	-	0.53 U	0.53 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
PCB-1260	-	0.53 U	0.53 U	0.5 U	0.5 U	0.5 U	0.5 U	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	Tank 10/2/2008 ug/L	Tank 3/25/2010 ug/L
Analyte			
PCB-1016	-	0.53 U	0.53 U
PCB-1221	-	1.1 U	0.53 U
PCB-1232	-	0.53 U	0.53 U
PCB-1242	-	0.53 U	0.53 U
PCB-1248	-	0.53 U	0.53 U
PCB-1254	-	0.53 U	0.53 U
PCB-1260	-	0.53 U	0.53 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	
		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
MW-1D	325.14	3.70	321.44	1.96	323.18	1.80	323.34	0.67	324.47	2.23	322.91
MW-2S	335.93	13.90	322.03	13.22	322.71	11.66	324.27	9.43	326.50	12.10	323.83
MW-2D	335.90	13.95	321.95	13.39	322.51	11.77	324.13	9.19	326.71	11.80	324.10
MW-3S	316.02	6.42	309.60	5.71	310.31	5.76	310.26	5.94	310.08	5.48	310.54
MW-3D	315.79	8.23	307.56	16.52	299.27	22.03	293.76	20.78	295.01	16.21	299.58
MW-4S	321.63	12.20	309.43	12.21	309.42	11.70	309.93	8.41	313.22	11.69	309.94
MW-4D	321.26	11.44	309.82	11.29	309.97	11.13	310.13	10.17	311.09	11.12	310.14
LFP-1	NA	19.15	-	18.74	-	18.36	-	18.00	-	18.30	-
LFP-2	NA	16.40	-	16.45	-	NM	-	13.12	-	Dry	-
LFP-3	NA	14.75	-	14.20	-	14.18	-	13.85	-	14.20	-
LFP-4	NA	13.57	-	13.40	-	13.24	-	13.28	-	13.25	-
LFP-5	NA	17.30	-	17.32	-	17.26	-	16.61	-	16.92	-
LFP-6	NA	14.50	-	14.19	-	13.44	-	12.40	-	13.40	-
LFP-7	NA	NM	-	Dry	-	NM	-	Dry	-	Dry	-
LFP-8	NA	13.92	-	13.54	-	13.21	-	12.39	-	13.30	-
LFP-9	NA	18.20	-	18.00	-	17.93	-	17.79	-	17.85	-
LFP-10	NA	15.18	-	14.90	-	14.90	-	14.81	-	14.89	-
LFP-11	NA	23.77	-	23.18	-	22.89	-	22.41	-	22.85	-
LFP-12	NA	NM	-	Dry	-	Dry	-	Dry	-	Dry	-
LFP-13	NA	Dry	-	6.33	-	6.50	-	5.48	-	6.60	-
LFP-14	NA	26.37	-	26.00	-	25.83	-	25.49	-	25.80	-

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
Analyte						
PCB-1016	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U
PCB-1221	-	1.1 U	1.1 U	0.52 U	0.53 U	0.5 U
PCB-1232	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U
PCB-1242	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U
PCB-1248	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U
PCB-1254	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 U
PCB-1260	-	0.54 U	0.53 U	0.52 U	0.53 U	0.5 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
Analyte						
PCB-1016	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U
PCB-1221	-	1.1 U	1.0 U	0.5 U	0.5 U	0.5 U
PCB-1232	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U
PCB-1242	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U
PCB-1248	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U
PCB-1254	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 U
PCB-1260	-	0.54 U	0.52 U	0.5 U	0.5 U	0.5 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
Analyte						
PCB-1016	-	0.56 U	0.54 U	0.5 U	NS	0.5 U
PCB-1221	-	1.1 U	1.1 U	0.5 U	NS	0.5 U
PCB-1232	-	0.56 U	0.54 U	0.5 U	NS	0.5 U
PCB-1242	-	0.56 U	0.54 U	0.5 U	NS	0.5 U
PCB-1248	-	0.56 U	0.54 U	0.5 U	NS	0.5 U
PCB-1254	-	0.56 U	0.54 U	0.5 U	NS	0.5 U
PCB-1260	-	0.56 U	0.54 U	0.5 U	NS	0.5 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
Analyte						
PCB-1016	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U
PCB-1221	-	1.1 U	1.1 U	0.5 U	0.53 U	0.5 U
PCB-1232	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U
PCB-1242	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U
PCB-1248	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U
PCB-1254	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 U
PCB-1260	-	0.56 U	0.55 U	0.5 U	0.53 U	0.5 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
Analyte						
PCB-1016	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U
PCB-1221	-	1.0 U	1.1 U	0.5 U	0.5 U	0.63 U
PCB-1232	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U
PCB-1242	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U
PCB-1248	-	0.40 J M	0.53 U	0.5 U	0.5 U	0.63 U
PCB-1254	-	0.50 U	0.53 U	0.5 U	0.5 U	0.63 U
PCB-1260	-	0.19 JMB	0.53 U	0.5 U	0.5 U	0.63 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
Analyte						
PCB-1016	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U
PCB-1221	-	1.0 U	1.9 U	0.54 U	0.54 U	0.5 U
PCB-1232	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U
PCB-1242	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U
PCB-1248	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U
PCB-1254	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 U
PCB-1260	-	0.5 U	0.93 U	0.54 U	0.54 U	0.5 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
Analyte						
PCB-1016	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U
PCB-1221	-	1.1 U	1.1 U	0.5 U	0.54 U	0.5 U
PCB-1232	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U
PCB-1242	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U
PCB-1248	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U
PCB-1254	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 U
PCB-1260	-	0.56 U	0.54 U	0.5 U	0.54 U	0.5 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
Analyte						
PCB-1016	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U
PCB-1221	-	1.2 U	1.0 U	0.5 U	0.52 U	0.5 U
PCB-1232	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U
PCB-1242	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U
PCB-1248	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U
PCB-1254	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 U
PCB-1260	-	0.61 U	0.52 U	0.5 U	0.52 U	0.5 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.

ARCADIS

Appendix **A**

Analytical Reporting Forms

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-15866-1

Job Description: NYSDEC Standby - Columbia Mills

For:
Malcolm Pirnie, Inc.
855 Route 146
Suite 210
Clifton Park, NY 12065

Attention: Mr. Bruce Nelson

Approved for release.
Cheryl Cascella
Project Manager I
7/1/2011 11:10 AM

Designee for
Jackie Trudell
Project Manager I
jackie.trudell@testamericainc.com
07/01/2011

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

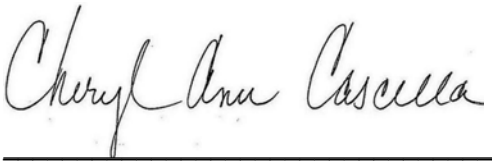
TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Number: 220-15866-1

Job Description: NYSDEC Standby - Columbia Mills

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Cheryl Cascella
Project Manager I
7/1/2011 11:10 AM

Designee for
Jackie Trudell

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Table of Contents

Job Narrative
220-15866-1

Comments
No additional comments.

Receipt
The following samples were received at the laboratory outside the required temperature criteria: . The client was contacted regarding this issue, and the laboratory was instructed to <<CHOOSE ONE>> proceed with/cancel analysis.

The following field QC sample was received at the laboratory without a sample collection time documented on the chain of custody: MW-X (220-15866-10). As a result, a sample collection time of 12:00am, on the date of collection, has been used.

Limited sample volume was provided for the following samples for the 8082 analysis: MW-3D (220-15866-11), MW-3S (220-15866-12).

All other samples were received in good condition within temperature requirements.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

$$\frac{(Ax)(IS)(DF)}{(AIS)(RRF)(V)(\%\ solids)} = C$$

$$\frac{(AX)(IS)(VT)(1000)(DF)}{(AIS)(RRF)(VA)(V)(\%\ solids)} = C \quad \text{(for medium level soils)}$$

SemiVolatiles

$$\frac{(AX)(IS)(VE)(DF)(GPC\ factor\ is\ 2\ if\ needed)}{(AIS)(RRF)(volume\ injected)(V)(\%\ solids)} = C$$

Pesticides

$$\frac{(AX)(VE)(DF)}{(RRF)(V)(\%\ solids)(volume\ injected)} = C$$

PCBs for compound/retention time

$$\frac{(AX)(VE)(DF)}{(RRF\ of\ compound\ at\ the\ stated\ retention\ time)(V)(\%\ solids)(volume\ injected)} = C$$

DRO/CTETPH

$$\frac{(AX)(VE)(DF)}{(RRF)(V)(\%\ solids)(volume\ injected)} = C$$

AX = area of the target Ion
AIS = Area of Internal standard
C = concentration as ug/L or ug/Kg
DF = dilution
IS = Internal standard concentration (ng)
RRF = average RF (from initial cal except CLP methods from continuing cal)
V = sample volume for liquids in mls or sample weight for solids in grams
VA = volume of aliquot for medium level soils
VE = volume of concentrated extract
VT = volume of methanol for volatile medium level soils

SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-15866-1	MW-1D	Water	06/22/2011 1130	06/24/2011 1010
220-15866-2	MW-4S	Water	06/22/2011 1225	06/24/2011 1010
220-15866-3	MW-4D	Water	06/22/2011 1450	06/24/2011 1010
220-15866-3MS	MW-4D	Water	06/22/2011 1450	06/24/2011 1010
220-15866-3MSD	MW-4D	Water	06/22/2011 1450	06/24/2011 1010
220-15866-4	NORTH PPRS	Water	06/22/2011 1640	06/24/2011 1010
220-15866-5	SOUTH PPRS	Water	06/22/2011 1650	06/24/2011 1010
220-15866-6	LEACHATE PPRS	Water	06/22/2011 1750	06/24/2011 1010
220-15866-7	MW-1S	Water	06/22/2011 1230	06/24/2011 1010
220-15866-8	MW-2D	Water	06/22/2011 1615	06/24/2011 1010
220-15866-9	MW-2S	Water	06/22/2011 1730	06/24/2011 1010
220-15866-10	MW-X	Water	06/22/2011 0000	06/24/2011 1010
220-15866-11	MW-3D	Water	06/23/2011 0740	06/24/2011 1010
220-15866-12	MW-3S	Water	06/23/2011 0800	06/24/2011 1010

EXECUTIVE SUMMARY - Detections

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

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

No Detections

METHOD SUMMARY

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

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

Lab References:

TAL CT = TestAmerica Connecticut

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. Job Number: 220-15866-1

Method	Analyst	Analyst ID
SW846 8082	Puccino, Tracy	TP

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-1D

Lab Sample ID: 220-15866-1 Date Sampled: 06/22/2011 1130
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 0947			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		22 - 145
DCB Decachlorobiphenyl	108		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-4S

Lab Sample ID: 220-15866-2 Date Sampled: 06/22/2011 1225
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1006			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	78		22 - 145
DCB Decachlorobiphenyl	79		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: **MW-4D**

Lab Sample ID: 220-15866-3 Date Sampled: 06/22/2011 1450
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1025			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		22 - 145
DCB Decachlorobiphenyl	103		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: **NORTH PPRS**

Lab Sample ID: 220-15866-4 Date Sampled: 06/22/2011 1640
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1122			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		22 - 145
DCB Decachlorobiphenyl	119		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: **SOUTH PPRS**

Lab Sample ID: 220-15866-5 Date Sampled: 06/22/2011 1650
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1141			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		22 - 145
DCB Decachlorobiphenyl	105		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: LEACHATE PPRS

Lab Sample ID: 220-15866-6 Date Sampled: 06/22/2011 1750
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1200			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		22 - 145
DCB Decachlorobiphenyl	88		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-1S

Lab Sample ID: 220-15866-7 Date Sampled: 06/22/2011 1230
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1219			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		22 - 145
DCB Decachlorobiphenyl	87		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-2D

Lab Sample ID: 220-15866-8 Date Sampled: 06/22/2011 1615
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1237			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	80		22 - 145
DCB Decachlorobiphenyl	49		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-2S

Lab Sample ID: 220-15866-9 Date Sampled: 06/22/2011 1730
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1256			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		22 - 145
DCB Decachlorobiphenyl	74		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-X

Lab Sample ID: 220-15866-10 Date Sampled: 06/22/2011 0000
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1315			Injection Volume:	1 uL
Prep Date:	06/28/2011 1330			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		22 - 145
DCB Decachlorobiphenyl	92		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-3D

Lab Sample ID: 220-15866-11 Date Sampled: 06/23/2011 0740
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	1000 mL
Dilution:	1.0			Final Weight/Volume:	10.0 mL
Analysis Date:	06/29/2011 1334			Injection Volume:	1 uL
Prep Date:	06/28/2011 1333			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	86		22 - 145
DCB Decachlorobiphenyl	90		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Client Sample ID: MW-3S

Lab Sample ID: 220-15866-12 Date Sampled: 06/23/2011 0800
Client Matrix: Water Date Received: 06/24/2011 1010

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	220-52430	Instrument ID:	GC9
Prep Method:	3510C	Prep Batch:	220-52368	Initial Weight/Volume:	400 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Analysis Date:	06/29/2011 1353			Injection Volume:	1 uL
Prep Date:	06/28/2011 1333			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.63	U	0.063	0.63
PCB-1221	0.63	U	0.063	0.63
PCB-1232	0.63	U	0.063	0.63
PCB-1242	0.63	U	0.063	0.63
PCB-1248	0.63	U	0.063	0.63
PCB-1254	0.63	U	0.10	0.63
PCB-1260	0.63	U	0.10	0.63

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	84		22 - 145
DCB Decachlorobiphenyl	85		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
220-15866-1	MW-1D	83	108
220-15866-2	MW-4S	78	79
220-15866-3	MW-4D	89	103
220-15866-4	NORTH PPRS	87	119
220-15866-5	SOUTH PPRS	84	105
220-15866-6	LEACHATE PPRS	79	88
220-15866-7	MW-1S	87	87
220-15866-8	MW-2D	80	49
220-15866-9	MW-2S	90	74
220-15866-10	MW-X	89	92
220-15866-11	MW-3D	86	90
220-15866-12	MW-3S	84	85
MB 220-52368/1-A		71	84
LCS 220-52368/2-A		73	61
220-15866-3 MS	MW-4D MS	76	88
220-15866-3 MSD	MW-4D MSD	82	104

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	22-145
DCB = DCB Decachlorobiphenyl	29-135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Method Blank - Batch: 220-52368

Method: 8082
Preparation: 3510C

Lab Sample ID:	MB 220-52368/1-A	Analysis Batch:	220-52430	Instrument ID:	GC9
Client Matrix:	Water	Prep Batch:	220-52368	Lab File ID:	D9162091.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/29/2011 0909	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	06/28/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	71	22 - 145
DCB Decachlorobiphenyl	84	29 - 135

Lab Control Sample - Batch: 220-52368

Method: 8082
Preparation: 3510C

Lab Sample ID:	LCS 220-52368/2-A	Analysis Batch:	220-52430	Instrument ID:	GC9
Client Matrix:	Water	Prep Batch:	220-52368	Lab File ID:	D9162092.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/29/2011 0928	Units:	ug/L	Final Weight/Volume:	10.0 mL
Prep Date:	06/28/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	5.00	3.67	73	47 - 120	
PCB-1260	5.00	3.56	71	38 - 120	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	73	22 - 145
DCB Decachlorobiphenyl	61	29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52368

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	220-15866-3	Analysis Batch:	220-52430	Instrument ID:	GC9
Client Matrix:	Water	Prep Batch:	220-52368	Lab File ID:	D9162096.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/29/2011 1044			Final Weight/Volume:	10.0 mL
Prep Date:	06/28/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	220-15866-3	Analysis Batch:	220-52430	Instrument ID:	GC9
Client Matrix:	Water	Prep Batch:	220-52368	Lab File ID:	D9162097.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	06/29/2011 1103			Final Weight/Volume:	10.0 mL
Prep Date:	06/28/2011 1330			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	77	86	47 - 120	11	30		
PCB-1260	76	89	38 - 120	17	27		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	76	82	22 - 145
DCB Decachlorobiphenyl	88	104	29 - 135

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-52368

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	220-15866-3	Units:	ug/L	MSD Lab Sample ID:	220-15866-3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/29/2011 1044			Analysis Date:	06/29/2011 1103
Prep Date:	06/28/2011 1330			Prep Date:	06/28/2011 1330
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	0.50	U	2.00	2.00	1.54	1.73
PCB-1260	0.50	U	2.00	2.00	1.51	1.79

DATA REPORTING QUALIFIERS

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 220-52368					
LCS 220-52368/2-A	Lab Control Sample	T	Water	3510C	
MB 220-52368/1-A	Method Blank	T	Water	3510C	
220-15866-1	MW-1D	T	Water	3510C	
220-15866-2	MW-4S	T	Water	3510C	
220-15866-3	MW-4D	T	Water	3510C	
220-15866-3MS	Matrix Spike	T	Water	3510C	
220-15866-3MSD	Matrix Spike Duplicate	T	Water	3510C	
220-15866-4	NORTH PPRS	T	Water	3510C	
220-15866-5	SOUTH PPRS	T	Water	3510C	
220-15866-6	LEACHATE PPRS	T	Water	3510C	
220-15866-7	MW-1S	T	Water	3510C	
220-15866-8	MW-2D	T	Water	3510C	
220-15866-9	MW-2S	T	Water	3510C	
220-15866-10	MW-X	T	Water	3510C	
220-15866-11	MW-3D	T	Water	3510C	
220-15866-12	MW-3S	T	Water	3510C	
Analysis Batch:220-52430					
LCS 220-52368/2-A	Lab Control Sample	T	Water	8082	220-52368
MB 220-52368/1-A	Method Blank	T	Water	8082	220-52368
220-15866-1	MW-1D	T	Water	8082	220-52368
220-15866-2	MW-4S	T	Water	8082	220-52368
220-15866-3	MW-4D	T	Water	8082	220-52368
220-15866-3MS	Matrix Spike	T	Water	8082	220-52368
220-15866-3MSD	Matrix Spike Duplicate	T	Water	8082	220-52368
220-15866-4	NORTH PPRS	T	Water	8082	220-52368
220-15866-5	SOUTH PPRS	T	Water	8082	220-52368
220-15866-6	LEACHATE PPRS	T	Water	8082	220-52368
220-15866-7	MW-1S	T	Water	8082	220-52368
220-15866-8	MW-2D	T	Water	8082	220-52368
220-15866-9	MW-2S	T	Water	8082	220-52368
220-15866-10	MW-X	T	Water	8082	220-52368
220-15866-11	MW-3D	T	Water	8082	220-52368
220-15866-12	MW-3S	T	Water	8082	220-52368

Report Basis
T = Total

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Laboratory Chronicle

Lab ID: 220-15866-1 **Client ID: MW-1D**

Sample Date/Time: 06/22/2011 11:30 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-1-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-A-1-A		220-52430	220-52368	06/29/2011 09:47	1	TAL CT	TP

Lab ID: 220-15866-2 **Client ID: MW-4S**

Sample Date/Time: 06/22/2011 12:25 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-C-2-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-C-2-A		220-52430	220-52368	06/29/2011 10:06	1	TAL CT	TP

Lab ID: 220-15866-3 **Client ID: MW-4D**

Sample Date/Time: 06/22/2011 14:50 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-B-3-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-B-3-A		220-52430	220-52368	06/29/2011 10:25	1	TAL CT	TP

Lab ID: 220-15866-3 **Client ID: MW-4D**

Sample Date/Time: 06/22/2011 14:50 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-3-A MS		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-A-3-A MS		220-52430	220-52368	06/29/2011 10:44	1	TAL CT	TP

Lab ID: 220-15866-3 **Client ID: MW-4D**

Sample Date/Time: 06/22/2011 14:50 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-B-3-B MSD		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-B-3-B MSD		220-52430	220-52368	06/29/2011 11:03	1	TAL CT	TP

Lab ID: 220-15866-4 **Client ID: NORTH PPRS**

Sample Date/Time: 06/22/2011 16:40 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-B-4-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-B-4-A		220-52430	220-52368	06/29/2011 11:22	1	TAL CT	TP

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Laboratory Chronicle

Lab ID: 220-15866-5 **Client ID: SOUTH PPRS**

Sample Date/Time: 06/22/2011 16:50 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-5-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-A-5-A		220-52430	220-52368	06/29/2011 11:41	1	TAL CT	TP

Lab ID: 220-15866-6 **Client ID: LEACHATE PPRS**

Sample Date/Time: 06/22/2011 17:50 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-6-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-A-6-A		220-52430	220-52368	06/29/2011 12:00	1	TAL CT	TP

Lab ID: 220-15866-7 **Client ID: MW-1S**

Sample Date/Time: 06/22/2011 12:30 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-7-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-A-7-A		220-52430	220-52368	06/29/2011 12:19	1	TAL CT	TP

Lab ID: 220-15866-8 **Client ID: MW-2D**

Sample Date/Time: 06/22/2011 16:15 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-8-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-A-8-A		220-52430	220-52368	06/29/2011 12:37	1	TAL CT	TP

Lab ID: 220-15866-9 **Client ID: MW-2S**

Sample Date/Time: 06/22/2011 17:30 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-B-9-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-B-9-A		220-52430	220-52368	06/29/2011 12:56	1	TAL CT	TP

Lab ID: 220-15866-10 **Client ID: MW-X**

Sample Date/Time: 06/22/2011 00:00 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-B-10-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	220-15866-B-10-A		220-52430	220-52368	06/29/2011 13:15	1	TAL CT	TP

Client: Malcolm Pirnie, Inc. Job Number: 220-15866-1

Laboratory Chronicle

Lab ID: 220-15866-11 **Client ID: MW-3D**

Sample Date/Time: 06/23/2011 07:40 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-11-A		220-52430	220-52368	06/28/2011 13:33	1	TAL CT	GHP
A:8082	220-15866-A-11-A		220-52430	220-52368	06/29/2011 13:34	1	TAL CT	TP

Lab ID: 220-15866-12 **Client ID: MW-3S**

Sample Date/Time: 06/23/2011 08:00 Received Date/Time: 06/24/2011 10:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-15866-A-12-A		220-52430	220-52368	06/28/2011 13:33	1	TAL CT	GHP
A:8082	220-15866-A-12-A		220-52430	220-52368	06/29/2011 13:53	1	TAL CT	TP

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 220-52368/1-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	MB 220-52368/1-A		220-52430	220-52368	06/29/2011 09:09	1	TAL CT	TP

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 220-52368/2-A		220-52430	220-52368	06/28/2011 13:30	1	TAL CT	GHP
A:8082	LCS 220-52368/2-A		220-52430	220-52368	06/29/2011 09:28	1	TAL CT	TP

Lab References:
TAL CT = TestAmerica Connecticut

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): RTX-CLPII ID:

Client Sample ID	Lab Sample ID	TCX2 #	DCB2 #
MW-1D	220-15866-1	83	108
MW-4S	220-15866-2	78	79
MW-4D	220-15866-3	89	103
NORTH PPRS	220-15866-4	87	119
SOUTH PPRS	220-15866-5	84	105
LEACHATE PPRS	220-15866-6	79	88
MW-1S	220-15866-7	87	87
MW-2D	220-15866-8	80	49
MW-2S	220-15866-9	90	74
MW-X	220-15866-10	89	92
MW-3D	220-15866-11	86	90
MW-3S	220-15866-12	84	85
	MB 220-52368/1-A	71	84
	LCS 220-52368/2-A	73	61
MW-4D MS	220-15866-3 MS	76	88
MW-4D MSD	220-15866-3 MSD	82	104

	QC LIMITS
TCX = Tetrachloro-m-xylene	22-145
DCB = DCB Decachlorobiphenyl	29-135

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D9162092.D

Lab ID: LCS 220-52368/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	5.00	3.67	73	47-120	
PCB-1260	5.00	3.56	71	38-120	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D9162096.D

Lab ID: 220-15866-3 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	2.00	0.50 U	1.54	77	47-120	
PCB-1260	2.00	0.50 U	1.51	76	38-120	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D9162097.D

Lab ID: 220-15866-3 MSD Client ID: MW-4D MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2.00	1.73	86	11	30	47-120	
PCB-1260	2.00	1.79	89	17	27	38-120	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Lab Sample ID: MB 220-52368/1-A

Matrix: Water Date Extracted: 06/28/2011 13:30

Lab File ID:(1) Lab File ID:(2) D9162091.D

Date Analyzed:(1) Date Analyzed:(2) 06/29/2011 09:09

Instrument ID:(1) Instrument ID:(2) GC9

GC Column:(1) ID: GC Column:(2) RTX-CLPII ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 220-52368/2-A		06/29/2011 09:28
MW-1D	220-15866-1		06/29/2011 09:47
MW-4S	220-15866-2		06/29/2011 10:06
MW-4D	220-15866-3		06/29/2011 10:25
MW-4D MS	220-15866-3 MS		06/29/2011 10:44
MW-4D MSD	220-15866-3 MSD		06/29/2011 11:03
NORTH PPRS	220-15866-4		06/29/2011 11:22
SOUTH PPRS	220-15866-5		06/29/2011 11:41
LEACHATE PPRS	220-15866-6		06/29/2011 12:00
MW-1S	220-15866-7		06/29/2011 12:19
MW-2D	220-15866-8		06/29/2011 12:37
MW-2S	220-15866-9		06/29/2011 12:56
MW-X	220-15866-10		06/29/2011 13:15
MW-3D	220-15866-11		06/29/2011 13:34
MW-3S	220-15866-12		06/29/2011 13:53

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Instrument ID: GC9 Calibration Start Date: 06/24/2011 12:03

GC Column: RTX-CLPII ID: Calibration End Date: 06/24/2011 13:37

Calibration ID: 11288

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE MEAN RT				2.47	9.30	
UPPER LIMIT				2.52	9.35	
LOWER LIMIT				2.42	9.25	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRTAV 220-52284/1		06/24/2011 12:03	D9162001.D	2.47	9.30	
IC 220-52284/2		06/24/2011 12:22	D9162002.D	2.47	9.30	
IC 220-52284/3		06/24/2011 12:41	D9162003.D	2.47	9.30	
IC 220-52284/4		06/24/2011 13:00	D9162004.D	2.47	9.30	
IC 220-52284/5		06/24/2011 13:19	D9162005.D	2.47	9.30	
IC 220-52284/6		06/24/2011 13:37	D9162006.D	2.47	9.30	
IC 220-52284/7		06/24/2011 13:56	D9162007.D			
IC 220-52284/8		06/24/2011 14:15	D9162008.D			
IC 220-52284/9		06/24/2011 14:34	D9162009.D			
IC 220-52284/10		06/24/2011 14:53	D9162010.D			
IC 220-52284/11		06/24/2011 15:12	D9162011.D			
CCV 220-52430/1		06/29/2011 08:25	D9162089.D	2.46	9.30	
PIBLK 220-52430/2		06/29/2011 08:50	D9162090.D	2.47	9.30	
MB 220-52368/1-A		06/29/2011 09:09	D9162091.D	2.47	9.30	
LCS 220-52368/2-A		06/29/2011 09:28	D9162092.D	2.47	9.30	
220-15866-1	MW-1D	06/29/2011 09:47	D9162093.D	2.47	9.30	
220-15866-2	MW-4S	06/29/2011 10:06	D9162094.D	2.47	9.30	
220-15866-3	MW-4D	06/29/2011 10:25	D9162095.D	2.47	9.30	
220-15866-3 MS	MW-4D MS	06/29/2011 10:44	D9162096.D	2.47	9.30	
220-15866-3 MSD	MW-4D MSD	06/29/2011 11:03	D9162097.D	2.47	9.30	
220-15866-4	NORTH PPRS	06/29/2011 11:22	D9162098.D	2.47	9.30	
220-15866-5	SOUTH PPRS	06/29/2011 11:41	D9162099.D	2.47	9.30	
220-15866-6	LEACHATE PPRS	06/29/2011 12:00	D9162100.D	2.47	9.30	
220-15866-7	MW-1S	06/29/2011 12:19	D9162101.D	2.47	9.30	
220-15866-8	MW-2D	06/29/2011 12:37	D9162102.D	2.47	9.30	
220-15866-9	MW-2S	06/29/2011 12:56	D9162103.D	2.47	9.30	
220-15866-10	MW-X	06/29/2011 13:15	D9162104.D	2.47	9.30	
220-15866-11	MW-3D	06/29/2011 13:34	D9162105.D	2.47	9.30	
220-15866-12	MW-3S	06/29/2011 13:53	D9162106.D	2.47	9.30	

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Instrument ID: GC9 Calibration Start Date: 06/24/2011 12:03

GC Column: RTX-CLPII ID: Calibration End Date: 06/24/2011 13:37

Calibration ID: 11288

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE MEAN RT				2.47	9.30	
UPPER LIMIT				2.52	9.35	
LOWER LIMIT				2.42	9.25	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 220-52430/19		06/29/2011 14:12	D9162107.D	2.47	9.30	
PIBLK 220-52430/20		06/29/2011 14:31	D9162108.D	2.47	9.30	

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-4D MS Lab Sample ID: 220-15866-3 MS

Instrument ID (1): Instrument ID (2): GC9

Date Analyzed (1): Date Analyzed (2): 06/29/2011 10:44

GC Column (1): ID: GC Column (2): RTX-CLPII ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	3.16	3.11	3.21	1.48	1.54	
		2	3.75	3.70	3.80	1.66		
		3	4.42	4.37	4.47	1.57		
		4	4.61	4.57	4.67	1.61		
		5	5.49	5.45	5.55	1.41		
PCB-1260	2	1	7.84	7.79	7.89	1.67	1.51	
		2	8.16	8.11	8.21	1.44		
		3	8.35	8.30	8.40	1.46		
		4	8.59	8.55	8.65	1.57		
		5	8.96	8.91	9.01	1.43		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-4D MSD Lab Sample ID: 220-15866-3 MSD

Instrument ID (1): Instrument ID (2): GC9

Date Analyzed (1): Date Analyzed (2): 06/29/2011 11:03

GC Column (1): ID: GC Column (2): RTX-CLPII ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	3.16	3.11	3.21	1.65	1.73	
		2	3.75	3.70	3.80	1.80		
		3	4.42	4.37	4.47	1.76		
		4	4.61	4.57	4.67	1.81		
		5	5.49	5.45	5.55	1.61		
PCB-1260	2	1	7.84	7.79	7.89	1.95	1.79	
		2	8.15	8.11	8.21	1.69		
		3	8.35	8.30	8.40	1.67		
		4	8.59	8.55	8.65	1.90		
		5	8.96	8.91	9.01	1.74		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 220-52368/2-A

Instrument ID (1): Instrument ID (2): GC9

Date Analyzed (1): Date Analyzed (2): 06/29/2011 09:28

GC Column (1): ID: GC Column (2): RTX-CLPII ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	3.16	3.11	3.21	3.49	3.67	
		2	3.75	3.70	3.80	3.82		
		3	4.42	4.37	4.47	3.82		
		4	4.61	4.57	4.67	3.78		
		5	5.49	5.45	5.55	3.43		
PCB-1260	2	1	7.84	7.79	7.89	4.04	3.56	
		2	8.16	8.11	8.21	3.45		
		3	8.35	8.30	8.40	3.49		
		4	8.59	8.55	8.65	3.53		
		5	8.96	8.91	9.01	3.28		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-1D Lab Sample ID: 220-15866-1

Matrix: Water Lab File ID: D9162093.D

Analysis Method: 8082 Date Collected: 06/22/2011 11:30

Extraction Method: 3510C Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 06/29/2011 09:47

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		22-145
2051-24-3	DCB Decachlorobiphenyl	108		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162093.D
Lab Smp Id: 220-15866-A-1-A Client Smp ID: MW-1D
Inj Date : 29-JUN-2011 09:47
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-1-A
Misc Info : 220-15866-A-1-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.470	2.469	0.001	946191	0.01667	0.167		
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	668774	0.02156	0.216		

Data File: D9162093.D

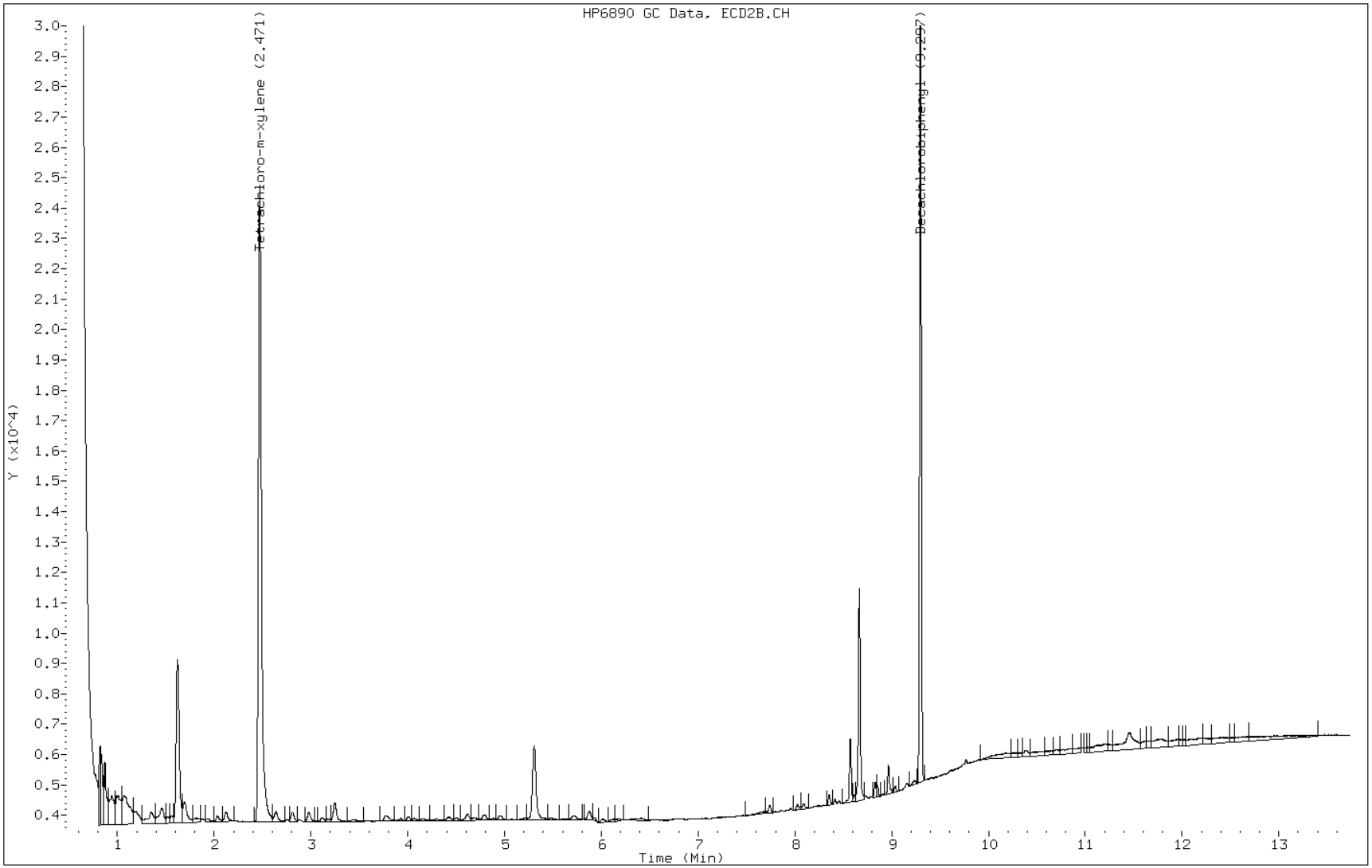
Date: 29-JUN-2011 09:47

Client ID: MW-1D

Instrument: hp6890-9.i

Sample Info: 220-15866-A-1-A

Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-4S Lab Sample ID: 220-15866-2

Matrix: Water Lab File ID: D9162094.D

Analysis Method: 8082 Date Collected: 06/22/2011 12:25

Extraction Method: 3510C Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 06/29/2011 10:06

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	78		22-145
2051-24-3	DCB Decachlorobiphenyl	79		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162094.D
Lab Smp Id: 220-15866-C-2-A Client Smp ID: MW-4S
Inj Date : 29-JUN-2011 10:06
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-C-2-A
Misc Info : 220-15866-C-2-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.470	2.469	0.001	882598	0.01555	0.156		
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	488563	0.01575	0.158		

Data File: D9162094.D

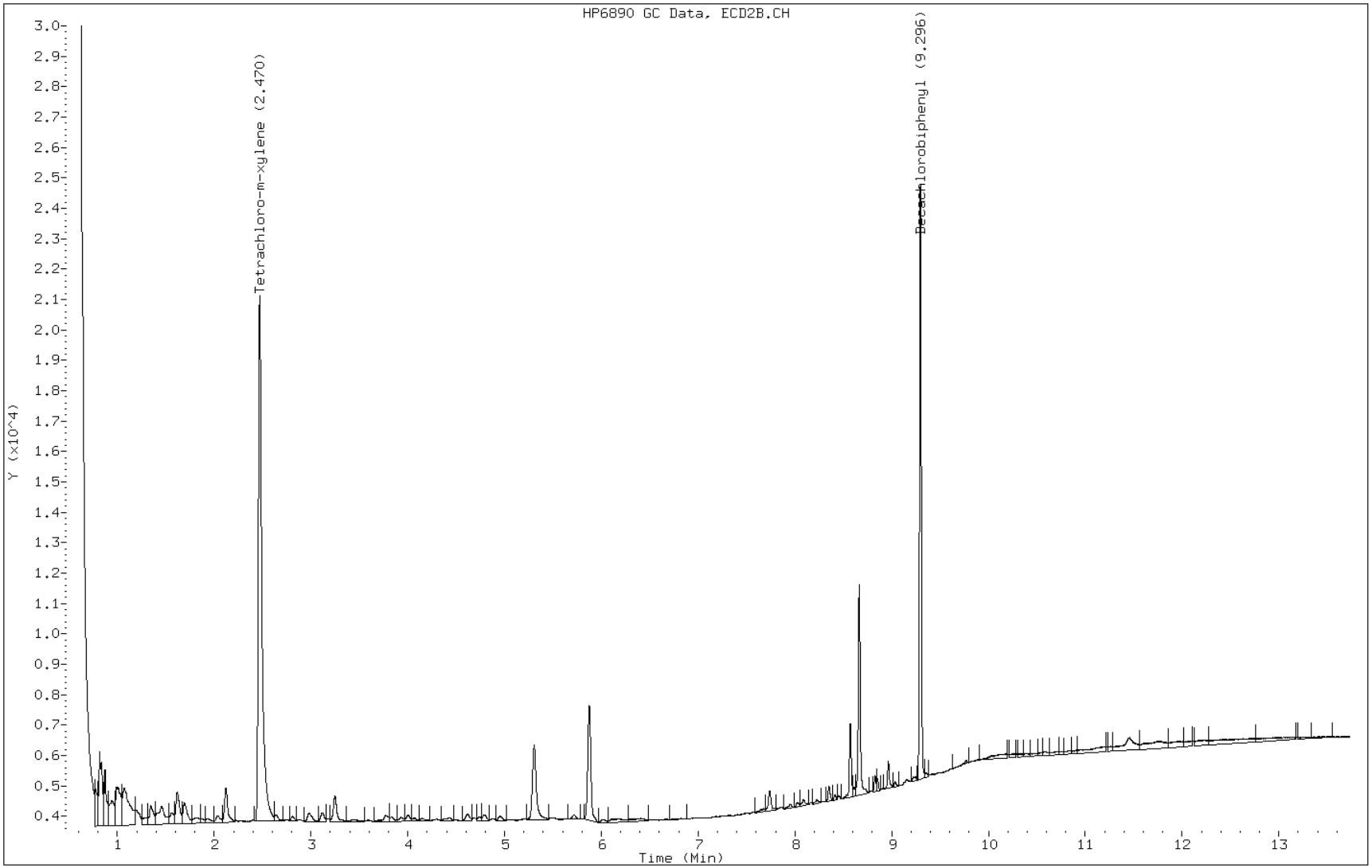
Date: 29-JUN-2011 10:06

Client ID: MW-4S

Instrument: hp6890-9.i

Sample Info: 220-15866-C-2-A

Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-4D | Lab Sample ID: 220-15866-3

Matrix: Water | Lab File ID: D9162095.D

Analysis Method: 8082 | Date Collected: 06/22/2011 14:50

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 10:25

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		22-145
2051-24-3	DCB Decachlorobiphenyl	103		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162095.D
Lab Smp Id: 220-15866-B-3-A Client Smp ID: MW-4D
Inj Date : 29-JUN-2011 10:25
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-B-3-A
Misc Info : 220-15866-B-3-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.467	2.469	-0.002	1009135	0.01778	0.178		
$ 34 Decachlorobiphenyl					CAS #:		
9.295	9.299	-0.004	638608	0.02059	0.206		

Data File: D9162095.D

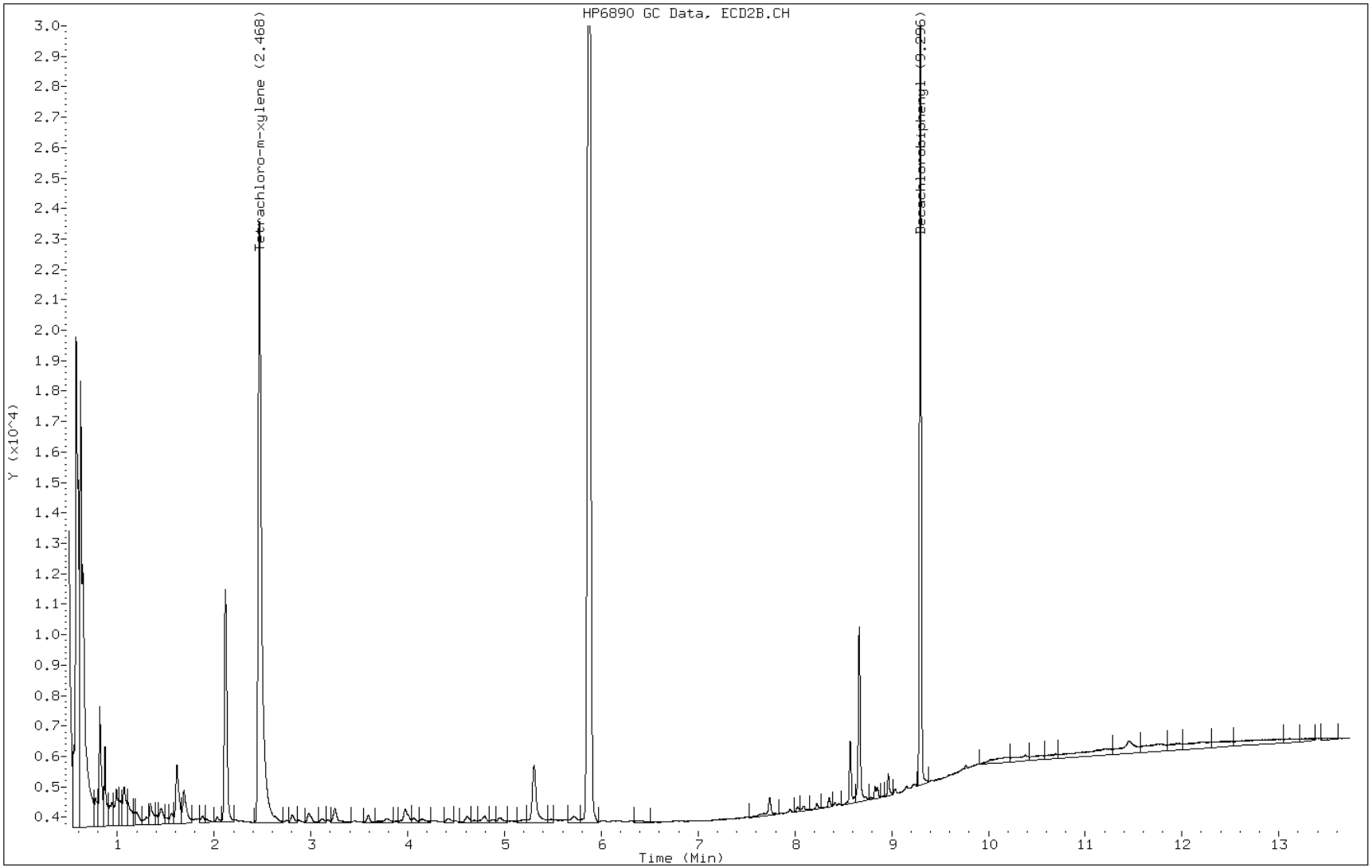
Date: 29-JUN-2011 10:25

Client ID: MW-4D

Instrument: hp6890-9.i

Sample Info: 220-15866-B-3-A

Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: NORTH PPRS Lab Sample ID: 220-15866-4

Matrix: Water Lab File ID: D9162098.D

Analysis Method: 8082 Date Collected: 06/22/2011 16:40

Extraction Method: 3510C Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 06/29/2011 11:22

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		22-145
2051-24-3	DCB Decachlorobiphenyl	119		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162098.D
Lab Smp Id: 220-15866-B-4-A Client Smp ID: NORTH PPRS
Inj Date : 29-JUN-2011 11:22
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-B-4-A
Misc Info : 220-15866-B-4-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.470	2.469	0.001	986333	0.01738	0.174		
$ 34 Decachlorobiphenyl					CAS #:		
9.295	9.299	-0.004	741116	0.02389	0.239		

Data File: D9162098.D

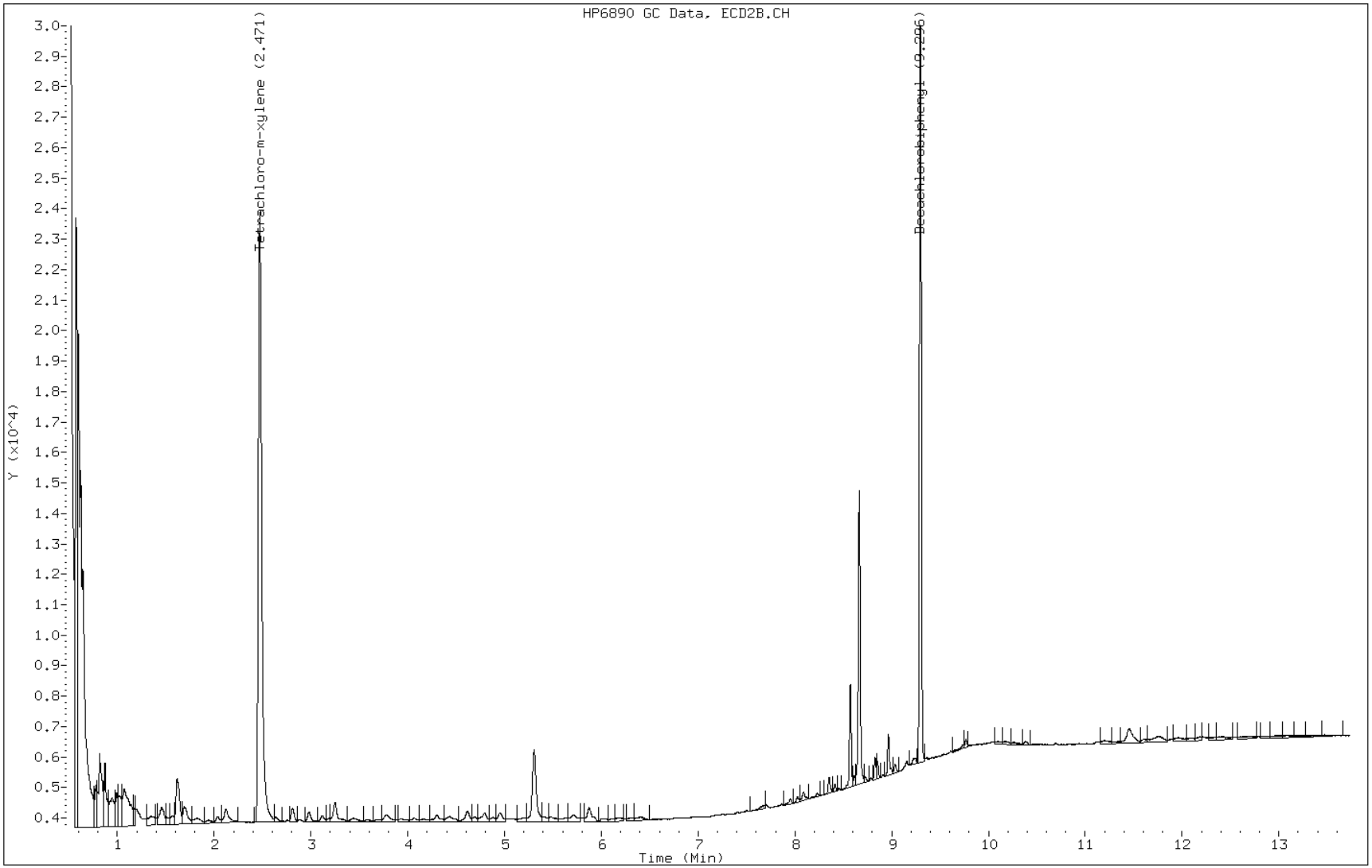
Date: 29-JUN-2011 11:22

Client ID: NORTH PPRS

Instrument: hp6890-9.i

Sample Info: 220-15866-B-4-A

Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: SOUTH PPRS Lab Sample ID: 220-15866-5

Matrix: Water Lab File ID: D9162099.D

Analysis Method: 8082 Date Collected: 06/22/2011 16:50

Extraction Method: 3510C Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 06/29/2011 11:41

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		22-145
2051-24-3	DCB Decachlorobiphenyl	105		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162099.D
Lab Smp Id: 220-15866-A-5-A Client Smp ID: SOUTH PPRS
Inj Date : 29-JUN-2011 11:41
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-5-A
Misc Info : 220-15866-A-5-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.469	2.469	0.000	959178	0.01690	0.169		(M)
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	652721	0.02104	0.210		

QC Flag Legend

M - Compound response manually integrated.

Data File: D9162099.D

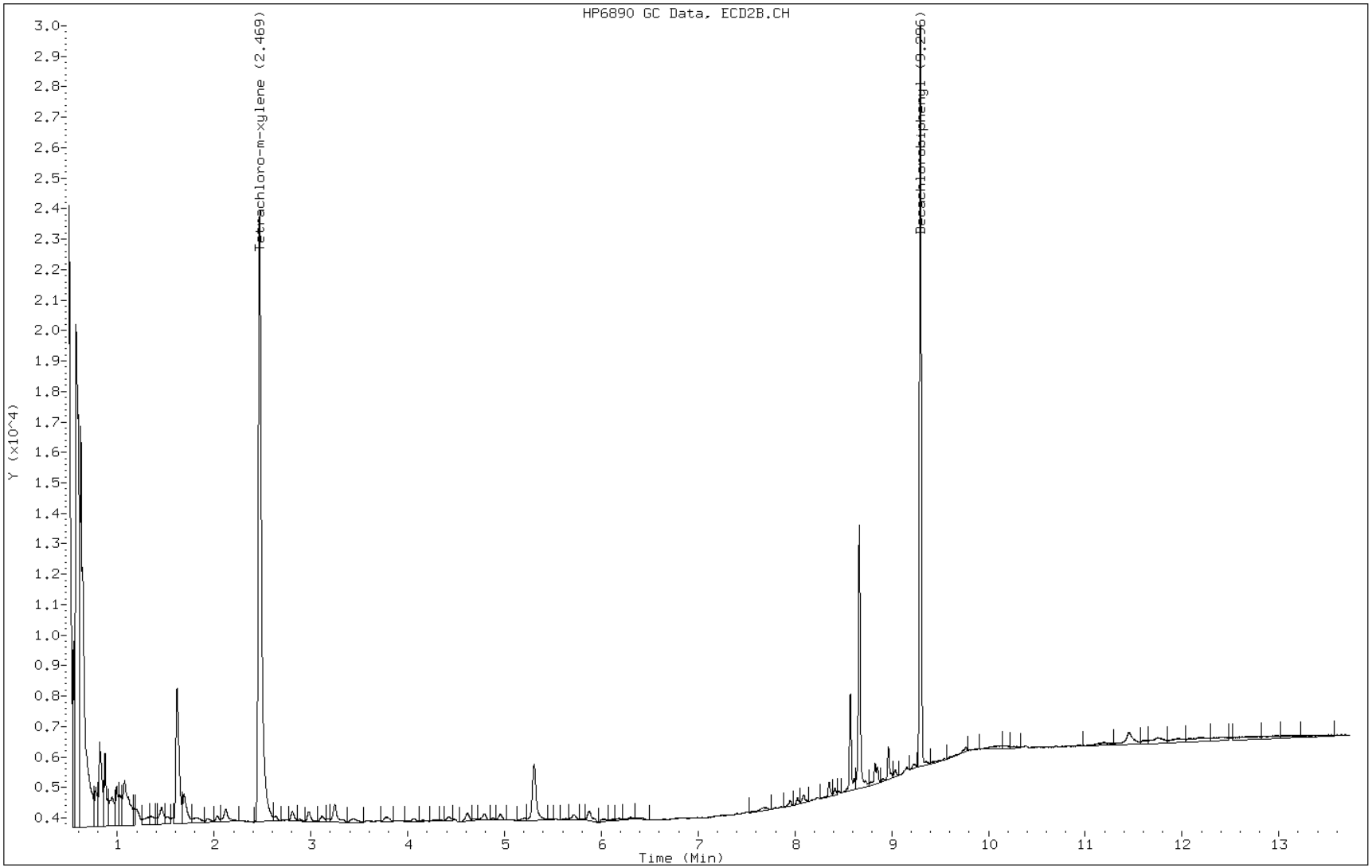
Date: 29-JUN-2011 11:41

Client ID: SOUTH PPRS

Instrument: hp6890-9.i

Sample Info: 220-15866-A-5-A

Operator: Tracy Puccino



Manual Integration Report

Data File: D9162099.D
Inj. Date and Time: 29-JUN-2011 11:41
Instrument ID: hp6890-9.i
Client ID: SOUTH PPRS
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 06/29/2011

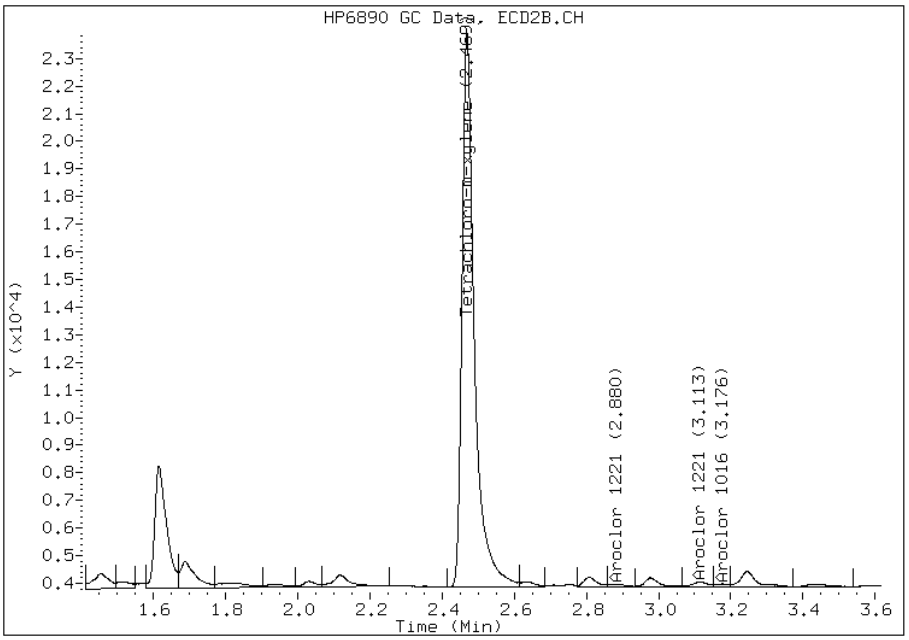
Processing Integration Results

RT: 2.47

Response: 963291

Amount: 0.02

Conc: 0.17



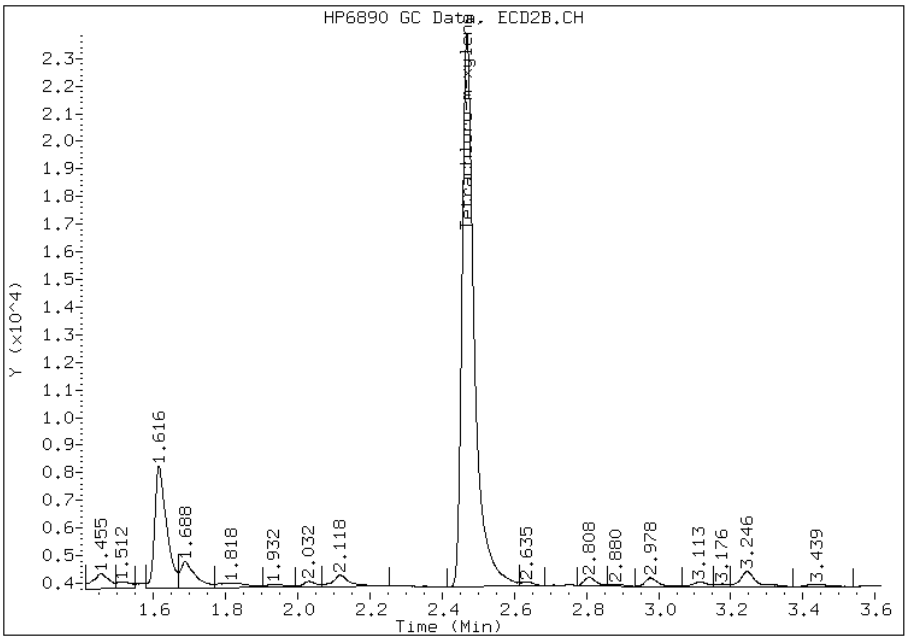
Manual Integration Results

RT: 2.47

Response: 959178

Amount: 0.02

Conc: 0.17



Manually Integrated By: tracy
Manual Integration Reason: Fused peaks (PCB's)

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: LEACHATE PPRS | Lab Sample ID: 220-15866-6

Matrix: Water | Lab File ID: D9162100.D

Analysis Method: 8082 | Date Collected: 06/22/2011 17:50

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 12:00

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		22-145
2051-24-3	DCB Decachlorobiphenyl	88		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162100.D
Lab Smp Id: 220-15866-A-6-A Client Smp ID: LEACHATE PPRS
Inj Date : 29-JUN-2011 12:00
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-6-A
Misc Info : 220-15866-A-6-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

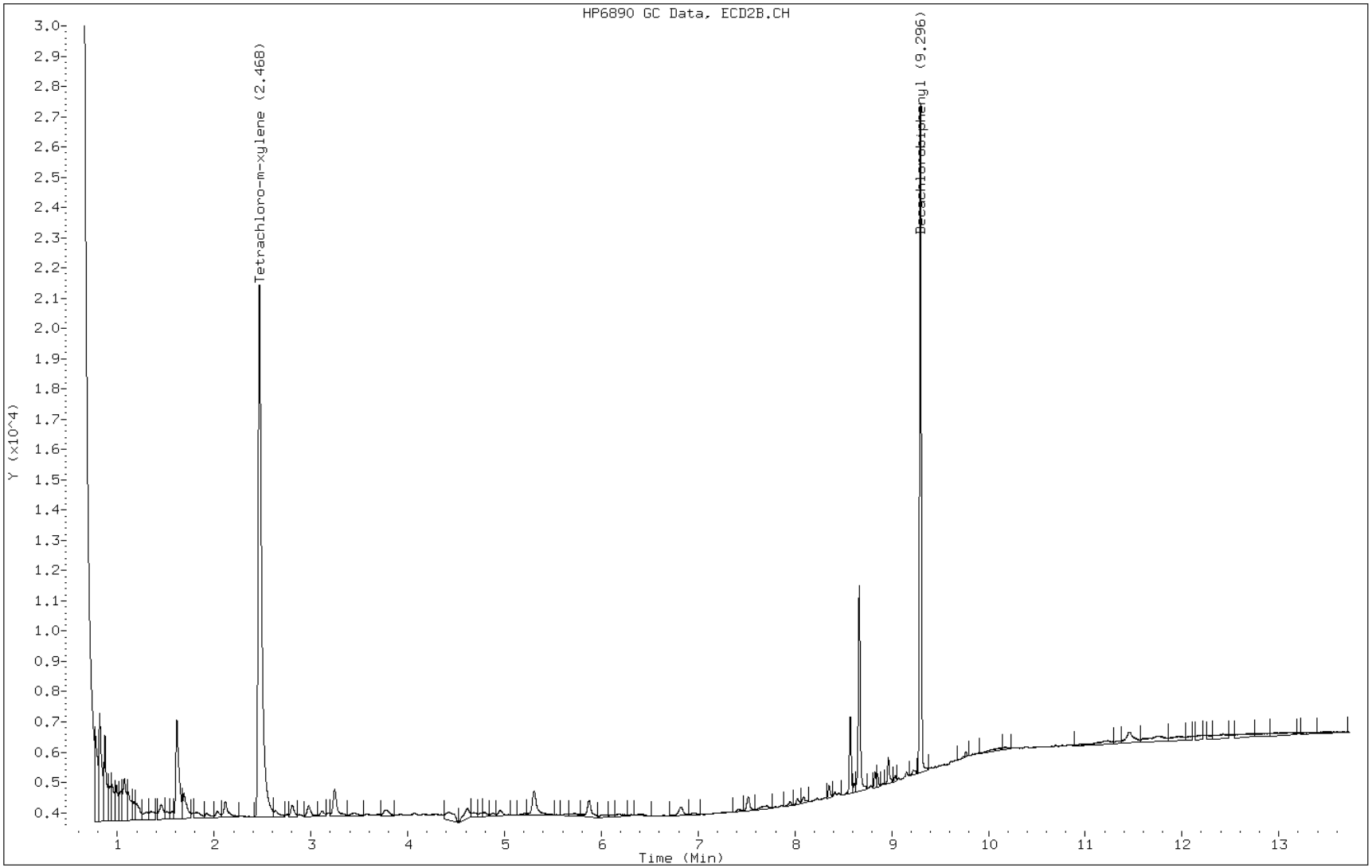
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.467	2.469	-0.002	894934	0.01577	0.158		
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	544453	0.01755	0.176		

Data File: D9162100.D

Date: 29-JUN-2011 12:00

Client ID: LEACHATE PPRS Instrument: hp6890-9.i

Sample Info: 220-15866-A-6-A Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-1S Lab Sample ID: 220-15866-7

Matrix: Water Lab File ID: D9162101.D

Analysis Method: 8082 Date Collected: 06/22/2011 12:30

Extraction Method: 3510C Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 06/29/2011 12:19

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		22-145
2051-24-3	DCB Decachlorobiphenyl	87		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162101.D
Lab Smp Id: 220-15866-A-7-A Client Smp ID: MW-1S
Inj Date : 29-JUN-2011 12:19
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-7-A
Misc Info : 220-15866-A-7-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.468	2.469	-0.001	988407	0.01741	0.174			(M)
$ 34 Decachlorobiphenyl					CAS #:			
9.296	9.299	-0.003	537994	0.01734	0.173			

QC Flag Legend

M - Compound response manually integrated.

Data File: D9162101.D

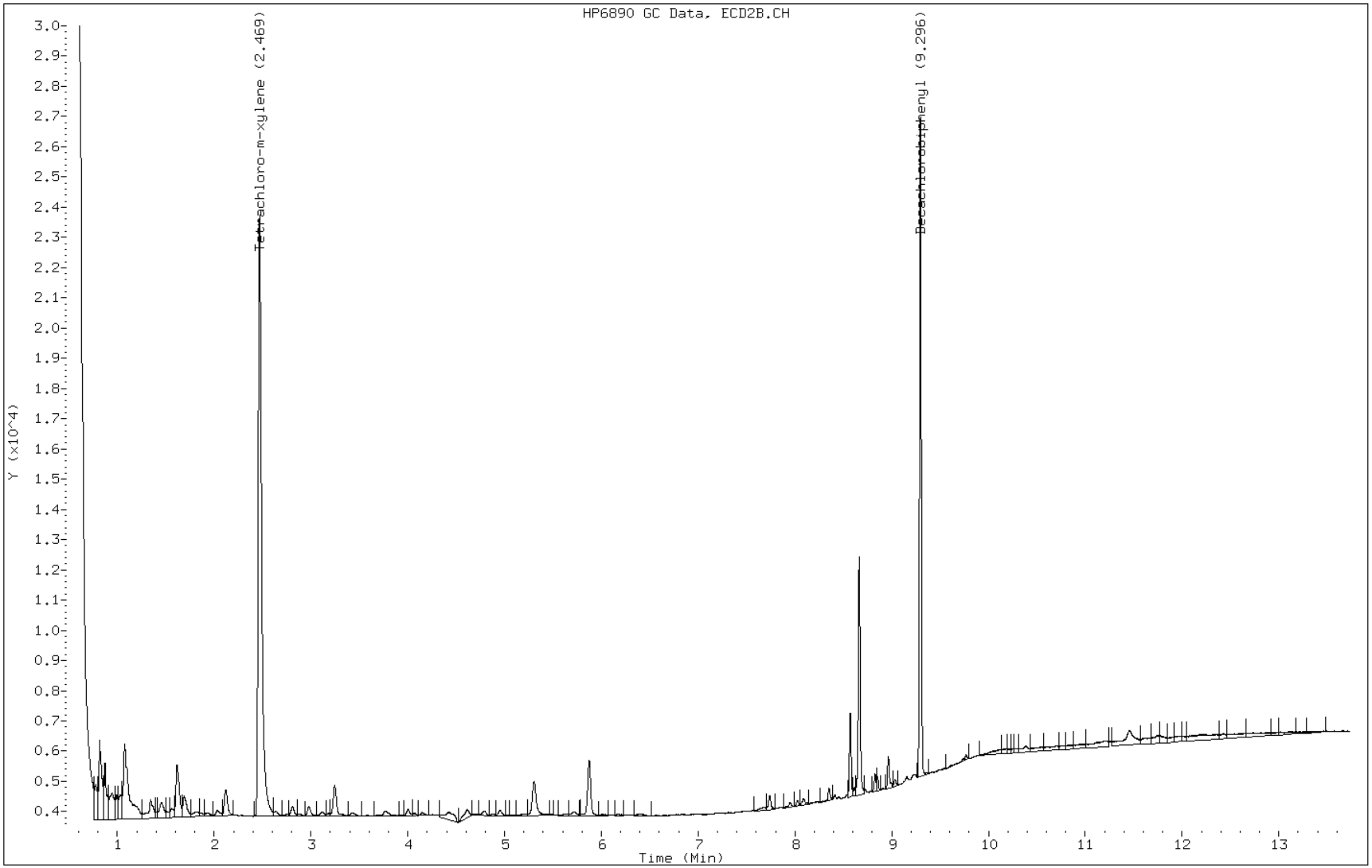
Date: 29-JUN-2011 12:19

Client ID: MW-1S

Instrument: hp6890-9.i

Sample Info: 220-15866-A-7-A

Operator: Tracy Puccino



Manual Integration Report

Data File: D9162101.D
Inj. Date and Time: 29-JUN-2011 12:19
Instrument ID: hp6890-9.i
Client ID: MW-1S
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 06/29/2011

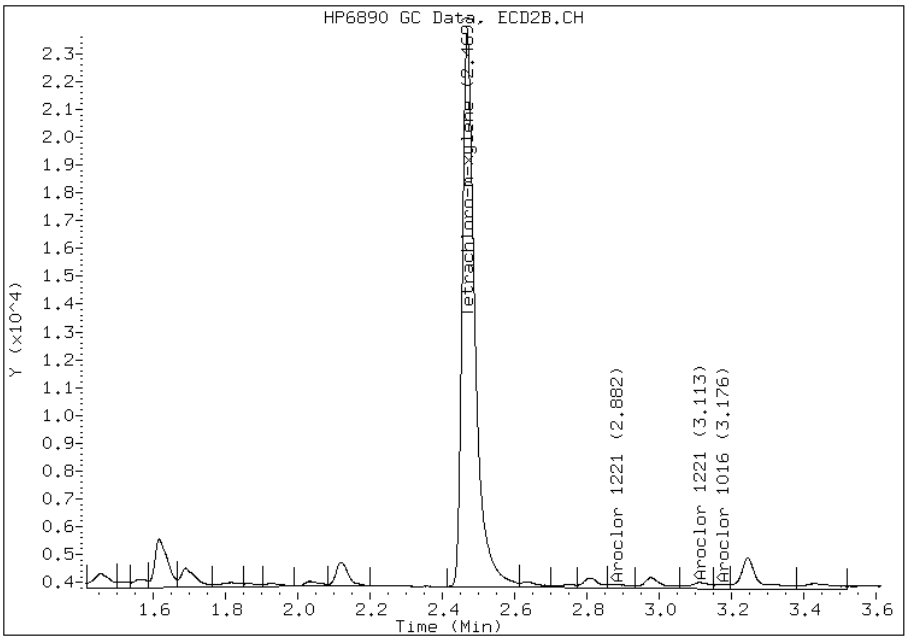
Processing Integration Results

RT: 2.47

Response: 990246

Amount: 0.02

Conc: 0.17



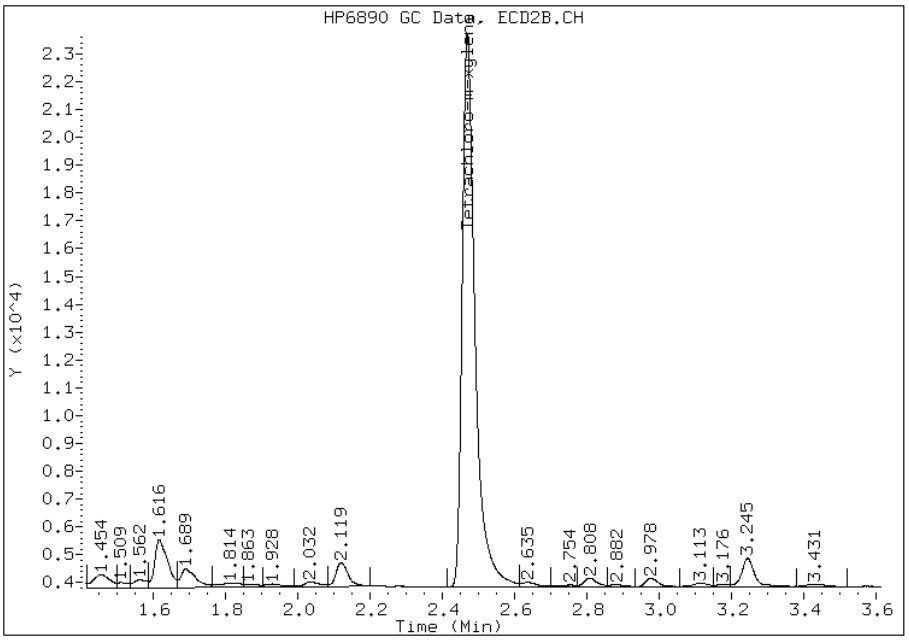
Manual Integration Results

RT: 2.47

Response: 988407

Amount: 0.02

Conc: 0.17



Manually Integrated By: tracy
Manual Integration Reason: Fused peaks (PCB's)

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-2D | Lab Sample ID: 220-15866-8

Matrix: Water | Lab File ID: D9162102.D

Analysis Method: 8082 | Date Collected: 06/22/2011 16:15

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 12:37

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		22-145
2051-24-3	DCB Decachlorobiphenyl	49		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162102.D
Lab Smp Id: 220-15866-A-8-A Client Smp ID: MW-2D
Inj Date : 29-JUN-2011 12:37
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-8-A
Misc Info : 220-15866-A-8-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.467	2.469	-0.002	908618	0.01601	0.160		(M)
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	302595	0.00976	0.0976		

QC Flag Legend

M - Compound response manually integrated.

Data File: D9162102.D

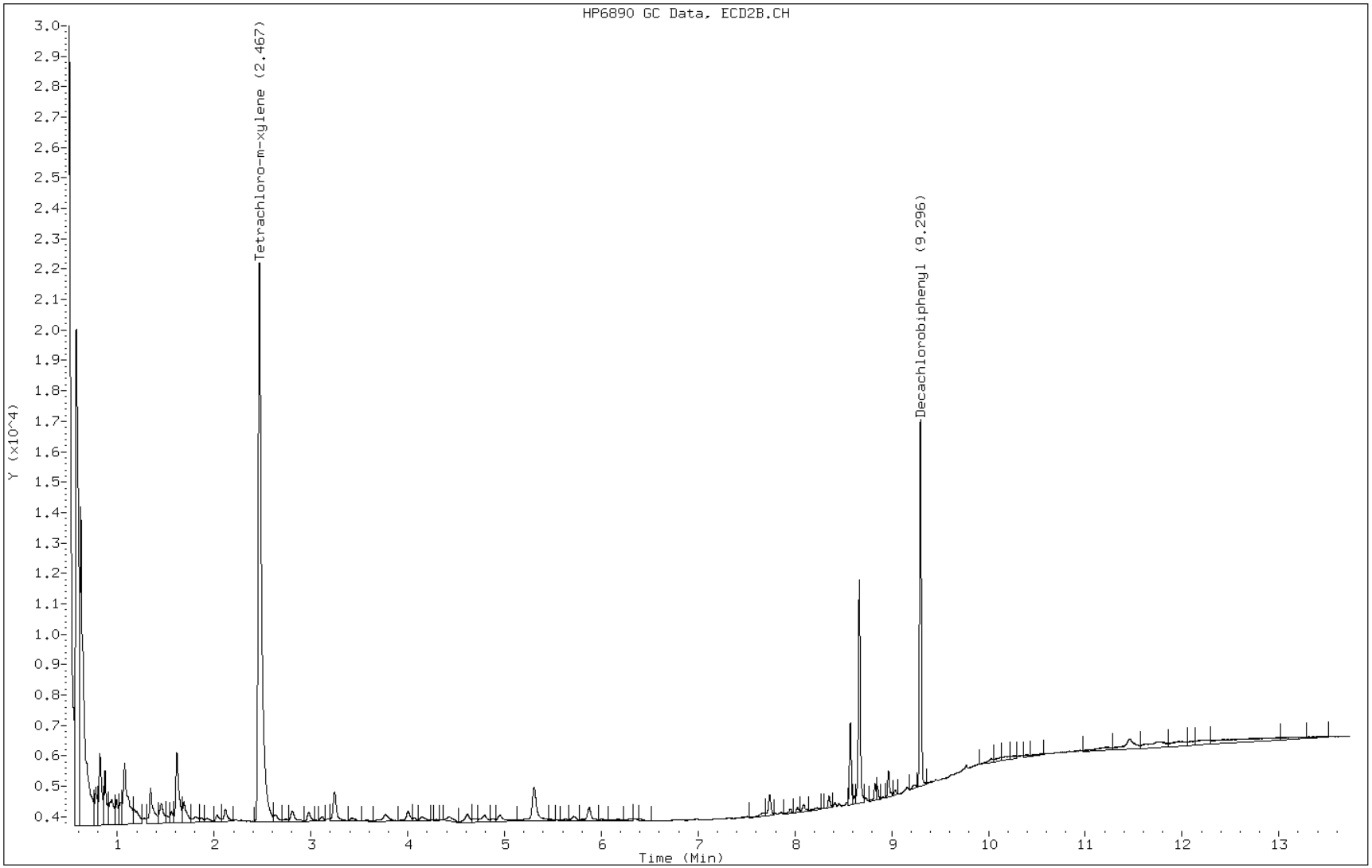
Date: 29-JUN-2011 12:37

Client ID: MW-2D

Instrument: hp6890-9.i

Sample Info: 220-15866-A-8-A

Operator: Tracy Puccino



Manual Integration Report

Data File: D9162102.D
Inj. Date and Time: 29-JUN-2011 12:37
Instrument ID: hp6890-9.i
Client ID: MW-2D
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 06/29/2011

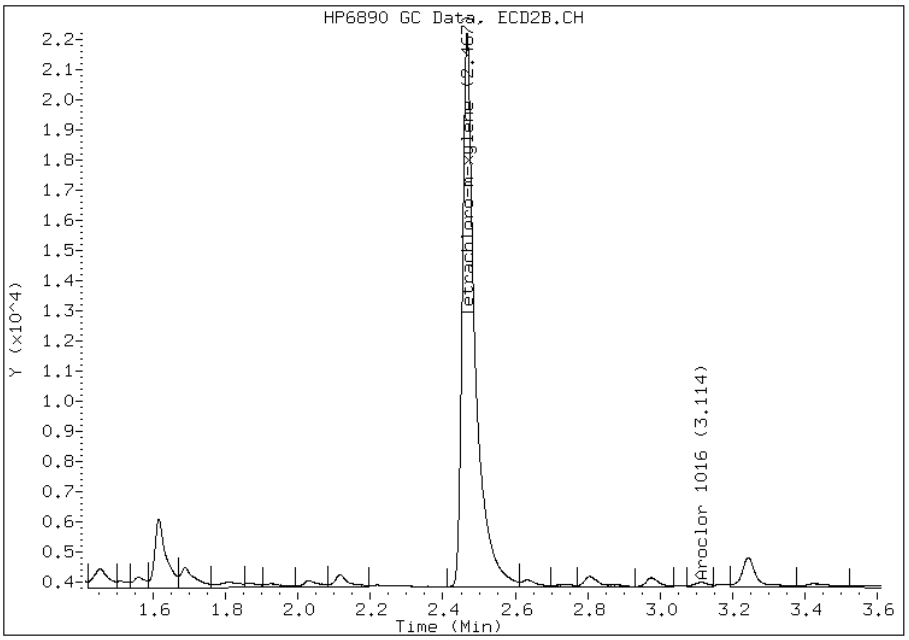
Processing Integration Results

RT: 2.47

Response: 909018

Amount: 0.02

Conc: 0.16



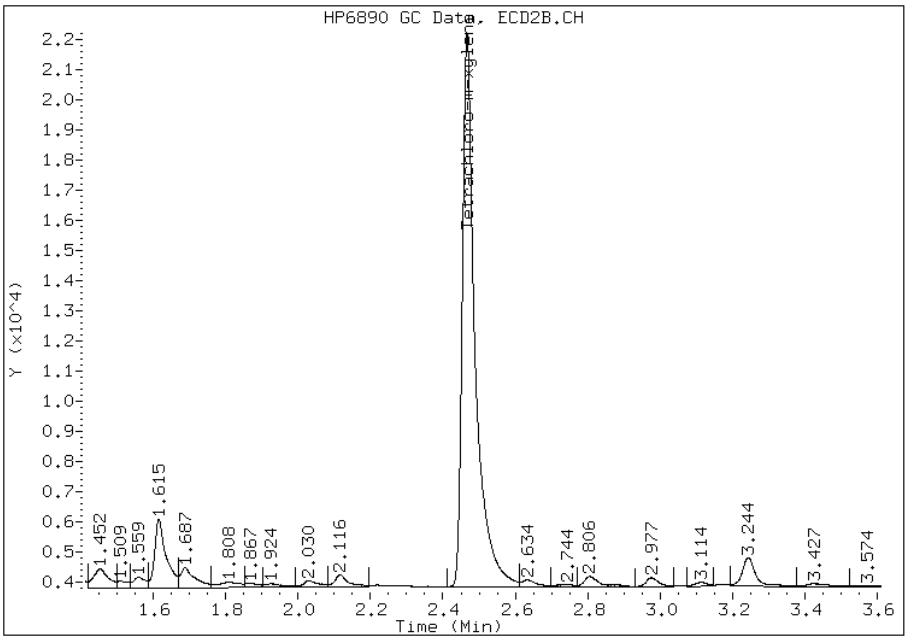
Manual Integration Results

RT: 2.47

Response: 908618

Amount: 0.02

Conc: 0.16



Manually Integrated By: tracy
Manual Integration Reason: Fused peaks (PCB's)

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-2S | Lab Sample ID: 220-15866-9

Matrix: Water | Lab File ID: D9162103.D

Analysis Method: 8082 | Date Collected: 06/22/2011 17:30

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 12:56

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		22-145
2051-24-3	DCB Decachlorobiphenyl	74		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162103.D
Lab Smp Id: 220-15866-B-9-A Client Smp ID: MW-2S
Inj Date : 29-JUN-2011 12:56
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-B-9-A
Misc Info : 220-15866-B-9-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 14:36 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.468	2.469	-0.001	1023156	0.01803	0.180		
$ 34 Decachlorobiphenyl					CAS #:		
9.295	9.299	-0.004	461106	0.01487	0.149		

Data File: D9162103.D

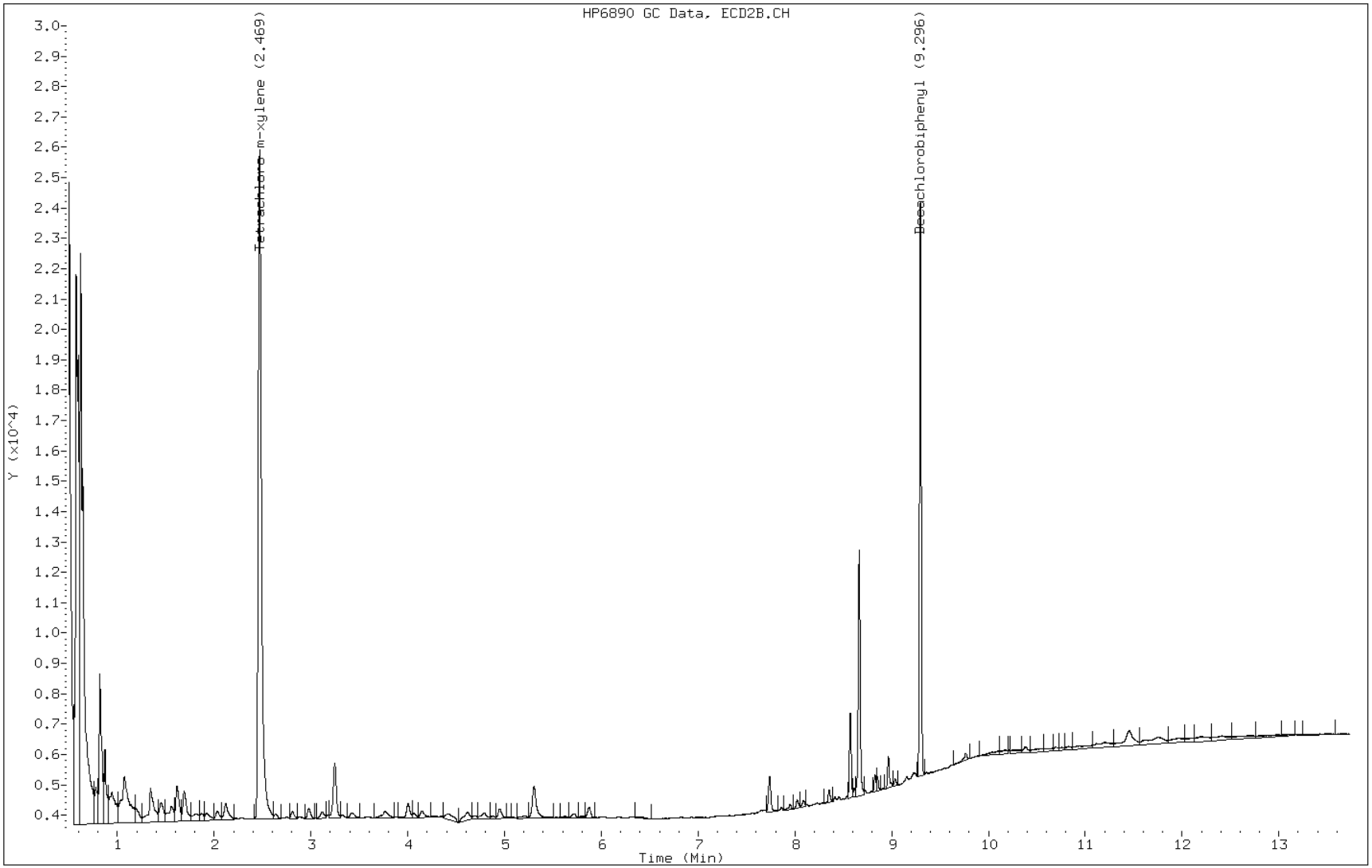
Date: 29-JUN-2011 12:56

Client ID: MW-2S

Instrument: hp6890-9.i

Sample Info: 220-15866-B-9-A

Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-X Lab Sample ID: 220-15866-10

Matrix: Water Lab File ID: D9162104.D

Analysis Method: 8082 Date Collected: 06/22/2011 00:00

Extraction Method: 3510C Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 06/29/2011 13:15

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		22-145
2051-24-3	DCB Decachlorobiphenyl	92		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162104.D
Lab Smp Id: 220-15866-B-10-A Client Smp ID: MW-X
Inj Date : 29-JUN-2011 13:15
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-B-10-A
Misc Info : 220-15866-B-10-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 14:36 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.469	2.469	0.000	1009424	0.01778	0.178		(M)
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	573261	0.01848	0.185		

QC Flag Legend

M - Compound response manually integrated.

Data File: D9162104.D

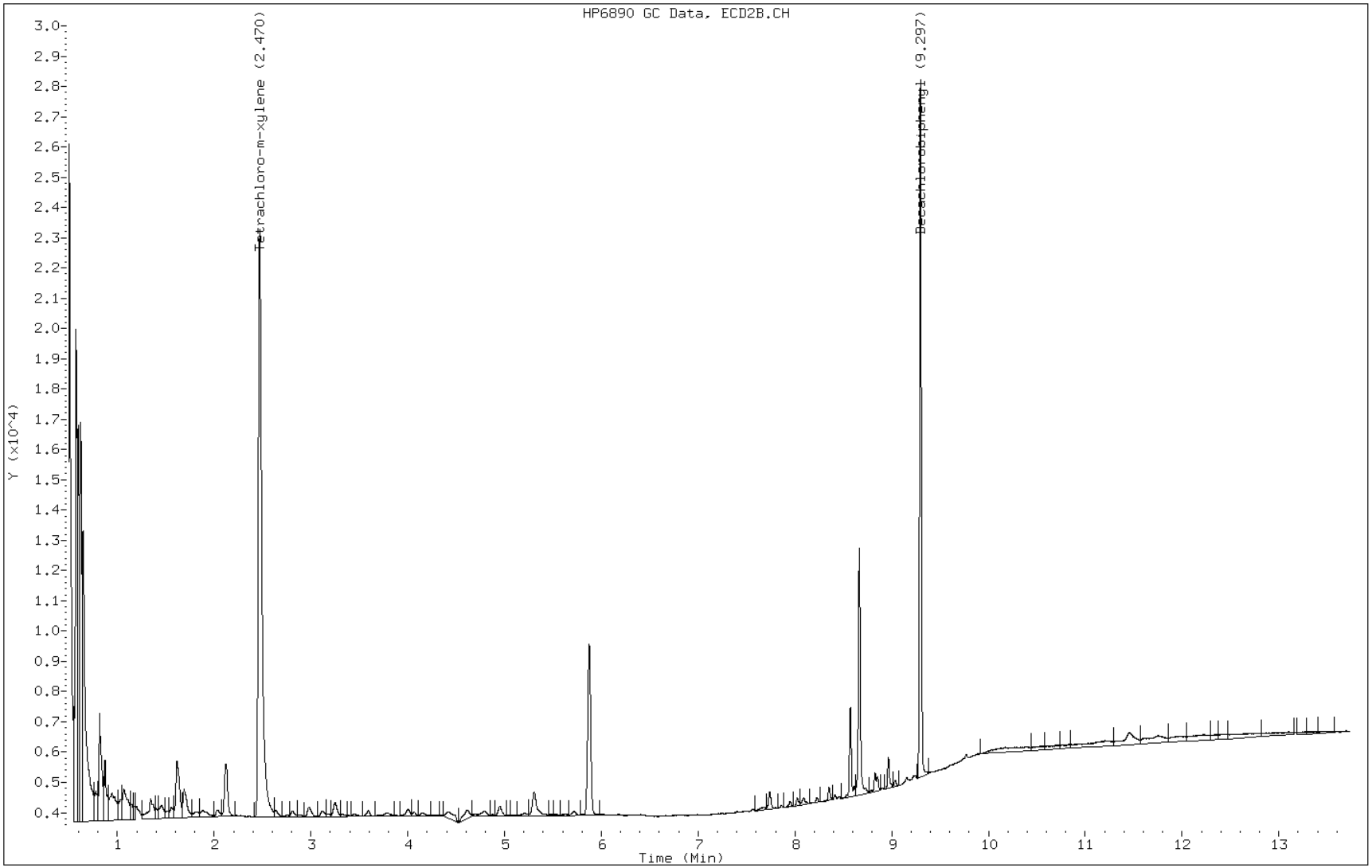
Date: 29-JUN-2011 13:15

Client ID: MW-X

Instrument: hp6890-9.i

Sample Info: 220-15866-B-10-A

Operator: Tracy Puccino



Manual Integration Report

Data File: D9162104.D
Inj. Date and Time: 29-JUN-2011 13:15
Instrument ID: hp6890-9.i
Client ID: MW-X
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 06/29/2011

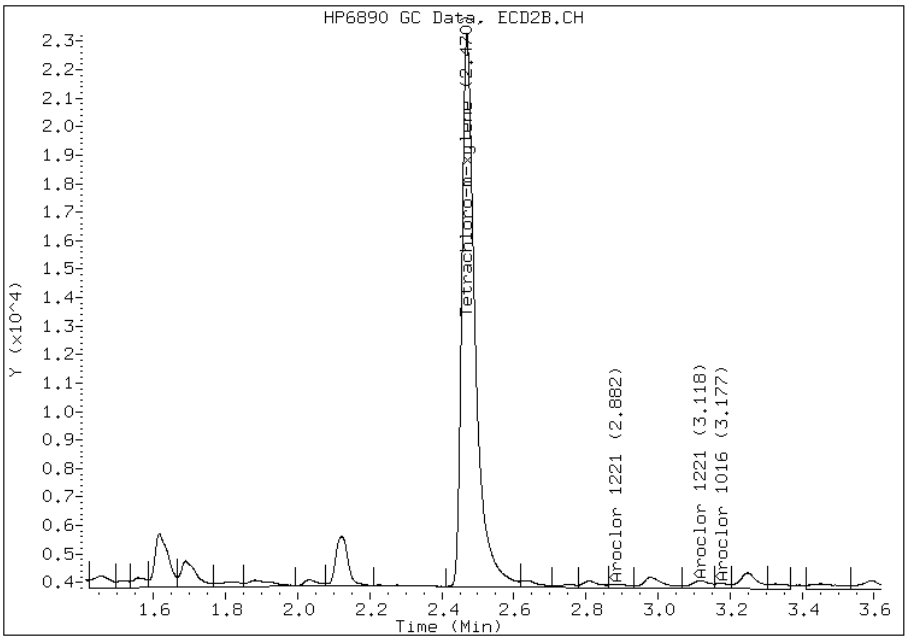
Processing Integration Results

RT: 2.47

Response: 1012818

Amount: 0.02

Conc: 0.18



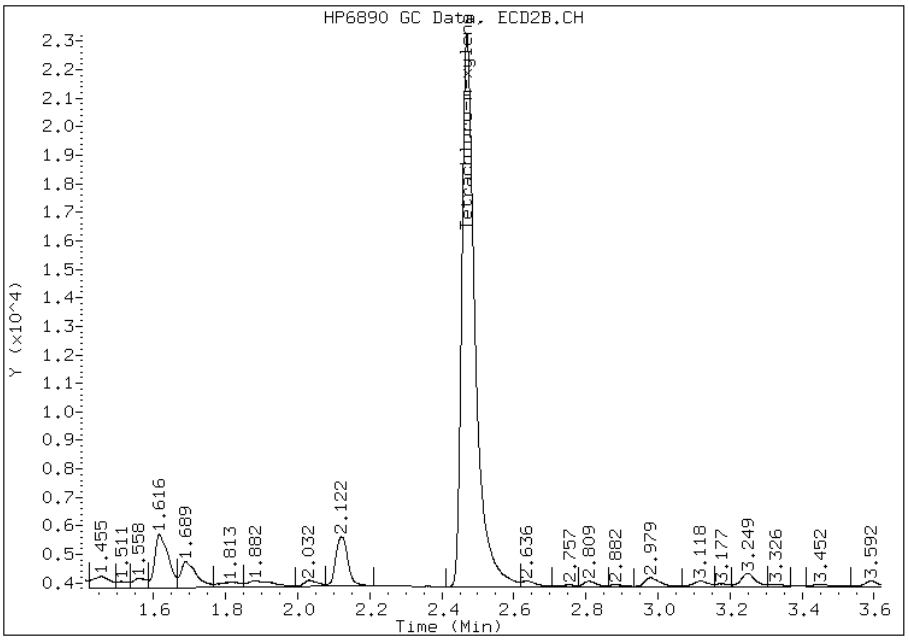
Manual Integration Results

RT: 2.47

Response: 1009424

Amount: 0.02

Conc: 0.18



Manually Integrated By: tracy
Manual Integration Reason: Fused peaks (PCB's)

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-3D | Lab Sample ID: 220-15866-11

Matrix: Water | Lab File ID: D9162105.D

Analysis Method: 8082 | Date Collected: 06/23/2011 07:40

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:33

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 13:34

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		22-145
2051-24-3	DCB Decachlorobiphenyl	90		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162105.D
Lab Smp Id: 220-15866-A-11-A Client Smp ID: MW-3D
Inj Date : 29-JUN-2011 13:34
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-11-A
Misc Info : 220-15866-A-11-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 14:36 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.468	2.469	-0.001	978623	0.01724	0.172		
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	560698	0.01808	0.181		

Data File: D9162105.D

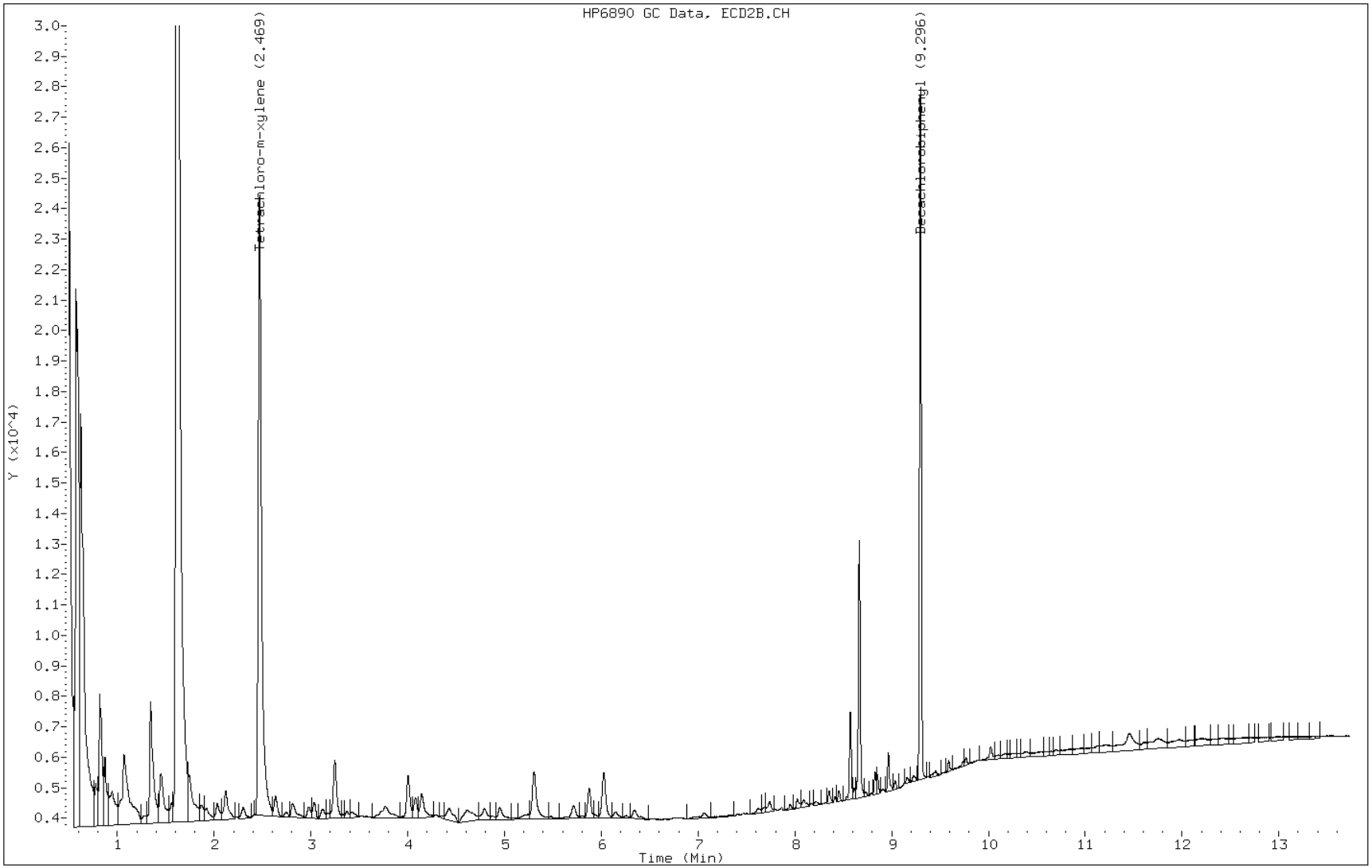
Date: 29-JUN-2011 13:34

Client ID: MW-3D

Instrument: hp6890-9.i

Sample Info: 220-15866-A-11-A

Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-3S | Lab Sample ID: 220-15866-12

Matrix: Water | Lab File ID: D9162106.D

Analysis Method: 8082 | Date Collected: 06/23/2011 08:00

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:33

Sample wt/vol: 400(mL) | Date Analyzed: 06/29/2011 13:53

Con. Extract Vol.: 5.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.63	U	0.63	0.063
11104-28-2	PCB-1221	0.63	U	0.63	0.063
11141-16-5	PCB-1232	0.63	U	0.63	0.063
53469-21-9	PCB-1242	0.63	U	0.63	0.063
12672-29-6	PCB-1248	0.63	U	0.63	0.063
11097-69-1	PCB-1254	0.63	U	0.63	0.10
11096-82-5	PCB-1260	0.63	U	0.63	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		22-145
2051-24-3	DCB Decachlorobiphenyl	85		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162106.D
Lab Smp Id: 220-15866-A-12-A Client Smp ID: MW-3S
Inj Date : 29-JUN-2011 13:53
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-12-A
Misc Info : 220-15866-A-12-A
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 14:36 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	5.000	Volume of final extract (ml)
Vo	400.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.468	2.469	-0.001	954946	0.01682	0.210		
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	524253	0.01690	0.211		

Data File: D9162106.D

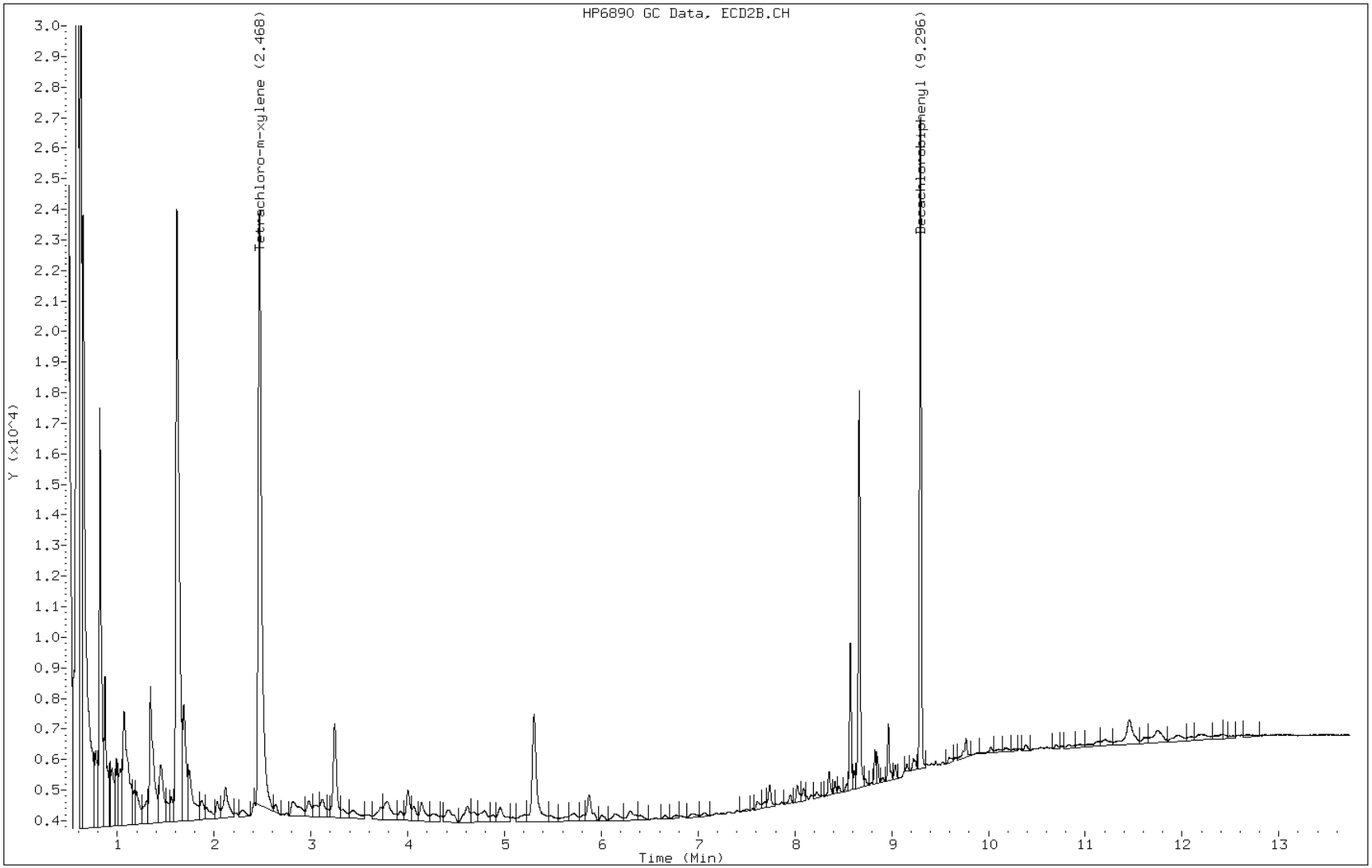
Date: 29-JUN-2011 13:53

Client ID: MW-3S

Instrument: hp6890-9.i

Sample Info: 220-15866-A-12-A

Operator: Tracy Puccino



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 12:03 Calibration End Date: 06/24/2011 13:37 Calibration ID: 11288

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRTAV 220-52284/1	D9162001.D
Level 2	IC 220-52284/2	D9162002.D
Level 3	IC 220-52284/3	D9162003.D
Level 4	IC 220-52284/4	D9162004.D
Level 5	IC 220-52284/5	D9162005.D
Level 6	IC 220-52284/6	D9162006.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
PCB-1016 Peak 1		3.164	3.164	3.164	3.163	3.164					3.112 - 3.212	3.164
PCB-1016 Peak 2		3.754	3.755	3.755	3.754	3.755					3.704 - 3.804	3.755
PCB-1016 Peak 3		4.422	4.422	4.422	4.421	4.422					4.371 - 4.471	4.422
PCB-1016 Peak 4		4.618	4.618	4.618	4.618	4.618					4.569 - 4.669	4.618
PCB-1016 Peak 5		5.499	5.499	5.499	5.499	5.499					5.449 - 5.549	5.499
PCB-1260 Peak 1	7.844	7.844	7.844	7.844	7.843	7.843					7.792 - 7.892	7.843
PCB-1260 Peak 2	8.159	8.159	8.159	8.159	8.159	8.159					8.109 - 8.209	8.159
PCB-1260 Peak 3	8.354	8.353	8.354	8.353	8.353	8.353					8.302 - 8.402	8.353
PCB-1260 Peak 4	8.596	8.596	8.596	8.596	8.595	8.596					8.547 - 8.647	8.596
PCB-1260 Peak 5	8.964	8.964	8.964	8.964	8.964	8.964					8.913 - 9.013	8.964
Tetrachloro-m-xylene	2.470	2.469	2.470	2.470	2.469	2.470					2.420 - 2.520	2.470
DCB Decachlorobiphenyl	9.300	9.299	9.300	9.300	9.299	9.300					9.250 - 9.350	9.300

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 12:03 Calibration End Date: 06/24/2011 13:37 Calibration ID: 11288

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRTAV 220-52284/1	D9162001.D
Level 2	IC 220-52284/2	D9162002.D
Level 3	IC 220-52284/3	D9162003.D
Level 4	IC 220-52284/4	D9162004.D
Level 5	IC 220-52284/5	D9162005.D
Level 6	IC 220-52284/6	D9162006.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	945638	1082520 902726	1026110	991290	Ave		989656.750				7.0		20.0			0.9900
PCB-1016 Peak 2	1677425	1989660 1595229	1870100	1838015	Ave		1794085.75				8.8		20.0			0.9900
PCB-1016 Peak 3	3353700	4023240 3247237	3729990	3622435	Ave		3595320.50				8.6		20.0			0.9900
PCB-1016 Peak 4	1526133	1809240 1461909	1716690	1652915	Ave		1633377.25				8.6		20.0			0.9900
PCB-1016 Peak 5	1394728	1588220 1331705	1531130	1509105	Ave		1470977.50				7.1		20.0			0.9900
PCB-1260 Peak 1	3316480 2653285	3168240 2528220	2985430	2836170	Ave		2914637.50				10.3		20.0			0.9900
PCB-1260 Peak 2	1921760 1536358	1838920 1456734	1741070	1655305	Ave		1691691.04				10.5		20.0			0.9900
PCB-1260 Peak 3	4448280 3573585	4154520 3373417	3935420	3710605	Ave		3865971.25				10.2		20.0			0.9900
PCB-1260 Peak 4	3455800 2607810	3079020 2462376	2905100	2783985	Ave		2882348.54				12.3		20.0			0.9900
PCB-1260 Peak 5	1454920 1142975	1278100 1079025	1246820	1221625	Ave		1237244.17				10.4		20.0			0.9900
Tetrachloro-m-xylene	61010400 54428380	59165600 53848910	56761700	55330800	Ave		56757631.7				5.0		20.0			0.9900
DCB Decachlorobiphenyl	35976200 28402440	33430400 27102645	31623650	29581160	Ave		31019415.8				10.7		20.0			0.9900

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 Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 12:03 Calibration End Date: 06/24/2011 13:37 Calibration ID: 11288

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	ICRTAV 220-52284/1	D9162001.D
Level 2	IC 220-52284/2	D9162002.D
Level 3	IC 220-52284/3	D9162003.D
Level 4	IC 220-52284/4	D9162004.D
Level 5	IC 220-52284/5	D9162005.D
Level 6	IC 220-52284/6	D9162006.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	722181	54126	102611	198258	378255	0.800	0.0500	0.100	0.200	0.400
PCB-1016 Peak 2	Ave	1276183	99483	187010	367603	670970	0.800	0.0500	0.100	0.200	0.400
PCB-1016 Peak 3	Ave	2597790	201162	372999	724487	1341480	0.800	0.0500	0.100	0.200	0.400
PCB-1016 Peak 4	Ave	1169527	90462	171669	330583	610453	0.800	0.0500	0.100	0.200	0.400
PCB-1016 Peak 5	Ave	1065364	79411	153113	301821	557891	0.800	0.0500	0.100	0.200	0.400
PCB-1260 Peak 1	Ave	82912 2022576	158412	298543	567234	1061314	0.0250 0.800	0.0500	0.100	0.200	0.400
PCB-1260 Peak 2	Ave	48044 1165387	91946	174107	331061	614543	0.0250 0.800	0.0500	0.100	0.200	0.400
PCB-1260 Peak 3	Ave	111207 2698734	207726	393542	742121	1429434	0.0250 0.800	0.0500	0.100	0.200	0.400
PCB-1260 Peak 4	Ave	86395 1969901	153951	290510	556797	1043124	0.0250 0.800	0.0500	0.100	0.200	0.400
PCB-1260 Peak 5	Ave	36373 863220	63905	124682	244325	457190	0.0250 0.800	0.0500	0.100	0.200	0.400
Tetrachloro-m-xylene	Ave	152526 5384891	295828	567617	1383270	2721419	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	Ave	179881 5420529	334304	632473	1479058	2840244	0.00500 0.200	0.0100	0.0200	0.0500	0.100

Curve Type Legend:
Ave = Average

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162001.D
Lab Smp Id: ICRTAV-630002 Client Smp ID: ICRTAV-630002
Inj Date : 24-JUN-2011 12:03
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : ICRTAV-630002;60.5
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 12:03 Cal File: D9162001.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.469	2.469	0.000	152526	0.00250	0.00269			
2 Aroclor 1016					CAS #: 12674-11-2			
3.163	3.161	0.002	31317	0.02500	0.0316	0.00-	0.00	100.00
3.754	3.753	0.001	59929	0.02500	0.0334	0.00-	0.00	191.36
4.424	4.421	0.003	115465	0.02500	0.0321	0.00-	0.00	368.69
4.618	4.619	-0.001	61137	0.02500	0.0374	0.00-	0.00	195.22
5.497	5.499	-0.002	46920	0.02500	0.0319	0.00-	0.00	149.82
Average of Peak Amounts =					0.03328			
29 Aroclor 1260					CAS #: 11096-82-5			
7.843	7.841	0.002	82912	0.02500	0.0284	0.00-	0.00	100.00
8.159	8.159	0.000	48044	0.02500	0.0284	0.00-	0.00	57.95
8.353	8.351	0.002	111207	0.02500	0.0288	0.00-	0.00	134.13
8.596	8.597	-0.001	86395	0.02500	0.0300	0.00-	0.00	104.20
8.964	8.962	0.002	36373	0.02500	0.0294	0.00-	0.00	43.87
Average of Peak Amounts =					0.02900			

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.299	9.299	0.000	179881	0.00500	0.00580		(M)

QC Flag Legend

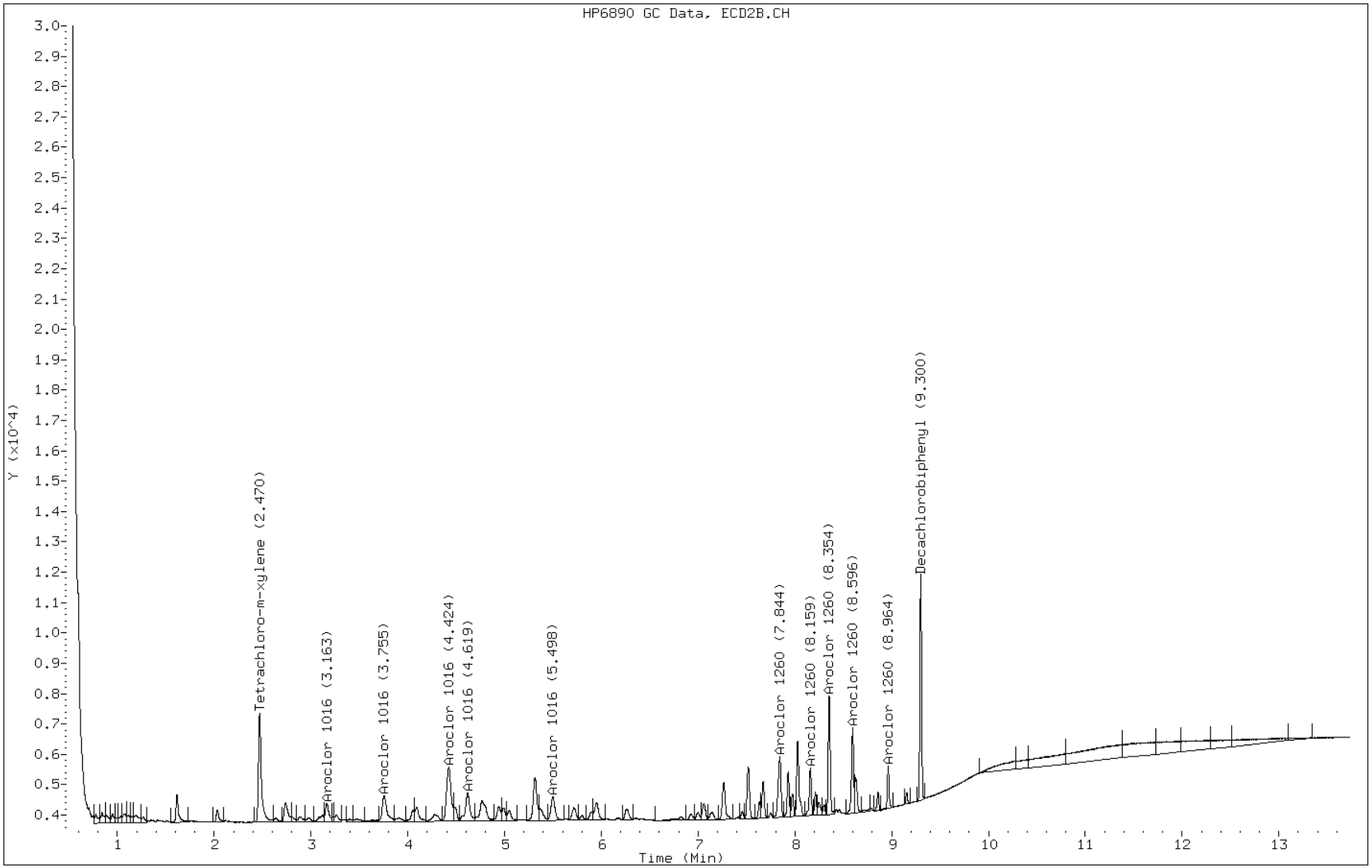
M - Compound response manually integrated.

Data File: D9162001.D

Date: 24-JUN-2011 12:03

Client ID: ICRTAV-630002 Instrument: hp6890-9.i

Sample Info: ICRTAV-630002;60.5 Operator: Tracy Puccino



Manual Integration Report

Data File: D9162001.D
Inj. Date and Time: 24-JUN-2011 12:03
Instrument ID: hp6890-9.i
Client ID: ICRTAV-630002
Compound: 34 Decachlorobiphenyl
CAS #:
Report Date: 06/27/2011

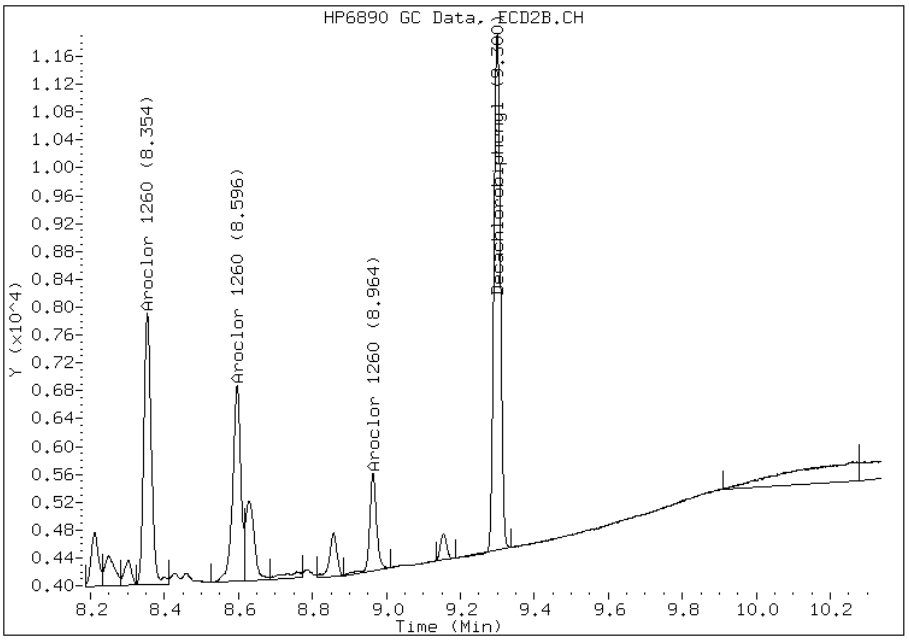
Processing Integration Results

RT: 9.30

Response: 178452

Amount: 0.01

Conc: 0.01



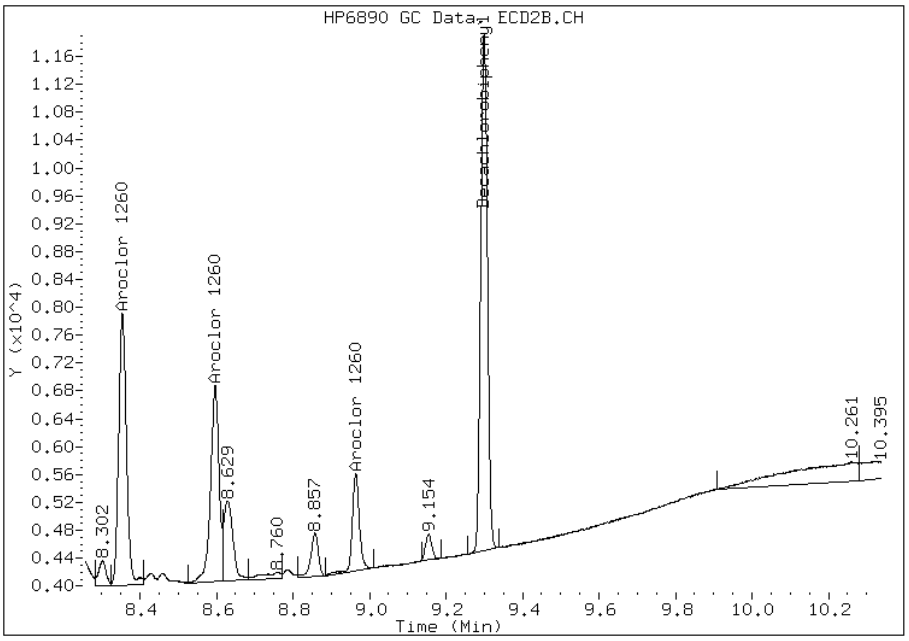
Manual Integration Results

RT: 9.30

Response: 179881

Amount: 0.01

Conc: 0.01



Manually Integrated By: tracy
Manual Integration Reason: Baseline correction

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162002.D
Lab Smp Id: IC-630002 Client Smp ID: IC-630002
Inj Date : 24-JUN-2011 12:22
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630002;601
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 12:22 Cal File: D9162002.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.469	2.469	0.000	295828	0.00500	0.00521			
2 Aroclor 1016					CAS #: 12674-11-2			
3.163	3.161	0.002	54126	0.05000	0.0547	0.00-	0.00	100.00
3.754	3.753	0.001	99483	0.05000	0.0554	0.00-	0.00	183.80
4.422	4.421	0.001	201162	0.05000	0.0560	0.00-	0.00	371.66
4.618	4.618	0.000	90462	0.05000	0.0554	0.00-	0.00	167.13
5.498	5.499	-0.001	79411	0.05000	0.0540	0.00-	0.00	146.72
Average of Peak Amounts =					0.05510			
29 Aroclor 1260					CAS #: 11096-82-5			
7.843	7.841	0.002	158412	0.05000	0.0544	0.00-	0.00	100.00
8.159	8.159	0.000	91946	0.05000	0.0544	0.00-	0.00	58.04
8.353	8.351	0.002	207726	0.05000	0.0537	0.00-	0.00	131.13
8.596	8.597	-0.001	153951	0.05000	0.0534	0.00-	0.00	97.18
8.964	8.962	0.002	63905	0.05000	0.0516	0.00-	0.00	40.34
Average of Peak Amounts =					0.05350			

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO	
$ 34 Decachlorobiphenyl					CAS #:			
9.299	9.299	0.000	334304	0.01000	0.0108			(M)

QC Flag Legend

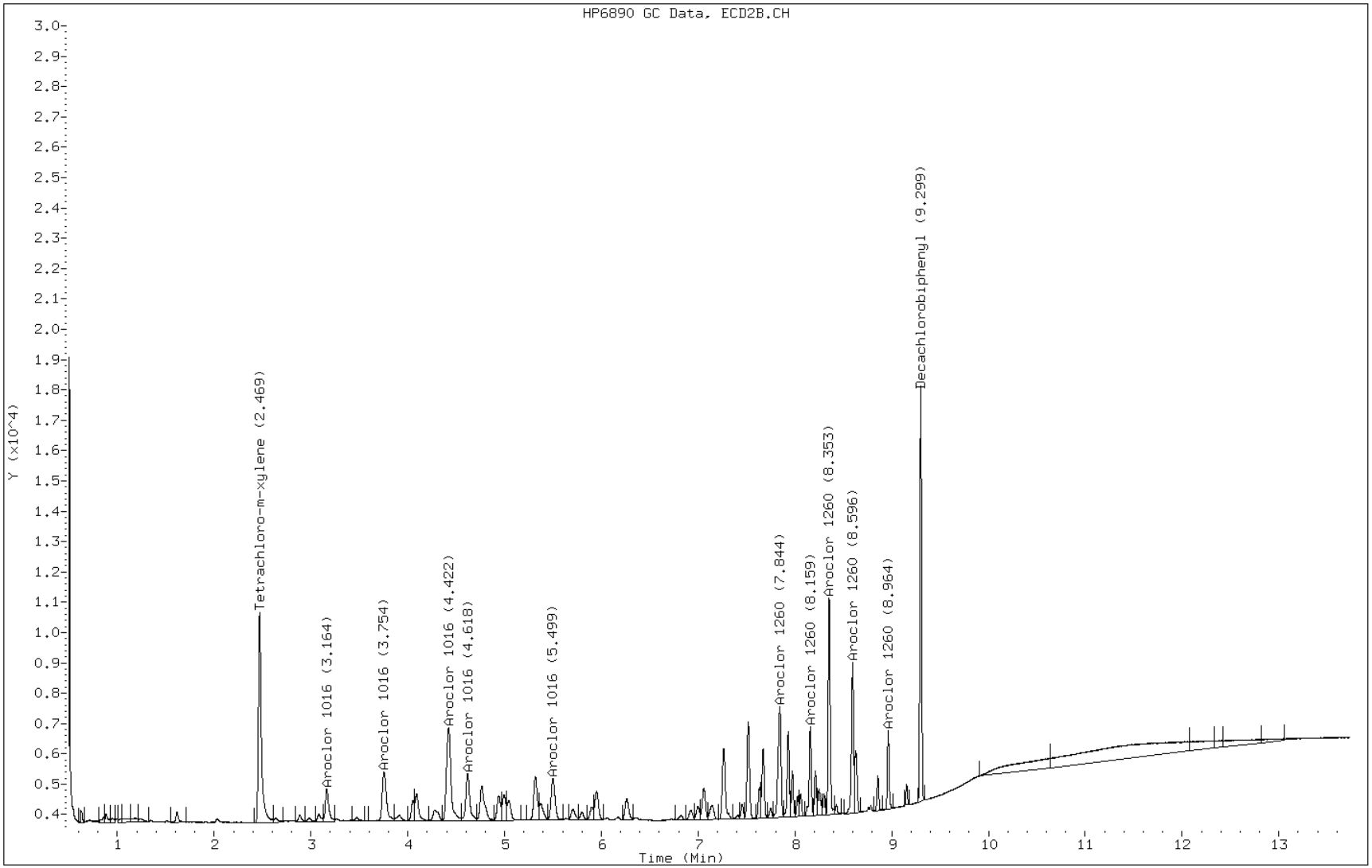
M - Compound response manually integrated.

Data File: D9162002.D

Date: 24-JUN-2011 12:22

Client ID: IC-630002 Instrument: hp6890-9.i

Sample Info: IC-630002;601 Operator: Tracy Puccino



Manual Integration Report

Data File: D9162002.D
Inj. Date and Time: 24-JUN-2011 12:22
Instrument ID: hp6890-9.i
Client ID: IC-630002
Compound: 34 Decachlorobiphenyl
CAS #:
Report Date: 06/27/2011

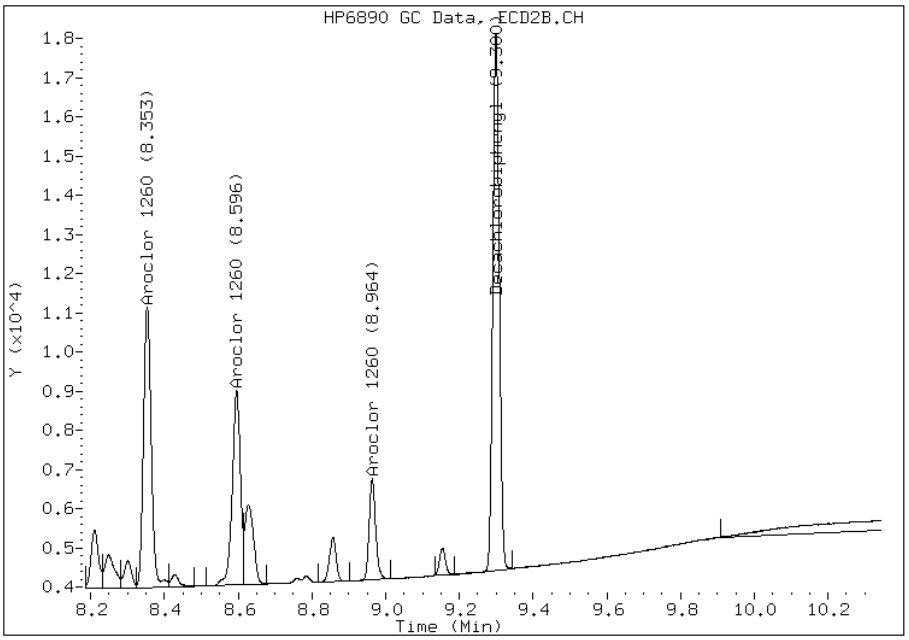
Processing Integration Results

RT: 9.30

Response: 333033

Amount: 0.01

Conc: 0.01



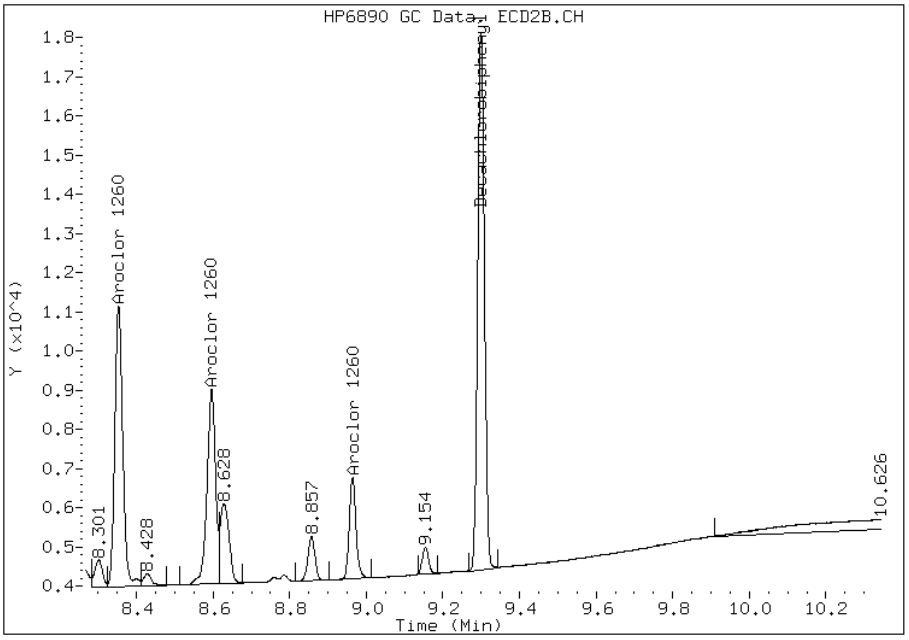
Manual Integration Results

RT: 9.30

Response: 334304

Amount: 0.01

Conc: 0.01



Manually Integrated By: tracy
Manual Integration Reason: Baseline correction

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162003.D
Lab Smp Id: IC-630003 Client Smp ID: IC-630003
Inj Date : 24-JUN-2011 12:41
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630003;602
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 12:41 Cal File: D9162003.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.469	2.469	0.000	567617	0.01000	0.0100			
2 Aroclor 1016					CAS #: 12674-11-2			
3.163	3.162	0.001	102611	0.10000	0.104	0.00-	0.00	100.00
3.754	3.753	0.001	187010	0.10000	0.104	0.00-	0.00	182.25
4.422	4.421	0.001	372999	0.10000	0.104	0.00-	0.00	363.51
4.618	4.618	0.000	171669	0.10000	0.105	0.00-	0.00	167.30
5.499	5.499	0.000	153113	0.10000	0.104	0.00-	0.00	149.22
Average of Peak Amounts =					0.10420			
29 Aroclor 1260					CAS #: 11096-82-5			
7.843	7.842	0.001	298543	0.10000	0.102	0.00-	0.00	100.00
8.159	8.159	0.000	174107	0.10000	0.103	0.00-	0.00	58.32
8.353	8.351	0.002	393542	0.10000	0.102	0.00-	0.00	131.82
8.596	8.597	-0.001	290510	0.10000	0.101	0.00-	0.00	97.31
8.964	8.962	0.002	124682	0.10000	0.101	0.00-	0.00	41.76
Average of Peak Amounts =					0.10180			

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.300	9.299	0.001	632473	0.02000	0.0204		(M)

QC Flag Legend

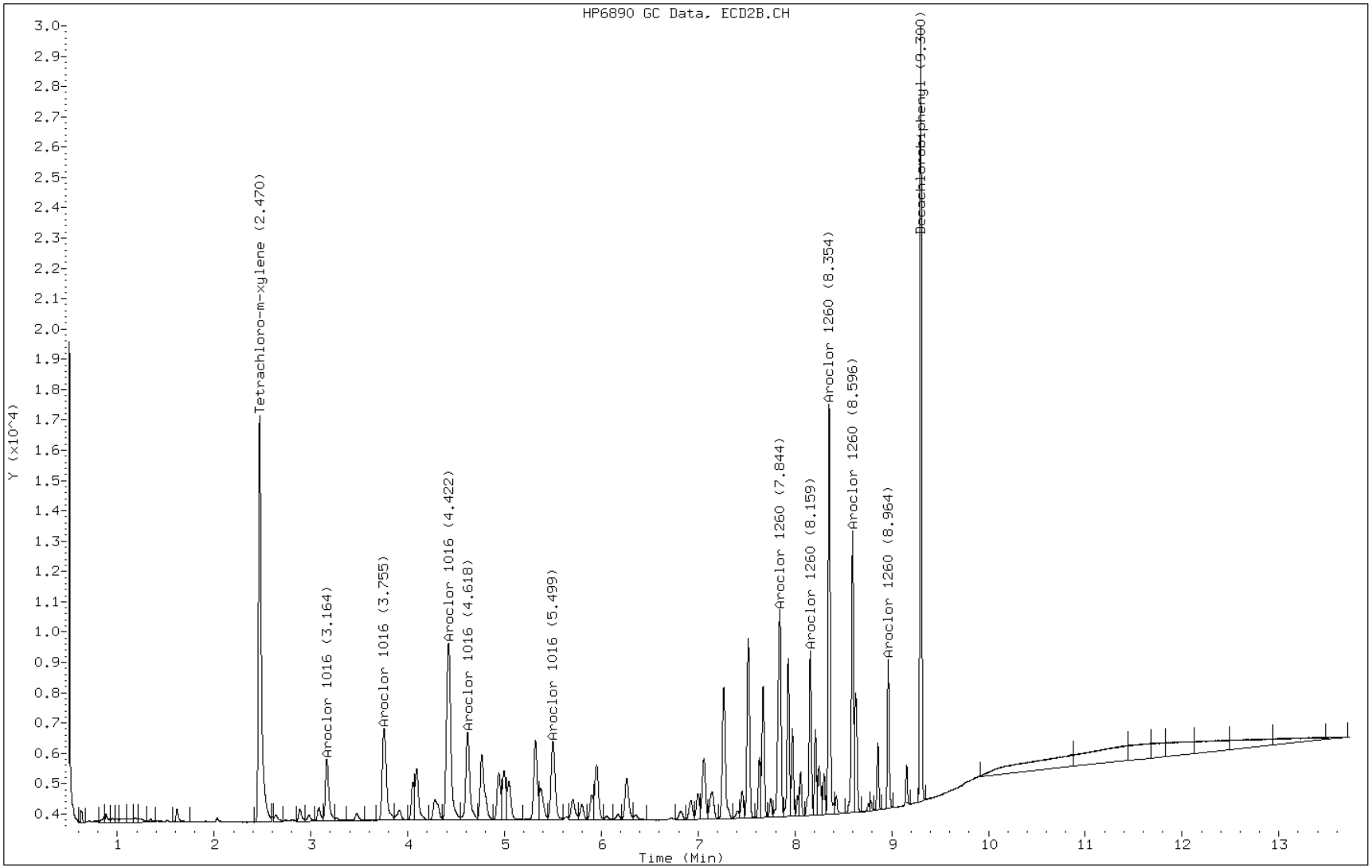
M - Compound response manually integrated.

Data File: D9162003.D

Date: 24-JUN-2011 12:41

Client ID: IC-630003 Instrument: hp6890-9.i

Sample Info: IC-630003;602 Operator: Tracy Puccino



Manual Integration Report

Data File: D9162003.D
Inj. Date and Time: 24-JUN-2011 12:41
Instrument ID: hp6890-9.i
Client ID: IC-630003
Compound: 34 Decachlorobiphenyl
CAS #:
Report Date: 06/27/2011

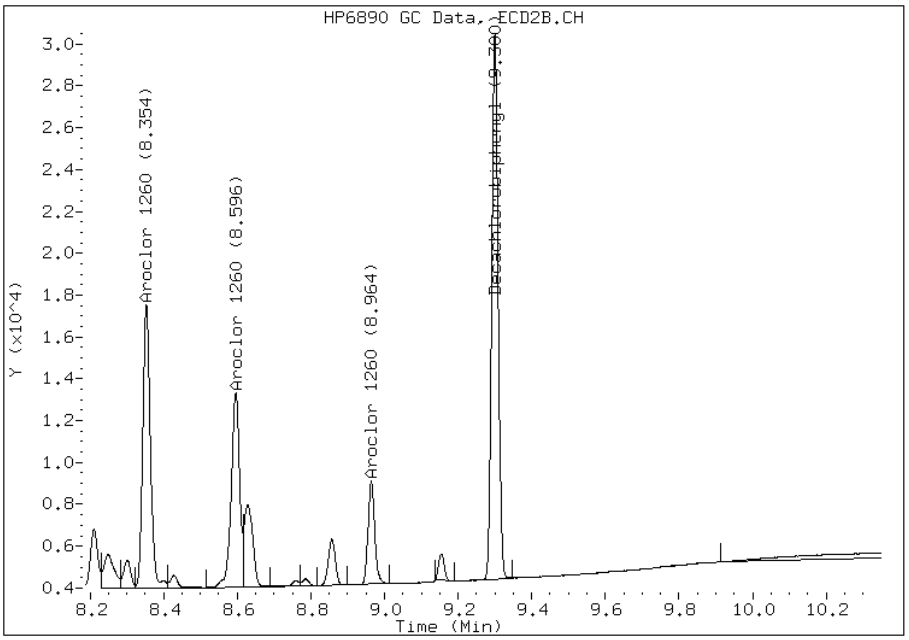
Processing Integration Results

RT: 9.30

Response: 631013

Amount: 0.02

Conc: 0.02



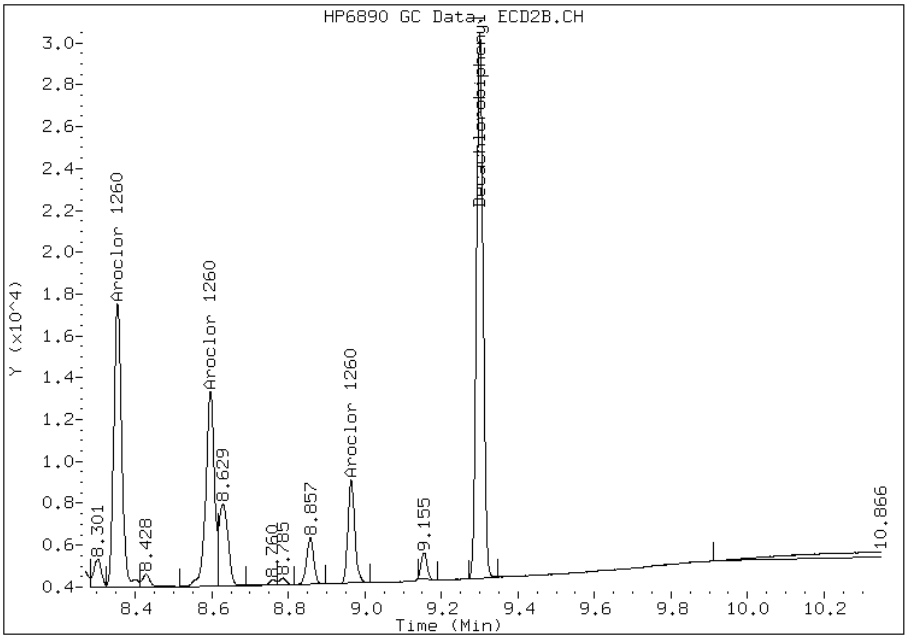
Manual Integration Results

RT: 9.30

Response: 632473

Amount: 0.02

Conc: 0.02



Manually Integrated By: tracy
Manual Integration Reason: Baseline correction

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162004.D
Lab Smp Id: IC-621109 Client Smp ID: IC-621109
Inj Date : 24-JUN-2011 13:00
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-621109;603
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 13:00 Cal File: D9162004.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.469	2.469	0.000	1383270	0.02500	0.0238			
2 Aroclor 1016					CAS #: 12674-11-2			
3.163	3.161	0.002	198258	0.20000	0.192	0.00-	0.00	100.00
3.755	3.753	0.002	367603	0.20000	0.194	0.00-	0.00	185.42
4.421	4.421	0.000	724487	0.20000	0.191	0.00-	0.00	365.43
4.617	4.619	-0.002	330583	0.20000	0.192	0.00-	0.00	166.74
5.499	5.499	0.000	301821	0.20000	0.196	0.00-	0.00	152.24
Average of Peak Amounts =					0.19300			
29 Aroclor 1260					CAS #: 11096-82-5			
7.843	7.841	0.002	567234	0.20000	0.184	0.00-	0.00	100.00
8.159	8.159	0.000	331061	0.20000	0.185	0.00-	0.00	58.36
8.353	8.351	0.002	742121	0.20000	0.183	0.00-	0.00	130.83
8.595	8.598	-0.003	556797	0.20000	0.182	0.00-	0.00	98.16
8.963	8.962	0.001	244325	0.20000	0.188	0.00-	0.00	43.07
Average of Peak Amounts =					0.18440			

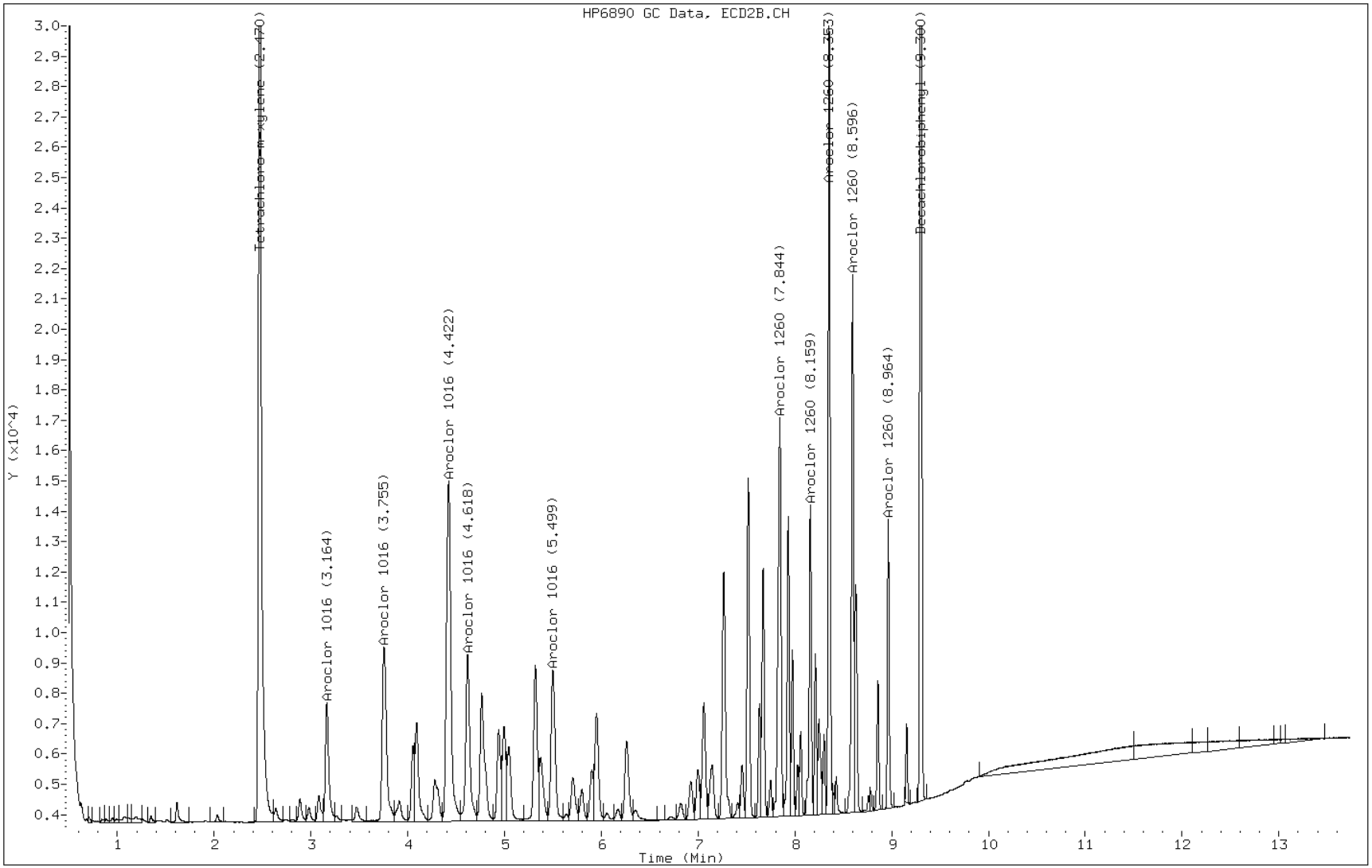
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.299	9.299	0.000	1479058	0.05000	0.0455		

Data File: D9162004.D

Date: 24-JUN-2011 13:00

Client ID: IC-621109 Instrument: hp6890-9.i

Sample Info: IC-621109;603 Operator: Tracy Puccino



TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162005.D
Lab Smp Id: IC-630004 Client Smp ID: IC-630004
Inj Date : 24-JUN-2011 13:19
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630004;604
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 13:19 Cal File: D9162005.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.469	2.469	0.000	2721419	0.05000	0.0479			
2 Aroclor 1016					CAS #: 12674-11-2			
3.163	3.162	0.001	378255	0.40000	0.382	0.00-	0.00	100.00
3.754	3.753	0.001	670970	0.40000	0.374	0.00-	0.00	177.39
4.421	4.421	0.000	1341480	0.40000	0.373	0.00-	0.00	354.65
4.617	4.618	-0.001	610453	0.40000	0.374	0.00-	0.00	161.39
5.498	5.499	-0.001	557891	0.40000	0.379	0.00-	0.00	147.49
Average of Peak Amounts =					0.37640			
29 Aroclor 1260					CAS #: 11096-82-5			
7.842	7.842	0.000	1061314	0.40000	0.364	0.00-	0.00	100.00
8.158	8.159	-0.001	614543	0.40000	0.363	0.00-	0.00	57.90
8.352	8.352	0.000	1429434	0.40000	0.370	0.00-	0.00	134.69
8.595	8.597	-0.002	1043124	0.40000	0.362	0.00-	0.00	98.29
8.963	8.962	0.001	457190	0.40000	0.370	0.00-	0.00	43.08
Average of Peak Amounts =					0.36580			

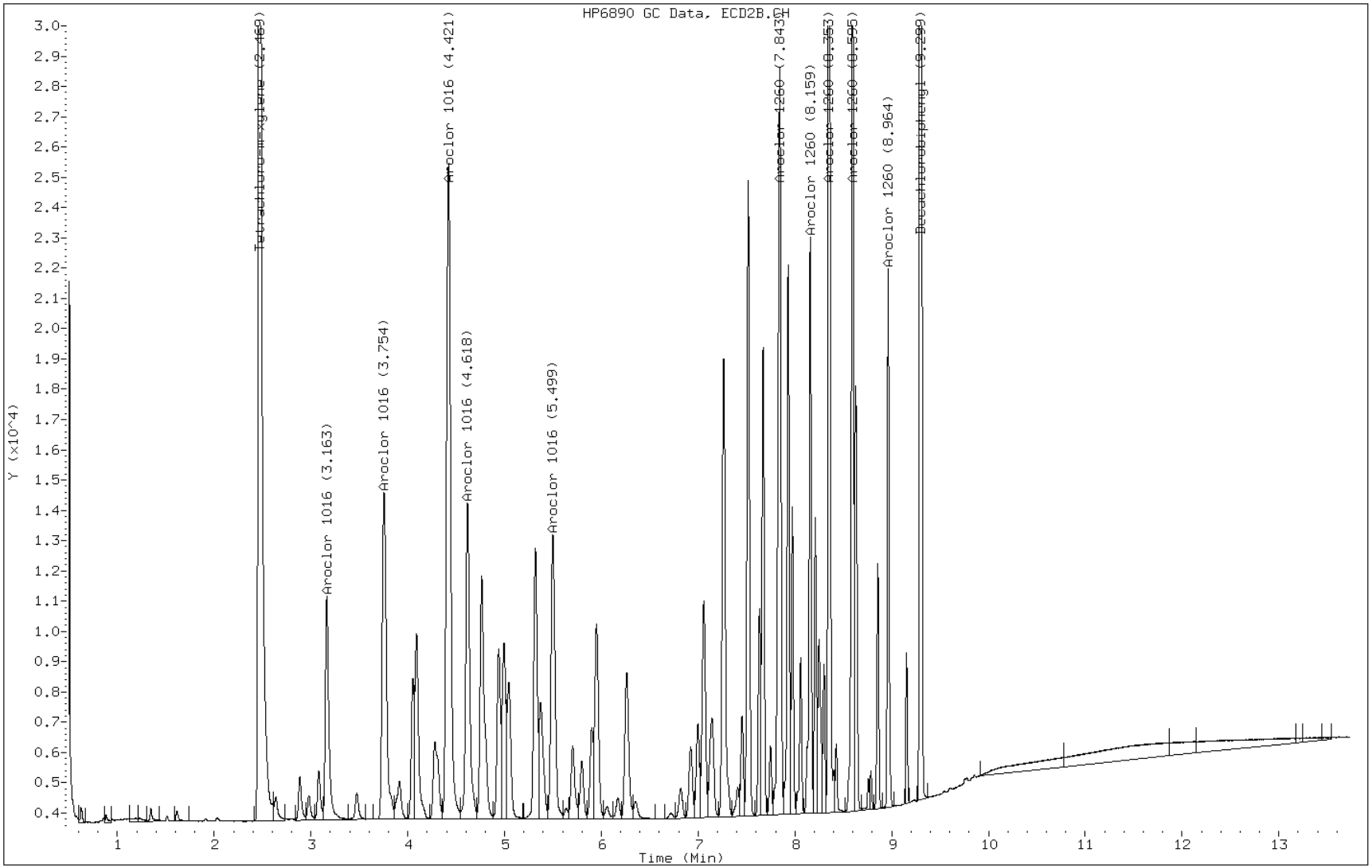
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.299	9.299	0.000	2840244	0.10000	0.0916		

Data File: D9162005.D

Date: 24-JUN-2011 13:19

Client ID: IC-630004 Instrument: hp6890-9.i

Sample Info: IC-630004;604 Operator: Tracy Puccino



TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162006.D
Lab Smp Id: IC-630005 Client Smp ID: IC-630005
Inj Date : 24-JUN-2011 13:37
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630005;605
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 13:37 Cal File: D9162006.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.469	2.469	0.000	5384891	0.10000	0.0949			
2 Aroclor 1016					CAS #: 12674-11-2			
3.163	3.162	0.001	722181	0.80000	0.730	0.00-	0.00	100.00
3.754	3.753	0.001	1276183	0.80000	0.711	0.00-	0.00	176.71
4.422	4.421	0.001	2597790	0.80000	0.722	0.00-	0.00	359.71
4.617	4.618	-0.001	1169527	0.80000	0.716	0.00-	0.00	161.94
5.499	5.499	0.000	1065364	0.80000	0.724	0.00-	0.00	147.52
Average of Peak Amounts =					0.72060			
29 Aroclor 1260					CAS #: 11096-82-5			
7.843	7.842	0.001	2022576	0.80000	0.694	0.00-	0.00	100.00
8.158	8.159	-0.001	1165387	0.80000	0.689	0.00-	0.00	57.62
8.353	8.352	0.001	2698734	0.80000	0.698	0.00-	0.00	133.43
8.596	8.597	-0.001	1969901	0.80000	0.683	0.00-	0.00	97.40
8.963	8.962	0.001	863220	0.80000	0.698	0.00-	0.00	42.68
Average of Peak Amounts =					0.69240			

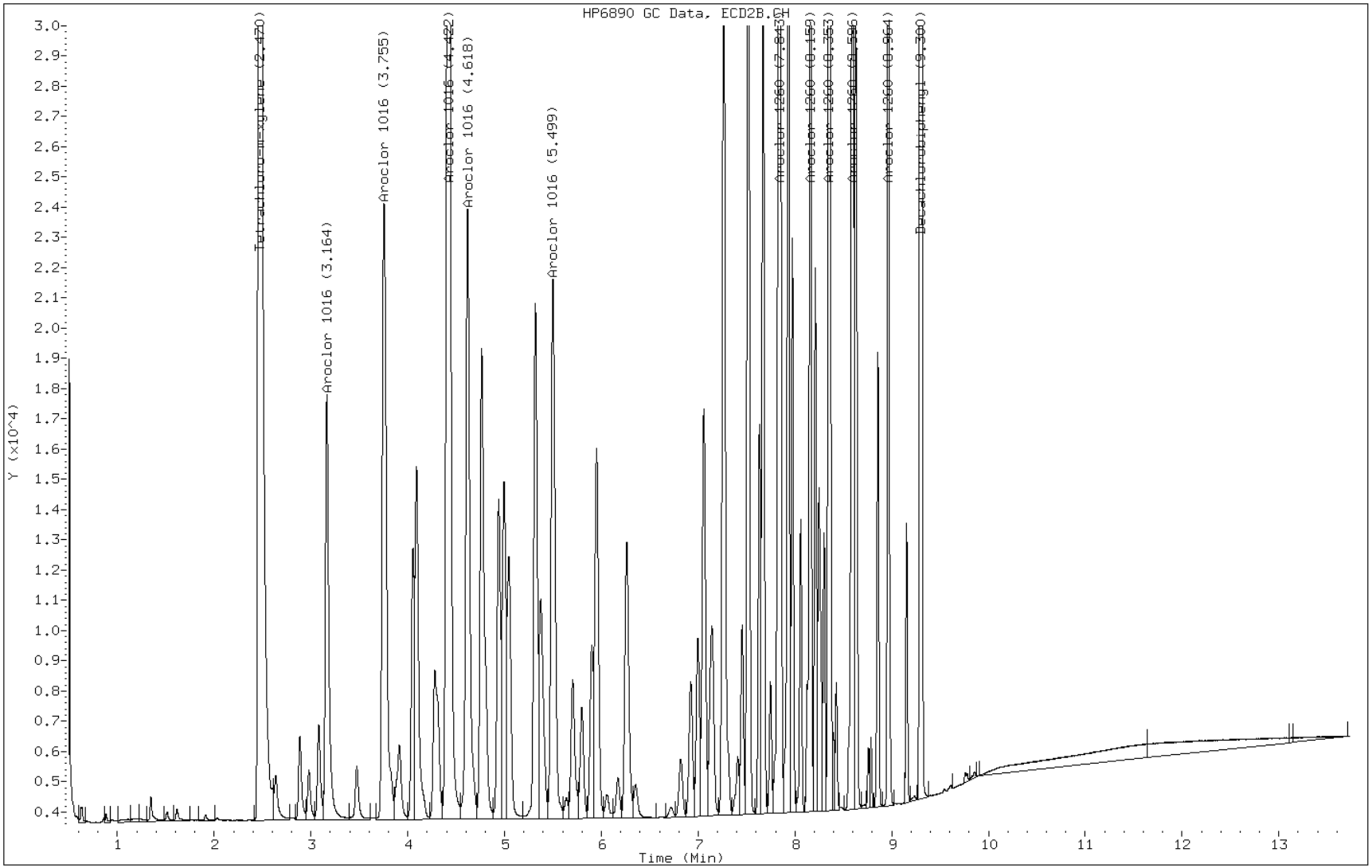
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.299	9.299	0.000	5420529	0.20000	0.175		

Data File: D9162006.D

Date: 24-JUN-2011 13:37

Client ID: IC-630005 Instrument: hp6890-9.i

Sample Info: IC-630005;605 Operator: Tracy Puccino



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 13:56 Calibration End Date: 06/24/2011 13:56 Calibration ID: 11289

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/7	D9162007.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	2.885										2.838 - 2.938	2.885
PCB-1221 Peak 2	3.081										3.030 - 3.130	3.081
PCB-1221 Peak 3	3.164										3.112 - 3.212	3.164
PCB-1221 Peak 4	3.752										3.701 - 3.801	3.752
PCB-1221 Peak 5	4.424										4.372 - 4.472	4.424

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 13:56 Calibration End Date: 06/24/2011 13:56 Calibration ID: 11289

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/7	D9162007.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	510750				Ave		510750.000						20.0			0.9900
PCB-1221 Peak 2	341650				Ave		341650.000						20.0			0.9900
PCB-1221 Peak 3	1370070				Ave		1370070.00						20.0			0.9900
PCB-1221 Peak 4	181180				Ave		181180.000						20.0			0.9900
PCB-1221 Peak 5	244830				Ave		244830.000						20.0			0.9900

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 Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 13:56 Calibration End Date: 06/24/2011 13:56 Calibration ID: 11289

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/7	D9162007.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	51075					0.100				
PCB-1221 Peak 2	Ave	34165					0.100				
PCB-1221 Peak 3	Ave	137007					0.100				
PCB-1221 Peak 4	Ave	18118					0.100				
PCB-1221 Peak 5	Ave	24483					0.100				

Curve Type Legend:

Ave = Average

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162007.D
Lab Smp Id: IC-630006 Client Smp ID: IC-630006
Inj Date : 24-JUN-2011 13:56
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630006;212
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 13:56 Cal File: D9162007.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1221.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

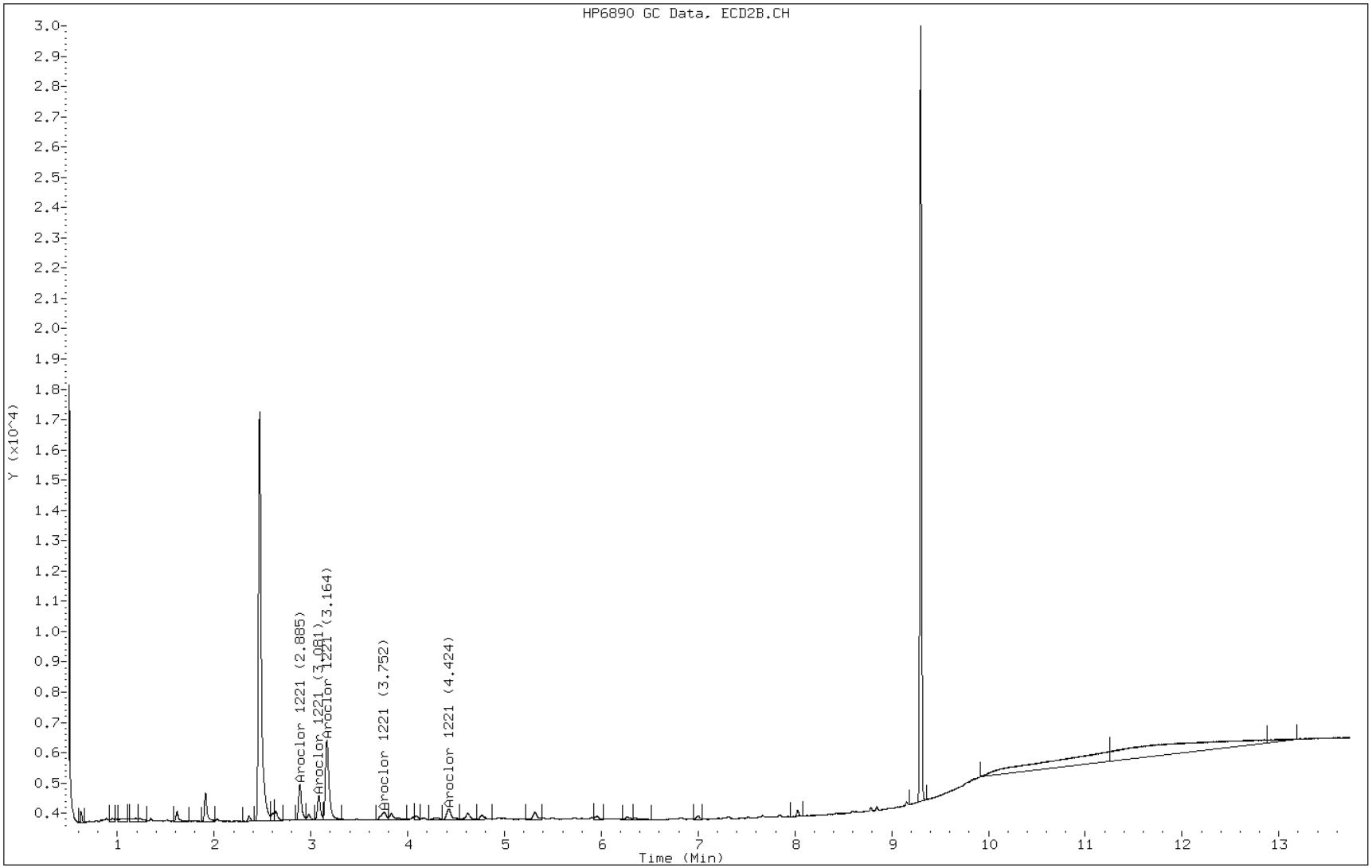
				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
5 Aroclor 1221					CAS #: 11104-28-2			
2.885	2.887	-0.002	51075	0.10000	0.100	0.00-	0.00	100.00
3.080	3.080	0.000	34165	0.10000	0.100	0.00-	0.00	66.89
3.164	3.162	0.002	137007	0.10000	0.100	0.00-	0.00	268.24
3.751	3.750	0.001	18118	0.10000	0.100	0.00-	0.00	35.47
4.423	4.421	0.002	24483	0.10000	0.100	0.00-	0.00	47.94
Average of Peak Amounts =					0.10000			

Data File: D9162007.D

Date: 24-JUN-2011 13:56

Client ID: IC-630006 Instrument: hp6890-9.i

Sample Info: IC-630006;212 Operator: Tracy Puccino



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:15 Calibration End Date: 06/24/2011 14:15 Calibration ID: 11290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/8	D9162008.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.164										3.112 - 3.212	3.164
PCB-1232 Peak 2	3.755										3.702 - 3.802	3.755
PCB-1232 Peak 3	4.422										4.371 - 4.471	4.422
PCB-1232 Peak 4	4.618										4.569 - 4.669	4.618
PCB-1232 Peak 5	4.765										4.712 - 4.812	4.765

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:15 Calibration End Date: 06/24/2011 14:15 Calibration ID: 11290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/8	D9162008.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	1243710				Ave		1243710.00						20.0			0.9900
PCB-1232 Peak 2	905360				Ave		905360.000						20.0			0.9900
PCB-1232 Peak 3	1638330				Ave		1638330.00						20.0			0.9900
PCB-1232 Peak 4	786930				Ave		786930.000						20.0			0.9900
PCB-1232 Peak 5	634620				Ave		634620.000						20.0			0.9900

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 Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:15 Calibration End Date: 06/24/2011 14:15 Calibration ID: 11290

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/8	D9162008.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	124371					0.100				
PCB-1232 Peak 2	Ave	90536					0.100				
PCB-1232 Peak 3	Ave	163833					0.100				
PCB-1232 Peak 4	Ave	78693					0.100				
PCB-1232 Peak 5	Ave	63462					0.100				

Curve Type Legend:
Ave = Average

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162008.D
Lab Smp Id: IC-630007 Client Smp ID: IC-630007
Inj Date : 24-JUN-2011 14:15
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630007;322
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 14:15 Cal File: D9162008.D
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1232.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

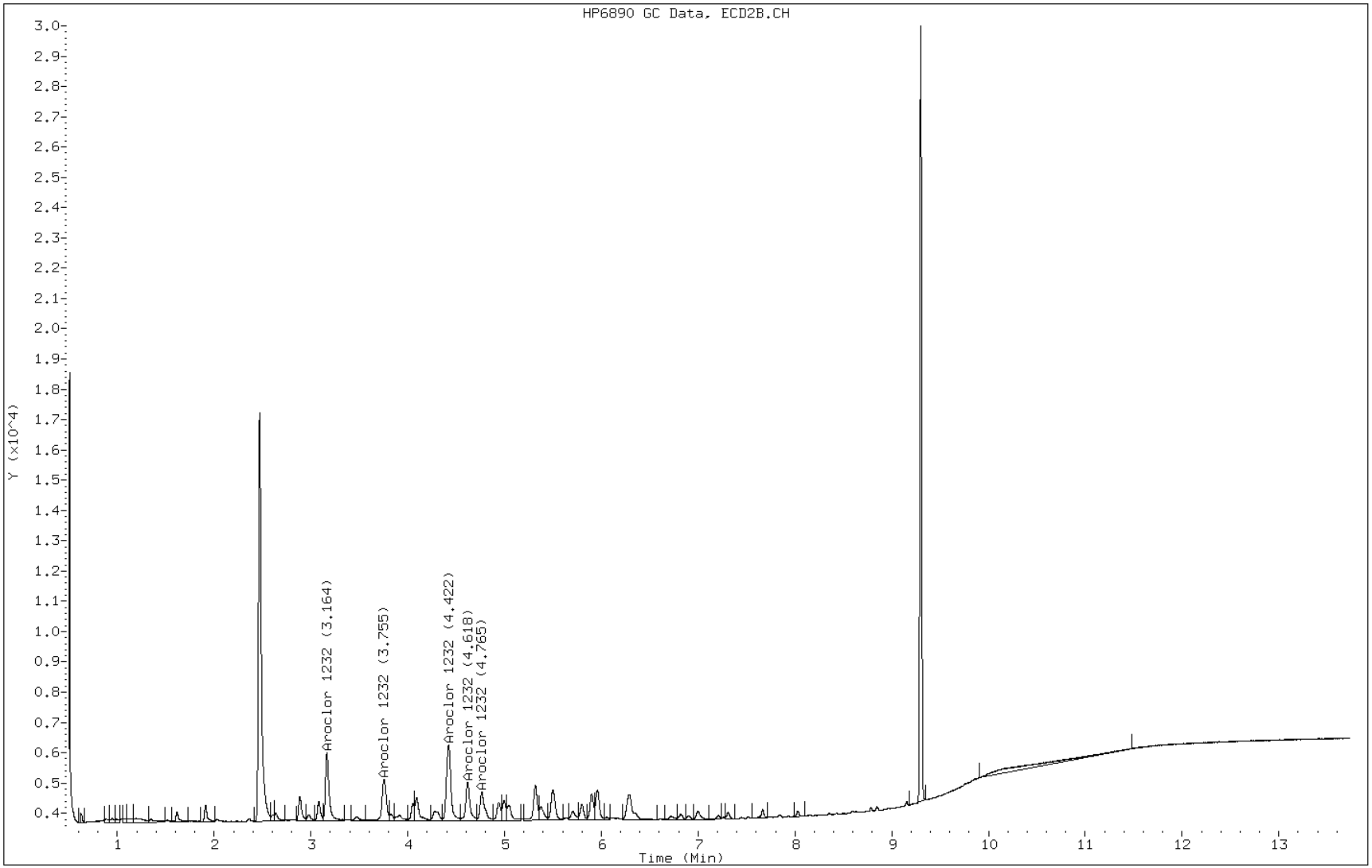
				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
4 Aroclor 1232					CAS #: 11141-16-5			
3.164	3.162	0.002	124371	0.10000	0.100	0.00-	0.00	100.00
3.754	3.752	0.002	90536	0.10000	0.100	0.00-	0.00	72.80
4.421	4.420	0.001	163833	0.10000	0.100	0.00-	0.00	131.73
4.618	4.619	-0.001	78693	0.10000	0.100	0.00-	0.00	63.27
4.764	4.762	0.002	63462	0.10000	0.100	0.00-	0.00	51.03
			Average of Peak Amounts =		0.10000			

Data File: D9162008.D

Date: 24-JUN-2011 14:15

Client ID: IC-630007 Instrument: hp6890-9.i

Sample Info: IC-630007;322 Operator: Tracy Puccino



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:34 Calibration End Date: 06/24/2011 14:34 Calibration ID: 11291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/9	D9162009.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	3.164										3.112 - 3.212	3.164
PCB-1242 Peak 2	3.755										3.702 - 3.802	3.755
PCB-1242 Peak 3	4.422										4.371 - 4.471	4.422
PCB-1242 Peak 4	4.618										4.569 - 4.669	4.618
PCB-1242 Peak 5	4.940										4.890 - 4.990	4.940

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:34 Calibration End Date: 06/24/2011 14:34 Calibration ID: 11291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/9	D9162009.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	869890				Ave		869890.000						20.0			0.9900
PCB-1242 Peak 2	1545980				Ave		1545980.00						20.0			0.9900
PCB-1242 Peak 3	2903890				Ave		2903890.00						20.0			0.9900
PCB-1242 Peak 4	1333440				Ave		1333440.00						20.0			0.9900
PCB-1242 Peak 5	575270				Ave		575270.000						20.0			0.9900

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 Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:34 Calibration End Date: 06/24/2011 14:34 Calibration ID: 11291

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/9	D9162009.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	86989					0.100				
PCB-1242 Peak 2	Ave	154598					0.100				
PCB-1242 Peak 3	Ave	290389					0.100				
PCB-1242 Peak 4	Ave	133344					0.100				
PCB-1242 Peak 5	Ave	57527					0.100				

Curve Type Legend:
Ave = Average

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162009.D
Lab Smp Id: IC-630008 Client Smp ID: IC-630008
Inj Date : 24-JUN-2011 14:34
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630008;422
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 14:34 Cal File: D9162009.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1242.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

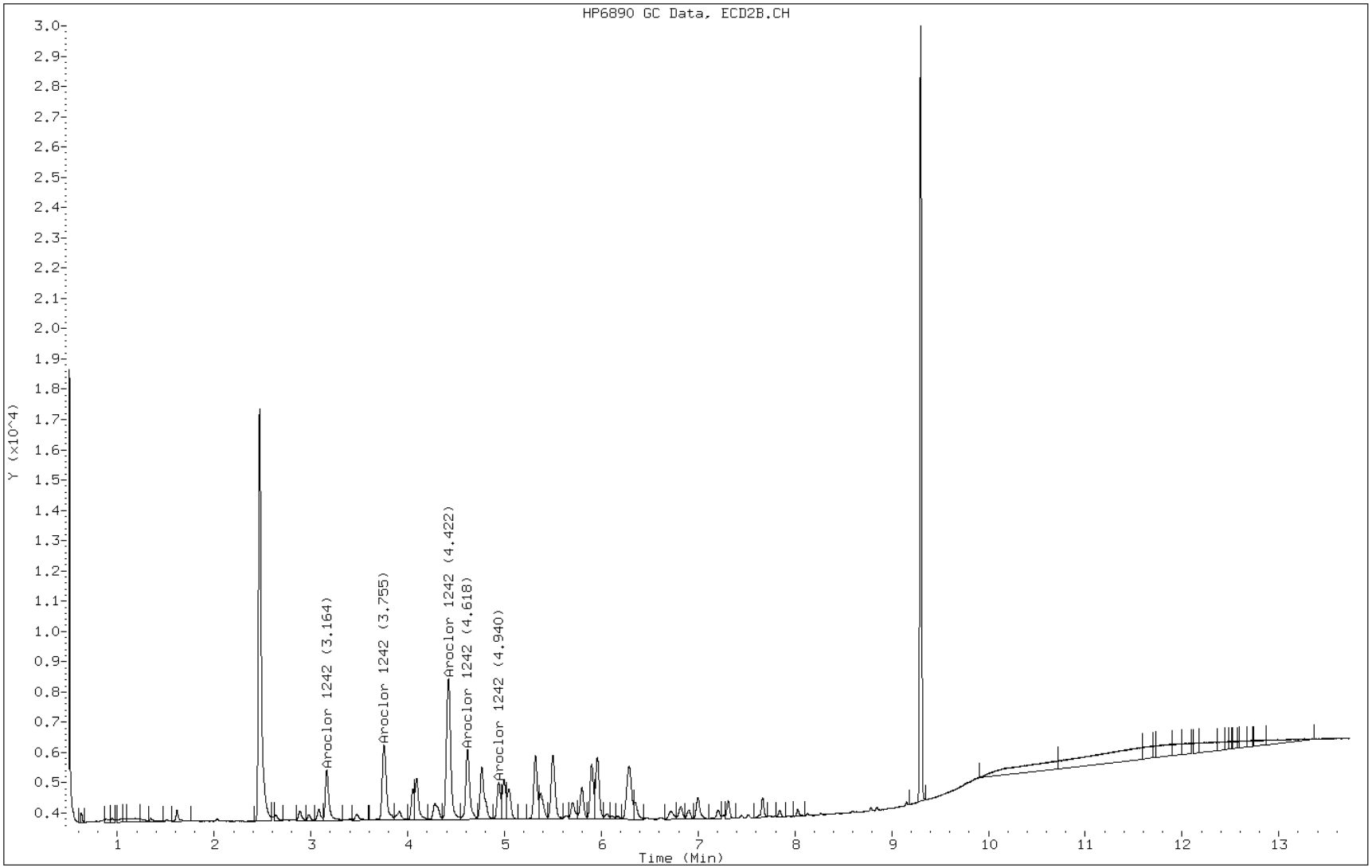
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
6 Aroclor 1242					CAS #: 53469-21-9			
3.163	3.161	0.002	86989	0.10000	0.100	0.00-	0.00	100.00
3.754	3.752	0.002	154598	0.10000	0.100	0.00-	0.00	177.72
4.421	4.420	0.001	290389	0.10000	0.100	0.00-	0.00	333.82
4.617	4.618	-0.001	133344	0.10000	0.100	0.00-	0.00	153.29
4.940	4.940	0.000	57527	0.10000	0.100	0.00-	0.00	66.13
		Average of Peak Amounts =		0.10000				

Data File: D9162009.D

Date: 24-JUN-2011 14:34

Client ID: IC-630008 Instrument: hp6890-9.i

Sample Info: IC-630008;422 Operator: Tracy Puccino



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:53 Calibration End Date: 06/24/2011 14:53 Calibration ID: 11292

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/10	D9162010.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.752										3.701 - 3.801	3.752
PCB-1248 Peak 2	4.419										4.369 - 4.469	4.419
PCB-1248 Peak 3	5.319										5.270 - 5.370	5.319
PCB-1248 Peak 4	5.957										5.909 - 6.009	5.957
PCB-1248 Peak 5	6.285										6.238 - 6.338	6.285

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:53 Calibration End Date: 06/24/2011 14:53 Calibration ID: 11292

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/10	D9162010.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	687850				Ave		687850.000						20.0			0.9900
PCB-1248 Peak 2	1852970				Ave		1852970.00						20.0			0.9900
PCB-1248 Peak 3	1691020				Ave		1691020.00						20.0			0.9900
PCB-1248 Peak 4	1971470				Ave		1971470.00						20.0			0.9900
PCB-1248 Peak 5	2137520				Ave		2137520.00						20.0			0.9900

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 Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 14:53 Calibration End Date: 06/24/2011 14:53 Calibration ID: 11292

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/10	D9162010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	68785					0.100				
PCB-1248 Peak 2	Ave	185297					0.100				
PCB-1248 Peak 3	Ave	169102					0.100				
PCB-1248 Peak 4	Ave	197147					0.100				
PCB-1248 Peak 5	Ave	213752					0.100				

Curve Type Legend:
Ave = Average

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162010.D
Lab Smp Id: IC-630009 Client Smp ID: IC-630009
Inj Date : 24-JUN-2011 14:53
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630009;482
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 14:53 Cal File: D9162010.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1248.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

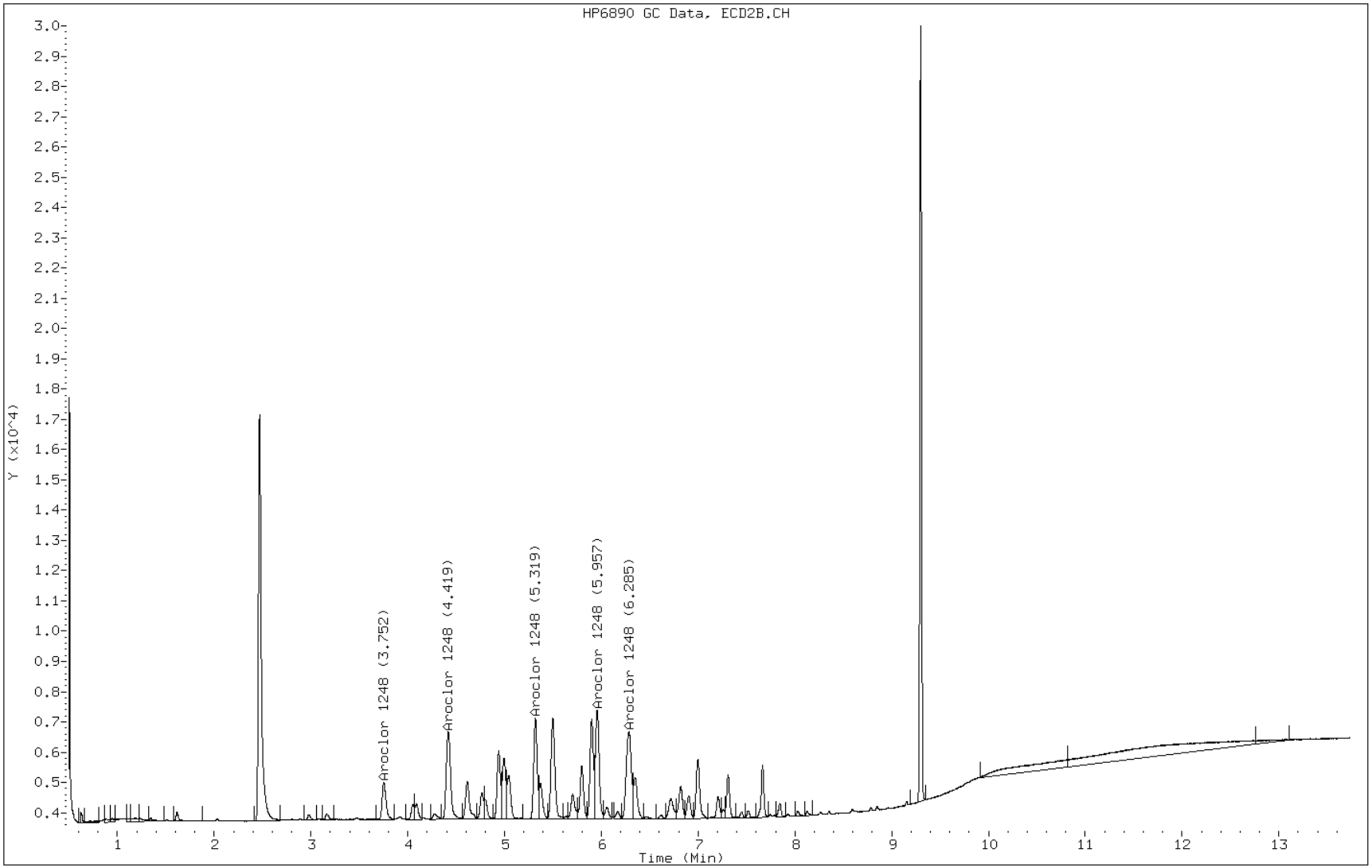
				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
9 Aroclor 1248					CAS #: 12672-29-6			
3.751	3.750	0.001	68785	0.10000	0.100	0.00-	0.00	100.00
4.418	4.419	-0.001	185297	0.10000	0.100	0.00-	0.00	269.39
5.319	5.319	0.000	169102	0.10000	0.100	0.00-	0.00	245.84
5.957	5.958	-0.001	197147	0.10000	0.100	0.00-	0.00	286.61
6.285	6.287	-0.002	213752	0.10000	0.100	0.00-	0.00	310.75
		Average of Peak Amounts =		0.10000				

Data File: D9162010.D

Date: 24-JUN-2011 14:53

Client ID: IC-630009 Instrument: hp6890-9.i

Sample Info: IC-630009;482 Operator: Tracy Puccino



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 15:12 Calibration End Date: 06/24/2011 15:12 Calibration ID: 11293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/11	D9162011.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	6.261										6.210 - 6.310	6.261
PCB-1254 Peak 2	6.349										6.300 - 6.400	6.349
PCB-1254 Peak 3	6.820										6.770 - 6.870	6.820
PCB-1254 Peak 4	6.996										6.948 - 7.048	6.996
PCB-1254 Peak 5	7.309										7.259 - 7.359	7.309

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 15:12 Calibration End Date: 06/24/2011 15:12 Calibration ID: 11293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/11	D9162011.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	1965120				Ave		1965120.00						20.0			0.9900
PCB-1254 Peak 2	1480940				Ave		1480940.00						20.0			0.9900
PCB-1254 Peak 3	1593510				Ave		1593510.00						20.0			0.9900
PCB-1254 Peak 4	2911010				Ave		2911010.00						20.0			0.9900
PCB-1254 Peak 5	1877110				Ave		1877110.00						20.0			0.9900

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 Connecticut Job No.: 220-15866-1 Analy Batch No.: 52284

SDG No.:

Instrument ID: GC9 GC Column: RTX-CLPII ID: Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2011 15:12 Calibration End Date: 06/24/2011 15:12 Calibration ID: 11293

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 220-52284/11	D9162011.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	196512					0.100				
PCB-1254 Peak 2	Ave	148094					0.100				
PCB-1254 Peak 3	Ave	159351					0.100				
PCB-1254 Peak 4	Ave	291101					0.100				
PCB-1254 Peak 5	Ave	187711					0.100				

Curve Type Legend:
Ave = Average

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162011.D
Lab Smp Id: IC-630010 Client Smp ID: IC-630010
Inj Date : 24-JUN-2011 15:12
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : IC-630010;542
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082.b\D9162-8082.m
Meth Date : 27-Jun-2011 07:57 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 15:12 Cal File: D9162011.D
Als bottle: 11 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1254.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

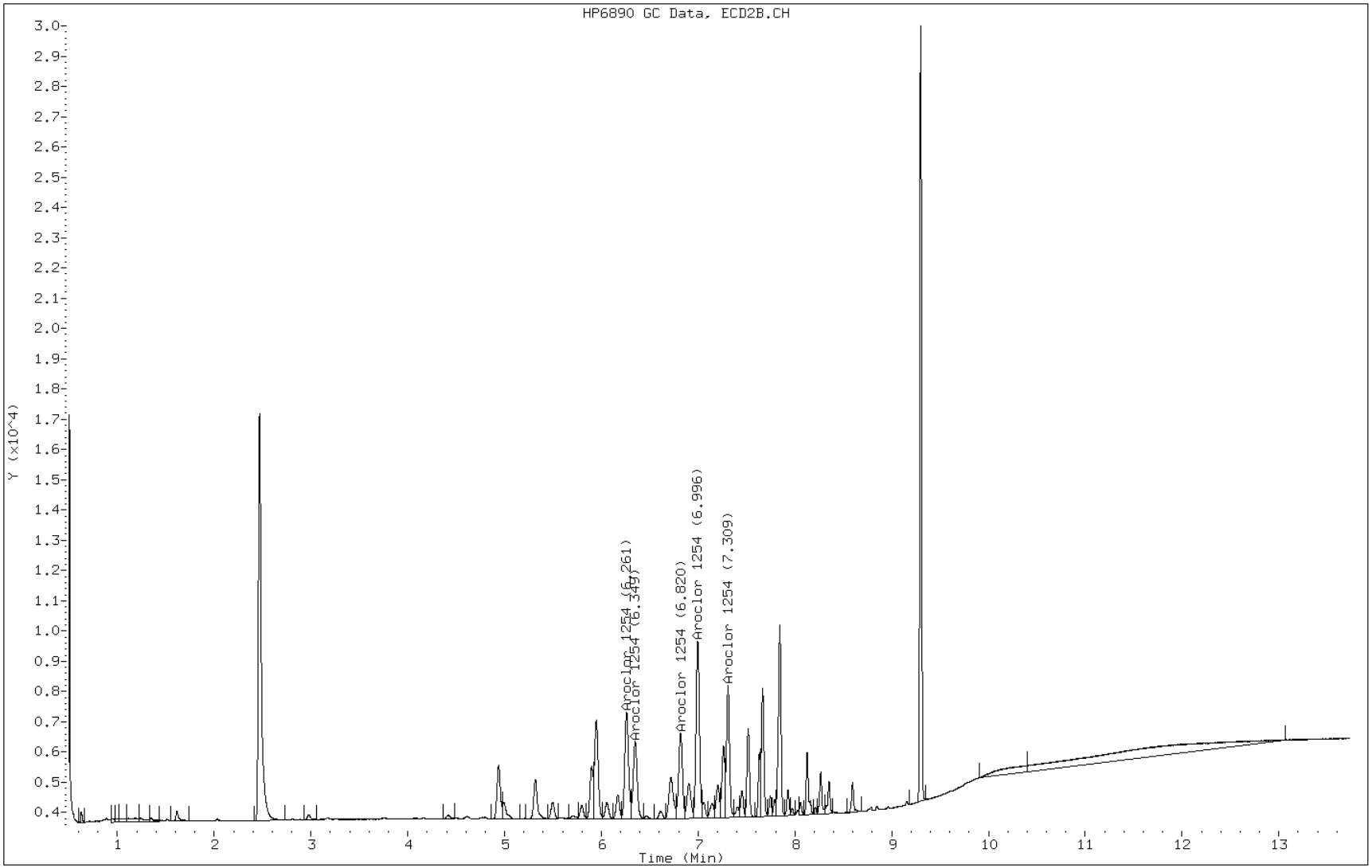
				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
14 Aroclor 1254					CAS #: 11097-69-5			
6.260	6.260	0.000	196512	0.10000	0.100	0.00-	0.00	100.00
6.349	6.349	0.000	148094	0.10000	0.100	0.00-	0.00	75.36
6.819	6.819	0.000	159351	0.10000	0.100	0.00-	0.00	81.09
6.996	6.998	-0.002	291101	0.10000	0.100	0.00-	0.00	148.13
7.308	7.309	-0.001	187711	0.10000	0.100	0.00-	0.00	95.52
		Average of Peak Amounts =		0.10000				

Data File: D9162011.D

Date: 24-JUN-2011 15:12

Client ID: IC-630010 Instrument: hp6890-9.i

Sample Info: IC-630010;542 Operator: Tracy Puccino



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Lab Sample ID: CCV 220-52430/1 Calibration Date: 06/29/2011 08:25

Instrument ID: GC9 Calib Start Date: 06/24/2011 12:03

GC Column: RTX-CLPII ID: Calib End Date: 06/24/2011 13:37

Lab File ID: D9162089.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	989657	1023935		0.207	0.200	3.5	15.0
PCB-1016 Peak 2	Ave	1794086	1895175		0.211	0.200	5.6	15.0
PCB-1016 Peak 3	Ave	3595321	3936675		0.219	0.200	9.5	15.0
PCB-1016 Peak 4	Ave	1633377	1803055		0.221	0.200	10.4	15.0
PCB-1016 Peak 5	Ave	1470978	1624240		0.221	0.200	10.4	15.0
PCB-1260 Peak 1	Ave	2914638	3581720		0.246	0.200	22.9*	15.0
PCB-1260 Peak 2	Ave	1691691	1985610		0.235	0.200	17.4*	15.0
PCB-1260 Peak 3	Ave	3865971	4488505		0.232	0.200	16.1*	15.0
PCB-1260 Peak 4	Ave	2882349	3135580		0.218	0.200	8.8	15.0
PCB-1260 Peak 5	Ave	1237244	1334770		0.216	0.200	7.9	15.0
Tetrachloro-m-xylene	Ave	56757632	58033240		0.0256	0.0250	2.2	15.0
DCB Decachlorobiphenyl	Ave	31019416	33326040		0.0537	0.0500	7.4	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Lab Sample ID: CCV 220-52430/1 Calibration Date: 06/29/2011 08:25

Instrument ID: GC9 Calib Start Date: 06/24/2011 12:03

GC Column: RTX-CLPII ID: Calib End Date: 06/24/2011 13:37

Lab File ID: D9162089.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.16	3.11	3.21
PCB-1016 Peak 2	3.75	3.70	3.80
PCB-1016 Peak 3	4.41	4.37	4.47
PCB-1016 Peak 4	4.61	4.57	4.67
PCB-1016 Peak 5	5.49	5.45	5.55
PCB-1260 Peak 1	7.84	7.79	7.89
PCB-1260 Peak 2	8.16	8.11	8.21
PCB-1260 Peak 3	8.35	8.30	8.40
PCB-1260 Peak 4	8.59	8.55	8.65
PCB-1260 Peak 5	8.96	8.91	9.01
Tetrachloro-m-xylene	2.46	2.42	2.52
DCB Decachlorobiphenyl	9.30	9.25	9.35

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162089.D
Lab Smp Id: CCV-621109 Client Smp ID: CCV-621109
Inj Date : 29-JUN-2011 08:25
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : CCV-621109
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 100 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGC9

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
2.462	2.469	-0.007	1450831	0.02500	0.0256			
2 Aroclor 1016						CAS #: 12674-11-2		
3.155	3.162	-0.007	204787	0.20000	0.207	0.00-	0.00	100.00
3.746	3.753	-0.007	379035	0.20000	0.211	0.00-	0.00	185.09
4.413	4.421	-0.008	787335	0.20000	0.219	0.00-	0.00	384.47
4.609	4.618	-0.009	360611	0.20000	0.221	0.00-	0.00	176.09
5.489	5.499	-0.010	324848	0.20000	0.221	0.00-	0.00	158.63
Average of Peak Amounts =					0.21580			
29 Aroclor 1260						CAS #: 11096-82-5		
7.839	7.842	-0.003	716344	0.20000	0.246	0.00-	0.00	100.00(M)
8.155	8.159	-0.004	397122	0.20000	0.235	0.00-	0.00	55.44
8.350	8.352	-0.002	897701	0.20000	0.232	0.00-	0.00	125.32
8.593	8.597	-0.004	627116	0.20000	0.218	0.00-	0.00	87.54
8.961	8.962	-0.001	266954	0.20000	0.216	0.00-	0.00	37.27
Average of Peak Amounts =					0.22940			

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.298	9.299	-0.001	1666302	0.05000	0.0537		

QC Flag Legend

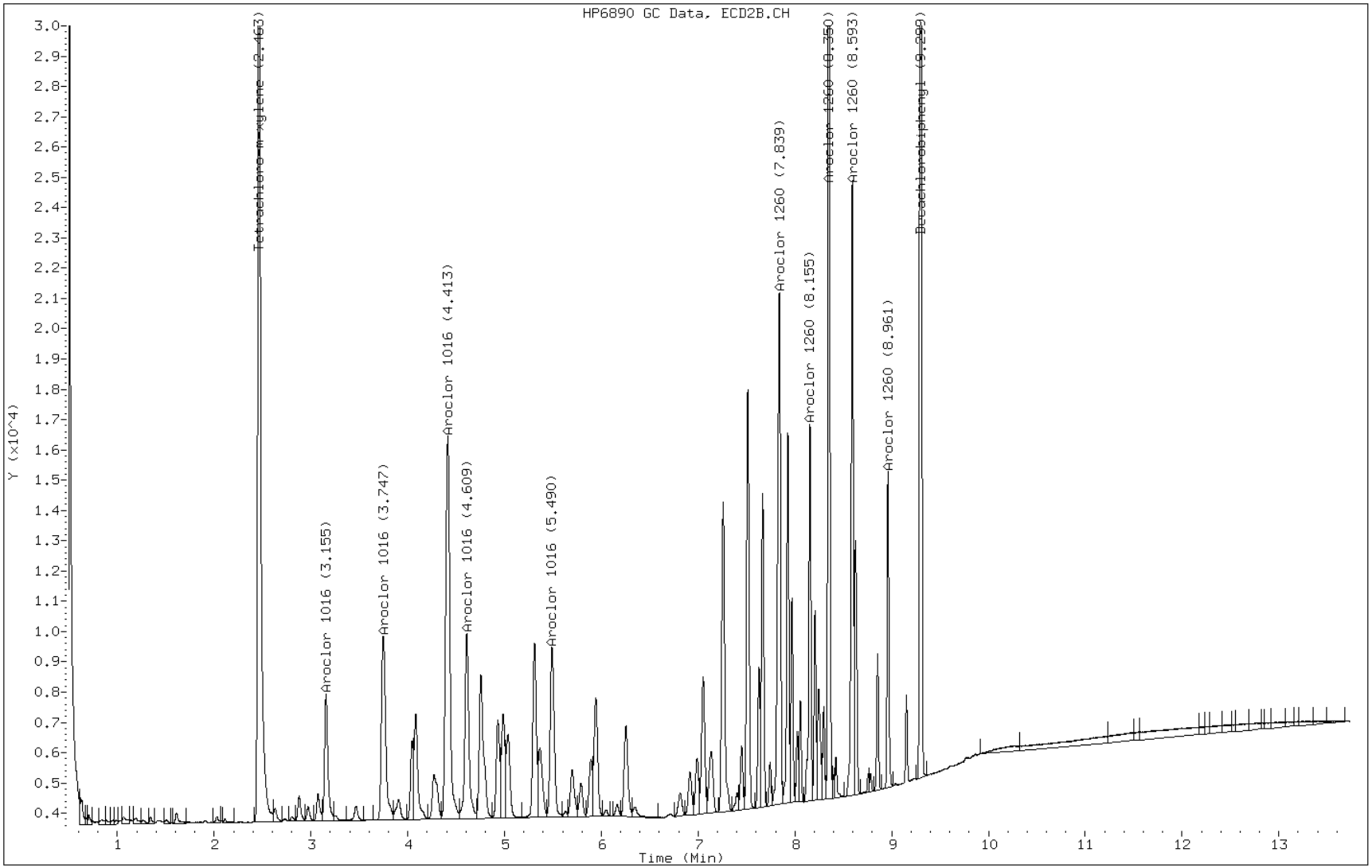
M - Compound response manually integrated.

Data File: D9162089.D

Date: 29-JUN-2011 08:25

Client ID: CCV-621109 Instrument: hp6890-9.i

Sample Info: CCV-621109 Operator: Tracy Puccino



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Lab Sample ID: CCV 220-52430/19 Calibration Date: 06/29/2011 14:12

Instrument ID: GC9 Calib Start Date: 06/24/2011 12:03

GC Column: RTX-CLPII ID: Calib End Date: 06/24/2011 13:37

Lab File ID: D9162107.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	989657	1001765		0.202	0.200	1.2	15.0
PCB-1016 Peak 2	Ave	1794086	1837410		0.205	0.200	2.4	15.0
PCB-1016 Peak 3	Ave	3595321	3730850		0.208	0.200	3.8	15.0
PCB-1016 Peak 4	Ave	1633377	1711735		0.210	0.200	4.8	15.0
PCB-1016 Peak 5	Ave	1470978	1540710		0.209	0.200	4.7	15.0
PCB-1260 Peak 1	Ave	2914638	3038125		0.208	0.200	4.2	15.0
PCB-1260 Peak 2	Ave	1691691	1774045		0.210	0.200	4.9	15.0
PCB-1260 Peak 3	Ave	3865971	4085330		0.211	0.200	5.7	15.0
PCB-1260 Peak 4	Ave	2882349	3057955		0.212	0.200	6.1	15.0
PCB-1260 Peak 5	Ave	1237244	1381210		0.223	0.200	11.6	15.0
Tetrachloro-m-xylene	Ave	56757632	56659160		0.0250	0.0250	-0.2	15.0
DCB Decachlorobiphenyl	Ave	31019416	34207340		0.0551	0.0500	10.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Lab Sample ID: CCV 220-52430/19 Calibration Date: 06/29/2011 14:12

Instrument ID: GC9 Calib Start Date: 06/24/2011 12:03

GC Column: RTX-CLPII ID: Calib End Date: 06/24/2011 13:37

Lab File ID: D9162107.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.16	3.11	3.21
PCB-1016 Peak 2	3.75	3.70	3.80
PCB-1016 Peak 3	4.41	4.37	4.47
PCB-1016 Peak 4	4.61	4.57	4.67
PCB-1016 Peak 5	5.49	5.45	5.55
PCB-1260 Peak 1	7.84	7.79	7.89
PCB-1260 Peak 2	8.15	8.11	8.21
PCB-1260 Peak 3	8.35	8.30	8.40
PCB-1260 Peak 4	8.59	8.55	8.65
PCB-1260 Peak 5	8.96	8.91	9.01
Tetrachloro-m-xylene	2.47	2.42	2.52
DCB Decachlorobiphenyl	9.30	9.25	9.35

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162107.D
Lab Smp Id: CCV-621109 Client Smp ID: CCV-621109
Inj Date : 29-JUN-2011 14:12
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : CCV-621109
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 14:36 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ar1660.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

				AMOUNTS				
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.465	2.469	-0.004	1416479	0.02500	0.0250			
2 Aroclor 1016					CAS #: 12674-11-2			
3.158	3.162	-0.004	200353	0.20000	0.202	0.00-	0.00	100.00
3.747	3.753	-0.006	367482	0.20000	0.205	0.00-	0.00	183.42
4.414	4.421	-0.007	746170	0.20000	0.208	0.00-	0.00	372.43
4.610	4.618	-0.008	342347	0.20000	0.210	0.00-	0.00	170.87
5.490	5.499	-0.009	308142	0.20000	0.209	0.00-	0.00	153.80
Average of Peak Amounts =				0.20680				
29 Aroclor 1260					CAS #: 11096-82-5			
7.838	7.842	-0.004	607625	0.20000	0.208	0.00-	0.00	100.00
8.154	8.159	-0.005	354809	0.20000	0.210	0.00-	0.00	58.39
8.349	8.352	-0.003	817066	0.20000	0.211	0.00-	0.00	134.47
8.592	8.597	-0.005	611591	0.20000	0.212	0.00-	0.00	100.65
8.960	8.962	-0.002	276242	0.20000	0.223	0.00-	0.00	45.46
Average of Peak Amounts =				0.21280				

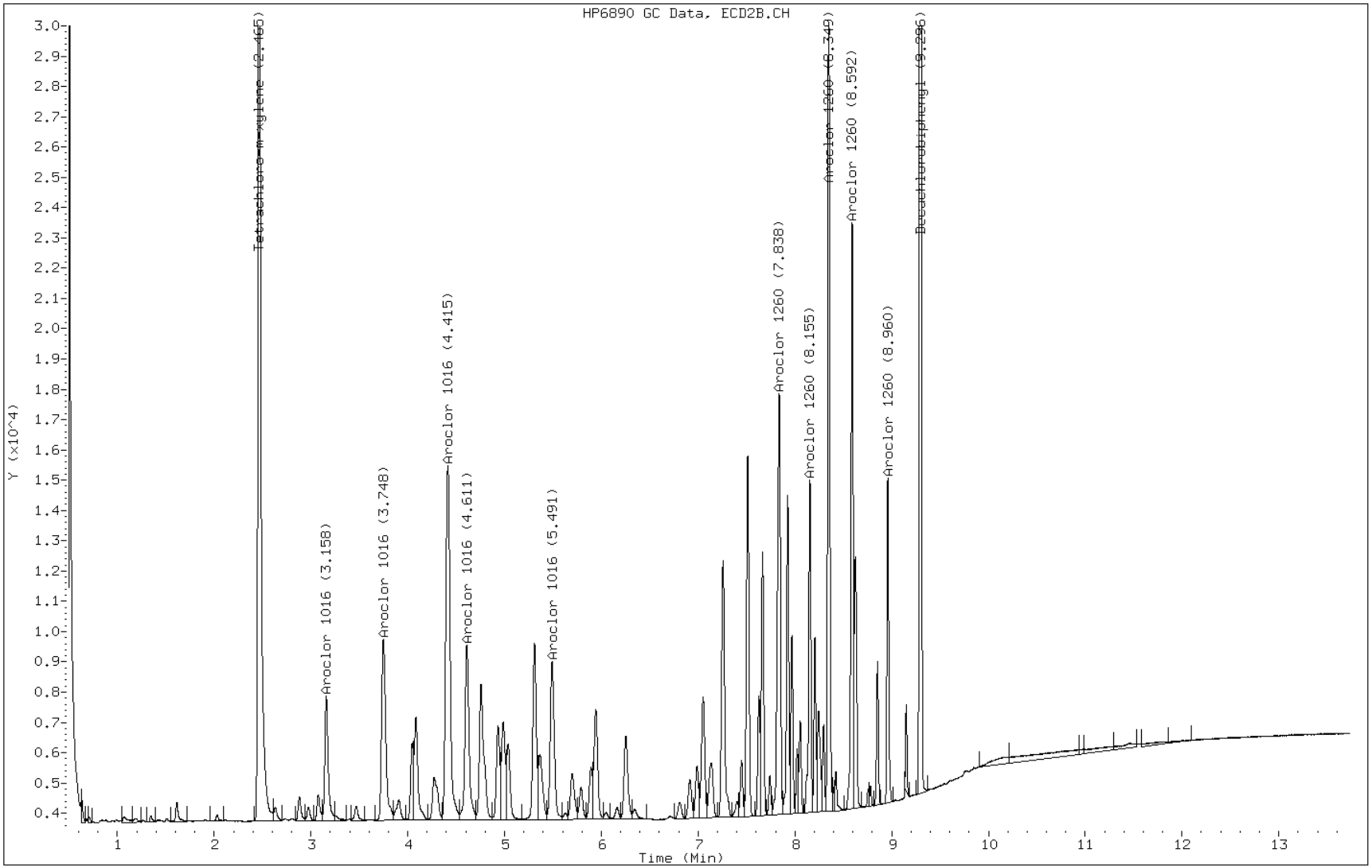
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	1710367	0.05000	0.0551		

Data File: D9162107.D

Date: 29-JUN-2011 14:12

Client ID: CCV-621109 Instrument: hp6890-9.i

Sample Info: CCV-621109 Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 220-52368/1-A

Matrix: Water | Lab File ID: D9162091.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 09:09

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		22-145
2051-24-3	DCB Decachlorobiphenyl	84		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162091.D
Lab Smp Id: MB 220-52368/1-A Client Smp ID: MB 220-52368/1-A
Inj Date : 29-JUN-2011 09:09
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : MB 220-52368/1-A
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

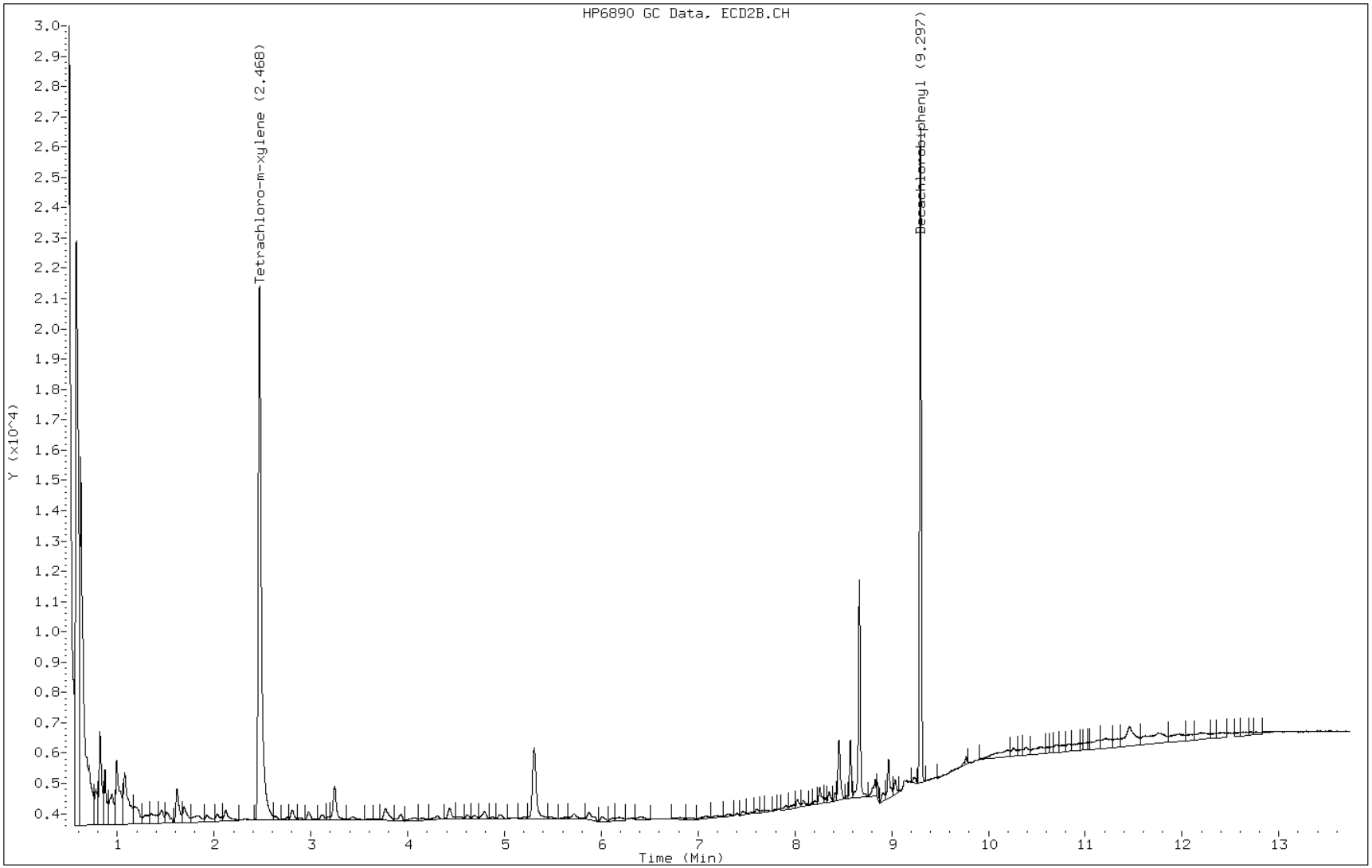
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.468	2.469	-0.001	810185	0.01427	0.143		
$ 34 Decachlorobiphenyl					CAS #:		
9.297	9.299	-0.002	520754	0.01679	0.168		

Data File: D9162091.D

Date: 29-JUN-2011 09:09

Client ID: MB 220-52368/1-A Instrument: hp6890-9.i

Sample Info: MB 220-52368/1-A Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 220-52430/2

Matrix: Water | Lab File ID: D9162090.D

Analysis Method: 8082 | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 06/29/2011 08:50

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		22-145
2051-24-3	DCB Decachlorobiphenyl	113		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162090.D
Lab Smp Id: PIBLK-621763 Client Smp ID: PIBLK-621763
Inj Date : 29-JUN-2011 08:50
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : PIBLK-621763
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 1 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.465	2.469	-0.004	1047396	0.01845	0.184		
$ 34 Decachlorobiphenyl					CAS #:		
9.297	9.299	-0.002	701898	0.02263	0.226		(M)

QC Flag Legend

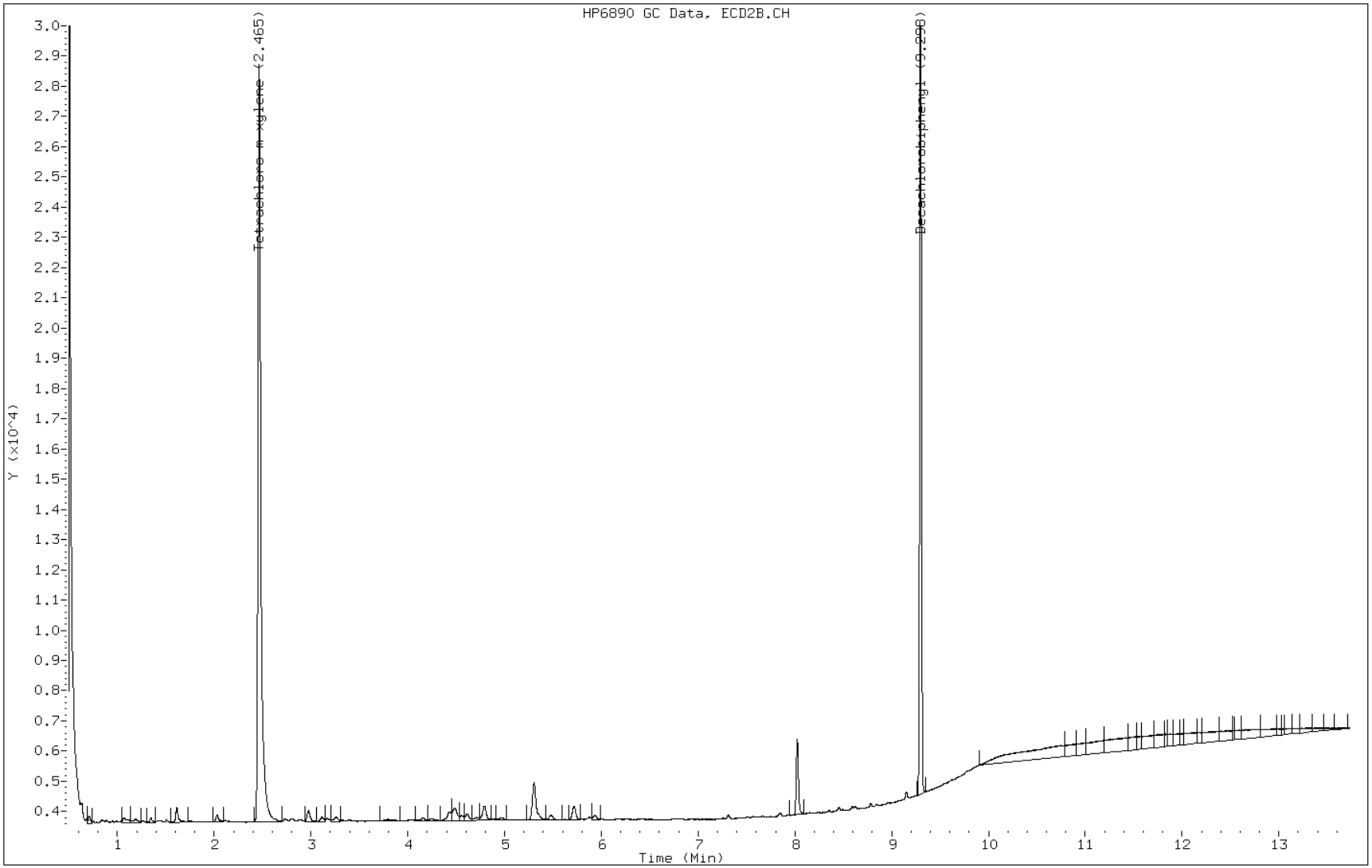
M - Compound response manually integrated.

Data File: D9162090.D

Date: 29-JUN-2011 08:50

Client ID: PIBLK-621763 Instrument: hp6890-9.i

Sample Info: PIBLK-621763 Operator: Tracy Puccino



Manual Integration Report

Data File: D9162090.D
Inj. Date and Time: 29-JUN-2011 08:50
Instrument ID: hp6890-9.i
Client ID: PIBLK-621763
Compound: 34 Decachlorobiphenyl
CAS #:
Report Date: 06/29/2011

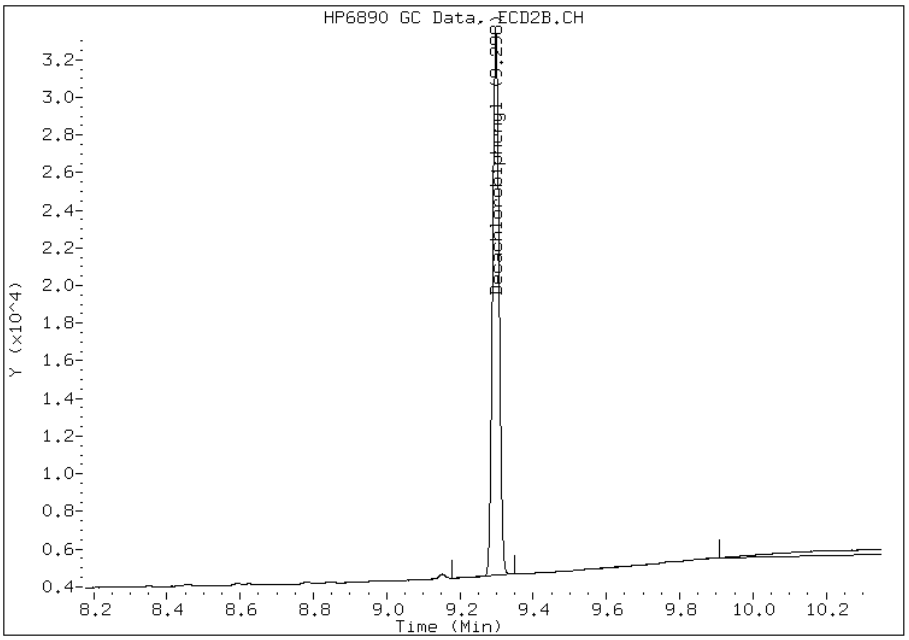
Processing Integration Results

RT: 9.30

Response: 700181

Amount: 0.02

Conc: 0.23



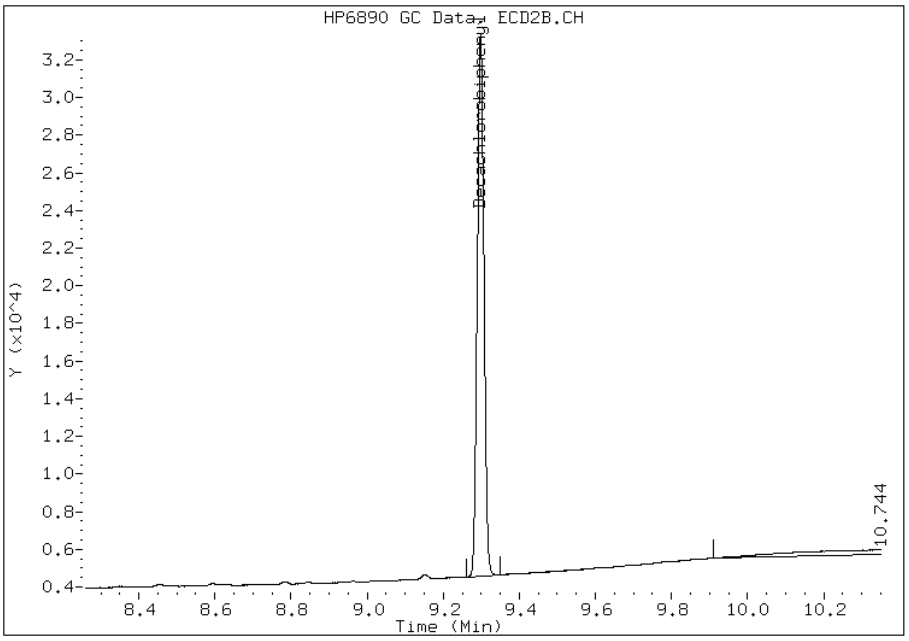
Manual Integration Results

RT: 9.30

Response: 701898

Amount: 0.02

Conc: 0.23



Manually Integrated By: tracy
Manual Integration Reason: Fused peaks (PCB's)

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 220-52430/20

Matrix: Water | Lab File ID: D9162108.D

Analysis Method: 8082 | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: | Date Analyzed: 06/29/2011 14:31

Con. Extract Vol.: | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.50	U	0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	0.50	U	0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		22-145
2051-24-3	DCB Decachlorobiphenyl	115		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162108.D
Lab Smp Id: PIBLK-621763 Client Smp ID: PIBLK-621763
Inj Date : 29-JUN-2011 14:31
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : PIBLK-621763
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 14:36 tracy Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 19 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
2.465	2.469	-0.004	1046436	0.01844	0.184		
$ 34 Decachlorobiphenyl					CAS #:		
9.295	9.299	-0.004	710450	0.02290	0.229		(M)

QC Flag Legend

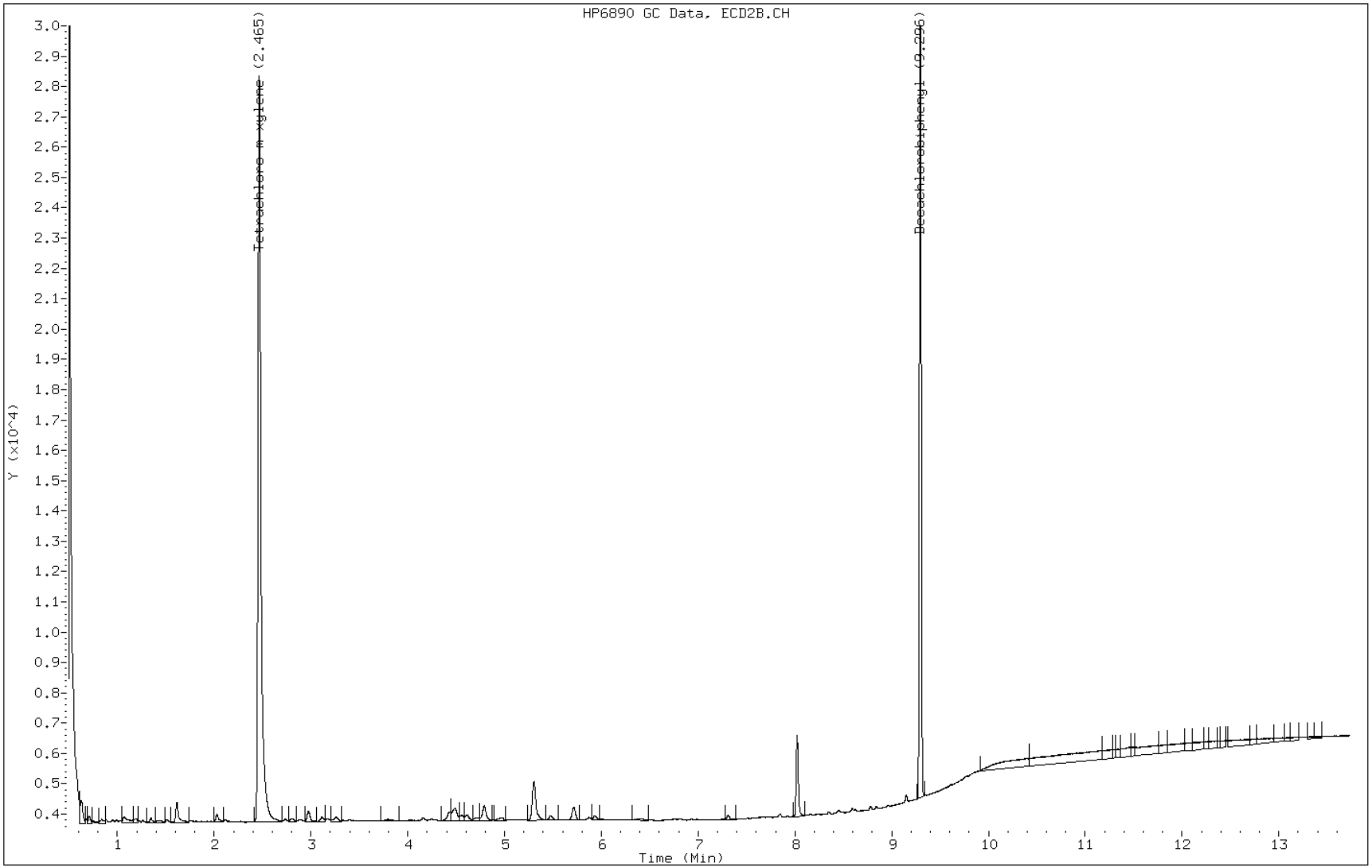
M - Compound response manually integrated.

Data File: D9162108.D

Date: 29-JUN-2011 14:31

Client ID: PIBLK-621763 Instrument: hp6890-9.i

Sample Info: PIBLK-621763 Operator: Tracy Puccino



Manual Integration Report

Data File: D9162108.D
Inj. Date and Time: 29-JUN-2011 14:31
Instrument ID: hp6890-9.i
Client ID: PIBLK-621763
Compound: 34 Decachlorobiphenyl
CAS #:
Report Date: 06/29/2011

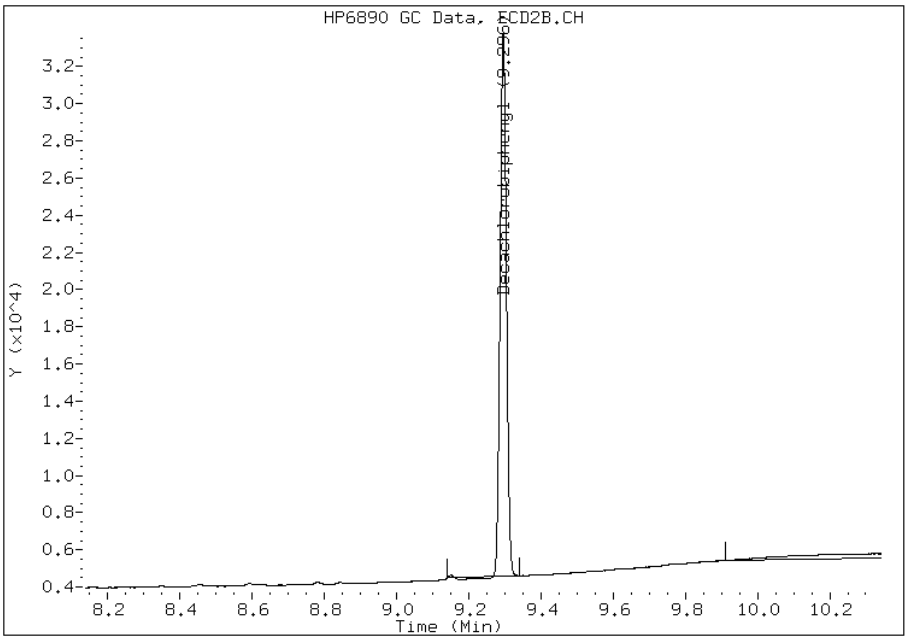
Processing Integration Results

RT: 9.30

Response: 695824

Amount: 0.02

Conc: 0.22



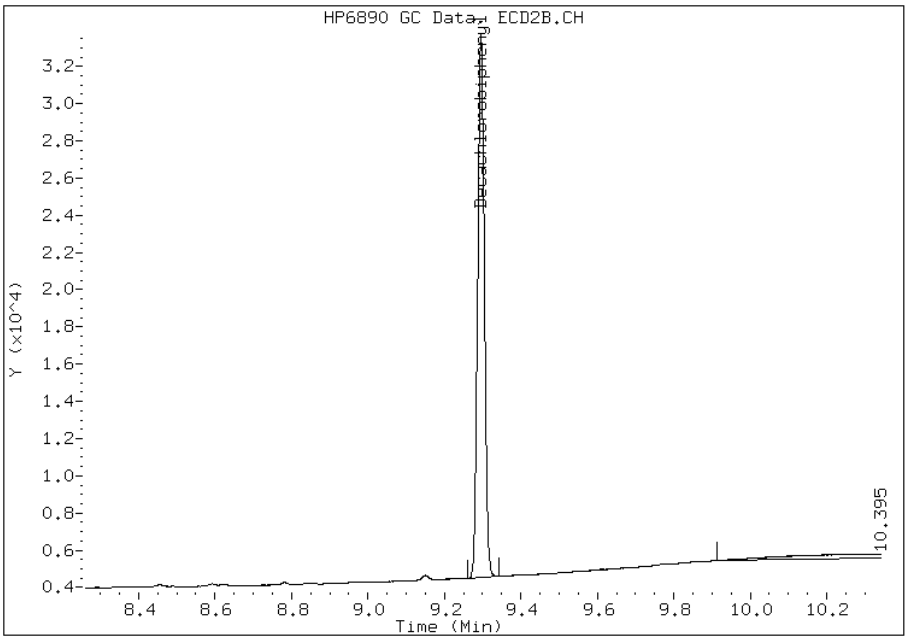
Manual Integration Results

RT: 9.30

Response: 710450

Amount: 0.02

Conc: 0.23



Manually Integrated By: tracy
Manual Integration Reason: Fused peaks (PCB's)

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 220-52368/2-A

Matrix: Water | Lab File ID: D9162092.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 09:28

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.67		0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	3.56		0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	73		22-145
2051-24-3	DCB Decachlorobiphenyl	61		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162092.D
Lab Smp Id: LCS 220-52368/2-A Client Smp ID: LCS 220-52368/2-A
Inj Date : 29-JUN-2011 09:28
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : LCS 220-52368/2-A
Misc Info : S
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.469	2.469	0.000	824308	0.01452	0.145			
2 Aroclor 1016					CAS #: 12674-11-2			
3.162	3.162	0.000	345042	0.34865	3.49	0.00-	0.00	100.00
3.752	3.753	-0.001	685811	0.38226	3.82	0.00-	0.00	198.76
4.417	4.421	-0.004	1374400	0.38227	3.82	0.00-	0.00	398.33
4.614	4.618	-0.004	617826	0.37825	3.78	0.00-	0.00	179.06
5.494	5.499	-0.005	505273	0.34349	3.43	0.00-	0.00	146.44
Average of Peak Concentrations =					3.67			
29 Aroclor 1260					CAS #: 11096-82-5			
7.840	7.842	-0.002	1177895	0.40413	4.04	0.00-	0.00	100.00
8.156	8.159	-0.003	583593	0.34498	3.45	0.00-	0.00	49.55
8.350	8.352	-0.002	1347605	0.34858	3.48	0.00-	0.00	114.41
8.593	8.597	-0.004	1016629	0.35271	3.53	0.00-	0.00	86.31
8.961	8.962	-0.001	406184	0.32830	3.28	0.00-	0.00	34.48
Average of Peak Concentrations =					3.56			

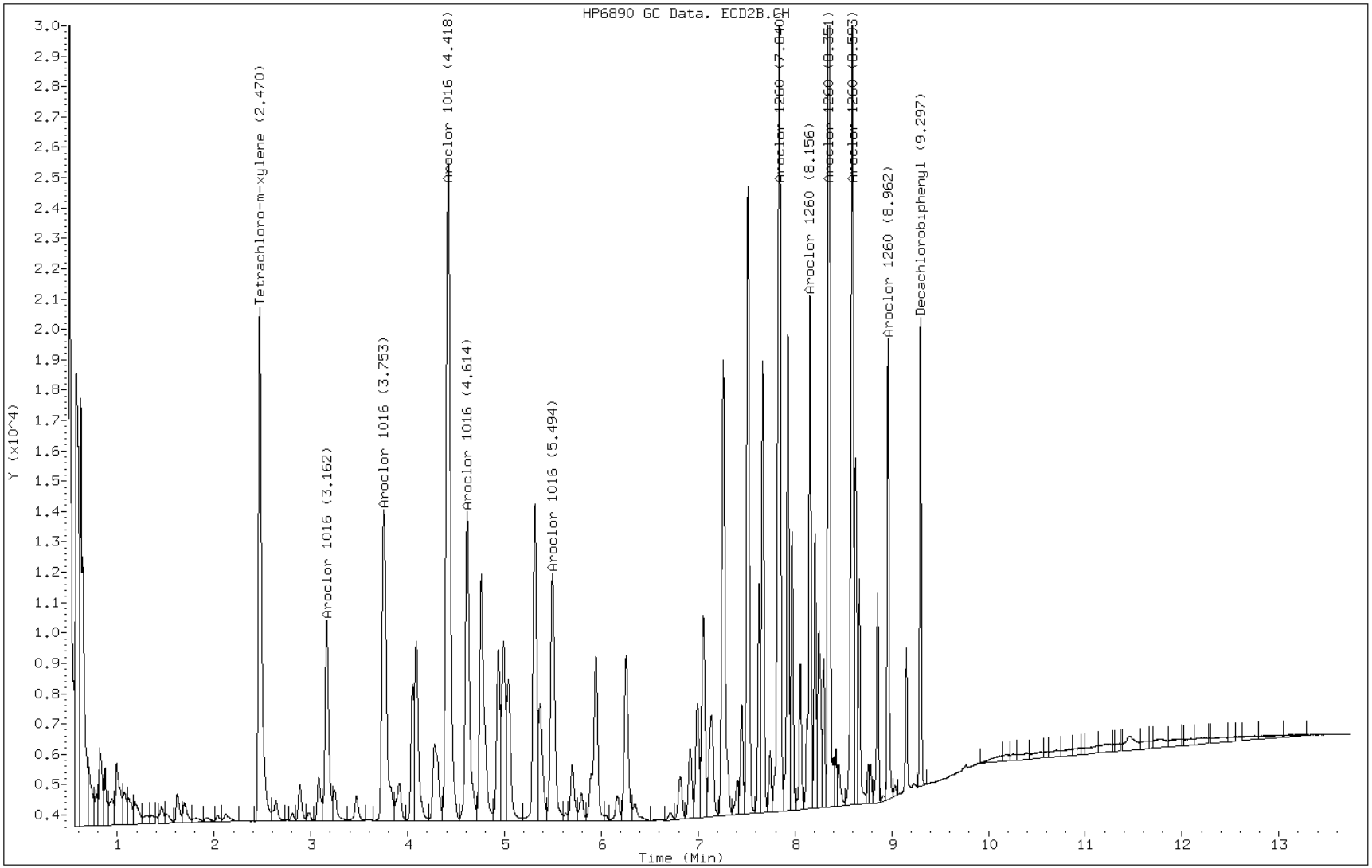
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.297	9.299	-0.002	379956	0.01225	0.122		

Data File: D9162092.D

Date: 29-JUN-2011 09:28

Client ID: LCS 220-52368/2-A Instrument: hp6890-9.i

Sample Info: LCS 220-52368/2-A Operator: Tracy Puccino



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut | Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-4D MS | Lab Sample ID: 220-15866-3 MS

Matrix: Water | Lab File ID: D9162096.D

Analysis Method: 8082 | Date Collected: 06/22/2011 14:50

Extraction Method: 3510C | Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) | Date Analyzed: 06/29/2011 10:44

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID:

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	1.54		0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	1.51		0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		22-145
2051-24-3	DCB Decachlorobiphenyl	88		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162096.D
Lab Smp Id: 220-15866-A-3-A MS Client Smp ID: MW-4D
Inj Date : 29-JUN-2011 10:44
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-A-3-AMS
Misc Info : 220-15866-A-3-A MS
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 7 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE		RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.469	2.469	0.000	863746	0.01522	0.152				(M)
2 Aroclor 1016					CAS #: 12674-11-2				
3.162	3.162	0.000	146320	0.14785	1.48	0.00-	0.00	100.00	(RM)
3.753	3.753	0.000	297820	0.16600	1.66	0.00-	0.00	203.54	
4.418	4.421	-0.003	563412	0.15671	1.57	0.00-	0.00	385.05	
4.613	4.618	-0.005	263196	0.16114	1.61	0.00-	0.00	179.88	
5.493	5.499	-0.006	206928	0.14067	1.41	0.00-	0.00	141.42	
Average of Peak Concentrations =					1.54				
29 Aroclor 1260					CAS #: 11096-82-5				
7.839	7.842	-0.003	487613	0.16730	1.67	0.00-	0.00	100.00	
8.155	8.159	-0.004	243847	0.14414	1.44	0.00-	0.00	50.01	
8.349	8.352	-0.003	565744	0.14634	1.46	0.00-	0.00	116.02	
8.592	8.597	-0.005	451620	0.15668	1.57	0.00-	0.00	92.62	
8.961	8.962	-0.001	176871	0.14296	1.43	0.00-	0.00	36.27	
Average of Peak Concentrations =					1.51				

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.295	9.299	-0.004	547129	0.01764	0.176		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: D9162096.D

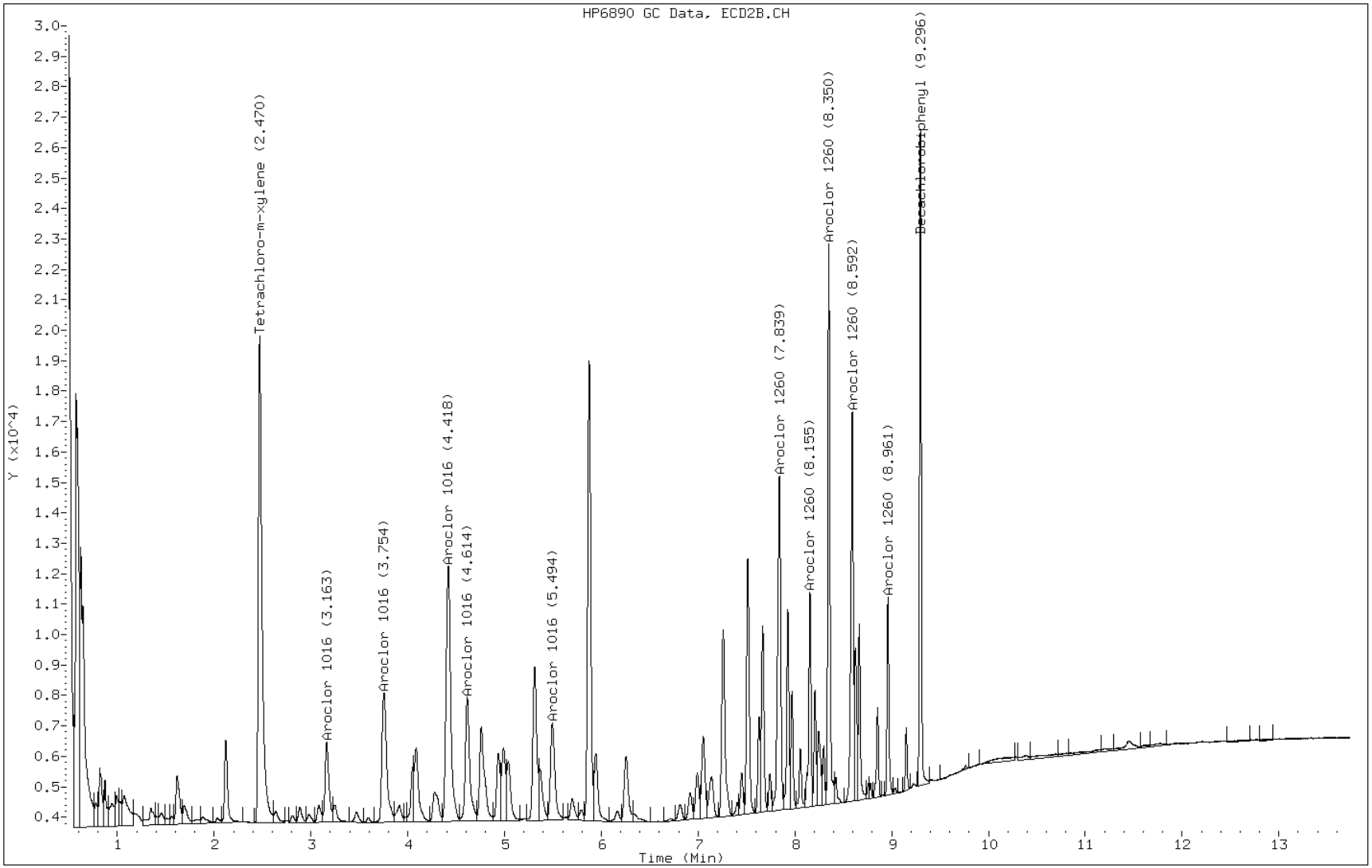
Date: 29-JUN-2011 10:44

Client ID: MW-4D

Instrument: hp6890-9.i

Sample Info: 220-15866-A-3-AMS

Operator: Tracy Puccino



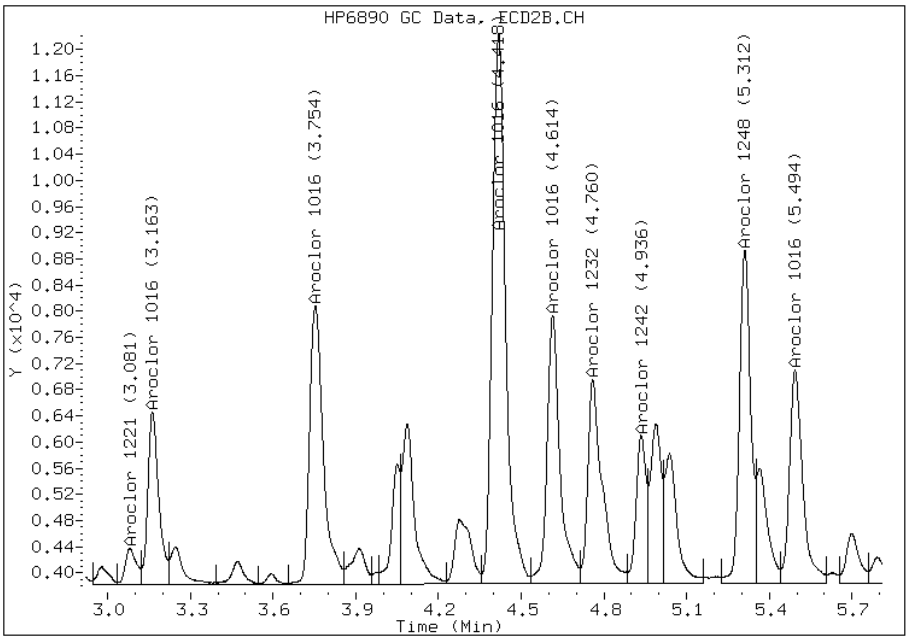
Manual Integration Report

Data File: D9162096.D
Inj. Date and Time: 29-JUN-2011 10:44
Instrument ID: hp6890-9.i
Client ID: MW-4D
Compound: 2 Aroclor 1016
CAS #: 12674-11-2
Report Date: 06/29/2011

Processing Integration Results

RT	Response	Conc
3.16	147383*	1.49
3.75	298325*	1.66
4.42	569662*	1.58
4.61	270648*	1.66
5.49	219406*	1.49

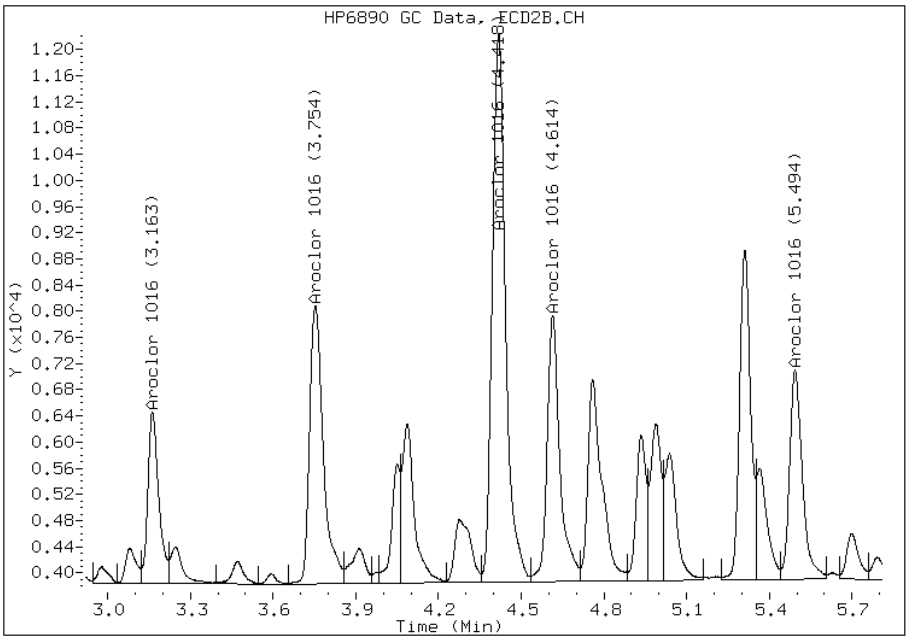
Final Conc		1.58



Manual Integration Results

RT	Response	Conc
3.16	146320*	1.48
3.75	297820*	1.66
4.42	563412*	1.57
4.61	263196*	1.61
5.49	206928*	1.41

Final Conc		1.54



Manually Integrated By: tracy
Manual Integration Reason:

Manual Integration Report

Data File: D9162096.D
Inj. Date and Time: 29-JUN-2011 10:44
Instrument ID: hp6890-9.i
Client ID: MW-4D
Compound: 1 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 06/29/2011

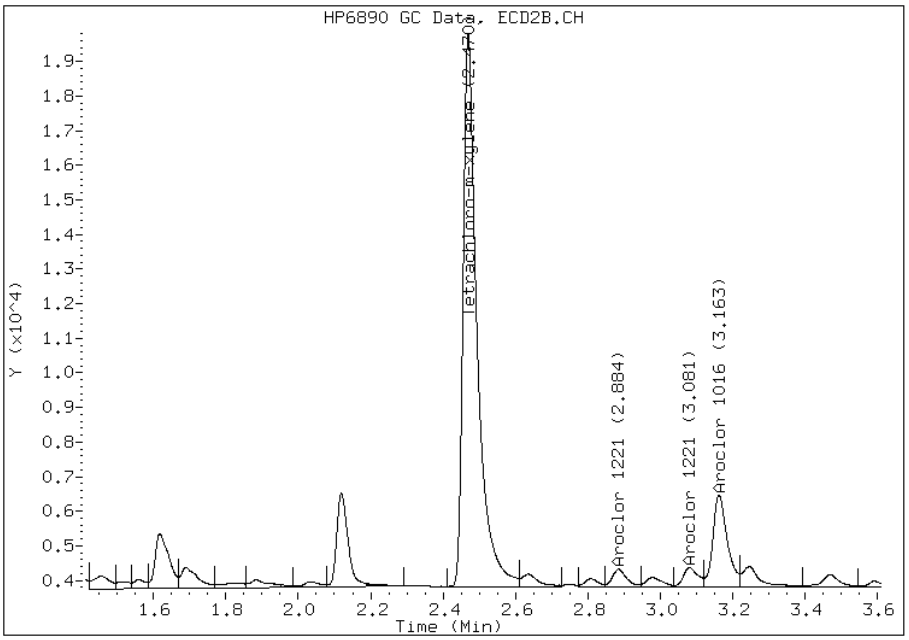
Processing Integration Results

RT: 2.47

Response: 865898

Amount: 0.02

Conc: 0.15



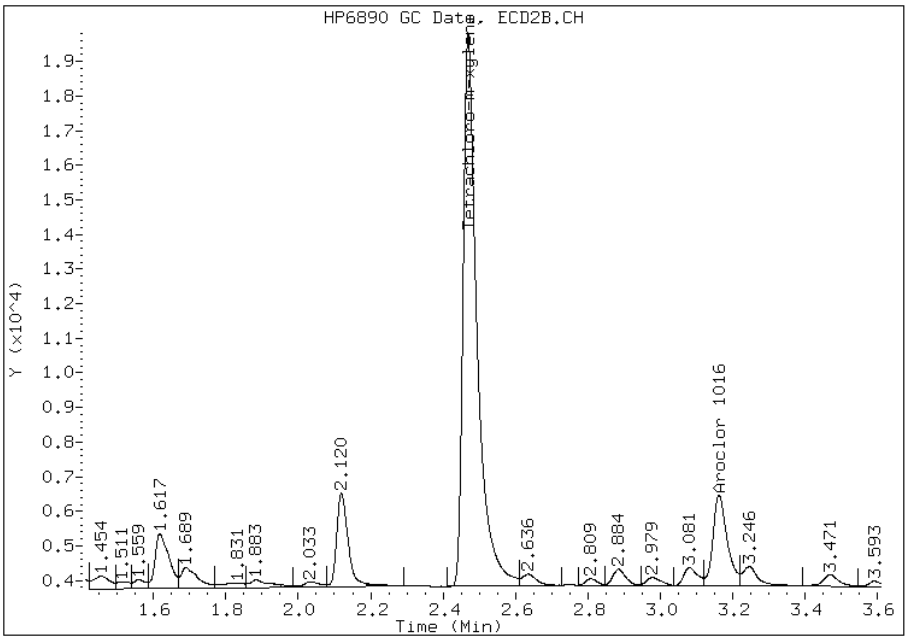
Manual Integration Results

RT: 2.47

Response: 863746

Amount: 0.02

Conc: 0.15



Manually Integrated By: tracy
Manual Integration Reason: Unknown

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Client Sample ID: MW-4D MSD Lab Sample ID: 220-15866-3 MSD

Matrix: Water Lab File ID: D9162097.D

Analysis Method: 8082 Date Collected: 06/22/2011 14:50

Extraction Method: 3510C Date Extracted: 06/28/2011 13:30

Sample wt/vol: 1000(mL) Date Analyzed: 06/29/2011 11:03

Con. Extract Vol.: 10.0(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID:

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 52430 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	1.73		0.50	0.050
11104-28-2	PCB-1221	0.50	U	0.50	0.050
11141-16-5	PCB-1232	0.50	U	0.50	0.050
53469-21-9	PCB-1242	0.50	U	0.50	0.050
12672-29-6	PCB-1248	0.50	U	0.50	0.050
11097-69-1	PCB-1254	0.50	U	0.50	0.082
11096-82-5	PCB-1260	1.79		0.50	0.082

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		22-145
2051-24-3	DCB Decachlorobiphenyl	104		29-135

TestAmerica Inc

SW846 Method 8081A /8082

Data file : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162097.D
Lab Smp Id: 220-15866-B-3-B MSD Client Smp ID: MW-4D
Inj Date : 29-JUN-2011 11:03
Operator : Tracy Puccino Inst ID: hp6890-9.i
Smp Info : 220-15866-B-3-BMSD
Misc Info : 220-15866-B-3-B MSD
Comment : ECD, RTX-CLPesticidesII, 30meter, 0.53mm ID
Method : \\consvr05\Files\Chem\GC\hp6890-9.i\CD9162-8082-089.b\D9162-8082.m
Meth Date : 29-Jun-2011 08:46 hp6890-9.i Quant Type: ESTD
Cal Date : 24-JUN-2011 15:50 Cal File: D9162013.D
Als bottle: 8 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: pcb.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: CONGCOFC1

Concentration Formula: Amt * DF * Uf * (1000*Vt)/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng conversion factor
Vt	10.000	Volume of final extract (ml)
Vo	1000.000	Volume of sample extracted (ml)
Vi	1.000	Volume Injected
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
2.470	2.469	0.001	926478	0.01632	0.163			
2 Aroclor 1016					CAS #: 12674-11-2			
3.162	3.162	0.000	163570	0.16528	1.65	0.00-	0.00	100.00(R)
3.751	3.753	-0.002	322215	0.17960	1.80	0.00-	0.00	196.99
4.417	4.421	-0.004	631940	0.17577	1.76	0.00-	0.00	386.34
4.613	4.618	-0.005	295970	0.18120	1.81	0.00-	0.00	180.94
5.493	5.499	-0.006	237177	0.16124	1.61	0.00-	0.00	145.00
Average of Peak Concentrations =					1.73			
29 Aroclor 1260					CAS #: 11096-82-5			
7.838	7.842	-0.004	567082	0.19456	1.94	0.00-	0.00	100.00
8.154	8.159	-0.005	285286	0.16864	1.69	0.00-	0.00	50.31
8.349	8.352	-0.003	647050	0.16737	1.67	0.00-	0.00	114.10
8.592	8.597	-0.005	547312	0.18988	1.90	0.00-	0.00	96.51
8.960	8.962	-0.002	215083	0.17384	1.74	0.00-	0.00	37.93
Average of Peak Concentrations =					1.79			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 34 Decachlorobiphenyl					CAS #:		
9.296	9.299	-0.003	643079	0.02073	0.207		

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: D9162097.D

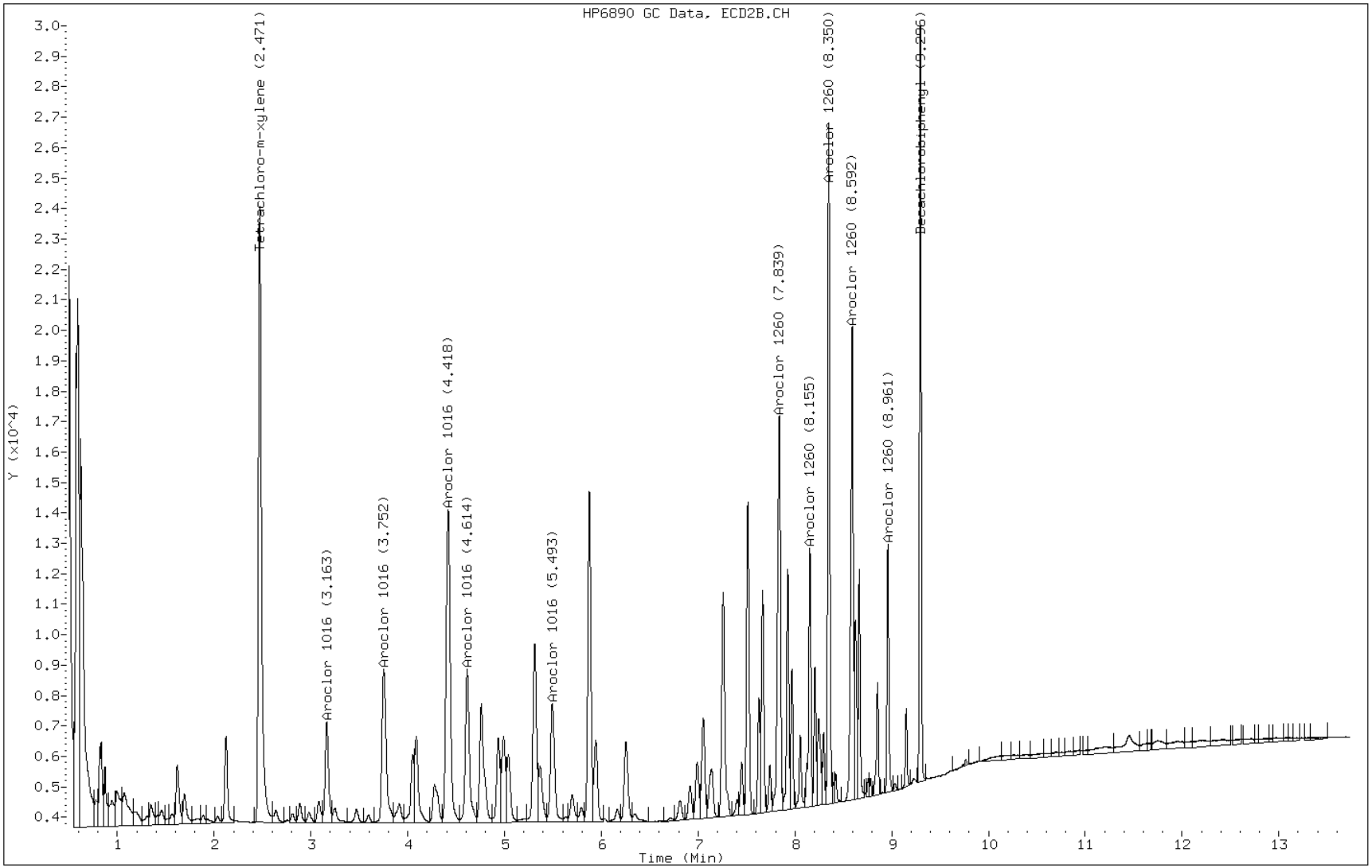
Date: 29-JUN-2011 11:03

Client ID: MW-4D

Instrument: hp6890-9.i

Sample Info: 220-15866-B-3-BMSD

Operator: Tracy Puccino



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Instrument ID: GC9 Start Date: 06/24/2011 12:03

Analysis Batch Number: 52284 End Date: 06/24/2011 19:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICRTAV 220-52284/1		06/24/2011 12:03	1		RTX-CLP
ICRTAV 220-52284/1		06/24/2011 12:03	1	D9162001.D	RTX-CLPII
IC 220-52284/2		06/24/2011 12:22	1		RTX-CLP
IC 220-52284/2		06/24/2011 12:22	1	D9162002.D	RTX-CLPII
IC 220-52284/3		06/24/2011 12:41	1		RTX-CLP
IC 220-52284/3		06/24/2011 12:41	1	D9162003.D	RTX-CLPII
IC 220-52284/4		06/24/2011 13:00	1		RTX-CLP
IC 220-52284/4		06/24/2011 13:00	1	D9162004.D	RTX-CLPII
IC 220-52284/5		06/24/2011 13:19	1		RTX-CLP
IC 220-52284/5		06/24/2011 13:19	1	D9162005.D	RTX-CLPII
IC 220-52284/6		06/24/2011 13:37	1		RTX-CLP
IC 220-52284/6		06/24/2011 13:37	1	D9162006.D	RTX-CLPII
IC 220-52284/7		06/24/2011 13:56	1		RTX-CLP
IC 220-52284/7		06/24/2011 13:56	1	D9162007.D	RTX-CLPII
IC 220-52284/8		06/24/2011 14:15	1		RTX-CLP
IC 220-52284/8		06/24/2011 14:15	1	D9162008.D	RTX-CLPII
IC 220-52284/9		06/24/2011 14:34	1		RTX-CLP
IC 220-52284/9		06/24/2011 14:34	1	D9162009.D	RTX-CLPII
IC 220-52284/10		06/24/2011 14:53	1		RTX-CLP
IC 220-52284/10		06/24/2011 14:53	1	D9162010.D	RTX-CLPII
IC 220-52284/11		06/24/2011 15:12	1		RTX-CLP
IC 220-52284/11		06/24/2011 15:12	1	D9162011.D	RTX-CLPII
IC 220-52284/12		06/24/2011 15:31	1		RTX-CLP
IC 220-52284/12		06/24/2011 15:31	1		RTX-CLPII
IC 220-52284/13		06/24/2011 15:50	1		RTX-CLP
IC 220-52284/13		06/24/2011 15:50	1		RTX-CLPII
PIBLK 220-52284/14		06/24/2011 16:28	1		RTX-CLP
PIBLK 220-52284/14		06/24/2011 16:28	1		RTX-CLPII
ZZZZZ		06/24/2011 16:47	1		RTX-CLP
ZZZZZ		06/24/2011 16:47	1		RTX-CLPII
ZZZZZ		06/24/2011 17:06	1		RTX-CLP
ZZZZZ		06/24/2011 17:06	1		RTX-CLPII
ZZZZZ		06/24/2011 17:25	1		RTX-CLP
ZZZZZ		06/24/2011 17:25	1		RTX-CLPII
ZZZZZ		06/24/2011 17:44	1		RTX-CLP
ZZZZZ		06/24/2011 17:44	1		RTX-CLPII
ZZZZZ		06/24/2011 18:03	1		RTX-CLP
ZZZZZ		06/24/2011 18:03	1		RTX-CLPII
ZZZZZ		06/24/2011 18:21	1		RTX-CLP
ZZZZZ		06/24/2011 18:21	1		RTX-CLPII
ZZZZZ		06/24/2011 18:40	1		RTX-CLP
ZZZZZ		06/24/2011 18:40	1		RTX-CLPII
ZZZZZ		06/24/2011 18:59	1		RTX-CLPII
ZZZZZ		06/24/2011 19:18	1		RTX-CLP
ZZZZZ		06/24/2011 19:18	1		RTX-CLPII

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Instrument ID: GC9 Start Date: 06/24/2011 12:03

Analysis Batch Number: 52284 End Date: 06/24/2011 19:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 220-52284/23		06/24/2011 19:37	1		RTX-CLP
CCV 220-52284/23		06/24/2011 19:37	1		RTX-CLPII
PIBLK 220-52284/24		06/24/2011 19:56	1		RTX-CLP
PIBLK 220-52284/24		06/24/2011 19:56	1		RTX-CLPII

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Instrument ID: GC9 Start Date: 06/29/2011 08:25

Analysis Batch Number: 52430 End Date: 06/29/2011 14:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 220-52430/1		06/29/2011 08:25	1	D9162089.D	RTX-CLPII
PIBLK 220-52430/2		06/29/2011 08:50	1	D9162090.D	RTX-CLPII
MB 220-52368/1-A		06/29/2011 09:09	1	D9162091.D	RTX-CLPII
LCS 220-52368/2-A		06/29/2011 09:28	1	D9162092.D	RTX-CLPII
220-15866-1	MW-1D	06/29/2011 09:47	1	D9162093.D	RTX-CLPII
220-15866-2	MW-4S	06/29/2011 10:06	1	D9162094.D	RTX-CLPII
220-15866-3	MW-4D	06/29/2011 10:25	1	D9162095.D	RTX-CLPII
220-15866-3 MS	MW-4D MS	06/29/2011 10:44	1	D9162096.D	RTX-CLPII
220-15866-3 MSD	MW-4D MSD	06/29/2011 11:03	1	D9162097.D	RTX-CLPII
220-15866-4	NORTH PPRS	06/29/2011 11:22	1	D9162098.D	RTX-CLPII
220-15866-5	SOUTH PPRS	06/29/2011 11:41	1	D9162099.D	RTX-CLPII
220-15866-6	LEACHATE PPRS	06/29/2011 12:00	1	D9162100.D	RTX-CLPII
220-15866-7	MW-1S	06/29/2011 12:19	1	D9162101.D	RTX-CLPII
220-15866-8	MW-2D	06/29/2011 12:37	1	D9162102.D	RTX-CLPII
220-15866-9	MW-2S	06/29/2011 12:56	1	D9162103.D	RTX-CLPII
220-15866-10	MW-X	06/29/2011 13:15	1	D9162104.D	RTX-CLPII
220-15866-11	MW-3D	06/29/2011 13:34	1	D9162105.D	RTX-CLPII
220-15866-12	MW-3S	06/29/2011 13:53	1	D9162106.D	RTX-CLPII
CCV 220-52430/19		06/29/2011 14:12	1	D9162107.D	RTX-CLPII
PIBLK 220-52430/20		06/29/2011 14:31	1	D9162108.D	RTX-CLPII

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Connecticut Job No.: 220-15866-1

SDG No.:

Batch Number: 52368 Batch Start Date: 06/28/11 13:30 Batch Analyst: Piscitelli, Gerald H

Batch Method: 3510C Batch End Date: 06/28/11 16:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	EWPCBMS 00011	EWPCBQC 00017	EWPESTSUR 00035
MB 220-52368/1		3510C, 8082		7	1000 mL	10.0 mL			1000 uL
LCS 220-52368/2		3510C, 8082		7	1000 mL	10.0 mL		1000 uL	1000 uL
220-15866-A-1	MW-1D	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-C-2	MW-4S	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-B-3	MW-4D	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-A-3 MS	MW-4D	3510C, 8082	T	7	1000 mL	10.0 mL	1000 uL		1000 uL
220-15866-B-3 MSD	MW-4D	3510C, 8082	T	7	1000 mL	10.0 mL	1000 uL		1000 uL
220-15866-B-4	NORTH PPRS	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-A-5	SOUTH PPRS	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-A-6	LEACHATE PPRS	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-A-7	MW-1S	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-A-8	MW-2D	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-B-9	MW-2S	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-B-10	MW-X	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-A-11	MW-3D	3510C, 8082	T	7	1000 mL	10.0 mL			1000 uL
220-15866-A-12	MW-3S	3510C, 8082	T	7	400 mL	5.0 mL			500 uL

Batch Notes	
Person's name who did the concentration	Jen Capece
Exchange Solvent Lot #	ebhexane-29
Exchange Solvent Name	hexane
Na2SO4 Lot Number	ena2so4-109
Prep Solvent Lot #	ebmecl2-26
Prep Solvent Name	mecl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	gerald piscitelli
Person's name who witnessed reagent drop	self

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

158866

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: ELIAS J. MOSKAL	Lab PM: Dubauskas, Johanna	Carrier Tracking No(s):	COC No: 220-8600-4719.1
Client Contact: Mr. Jeremy Wyckoff	Phone: 518-250-7300	E-Mail: johanna.dubauskas@testamericainc.com		Page: Page 1 of 2
Company: Malcolm Pirnie, Inc.				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested
City: Clifton Park	TAT Requested (days): STANDARD	
State, Zip: NY, 12065		
Phone: 518-782-2100(Tel) 518-782-0500(Fax)	PO #: Proj. # 0266363-2	
Email: jeremy.wyckoff@arcadis-us.com	WO #: Contract D004443.7	
Project Name: NYSDEC Standby - Columbia Mills	Project #: 22000762	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082 - Target Analyte list - Aroclors	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-1D (1)	6/22/11	1130	G	Water	N	N	✓		
MW-1S (2)	6/22/11	1225	G	Water	N	N	✓		
MW-4D (3)	6/22/11	1450	G	Water	N	N	✓		PASSED RAD SCREEN
MW-4D MS	6/22/11	1450	G	Water	N	X	✓		
MW-4D MSD	6/22/11	1450	G	Water	N	X	✓		
NORTH PPRS (4)	6/22/11	1640	G	Water	N	N	✓		
SOUTH PPRS (5)	6/22/11	1650	G	Water	N	N	✓		
LEACHATE PPRS (6)	6/22/11	1750	G	Water	N	N	✓		Gun #3
MW-1S (7)	6/22/11	1230	G	Water	N	N	✓		10.0°C
MW-2D (8)	6/22/11	1615	G	Water	N	N	✓		10.4°C
MW-2S (9)	6/22/11	1730	G	Water	N	N	✓		11.2°C

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 6/23/11 1900	Company ARCADIS	Received by:	Date/Time: 6-24-11 10:10	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: △ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

158866

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: ELIAS J. MOSKAL	Lab PM: Dubauskas, Johanna	Carrier Tracking No(s):	COC No: 220-8600-4719.2
Client Contact: Mr. Jeremy Wyckoff	Phone: 518-250-7300	E-Mail: johanna.dubauskas@testamericainc.com		Page: Page 2 of 2
Company: Malcolm Pirnie, Inc.				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Clifton Park	TAT Requested (days): STANDARD		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, 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)
State, Zip: NY, 12065			
Phone: 518-782-2100(Tel) 518-782-0500(Fax)	PO #: Proj. # 0266363-2		
Email: jeremy.wyckoff@arcadis-us.com	WO #: Contract D004443.7		
Project Name: NYSDEC Standby - Columbia Mills	Project #: 22000762		Other:
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082 - Target Analyte list - Aroclors	Total Number of containers	Special Instructions/Note:
	Preservation Code:						N		
MW-X (10)	6/22/11		G	Water	N	N	✓		
MW-3D (11)	6/23/11	740	G	Water	N	N	✓		Low volume, only 1 Liter
MW-3S (12)	6/23/11	800	G	Water	N	N	✓		Low volume, only 0.5 Liter
				Water					
									PASSED RAD SCREEN Gm # 5 10.0°C 10.4°C 11.2°C

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6/23/11 / 900	MPI/ARCADIS	[signature]	6-24-11 1050	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

07/01/2011

Login Sample Receipt Checklist

Client: Malcolm Pirnie, Inc.

Job Number: 220-15866-1

Login Number: 15866
List Number: 1
Creator: Teixeira, Maria L

List Source: TestAmerica Connecticut

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.	False	SEE NARRATIVE
Cooler Temperature is recorded.	True	10.0C/10.4C/11.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	SEE NARRATIVE
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	SEE NARRATIVE
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ARCADIS

Appendix **B**

Groundwater Level Data Form

ARCADIS

GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.00000

DATE: 6/22/2011
PERSONNEL: E. Moskal
J. Natale (Aztech)

WELL ID	Date	Time	Headspace VOC ppm	Depth to Water (feet)	Total Depth (feet)	Reference Point
MW-1S	6/22/2011	7:30 - 9:30	0.0	5.20	16.50	TOC
MW-1D	6/22/2011	7:30 - 9:30	0.0	2.23	28.02	TOC
MW-2S	6/22/2011	7:30 - 9:30	0.0	12.10	17.28	TOC
MW-2D	6/22/2011	7:30 - 9:30	0.0	11.80	27.25	TOC
MW-3S	6/22/2011	7:30 - 9:30	0.0	5.48	17.69	TOC
MW-3D	6/22/2011	7:30 - 9:30	0.0	16.21	26.35	TOC
MW-4S	6/22/2011	7:30 - 9:30	0.0	11.69	14.11	TOC
MW-4D	6/22/2011	7:30 - 9:30	0.0	11.12	27.07	TOC
LFP-1	6/22/2011	7:30 - 9:30	0.0	18.30	20.55	TOC
LFP-2	6/22/2011	7:30 - 9:30	0.0	Dry	4.05	TOC
LFP-3	6/22/2011	7:30 - 9:30	0.0	14.20	16.90	TOC
LFP-4	6/22/2011	7:30 - 9:30	0.0	13.25	14.50	TOC
LFP-5	6/22/2011	7:30 - 9:30	0.0	16.92	22.40	TOC
LFP-6	6/22/2011	7:30 - 9:30	0.0	13.40	19.55	TOC
LFP-7	6/22/2011	7:30 - 9:30	0.0	Dry	8.68	TOC
LFP-8	6/22/2011	7:30 - 9:30	0.0	13.30	14.79	TOC
LFP-9	6/22/2011	7:30 - 9:30	0.0	17.85	18.50	TOC
LFP-10	6/22/2011	7:30 - 9:30	0.0	14.89	15.50	TOC
LFP-11	6/22/2011	7:30 - 9:30	0.0	22.85	24.80	TOC
LFP-12	6/22/2011	7:30 - 9:30	0.0	Dry	21.30	TOC
LFP-13	6/22/2011	7:30 - 9:30	0.0	6.60	7.50	TOC
LFP-14	6/22/2011	7:30 - 9:30	0.0	25.80	30.70	TOC

Notes:

ARCADIS

Appendix **C**

Groundwater Sampling Purge Logs

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-1S DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: JN

A: Total Casing and Screen Length: 16.50

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 5.20

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	10:55	11:01	11:07	11:13	11:17	11:23	11:28	11:35	11:40	11:48	11:53	11:58
Gallons												
Depth to Water	5.79	5.4	5.39	5.39	5.4	5.40	5.4	5.4	5.4	5.4	5.4	5.4
pH	7.25	6.71	6.63	6.63	6.62	6.65	6.67	6.63	6.81	6.87	6.92	7.07
Conductivity (mohm/cm)	0.338	0.349	0.337	0.338	0.338	0.336	0.335	0.337	0.337	0.337	0.338	0.338
Turbidity (ntu)	328	186	61.7	38.2	16.7	11.2	10.8	12.3	7.8	6.1	6.2	5.8
Dissolved Oxygen (mg/l)	1.03	0.81	0.34	0.29	0.25	0.19	0.17	0.18	0.16	0.17	0.23	0.17
Temperature (^{o}C)	15.2	14.89	14.09	13.81	13.7	13.52	13.49	13.14	13.22	13.21	13.19	13.17
Salinity	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
TDS	0.22	0.226	0.219	0.22	0.219	0.218	0.218	0.219	0.219	0.219	0.22	0.22
Redox (mV)	-6	-3	-38	-64	-76	-86	-90	-94	-100	-112	-119	-124

Notes: Started purging at 10:55 am
Sampled at 12:10 pm

ARCADIS

WELL NUMBER: MW-1S DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: JN

A: Total Casing and Screen Length: 16.50

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 5.20

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	12:04	12:10	12:16	12:21	12:29							
Gallons					7							
Depth to Water	5.4	5.4	5.4	5.4	5.4							
pH	7.2	7.17	7.17	7.17	7.17							
Conductivity (mohm/cm)	0.338	0.338	0.338	0.338	0.338							
Turbidity (ntu)	4.8	3.7	3.2	3.2	3.2							
Dissolved Oxygen (mg/l)	0.17	0.17	0.18	0.18	0.18							
Temperature (^{o}C)	13.17	13.18	13.17	13.18	13.18							
Salinity	0.01	0.01	0.01	0.01	0.01							
TDS	0.219	0.217	0.22	0.219	0.219							
Redox (mV)	-131	-131	-136	-137	-139							

Notes:

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-1D DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: EJM

A: Total Casing and Screen Length: 28.02

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 2.23

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	10:53	11:00	11:05	11:10	11:15	11:20	11:25	11:30				
Gallons		1	1.5	2	2.5	3	3.5	4				
Depth to Water		3.34	3.33	3.34	3.41	3.46	3.5	3.52				
pH	8.15	7.91	7.25	7.11	7.07	6.96	6.97	6.97				
Conductivity (mohm/cm)	0.402	0.353	0.295	0.293	0.295	0.285	0.285	0.285				
Turbidity (ntu)	6.7	0.8	0.6	0.3	0.4	0.4	0.4	0.3				
Dissolved Oxygen (mg/l)	2.14	0	0	0	0	0	0	0				
Temperature (^{o}C)	12.65	11.19	11.34	11.27	11.24	11.08	10.97	10.97				
Salinity	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1				
TDS	0.26	0.227	0.191	0.19	0.185	0.185	0.185	0.185				
Redox (mV)	69	-146	-118	-113	-111	-105	-105	-107				

Notes: Collected sample at 11:30

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-2S DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: JN

A: Total Casing and Screen Length: 17.28

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 12.10

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	4:25	4:31	4:36	4:41	4:48	4:56	5:03	5:09	5:15	5:21	5:26	
Gallons											5	
Depth to Water	12.6	12.85	13.45	14.06	14.88	14.91	15.09	15.45	16	16.2	16.31	
pH	7.03	6.92	6.62	6.52	6.58	6.58	6.61	6.68	6.78	6.77	6.81	
Conductivity (mohm/cm)	0.449	0.365	0.33	0.342	0.365	0.367	0.387	0.407	0.429	0.43	0.439	
Turbidity (ntu)	40.9	21.1	9.2	117	81	42	36	70.3	183	127	119	
Dissolved Oxygen (mg/l)	4.21	5.17	5.28	4.9	4.76	4.73	4.68	4.55	4.78	5.79	5.01	
Temperature (^{o}C)	14.02	12.99	12.88	13.13	12.78	12.94	12.75	12.72	12.5	12.43	12.43	
Salinity	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
TDS	0.291	0.236	0.214	0.223	0.238	0.239	0.252	0.265	0.28	0.283	0.286	
Redox (mV)	101	112	119	127	131	137	139	137	137	138	138	

Notes: Started at 4:25 pm
DO - all over and turbidity keeps moving up and down because I am at the last foot of water
Sampled at 5:30 pm

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-2D DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: JN

A: Total Casing and Screen Length: 27.25

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 11.80

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	2:35	2:40	2:45	2:52	2:58	3:06	3:16	3:22	3:28	3:35	3:41	3:47
Gallons												
Depth to Water	12.83	14.9	15.01	17.85	18.9	19.80	20.92	21.35	21.78	22.61	23.15	23.41
pH	7.09	6.92	6.89	6.85	6.83	7.01	7.09	7.12	7.17	7.23	7.23	7.36
Conductivity (mohm/cm)	0.374	0.379	0.374	0.378	0.381	0.386	0.38	0.376	0.38	0.378	0.38	0.39
Turbidity (ntu)	10.2	7.4	8.1	6.3	6.1	6.2	5.9	5.2	5.3	4.6	4.7	90.1
Dissolved Oxygen (mg/l)	2.28	1.1	8.1	1.19	1.48	1.37	0.88	0.6	1.3	1.84	2.02	2.94
Temperature (^{o}C)	14.04	12.68	13.44	12.98	12.87	13.15	13.06	12.91	13.82	12.66	12.49	11.7
Salinity	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
TDS	0.244	0.244	0.244	0.245	0.247	0.251	0.25	0.245	0.247	0.245	0.247	0.253
Redox (mV)	96	103	104	106	108	98	92	89	83	84	84	79

Notes: Started purging at 2:30 pm
Sampled at 4:15 pm

ARCADIS

WELL NUMBER: MW-2D DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: JN

A: Total Casing and Screen Length: 27.25

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 11.80

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	3:52	3:58	4:08	4:14								
Gallons				7								
Depth to Water	24.09	25.25	25.81	25.93								
pH	7.08	7.11	7.14	7.09								
Conductivity (mohm/cm)	0.389	0.39	0.391	0.39								
Turbidity (ntu)	91	80	77	74								
Dissolved Oxygen (mg/l)	3.6	3.61	3.59	3.21								
Temperature (^{o}C)	11.93	11.91	11.94	11.93								
Salinity	0.01	0.01	0.01	0.01								
TDS	0.253	0.253	0.253	0.253								
Redox (mV)	100	102	104	105								

Notes:

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-3S DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: EJM

A: Total Casing and Screen Length: 17.69

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 5.48

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	9:50	9:55	10:00	10:05								
Gallons		~0.5	~1	~1.5								
Depth to Water												
pH	7.67	7.29	7.32	7.96								
Conductivity (mohm/cm)	0.535	0.521	0.515	0.355								
Turbidity (ntu)	0.7	0	5.6	10.4								
Dissolved Oxygen (mg/l)	16.09	7.33	6.5	5.06								
Temperature (^{o}C)	12.06	12.26	12.08	12.14								
Salinity	0.30	0.20	0.20	0.20								
TDS	0.342	0.334	0.33	0.22								
Redox (mV)	56	112	122	91								

Notes: Purged well dry at 10:09. Purged approx. 1.75 gallons

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-3D DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: JN

A: Total Casing and Screen Length: 26.35

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 16.21

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	10:00	10:08	10:15	10:19	10:23	10:28	10:33	10:38				
Gallons								19				
Depth to Water												
pH	6.93	6.92	6.91	6.92	6.94	6.92	6.96	6.98				
Conductivity (mohm/cm)	111	103	0.563	0.566	0.566	0.572	0.572	0.572				
Turbidity (ntu)	0	1	1.4	1.7	1.9	1.9	2.1	2.9				
Dissolved Oxygen (mg/l)	1.64	1.75	2.02	2.04	2.04	1.74	1.50	1.61				
Temperature (^{o}C)	11.7	12.63	13.3	13.65	13.75	13.67	13.95	13.99				
Salinity	0.10	0.00	0.01	0.01	0.01	0.01	0.01	0.01				
TDS	0.366	0.363	0.36	0.36	0.36	0.36	0.36	0.36				
Redox (mV)	-56	-55	99	100	102	102	96	93				

Notes: Started purging at 9:40 am
Dry at 10:38 am

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-4S DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: EJM

A: Total Casing and Screen Length: 14.11

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 11.69

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	12:00	12:05	12:10	12:15	12:20	12:25						
Gallons		0.5	1	1.5	2	2.5						
Depth to Water	11.69	13.11	13.68	13.77	13.8	13.91						
pH	7.17	6.67	6.78	6.83	6.84	6.84						
Conductivity (mohm/cm)	0.45	0.476	0.475	0.468	0.464	0.461						
Turbidity (ntu)	5.2	7.1	16.1	8.6	10.7	11.2						
Dissolved Oxygen (mg/l)	6.89	0	0	0.0	0.0	0.0						
Temperature (^{o}C)	12.65	11.94	11.78	11.65	11.59	11.6						
Salinity	0.20	0.20	0.20	0.20	0.20	0.20						
TDS	0.293	0.31	0.309	0.304	0.302	0.304						
Redox (mV)	29	-4	-36	-61	-64	-63						

Notes: Collected sample at 12:25

ARCADIS

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-4D DATE: 6/22/2011

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 00266363.0000
SAMPLERS: EJM

A: Total Casing and Screen Length: 27.07

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 11.12

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	14:20	14:25	14:30	14:35	14:40	14:45	14:50					
Gallons		0.5	1	1.5	2	2.5	3					
Depth to Water		11.84	12.61	12.61	12.62	12.62	12.68					
pH	7.61	7.54	7.72	7.32	7.28	7.26	7.25					
Conductivity (mohm/cm)	0.525	0.521	0.478	0.477	0.477	0.477	0.478					
Turbidity (ntu)	5.6	1.1	3.4	2.3	0.7	0.9	1.3					
Dissolved Oxygen (mg/l)	0.78	0.00	0.00	0.00	0.00	0.00	0.00					
Temperature (^{o}C)	11.66	10.99	10.74	10.73	10.64	10.54	10.5					
Salinity	0.30	0.20	0.20	0.20	0.20	0.20	0.20					
TDS	0.34	0.33	0.31	0.31	0.31	0.31	0.31					
Redox (mV)	74	-84	-89	-96	-97	-99	-102					

Notes: Collected sample at 14:50
Collected field duplicate, MW-X at this location
Collected MS/MSD at this location