



[REDACTED]
Project Manager

April 14, 2009

Ms. Ruth Scharr (3HS31)
On-Scene Coordinator
U.S. Environmental Protection Agency Region 3
1650 Arch Street
Philadelphia, Pennsylvania 19103

**Subject: Final Trip Report for the Metro Container
2008 Sediment Sampling Event
EPA Contract No. EP-S3-05-02
Technical Direction Document No. E33-020-08-07-009
Document Tracking No. 0696**

Dear Ms. Scharr:

Tetra Tech EM Inc. (Tetra Tech) is submitting the final trip report for the Metro Container site that summarizes the sediment sampling activities and analytical results received from the August 2008 sediment sampling event. If you have any questions regarding this report, please contact me at [REDACTED]

Sincerely,

[REDACTED]

Project Manager

Enclosure

cc: TDD File

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AR103347

**FINAL TRIP REPORT
FOR THE
METRO CONTAINER SITE
2008 SEDIMENT SAMPLING EVENT
TRAINER, DELWARE COUNTY, PENNSYLVANIA**

Prepared for

**U.S. Environmental Protection Agency Region 3
1650 Arch Street
Philadelphia, Pennsylvania 19103**

Submitted by

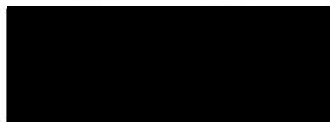
**Tetra Tech EM Inc.
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Boothwyn, Pennsylvania 19061**

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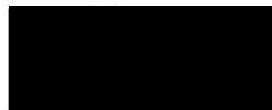
April 14, 2009

Prepared by:



Project Manager

Approved by:



Philadelphia Operations Manager

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1.0 INTRODUCTION

Under Eastern Area Superfund Technical Assessment and Response Team (START) Contract No. EP-S3-05-02, Technical Direction Document (TDD) No. E33-020-08-07-009, U.S. Environmental Protection Agency (EPA) Region 3 tasked Tetra Tech EM Inc., (Tetra Tech) to assist with sampling activities to support EPA's assessment activities completed at the Metro Container site in Trainer, Delaware County, Pennsylvania. Tetra Tech completed a removal site evaluation in 2007 at the Metro Container site under START TDD Nos. E13-008-06-07-008 and E23-014-07-07-011. This removal assessment included the collection of surface soil, subsurface soil, groundwater, soil gas, surface water, and sediment samples from the Metro Container site. Only one sediment sample was collected from the Delaware River during this removal site assessment. To determine the impact site contaminants may have had on the sediments of the Delaware River, EPA determined that the collection of additional sediment samples from the Delaware River was necessary. In August 2008, Tetra Tech collected 16 sediment samples from the Delaware River in the vicinity of the Metro Container site. This trip report summarizes the field activities completed and laboratory analytical results received from this sampling event.

Section 2.0 of this trip report provides site background information, Section 3.0 describes sampling activities, Section 4.0 discusses the analytical results and Section 5.0 provides the summary and conclusions. References are cited after the text and listed in Section 6.0. All figures are provided in Appendix A. A photographic documentation log is provided as Appendix B. Analytical data summary tables for samples collected as part of this sampling event are provided as Appendix C.

2.0 BACKGROUND

This section provides background information on the site, including its location, description, and history of site activities and investigations.

2.1 SITE LOCATION

The Metro Container site is located in Trainer, Delaware County, Pennsylvania with the approximate geographic coordinates of the center of the site being 39.82642 degrees north

latitude and 75.39903 degrees west longitude (U.S. Geological Survey [USGS] 1967 and 1993). The site is located south of the intersection of West Second Street and Price Street, in a heavily industrialized area of southeastern Pennsylvania. The site is located approximately 0.17 mile upstream and north of the confluence of Stoney Creek, a small tributary, and the Delaware River. The site is surrounded by industrial facilities, including a scrap metal yard, railroad yard, and water treatment plant to the east, and the ConocoPhillips, Inc. refinery to the south and west. The ConocoPhillips refinery has a large outfall for non-contact cooling water located adjacent to the site, which continuously releases a high volume of water to Stoney Creek. A mixed commercial and residential area is located north of the site, directly across West Second Street. Figure 1 within Appendix A shows the site location and surrounding areas (USGS 1967 and 1993). Both the railroad yard and a portion of ConocoPhillips property are located between the Delaware River and the site.

The area sampled during the August 2008 sampling event is located in the Delaware River, south of the Metro Container site. This area is characterized by mudflats located northeast of where Stoney Creek discharges into the Delaware River. The Delaware River is tidal in this area. The mudflats are exposed during low tide and completely submerged during high tide. This area is surrounded by undeveloped land to the northeast and the ConocoPhillips refinery to the southwest. Depositional areas of higher elevation than the surrounding mudflats were observed along the southern boundary of the sampling area and in a partially grass covered area to the southwest. See Appendix B, Figure 2 for an aerial view of this area.

2.2 PREVIOUS INVESTIGATIONS

From March 6 through 14, 2007, Tetra Tech collected a total of 91 samples from the Metro Container site. Samples collected included 25 surface soil, 24 subsurface soil, 19 groundwater, 4 soil gas, 9 surface water and 10 sediment samples. The majority of the surface water and sediment samples were collected from Stoney Creek, a tributary to the Delaware River. One sediment sample was collected in the mudflats of the Delaware River adjacent to where Stoney Creek discharges into the Delaware River. Analytical results from the soil, groundwater, surface water and sediment samples collected during the removal site assessment revealed the presence of volatile organic compounds (VOC), semivolatile organic compounds (SVOC), antimony,

arsenic, lead, vanadium, pesticides and polychlorinated biphenyls (PCB) on site and in Stoney Creek. Specifically, the PCB's Aroclor-1248, Aroclor-1254 and Aroclor-1260 were detected in soil samples collected from the site up to 15,000; 39,000; and 62,000 micrograms per kilogram ($\mu\text{g/kg}$), respectively. Analytical results from two of the sediment samples collected from Stoney Creek indicated Aroclor-1248, Aroclor-1254 and Aroclor-1260 up to 2,000; 9,500; and 9,400 $\mu\text{g/kg}$, respectively. PCBs were not reported in any of the other sediment samples collected during the removal site assessment. The PCB congeners reported in the sediment samples collected from Stoney Creek were compared to the congeners detected in groundwater collected from on-site monitoring wells. This comparison clearly demonstrated that the PCBs detected in the off-site sediment samples collected from Stoney Creek had migrated from the site. A full discussion of the results of this sampling event can be found in the November 7, 2007 trip report prepared by Tetra Tech (Tetra Tech 2007).

3.0 SAMPLING ACTIVITIES

Only one sediment sample was collected from the Delaware River during the field activities completed as part of EPA's removal site assessment. To determine the impact site contaminants may have had on the sediments of the Delaware River, EPA Region 3's Biological Technical Assistance Group (BTAG) determined that the collection of additional sediment samples from the Delaware River was necessary; therefore, on August 18 and 19, 2008, Tetra Tech mobilized to the area of concern in the Delaware River to collect sediment samples. The area targeted for sampling consists of an inlet of the Delaware River where Stoney Creek flows into the Delaware River. Tetra Tech documented and photographed site activities in accordance with Tetra Tech Standard Operating Procedure (SOP) No. 024, "Recording of Notes in Field Logbook" (Tetra Tech 1999). Photographic documentation is provided in Appendix B. This section discusses activities which occurred during August 2008.

3.1 AUGUST 18, 2008 SAMPLING EVENT

On August 18, 2008, Tetra Tech and EPA mobilized to the area along the Delaware River where BTAG requested sediment sample collection. Surface (0-6 inches below the ground surface [bgs]) and subsurface (6 to 24 inches bgs) five-point composite samples were collected along

four transect lines across the inlet, from the channel of Stoney Creek to the peninsula of undeveloped land located to the northeast (see Appendix A, Figure 3). A surface and subsurface five-point composite sample was also collected along a transect line in the inlet located to the northeast of the undeveloped peninsula. In addition, one grab sample was collected from oil-saturated sediments encountered below the clay layer located in the third subsurface sampling point along line MS-SD-05. All samples were collected in accordance with the EPA approved July 31, 2008, Abbreviated Sampling Plan for the Metro Container Site (Tetra Tech 2008). Table 1 provides the sample identifiers, collection times, depth, location, and descriptions for samples collected on August 18, 2008. Sampling locations are shown in Appendix A, Figure 3.

TABLE 1
SEDIMENT SAMPLING SUMMARY
August 18, 2008

Sample Identifiers	Time Sampled	Depth (inches bgs)	Sample Location and Description
MC-SD-01A	0907	0-6	Five-point composite surface sample collected along line in northern-most inlet southeast of shoreline. Each composite sampling point approximately 20 feet apart. Sediment consisted of dark gray silty clay.
MC-SD-01B	0915	6-24	Five-point composite subsurface sample collected along same line as MC-SD-01A. Sample points collocated with 01A. Sediment consisted of dark gray silty clay. Petroleum odor noted at each of the five composite sampling locations.
MC-SD-02A	0948	0-6	Five-point composite surface sample collected along line south of 1, in inlet located between Stoney Creek channel and undeveloped peninsula. Each composite sampling point approximately 20 feet apart. Sediment consisted of dark gray silty clay.
MC-SD-02B	0954	6-24	Five-point composite subsurface sample collected along same line as MC-SD-02A. Sample points collocated with 02A. Sediment consisted of dark gray silty clay.
MC-SD-03A	1035	0-6	Five-point composite surface sample collected along line in inlet south of line 2 located between Stoney Creek channel and undeveloped peninsula. Each composite sampling point approximately 20 feet apart. Sediment consisted of dark gray silty clay.
MC-SD-03B	1042	6-24	Five-point composite subsurface sample collected along same line as MC-SD-03A. Sample points collocated with 03A. Sediment consisted of stiff, dark gray silty clay.

TABLE 1
SEDIMENT SAMPLING SUMMARY
August 18, 2008

Sample Identifiers	Time Sampled	Depth (inches bgs)	Sample Location and Description
MC-SD-04A	1058	0-6	Five-point composite surface sample collected along line south of line 3 in inlet located between Stoney Creek channel and undeveloped peninsula. Each composite sampling point approximately 20 feet apart. Sediment consisted of dark gray silty clay.
MC-SD-04B	1120	6-24	Five-point composite subsurface sample collected along same line as MC-SD-04A. Sample points collocated with 04A. Sediment consisted of stiff, dark gray silty clay. Petroleum odor noted at each of the five composite sampling locations.
MC-SD-05A	1138	0-6	Five-point composite surface sample collected along line south of line 4 between Stoney Creek channel and undeveloped peninsula. Each composite sampling point approximately 10 feet apart. Sediment consisted of dark gray silty clay. Duplicate of MC-SD-07A sample.
MC-SD-05B	1147	6-24	Five-point composite subsurface sample collected along same line as MC-SD-05A. Sample points collocated with 05A. Sediment consisted of stiff, dark gray silty clay. At third sampling point (oil layer) observed.
MC-SD-06	1157	24 - 36	Grab sample collected of oil layer located below clay layer at third composite sampling point along MC-SD-05 line.
MC-SD-07A	1032	0-6	Duplicate sample of MC-SD-05A.

Notes: bgs = below the ground surface

3.2 AUGUST 19, 2008 SAMPLING EVENT

Eleven sediment samples were collected on August 18, 2008 prior to incoming tidal water covering the sampling area. One area of concern remained to be sampled. This area is a high-point depositional area located southwest of line MC-SD-02. On August 19, 2008, Tetra Tech returned to the Delaware River to collect additional sediment samples from this depositional area. EPA further requested that Tetra Tech attempt to delineate the boundaries of the oil layer observed at the third sampling point along the line where MC-SD-05 was collected.

The grass-covered depositional area was the first area to be sampled. Tetra Tech collected three grab samples from this area. The first sample (MC-SD-08A) was a surface sediment sample

collected 0-6 inches bgs and consisted of grayish-brown silty clay. The second sample collected was a subsurface sediment sample (MC-SD-08B) collected 6 to 24 inches bgs at the same sampling location as MC-SD-08A. At 6 inches bgs, a strong petroleum odor was noted in the sandy layer encountered. The final grab sample collected from this depositional area was MC-SD-09. This sample was collected of an oily-sand layer located 3 to 6 inches bgs.

After the collection of the sediment samples from the depositional area, Tetra Tech proceeded to delineate the oily layer encountered on August 18, 2008 during the collection of sample MC-SD-05B. The first boring advanced was located approximately 3 feet from the shoreline. At 6 inches bgs, a gray clayey-silt with a petroleum odor was noted. At 12 to 24 inches bgs, an oil-saturated gray clayey-silt layer was encountered. A clay layer was encountered at 24 inches bgs. The oil staining continued into the clay layer up to a depth of 36 inches bgs. A second hole was advanced 20 feet southeast of the shoreline. Oil saturated sand was encountered in this boring at 3 inches bgs. Sediment sample MC-SD-10 was collected from this boring within the oil-saturated layer at a depth of 30 inches bgs. A third boring was advanced approximately 3 feet southeast of the shoreline. Oil-saturated sand was encountered from a depth of 3 inches to 36 inches bgs in this boring. Tetra Tech continued to advance borings in this area until the approximate boundaries of the oil-saturated area was delineated. At 50 feet southeast of the shoreline, the subsurface was not saturated with oil, although petroleum staining and a petroleum odor were detected. No oil staining or petroleum odor was noted at approximately 60 feet southeast of the shoreline. Evidence of oil in the subsurface was encountered in an estimated 21,000 square foot area. This area is depicted in Appendix A, Figure 4. Table 2 provides the sample identifiers, collection times, depth, location, and descriptions for samples collected on August 18, 2008. Sampling locations are shown in Appendix A, Figure 3.

TABLE 2
SEDIMENT SAMPLING SUMMARY
August 19, 2008

Sample Identifiers	Time Sampled	Depth (inches bgs)	Sample Location and Description
MC-SD-08A	0834	0-6	Collected from depositional area. Sample consisted of sand.
MC-SD-08B	0843	6-24	Collected from depositional area at same location as MC-SD-08A. Strong petroleum odor noted at 6 inches bgs. Sample consisted of sand with pebbles.
MC-SD-09	0925	3-6	Collected from depositional area at depth where oil-stained sand observed.
MC-SD-10	1010	30	Collected sample of oil-saturated layer located approximately 20 feet southeast of shoreline at 30 inches bgs.

Notes: bgs = below ground surface

3.3 SAMPLE MANAGEMENT

Samples were handled and packaged in accordance with the Tetra Tech SOP No. 019, "Packaging and Shipping Samples" (Tetra Tech 2000) and with the Tetra Tech "Quality Assurance Project Plan (QAPP) for START" (Tetra Tech 2006). All shipping containers were properly labeled with EPA custody seals and were delivered with signed chain-of-custody forms and appropriate hazard warnings for laboratory personnel.

On August 20, 2008, a portion of the 16 sediment samples collected and one rinsate blank were shipped to KAP Technologies, Inc. of The Woodlands, Texas, via Federal Express under EPA's Contract Laboratory Program (CLP) Case Number 37753 for Target Compound List (TCL) SVOCs, pesticides and PCBs analysis. A separate portion of the 16 sediment samples and one rinsate blank were also shipped to A4 Scientific under CLP Case Number 37753 for Target Analyte List (TAL) metals analysis.

On September 2, 2008, a third portion of the 16 sediment samples collected and one rinsate blank were shipped to Analytical Services Ltd. in Sidney, British Columbia under Superfund Delivery of Analytical Services (DAS) request number R33046 for total PCB congeners analysis using EPA method 1668A.

4.0 ANALYTICAL RESULTS

The 16 sediment samples collected during this sampling event were analyzed by an EPA CLP laboratory in accordance with the EPA CLP Statement of Work for TCL SVOCs, PCBs, pesticides, and TAL metals. In addition, a portion of each of the 16 samples was shipped to Analytical Services Ltd. under an EPA DAS request for total PCB congener analysis using EPA Method 1668A. Analytical summary tables for the sediment samples are provided in Appendix C, Tables 1 through 4. The CLP laboratory analytical data packages are included as Attachment 1. The total PCB congener laboratory analytical data is provided as Attachment 2, and the total PCB homolog data is provided as Attachment 3.

4.1 CLP ANALYTICAL DATA RESULTS

As shown in Table 1 of Appendix C, the SVOCs reported in the sediment samples consisted predominately of polycyclic aromatic hydrocarbons (PAH). The highest concentration of PAHs was reported in MC-SD-01B. MC-SD-01B was a 5-point composite sample collected from 6 to 24 inches bgs on the eastern side of the small peninsula nearest the shoreline (see Appendix A, Figure 3). A petroleum odor was noted in this sample prior to placement into the laboratory bottleware. The total PAHs reported in this sample was 33,590 µg/kg. PAHs were also reported in samples MC-SD-02B, MC-SD-04A, MC-SD-05A, MC-SD-05B, MC-SD-06 and MC-SD-10. MC-SD-06 and MC-SD-10 were discrete samples collected from an oil-stained layer observed within the sediment at these locations.

Appendix C, Table 2 summarizes the pesticides detected in the sediment samples. Low levels of pesticides were reported in 5 of the 16 sediment samples collected. The highest concentration detected was 190 µg/kg of 4,4-DDE reported in MC-SD-10.

As shown in Appendix C, Table 3, PCBs were detected by the CLP laboratory in 7 of the 16 sediment samples collected. The maximum concentrations detected were reported in MC-SD-10, with 1,600 µg/kg of Aroclor-1248 and 830 µg/kg of Aroclor-1260 reported. The other samples with PCBs reported above the laboratory detection limit were MC-SD-01B, MC-SD-02A, MC-SD-05A, MC-SD-05B, MC-SD-06 and MC-SD-09.

Appendix C, Table 4 summarizes the metals detected in sediment samples collected during this sampling event. The maximum levels detected were reported in the same samples that also contained PAHs and PCBs, specifically, MC-SD-01B, MC-SD-05B, MC-SD-06, MC-SD-09 and MC-SD-10.

4.2 TOTAL PCB CONGENER ANALYSIS RESULTS

Analytical results reported for the 16 samples shipped to Analytical Services Ltd. for total PCB congener analysis are provided in Attachment 2. In addition to the total PCB congeners, the laboratory provided the total concentration for the 10 possible PCB homologs. This data is provided in Attachment 3. As shown in Attachment 3, the maximum total PCB homolog concentration was reported in sample MC-SD-01B, with a total PCB homolog concentration of 40,400,000 picograms per gram (pg/g) (40,400 µg/kg). Other samples with high concentrations detected include MC-SD-010 with 5,630,000 pg/g (5,630 µg/kg) and MC-SD-06, with 5,160,000 pg/g (5,160 µg/kg) reported. The remainder of the samples had total PCB homologs ranging from 11,900 pg/g (11.9 µg/kg) reported in MC-SD-03B to 1,490,000 pg/g (1,490 µg/kg) reported in MC-SD-05B.

As part of the removal assessment completed in 2007, a Tetra Tech chemist compared the concentrations of PCB congeners detected in groundwater samples collected from on-site monitoring wells to the concentrations of PCB congeners detected in two sediment samples collected from Stoney Creek. This comparison was done to determine if the PCBs found in groundwater and sediment samples originated from the same on-site source. Based on this comparison, the PCBs detected in the off-site sediment samples originated from the same source as the PCBs detected in the on-site groundwater samples. The PCB congener comparison completed as part of the 2007 removal assessment is included in Appendix D.

As part of this assessment, a Tetra Tech chemist compared the results of the concentrations of PCB congeners detected in sediment samples collected from the Delaware River during this investigation to PCB congeners detected in groundwater samples collected from on-site monitoring wells and two sediment samples collected from Stoney Creek, adjacent to the Metro Container site during the 2007 removal assessment. The strongest correlation of PCB congeners

detected were found in the sediment samples collected from the inlet located northeast of the Stoney Creek channel to the peninsula of undeveloped land. The two sediment samples (MC-SD-01A and MC-SD-01B) collected in the inlet located northeast of the peninsula had strong correlation of 93 PCB congeners, but also contained concentrations of PCB congeners 206, 208, and 209 significantly higher than was reported in the samples collected on or adjacent to the site in 2007. This indicates that this area is being impacted by contribution of PCBs from other sources in the area. The PCB congener comparison completed as part of this assessment is included in Appendix E.

5.0 SUMMARY AND CONCLUSIONS

The concentrations of compounds detected in the 16 sediment samples collected during this sampling event were compared to the Freshwater Sediment Screening Benchmarks developed by EPA Region 3's BTAG. As indicated in Appendix C, Table 1, the majority of the SVOCs reported in the sediment samples were detected above the corresponding BTAG screening benchmark. In samples MC-SD-01B, MC-SD-06 and MC-SD-10 the concentrations reported were significantly above the corresponding benchmarks. As shown in Appendix C, Table 2, the pesticides detected in five of the sediment samples collected were also reported above the corresponding BTAG screening benchmark, however, with the exception of 4,4-DDE (reported in MC-SD-10 at 190 µg/kg), the concentrations were not significantly above the corresponding benchmark. As presented in Appendix C, Table 4, the levels of metals reported in samples MC-SD-01B, MC-SD-05B, MC-SD-06, MC-SD-09 and MC-SD-10 also exceeded the corresponding BTAG screening benchmark.

The BTAG screening benchmark for PCBs is 59.8 µg/kg. As shown in Appendix C, Table 3, the concentrations reported in the TCL PCB analytical results indicated that this concentration was significantly exceeded in samples MC-SD-01B (560 µg/kg), MC-SD-05B (120 µg/kg), MC-SD-06 (740 µg/kg), MC-SD-09 (120 µg/kg) and MC-SD-10 (1,600 µg/kg). The results obtained from the total PCB congener analysis confirmed these results indicating the highest concentrations for the 10 total PCB homologs in MC-SD-01B (40,400 µg/kg), MC-SD-06 (5,160 µg/kg) and MC-SD10 (5,630 µg/kg).

The analytical results obtained from this sampling event indicate that an area of contaminated sediments is located in the two Delaware River inlets sampled as part of this assessment (northeast of the Stoney Creek channel and northeast of the undeveloped peninsula). These are the same areas where evidence of oil in the subsurface was noted during field activities (visual and strong petroleum odor). The area that visually appeared to contain oil-contaminated sediments was estimated to be approximately 21,000 square feet in size (see Appendix A, Figure 4).

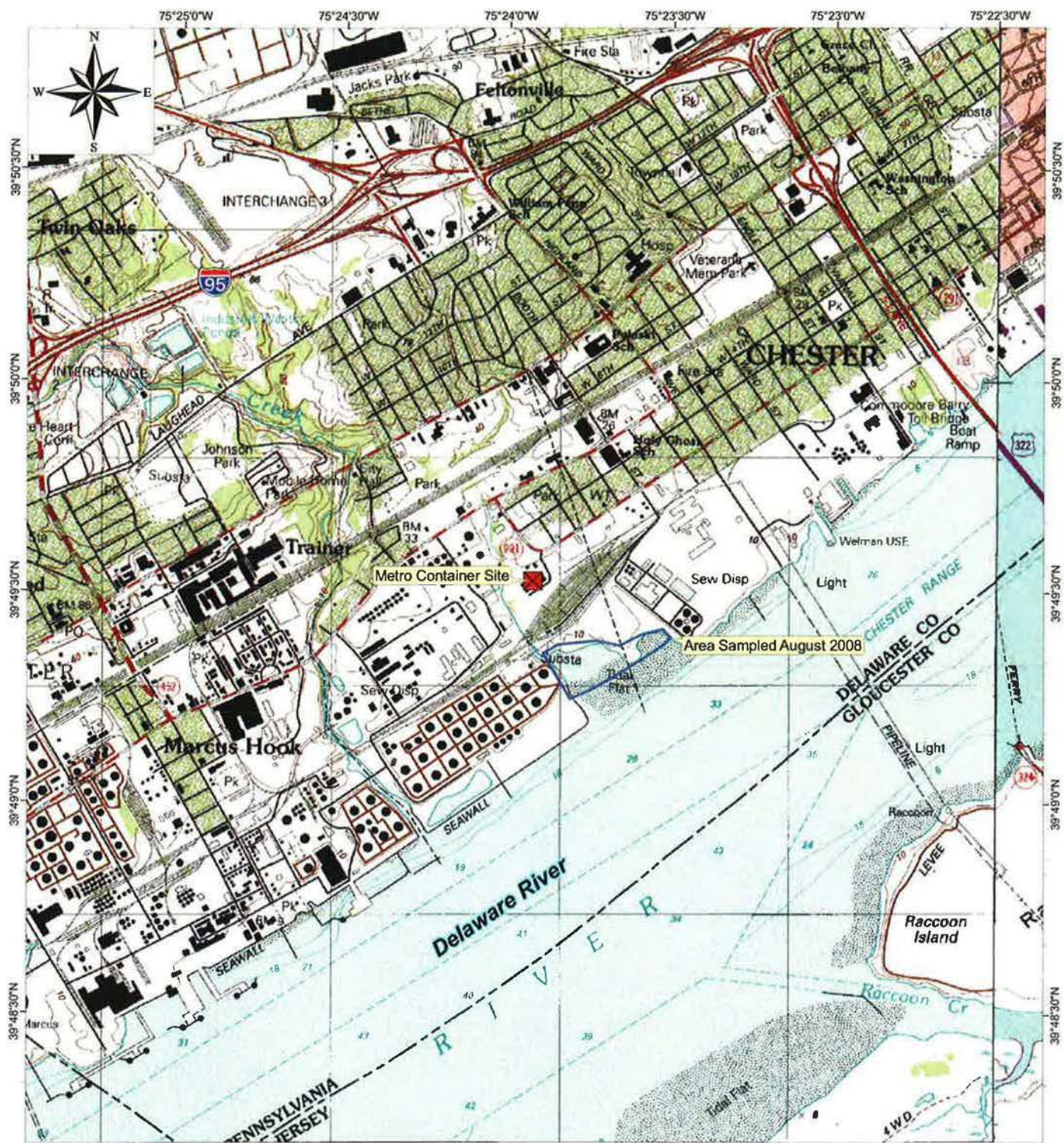
A comparison of the concentrations of PCB congeners reported in sediment samples collected from the Delaware River during this assessment to the PCB congeners detected in samples collected from on or adjacent to the site during the 2007 removal assessment indicated a strong correlation of PCB congeners detected in samples collected in the inlet adjacent to Stoney Creek, indicating the PCBs originated on the Metro Container site. The two sediment samples collected in the inlet located north of the undeveloped peninsula contained three PCB congeners at concentrations significantly higher than the concentrations reported for these PCB congeners in on-site samples. This may be due to many variables, including the contribution of other sources of PCBs not associated with the Metro Container site impacting the sediments in this area.

6.0 REFERENCES

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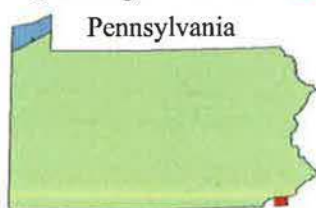
APPENDIX A

Figures



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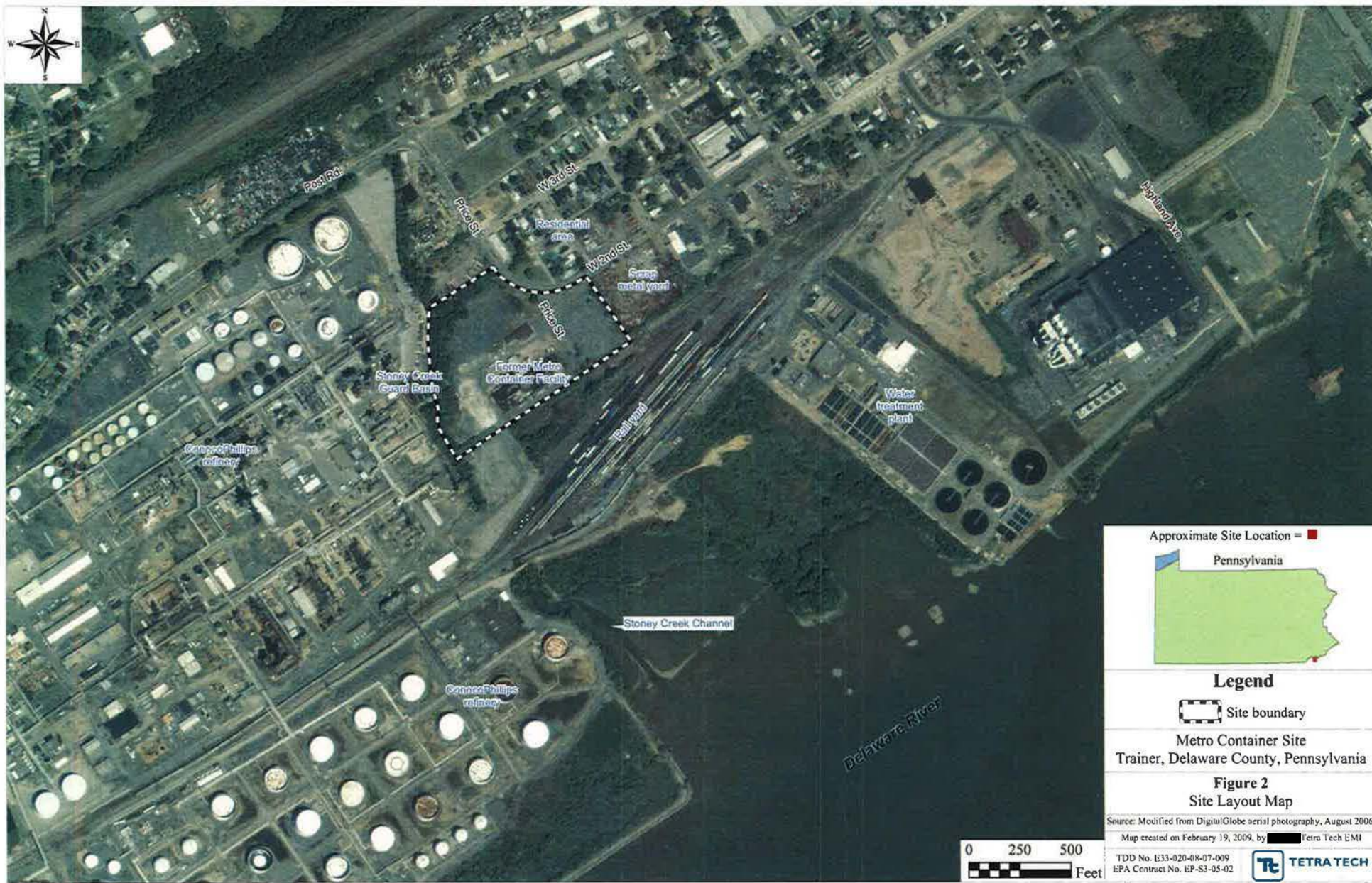
Metro Container Site
 Trainer, Delaware County, Pennsylvania

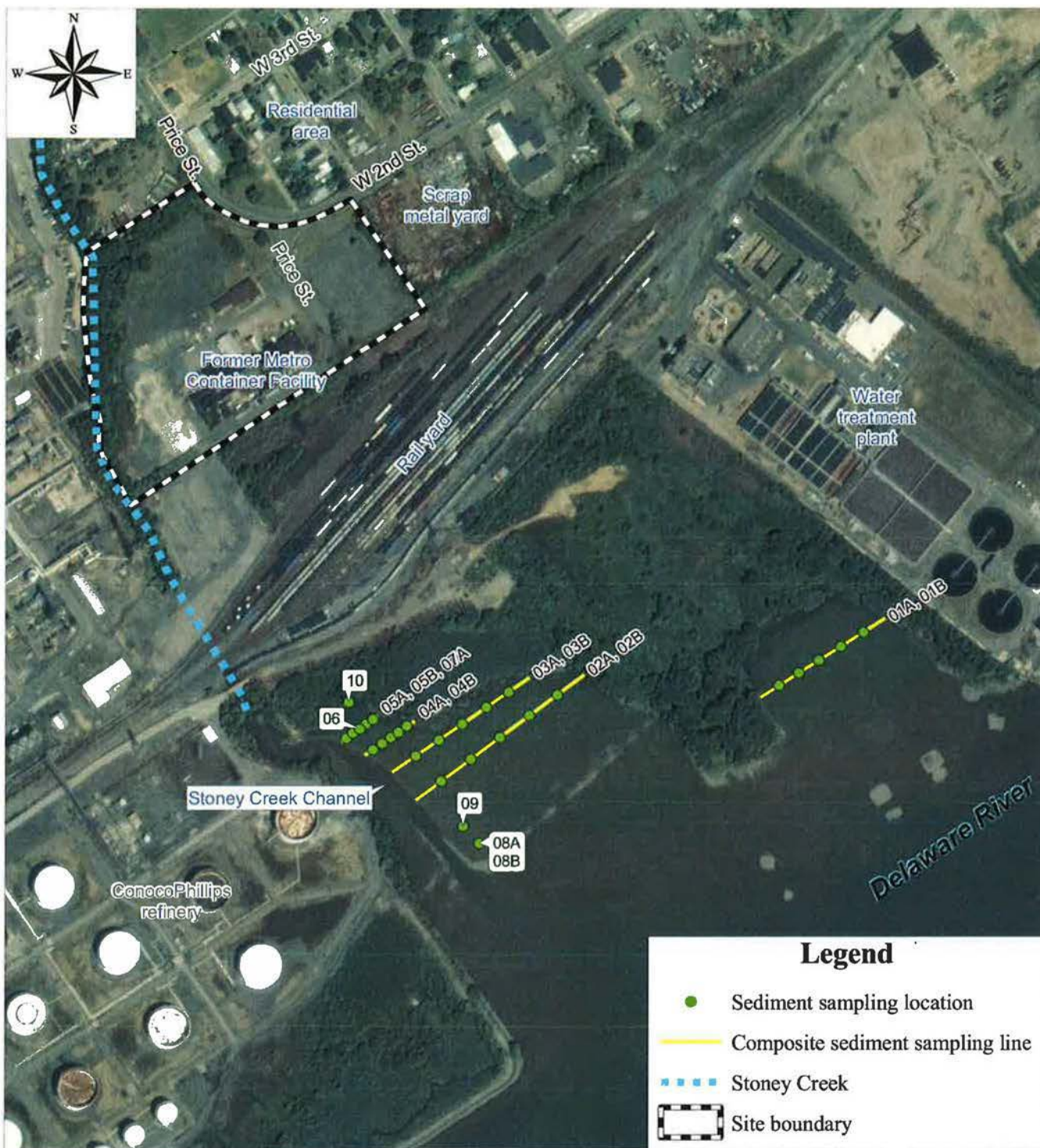
Figure 1
 Site Location Map

TDD No. E33-020-08-07-009
 EPA Contract No. EP-S3-05-02

Map created on February 18, 2009
 by Tetra Tech EMI

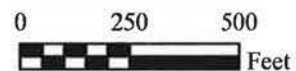




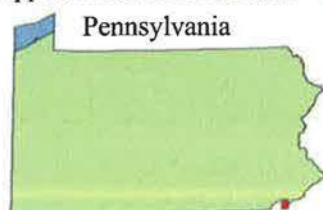


Source: Modified from DigitalGlobe aerial photography, August 2006.

Notes: Sampling IDs for composite samples are given to the right of each composite sampling line. For the sake of clarity, the prefix 'MC-SD-' has been omitted from the sampling location labels.



Approximate Site Location = ■



Metro Container Site
Trainer, Delaware County, Pennsylvania

Figure 3
Sampling Location Map

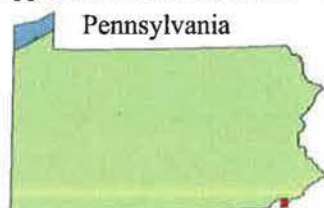
TDD No. E33-020-08-07-009
EPA Contract No. EP-S3-05-02

Map created on February 19, 2009
by Tetra Tech EMI





Approximate Site Location = ■



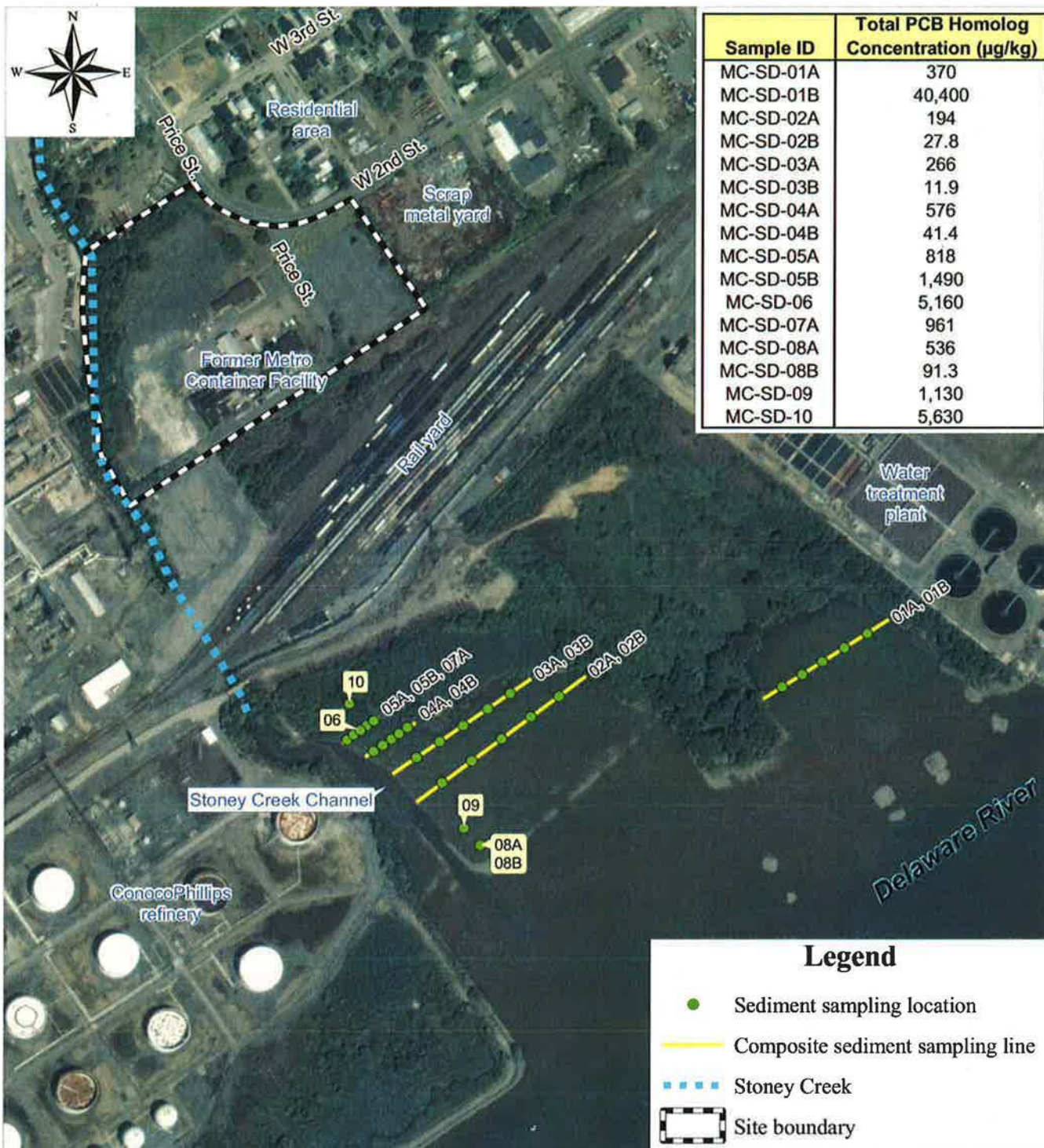
Metro Container Site
Trainer, Delaware County, Pennsylvania

Figure 4
Area of Observed Oil-Stained Sediment

TDD No. E33-020-08-07-009
EPA Contract No. EP-S3-05-02

Map created on February 20, 2009
by Tetra Tech EMI



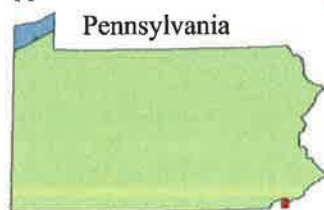


Source: Modified from DigitalGlobe aerial photography, August 2006.

Notes: Sampling IDs for composite samples are given to the right of each composite sampling line. For the sake of clarity, the prefix 'MC-SD-' has been omitted from the sampling location labels.

0 250 500
Feet

Approximate Site Location = ■



Metro Container Site
Trainer, Delaware County, Pennsylvania

Figure 5
Total PCB Homolog Concentrations

TDD No. E33-020-08-07-009
EPA Contract No. EP-S3-05-02

Map created on February 20, 2009
by Tetra Tech EMI



APPENDIX B

Photographic Documentation Log

Site Name: Metro Container Site
Location: Trainor, PA

Photographic Documentation

Prepared by: Tetra Tech EM Inc.
Photographer: [REDACTED]

Photograph No. 1

Photo Date: August 18, 2008

Description: View of Tetra Tech sampling mudflat along sampling line 1.



Photograph No. 2

Photo Date: August 18, 2008

Description: View of sediment sample MC-SD-01A.



Site Name: Metro Container Site
Location: Trainor, PA

Photographic Documentation

Prepared by: Tetra Tech EM Inc.
Photographer: [REDACTED]

Photograph No. 3

Photo Date: August 18, 2008

Description: View of sediment sample MC-SD-01B.



Photograph No. 4

Photo Date: August 18, 2008

Description: View of Tetra Tech sampling mudflat along sampling line 2.



Photographic Documentation

Site Name: Metro Container Site
Location: Trainor, PA

Prepared by: Tetra Tech EM Inc.
Photographer: [REDACTED]

Photograph No. 5

Photo Date: August 18, 2008

Description: View of sediment sample MC-SD-03A.



Photograph No. 6

Photo Date: August 19, 2008

Description: View of depositional area where MC-SD-08A, SD-08B and SD-09 collected.



Photographic Documentation

**Site Name: Metro Container Site
Location: Trainor, PA**

**Prepared by: Tetra Tech EM Inc.
Photographer: [REDACTED]**

Photograph No. 7

Photo Date: August 19, 2008

**Description: View of
depositional area facing
southwest.**



Photograph No. 8

Photo Date: August 19, 2008

**Description: View of sediment
sample MC-SD-090, oil sheen
observed on gravel.**



Site Name: Metro Container Site
Location: Trainor, PA

Photographic Documentation

Prepared by: Tetra Tech EM Inc.
Photographer: [REDACTED]

Photograph No. 9

Photo Date: August 19, 2008

Description: View of sediment sample MC-SD-10, note black oil staining.



APPENDIX C

Analytical Summary Tables

TABLE 1
METRO CONTAINER SITE
SEDIMENT SAMPLE
SEMIVOLATILE ORGANIC COMPOUND
ANALYTICAL RESULTS

Sample Number : Sampling Location : Matrix : Units : Date Sampled :		EPA Region 3 Freshwater Sediment Screening Criteria		C0091 MC-SD-01A Sediment ug/Kg 8/18/2008		C00A8 MC-SD-01B Sediment ug/Kg 8/18/2008		C00A9 MC-SD-02A Sediment ug/Kg 8/18/2008		C00B0 MC-SD-02B Sediment ug/Kg 8/18/2008		C0095 MC-SD-03A Sediment ug/Kg 8/18/2008		C0096 MC-SD-03B Sediment ug/Kg 8/18/2008		C0097 MC-SD-04A Sediment ug/Kg 8/18/2008		C0098 MC-SD-04B Sediment ug/Kg 8/18/2008	
Semivolatile Compound	CRQL	µg/Kg	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
Dibenzofuran	170	415			790														
Phenanthrene	170	204			6500 +				350						350				
Fluorene	170	77.4			1300														
Anthracene	170	57.2			1200														
Carbazole	170	NA			650														
Fluoranthene	170	423			6000 +				250	J					360	L			
Pyrene	170	195			3400	L									280	L			
Benzo(a)anthracene	170	108			2800	L			180	J					230	J			
Chrysene	170	166			2600	L			220	J					270	L			
Bis(2-ethylhexyl)phthalate	170	180			1500														
Benzo(b)fluoranthene	170	27.2			2300				170	J					200	J			
Benzo(k)fluoranthene	170	27.2			1500										200	J			
Benzo(a)pyrene	170	150			2000				330						250	J			
Indeno(1,2,3-cd)pyrene	170	17			1000				360										
Dibenzo(a,h)anthracene	170	33							290										
Benzo(g,h,i)perylene	170	170			1200				850						220	J			
Napthalene	170	176							210	J									
2-Methylnapthalene	170	20			450														
Acenaphthylene	170	5.9			240														
Acenaphthene	170	6.7			1100														
TOTAL PAHs		1,610			33,590				3,210						2,360				

Notes:

+ = Result reported from diluted analysis.

Only compounds reported above the CRQL included in table.

Empty cell indicated substance not reported above detection limit.

Bold number indicates value above corresponding benchmark.

µg/Kg = Micrograms per kilogram

CRQL = Contract Required Quantitation Limit

J = Analyte present. Reported value may not be accurate or precise.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

NA = Not applicable, screening criteria not established for this substance

PAHs = Polycyclic aromatic hydrocarbons

Q = Laboratory analytical data qualifier

TABLE 1
METRO CONTAINER SITE
SEDIMENT SAMPLE
SEMIVOLATILE ORGANIC COMPOUND
ANALYTICAL RESULTS

Sample Number :		EPA Region 3 Freshwater Sediment Screening Criteria	C0099 MC-SD-05A Sediment ug/Kg 8/18/2008		C00A0 MC-SD-05B Sediment ug/Kg 8/18/2008		C00A1 MC-SD-06 Sediment ug/Kg 8/18/2008		C00A2 MC-SD-07A Sediment ug/Kg 8/18/2008		C00A3 MC-SD-08A Sediment ug/Kg 8/19/2008		C00A4 MC-SD-08B Sediment ug/Kg 8/19/2008		C00A5 MC-SD-09 Sediment ug/Kg 8/19/2008		C0090 MC-SD-10 Sediment ug/Kg 8/19/2008		
Semivolatile Compound	CRQL		µg/Kg	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Phenanthrene	170		204	400															
Fluoranthene	170		423	420	L	220	J	1300										780	
Pyrene	170		195	350	L	540		2,600										1200	
Benzo(a)anthracene	170	108	270	J	290	J	1000										360		
Chrysene	170	166	320	L	360		1200										710		
Bis(2-ethylhexyl)phthalate	170	180	810														4200		
Benzo(b)fluoranthene	170	27.2	230	J	220	J	490												
Benzo(k)fluoranthene	170	27.2	220	J			370												
Benzo(a)pyrene	170	150	300		320		1200										560		
Indeno(1,2,3-cd)pyrene	170	17	200	J			420										260	J	
Benzo(g,h,i)perylene	170	170	260	J	300		990										590		
TOTAL PAHs		1,610	3,780		2,250		9,570										8,660		

Notes:

+ = Result reported from diluted analysis.

Only compounds reported above the CRQL included in table.

Empty cell indicated substance not reported above detection limit.

Bold number indicates value above corresponding benchmark.

µg/Kg = Micrograms per kilogram

CRQL = Contract Required Quantitation Limit

J = Analyte present. Reported value may not be accurate or precise.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

NA = Not applicable, screening criteria not established for this substance

PAHs = Polycyclic aromatic hydrocarbons

Q = Laboratory analytical data qualifier

**TABLE 2
METRO CONTAINER SITE
SEDIMENT SAMPLE
PESTICIDE COMPOUND
ANALYTICAL RESULTS**

Sample Number :		EPA Region 3 Freshwater Sediment Screening Criteria	C0091	C00A8	C00A9	C00B0	C0095	C0096	C0097	C0098								
Sampling Location :			MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B								
Matrix :			Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment								
Units :			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg								
Date Sampled :			8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008								
Pesticide Compounds	CRQL	µg/Kg	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aldrin	1.7	2.0																
4,4'-DDE	3.3	3.16																
4,4'-DDD	3.3	4.88																
4,4'-DDT	3.3	4.16																

Sample Number :		EPA Region 3 Freshwater Sediment Screening Criteria	C0099	C00A0	C00A1	C00A2	C00A3	C00A4	C00A5	C0090								
Sampling Location :			MC-SD-05A	MC-SD-05B	MC-SD-06	MC-SD-07A	MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-10								
Matrix :			Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment								
Units :			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg								
Date Sampled :			8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/19/2008	8/19/2008	8/19/2008	8/19/2008								
Pesticide Compounds	CRQL	µg/Kg	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aldrin	1.7	2.0															12	J
4,4'-DDE	3.3	3.16	3.6	J	9.8	J	27							5			190 +	
4,4'-DDD	3.3	4.88			4.7	J											34	J
4,4'-DDT	3.3	4.16			5.2	J	18										44	J

Notes:

+ = Result reported from diluted analysis.

Only compounds reported above the CRQL included in table.

Empty cell indicated substance not reported above detection limit.

Bold number indicates value above corresponding benchmark.

µg/Kg = Micrograms per kilogram

CRQL = Contract Required Quantitation Limit

J = Analyte present. Reported value may not be accurate or precise.

Q = Laboratory analytical data qualifier

TABLE 3
METRO CONTAINER SITE
SEDIMENT SAMPLE
ARCLOR COMPOUNDS
ANALYTICAL RESULTS

Sample Number :		EPA Region 3 Freshwater Sediment Screening Criteria	C0091	C00A8	C00A9	C00B0	C0095	C0096	C0097	C0098								
Sampling Location :			MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B								
Matrix :			Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment								
Units :			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg								
Date Sampled :			8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008								
Aroclor Compounds	CRQL	µg/Kg	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aroclor-1248	33	59.8					52	J										
Aroclor-1260	33	59.8					48	J										
Aroclor-1268	33	59.8			560 +													

Sample Number :		EPA Region 3 Freshwater Sediment Screening Criteria	C0099		C00A0		C00A1		C00A2		C00A3		C00A4		C00A5		C0090	
Sampling Location :			MC-SD-05A		MC-SD-05B		MC-SD-06		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-10	
Matrix :			Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Units :			ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/19/2008		8/19/2008		8/19/2008		8/19/2008	
Aroclor Compounds	CRQL	µg/Kg	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aroclor-1248	33	59.8	57	J	120	J	740 +	J							82	J	1600 +	
Aroclor-1260	33	59.8	62		120	J	120								120	J	830	
Aroclor-1268	33	59.8																

Notes:

+ = Result reported from diluted analysis.

Only compounds reported above the CRQL included in table.

Empty cell indicated substance not reported above detection limit.

Bold number indicates value above corresponding benchmark.

µg/Kg = Micrograms per kilogram

CRQL = Contract Required Quantitation Limit

J = Analyte present. Reported value may not be accurate or precise.

Q = Laboratory analytical data qualifier

TABLE 4
METRO CONTAINER SITE
SEDIMENT SAMPLE
INORGANIC COMPOUNDS
ANALYTICAL RESULTS

Sample Number : Sampling Location : Matrix : Units : Date Sampled :		EPA Region 3 Freshwater Sediment Screening Criteria	MC0091 MC-SD-01A Sediment ug/Kg 8/18/2008		MC00A8 MC-SD-01B Sediment ug/Kg 8/18/2008		MC00A9 MC-SD-02A Sediment ug/Kg 8/18/2008		MC00B0 MC-SD-02B Sediment ug/Kg 8/18/2008		MC0095 MC-SD-03A Sediment ug/Kg 8/18/2008		MC0096 MC-SD-03B Sediment ug/Kg 8/18/2008		MC0097 MC-SD-04A Sediment ug/Kg 8/18/2008		MC0098 MC-SD-04B Sediment ug/Kg 8/18/2008	
Analyte	CRDL		mg/kg	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result
ALUMINUM	20	NA	5880	J	9100	J	5880	J	12200	J	8970	J	13200	J	9250	J	13800	J
ANTIMONY	6	2																
ARSENIC	1	9.8	6.8	J	59.2	J	5.3	J	5.7	J	7.4	J	4.4	J	6.8	J	2.6	J
BARIUM	20	NA	85.2		125		105		100		132		111		182		106	
BERYLLIUM	0.5	NA	0.35	J	0.60	J	0.35	J	0.64	J	0.50	J	0.74	J	0.51	J	0.72	J
CADMIUM	0.5	0.99	1.1		2.6		0.67	J			1.0				1.3			
CALCIUM	500	NA	2730	B	1760	B	2180	B	1940	B	3040	B	1860	B	4000	B	1540	B
CHROMIUM	1	43.4	24.5		54.3		23.0		34.4		33.6		41.6		36.0		34.6	
COBALT	5	50	9.6		12.2		8.1	J	12.3		11.8		11.3		11.2		13.0	
COPPER	2.5	31.6	39.9		65.3		34.8		32.1		82.6		21.7		139		15.5	
IRON	10	20000	15300		20300		14600		21100		19100		21500		18600		25300	
LEAD	1	35.8	40.2	J	205	J	31.9	J	65.8	J	107	J	19.6	J	110	J	16.0	J
MAGNESIUM	500	NA	2830	B	3150	B	2570	B	4450	B	3340	B	4340	B	3440	B	4630	B
MANGANESE	1.5	460	497	J	329	J	373	J	342	J	523	J	333	J	652	J	290	J
MERCURY	0.1	0.18	0.21		0.81		0.30		0.081	J	0.45		0.13	J	0.78		0.11	J
NICKEL	4	22.7	16.4		24.3		15.3		25.2		24.5		23.0		31.2		22.2	
POTASSIUM	500	NA	912		1080		862	J	1150		1010		1060		1060		823	
SELENIUM	3.5	2																
SILVER	1	1																
SODIUM	500	NA																
THALLIUM	2.5	NA																
VANADIUM	5	NA	21.9		33.7		23.7		37.4		36.4		43.7		50.6		40.0	
ZINC	6	121	199	J	546	J	129	J	67.3	J	207	J	76.0	J	289	J	67.3	J

Notes:

Empty cell indicated substance not reported above detection limit.

Bold number indicates value above corresponding benchmark.

mg/kg = milligrams per kilogram

B = Analyte not detected substantially above the level reported in laboratory or field blanks.

CRDL = Contract Required Detection Limit

J = Analyte present. Reported value may not be accurate or precise.

NA = Not applicable, screening criteria not established for this substance

Q = Laboratory analytical data qualifier

**TABLE 4
METRO CONTAINER SITE
SEDIMENT SAMPLE
INORGANIC COMPOUNDS
ANALYTICAL RESULTS**

Sample Number : Sampling Location : Matrix : Units : Date Sampled :		EPA Region 3 Freshwater Sediment Screening Criteria	MC0099 MC-SD-05A Sediment ug/Kg 8/18/2008		MC00A0 MC-SD-05B Sediment ug/Kg 8/18/2008		MC00A1 MC-SD-06 Sediment ug/Kg 8/18/2008		MC00A2 MC-SD-07A Sediment ug/Kg 8/18/2008		MC00A3 MC-SD-08A Sediment ug/Kg 8/19/2008		MC00A4 MC-SD-08B Sediment ug/Kg 8/19/2008		MC00A5 MC-SD-09 Sediment ug/Kg 8/19/2008		MC0090 MC-SD-10 Sediment ug/Kg 8/19/2008	
Analyte	CRDL		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
ALUMINUM	20	NA	9400	J	12800	J	8750	J	10200	J	8130	J	9020	J	3330	J	16200	J
ANTIMONY	6	2																
ARSENIC	1	9.8	7.6	J	40.7	J	62.9	J	7.7	J	3.5	J	4.2	J	4.6	J	45.8	J
BARIUM	20	NA	199		232		255		212		107		91.1		153		519	
BERYLLIUM	0.5	NA	0.53	J	0.79	J	0.50	J	0.55	J	0.48	J	0.52	J	0.20	J	0.97	
CADMIUM	0.5	0.99	1.6		2.5		5.4		1.6		0.38	J	0.26	J	1.2		3.2	
CALCIUM	500	NA	4480	B	2870	B	4200	B	3930	B	1440	B	1390	B	818	B	5710	B
CHROMIUM	1	43.4	41.5		67.9		48.1		42.5		24.8		27.4		20.4		95.9	
COBALT	5	50	11.9		15.4		11.5		12.1		8.9		8.0		4.2	J	16.8	
COPPER	2.5	31.6	150		79.2		171		165		16.3		12.0		51.8		228	
IRON	10	20000	17900		27600		29100		19700		13000		15100		7200		29300	
LEAD	1	35.8	133	J	225	J	314	J	121	J	24.3	J	12.8	J	922	J	365	J
MAGNESIUM	500	NA	3600	B	4440	B	3030	B	3600	B	2980	B	3350	B	1210	B	4600	B
MANGANESE	1.5	460	445	J	347	J	280	J	460	J	196	J	241	J	202	J	429	J
MERCURY	0.1	0.18	0.65		1.4		1.4		0.82		0.22		0.11	J	0.65		1.9	
NICKEL	4	22.7	37.8		33.8		38.2		41.1		17.5		17.0		9.2		58.1	
POTASSIUM	500	NA	1010		1060		819		1050		820		927		791		1170	
SELENIUM	3.5	2			2.5	J	2.5	J									3.7	J
SILVER	1	1																
SODIUM	500	NA																
THALLIUM	2.5	NA																
VANADIUM	5	NA	55.2		57.1		62.4		61.8		29.1		29.9		15.0		143	
ZINC	6	121	341	J	465	J	660	J	337	J	79.4	J	56.4	J	279	J	801	J

Notes:

Empty cell indicated substance not reported above detection limit.

Bold number indicates value above corresponding benchmark.

mg/kg = milligrams per kilogram

B = Analyte not detected substantially above the level reported in laboratory or field blanks.

CRDL = Contract Required Detection Limit

J = Analyte present. Reported value may not be accurate or precise.

NA = Not applicable, screening criteria not established for this substance

Q = Laboratory analytical data qualifier

APPENDIX D

Metro Container Site PCB Congener Comparison

**PCB Congeners Comparison
Metro Container Site, Trainer, Pennsylvania**

Tetra Tech compared the congeners found in monitoring wells GW-114 and GWC3, both on-site wells, to the congeners found in sediment samples SD-09 and SD-10 both collected outside the property limits.

Tetra Tech is providing two tables comparing the data.

The first table compares the data by the chlorination level presented using increasing International Union of Pure and Applied Chemistry (IUPAC) number. There are 209 PCB congeners. Of the 209 congeners there were only 32 congeners that were not detected in either the water samples or the sediment samples.

The only significant difference noted was for PCB congener 179. It was detected in both groundwater samples at a relatively high concentration compared to the other congeners (19 percent of the highest concentration), but was not detected in sediment sample SD-10.

The second table provides the data in concentration order comparing the highest concentrations found in sample GW-114 (on-site sample) with the highest PCB concentrations reported in the other samples.

The table shows that for the first 122 congeners both the sediment samples have the same congeners detected as was reported for sample GW-114 (with the exception of congener 179 as noted above).

This clearly demonstrates that the congeners in the sediment samples can be attributed to the site with some environmental differences probably due to degradation of the congeners.

TABLE F-1
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A COMPARED BY INDIVIDUAL BIPHENYL

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6			C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3			MC07-SD-09		MC07-SD-10	
Matrix :		Aqueous		Aqueous			Soil		Soil	
Units :		pg/L		pg/L			pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007			3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45			14:10		14:20	
Dilution Factor :		50		1.17			47.6		48.1	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	QL	Result	Flag	Result	Flag
2-MoCB (#1)	10	956000		5070		1	10600		4980	
3-MoCB (#2)	10	211000		309		1	1380		1080	
4-MoCB (#3)	10	588000		1050		1	5910		5220	
2,2'-DiCB (#4)	10	1550000		7360	J	1	42700		12900	
2,3-DiCB (#5)	10	297000		1030	J	1	4820	J	3060	
2,3'-DiCB (#6)	10	789000		2010	J	1	12100		7100	
2,4-DiCB (#7)	10	176000		428	J	1	2560		2080	
2,4'-DiCB (#8)	10	3180000	J	7740	J	1	49500		26500	
2,5-DiCB (#9)	10	296000		820	J	1	5370		3460	
2,6-DiCB (#10)	10	61300		286	J	1	1960		850	
3,3'-DiCB (#11)	10	40700		136	B	1	1010		805	
3,4-DiCB (#12)	10	240000		404	J	1	3420		3140	
3,4'-DiCB (#13)	10	240000		404	J	1	3420		3140	
3,5-DiCB (#14)	10				UJ	1				
4,4'-DiCB (#15)	10	1310000		2470		1	33100		20800	
2,2',3-TrCB (#16)	10	1940000		7050	J	1	55800		32300	
2,2',4'-TrCB (#17)	10	1720000		5980	J	1	64900		37600	
2,2',5-TrCB (#18)	10	5110000	J	18900	J	1	181000		105000	
2,2',6-TrCB (#19)	10	559000		1930	J	1	33300		12700	
2,3,3'-TrCB (#20)	10	57000000	J	18200	J	1	182000		119000	
2,3,4-TrCB (#21)	10	4070000	J	10700	J	1	62100		50900	
2,3,4'-TrCB (#22)	10	2450000	J	6550	J	1	50000		36800	
2,3,5-TrCB (#23)	10	5370			UJ	1				
2,3,6-TrCB (#24)	10	111000		254	J	1	3050		1050	
2,3',4-TrCB (#25)	10	330000		1010	J	1	11400		6230	
2,3',5-TrCB (#26)	10	1000000		2850	J	1	28100		17600	
2,3',6-TrCB (#27)	10	306000		987	J	1	18100		7450	
2,4,4'-TrCB (#28)	10	5700000	J	18200	J	1	182000		119000	
2,4,5-TrCB (#29)	10	1000000		2850	J	1	28100		17600	
2,4,6-TrCB (#30)	10	5110000	J	18900	J	1	181000		105000	
2,4',5-TrCB (#31)	10	6360000	J	19400	J	1	158000		125000	
2,4',6-TrCB (#32)	10	1110000		4840	J	1	71800		36600	

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#12 & #13 coelute, #18 & #30 coelute, #26 & #29 coelute, #20 & #28 coelute, # 21& #33 coelute

TABLE F-1
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A COMPARED BY INDIVIDUAL BIPHENYL

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6			C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3			MC07-SD-09		MC07-SD-10	
Matrix :		Aqueous		Aqueous			Soil		Soil	
Units :		pg/L		pg/L			pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007			3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45			14:10		14:20	
Dilution Factor :		50		1.17			47.6		48.1	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	QL	Result	Flag	Result	Flag
2,3',4'-TrCB (#33)	10	4070000	J	10700	J	1	62100		50900	
2,3',5- TrCB (#34)	10	19000		123	J	1	399			
3,3',4-TrCB (#35)	10	59400			UJ	1	1140	J		
3,3',5-TrCB (#36)	10				UJ	1				
3,4,4'-TrCB (#37)	10	1670000		3400		1	39200		27700	
3,4,5-TrCB (#38)	10				UJ	1				
3,4',5-TrCB (#39)	10	52900		187	J	1			1540	
2,2',3,3'-TeCB (#40)	10	4380000	J	11200		1	286000		143000	
2,2',3,4-TeCB (#41)	10	984000		2970		1	47100		39500	
2,2',3,4'-TeCB (#42)	10	2200000	J	6780		1	181000		85900	
2,2',3,5-TeCB (#43)	10	502000		1540		1	37500		15100	
2,2',3,5'-TeCB (#44)	10	8310000	J	30300		1	742000	J	368000	
2,2',3,6-TeCB (#45)	10	1740000		5580		1	179000		81500	
2,2',3,6'-TeCB (#46)	10	569000		1790		1	50700		24700	
2,2',4,4'-TeCB (#47)	10	8310000	J	30300		1	742000	J	368000	
2,2',4,5-TeCB (#48)	10	2190000	J	6380		1	93500		63800	
2,2',4,5'-TeCB (#49)	10	4490000	J	15900		1	394000		192000	
2,2',4,6-TeCB (#50)	10	1240000		4090		1	143000		69100	
2,2',4,6'-TeCB (#51)	10	1740000		5580		1	179000		81500	
2,2',5,5'-TeCB (#52)	10	11700000	J	38900		1	1040000	J	417000	
2,2',5,6'-TeCB (#53)	10	1240000		4090		1	143000		69100	
2,2',6,6'-TeCB (#54)	10	23300		84.3	J	1	2270		1050	
2,3,3',4-TeCB (#55)	10	156000				1			5930	
2,3,3',4'-TeCB (#56)	10	4340000	J	10600		1	164000		117000	
2,3,3',5-TeCB (#57)	10					1				
2,3,3',5'-TeCB (#58)	10					1			777	
2,3,3',6-TeCB (#59)	10	753000		2230		1	66700		31300	
2,3,4,4'-TeCB (#60)	10	2630000	J	3870		1	61700		57500	
2,3,4,5-TeCB (#61)	10	15500000	J	43100		1	625000	J	425000	
2,3,4,6-TeCB (#62)	10	753000		2230		1	66700		31300	
2,3,4',5-TeCB (#63)	10	380000		1070		1	11500		10000	
2,3,4',6-TeCB (#64)	10	3920000	J	11900		1	237000		141000	

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#40 & #71 coelute, #44,#47,#65 coelute, #45 & #51 coelute, #50 & #53 coelute, #49 & #69 coelute, #59,#62,#75 coelute, #61,#70, #74, #76 coelute

TABLE F-1
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A COMPARED BY INDIVIDUAL BIPHENYL

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5	C01F6		C01F7	C01F8
Sampling Location :		MC07-GW-114	MC07-GW-C3		MC07-SD-09	MC07-SD-10
Matrix :		Aqueous	Aqueous		Soil	Soil
Units :		pg/L	pg/L		pg/g	pg/g
Date Sampled :		3/13/2007	3/14/2007		3/06/2007	3/06/2007
Time Sampled :		16:30	10:45		14:10	14:20
Dilution Factor :		50	1.17		47.6	48.1
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	QL	Result	Flag
2,3,5,6-TeCB (#65)	10	8310000	J	1	742000	J
2,3',4,4'-TeCB (#66)	10	7530000	J	1	427000	
2,3',4,5'-TeCB (#67)	10	211000		1	7960	
2,3',4,5'-TeCB (#68)	10	15200		1	1700	
2,3',4,6'-TeCB (#69)	10	4490000	J	1	394000	
2,3',4',5'-TeCB (#70)	10	15500000	J	1	625000	
2,3',4',6'-TeCB (#71)	10	4380000	J	1	286000	
2,3',5,5'-TeCB (#72)	10	29200		1	3260	
2,3',5',6'-TeCB (#73)	10			1		
2,4,4',5'-TeCB (#74)	10	15500000	J	1	625000	
2,4,4',6'-TeCB (#75)	10	753000		1	66700	
2,3',4',5'-TeCB (#76)	10	15500000	J	1	625000	
3,3',4,4'-TeCB (#77)	10	551000		1	27200	
3,3',4,5'-TeCB (#78)	10			1		
3,3',4,5'-TeCB (#79)	10	235000		1	27200	
3,3',5,5'-TeCB (#80)	10			1		
3,4,4',5'-TeCB (#81)	10			1		
2,2',3,3',4'-PeCB (#82)	10	1240000		1	161000	
2,2',3,3',5'-PeCB (#83)	10	513000		1	37600	
2,2',3,3',6'-PeCB (#84)	10	2350000	J	1	311000	
2,2',3,4,4'-PeCB (#85)	10	1150000		1	155000	
2,2',3,4,5'-PeCB (#86)	10	5740000	J	1	776000	J
2,2',3,4,5'-PeCB (#87)	10	5740000	J	1	776000	J
2,2',3,4,6'-PeCB (#88)	10	1150000		1	178000	
2,2',3,4,6'-PeCB (#89)	10	186000		1	23300	
2,2',3,4',5'-PeCB (#90)	10	7630000	J	1	1010000	J
2,2',3,4',6'-PeCB (#91)	10	1150000		1	178000	
2,2',3,5,5'-PeCB (#92)	10	1030000		1	186000	
2,2',3,5,6'-PeCB (#93)	10	105000		1	26500	
2,2',3,5,6'-PeCB (#94)	10	54900		1	8020	
2,2',3,5',6'-PeCB (#95)	10	6680000	J	1	891000	J
2,2',3,6,6'-PeCB (#96)	10	89700		1	13400	

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#85,#116,#117 coelute, #86,#87,#97,#108,#119, #125 coelute, #88 & #91 coelute, #90,#101,#113 coelute, #93 & #100 coelute, #98 & #102 coelute#107,#124 coelute, #110,#115 coelute

TABLE F-1
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A COMPARED BY INDIVIDUAL BIPHENYL

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5	C01F6		C01F7	C01F8				
Sampling Location :		MC07-GW-114	MC07-GW-C3		MC07-SD-09	MC07-SD-10				
Matrix :		Aqueous	Aqueous		Soil	Soil				
Units :		pg/L	pg/L		pg/g	pg/g				
Date Sampled :		3/13/2007	3/14/2007		3/06/2007	3/06/2007				
Time Sampled :		16:30	10:45		14:10	14:20				
Dilution Factor :		50	1.17		47.6	48.1				
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	QL	Result	Flag	Result	Flag
2,2',3,4',5'-PeCB (#97)	10	5740000	J	27300		1	776000	J	211000	
2,2',3,4',6'-PeCB (#98)	10	330000		1340		1	49700		17700	
2,2',4,4',5'-PeCB (#99)	10	3150000	J	13900		1	445000		125000	
2,2',4,4',6'-PeCB (#100)	10	105000		6290		1	26500		7460	
2,2',4,5,5'-PeCB (#101)	10	7630000	J	34700		1	1010000	J	223000	
2,2',4,5,6'-PeCB (#102)	10	330000		1340		1	49700		17700	
2,2',4,5',6'-PeCB (#103)	10	42800		210		1	6400		2320	
2,2',4,6,6'-PeCB (#104)	10					1	265	J		
2,3,3',4,4'-PeCB (#105)	10	2960000	J	12000		1	222000		96700	
2,3,3',4,5'-PeCB (#106)	10					1	11700		1960	J
2,3,3',4',5'-PeCB (#107)	10	303000		1190		1			9100	
2,3,3',4,5'-PeCB (#108)	10	5740000	J	27300		1	776000	J	211000	
2,3,3',4,6'-PeCB (#109)	10	459000		2030		1	50300		17300	
2,3,3',4',6'-PeCB (#110)	10	8180000	J	35500		1	1120000	J	281000	
2,3,3',5,5'-PeCB (#111)	10					1				
2,3,3',5,6'-PeCB (#112)	10					1	9170			
2,3,3',5',6'-PeCB (#113)	10	7630000	J	34700		1	1010000	J	223000	
2,3,4,4',5'-PeCB (#114)	10	172000		728		1	6350		4290	
2,3,4,4',6'-PeCB (#115)	10	8180000	J	35500		1	1120000	J	281000	
2,3,4,5,6'-PeCB (#116)	10	1150000		5790		1	155000		50500	
2,3,4',5,6'-PeCB (#117)	10	1150000		5790		1	155000		50500	
2,3',4,4',5'-PeCB (#118)	10	5540000	J	26500		1	554000	J	156000	
2,3',4,4',6'-PeCB (#119)	10	5740000	J	27300		1	776000	J	211000	
2,3',4,5,5'-PeCB (#120)	10	3380				1				
2,3',4,5',6'-PeCB (#121)	10					1				
2,3,3',4',5'-PeCB (#122)	10	101000		371		1	11400		3290	
2,3',4,4',5'-PeCB (#123)	10	84900		307		1	9460			
2,3',4',5,5'-PeCB (#124)	10	303000		1190		1			9100	
2,3',4',5',6'-PeCB (#125)	10	5740000	J	27300		1	776000	J	211000	
3,3',4,4',5'-PeCB (#126)	10					1				
3,3',4,5,5'-PeCB (#127)	10					1				
2,2',3,3',4,4'-HxCB (#128)	10	1080000		5030		1	161000		26700	

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#128,#166 coelute, #129,#138,#163 coelute, #135 & #151 coelute, #139 & #140 coelute, #147& #149 coelute, #153 & #168 coelute, #156, #157 coelute

TABLE F-1
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A COMPARED BY INDIVIDUAL BIPHENYL

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6			C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3			MC07-SD-09		MC07-SD-10	
Matrix :		Aqueous		Aqueous			Soil		Soil	
Units :		pg/L		pg/L			pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007			3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45			14:10		14:20	
Dilution Factor :		50		1.17			47.6		48.1	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	QL	Result	Flag	Result	Flag
2,2',3,3',4,5-HxCB (#129)	10	8840000	J	37000		1	1280000	J	173000	
2,2',3,3',4,5'-HxCB (#130)	10	420000		2110		1	66300		10500	
2,2',3,3',4,6-HxCB (#131)	10	96500		517		1	15200			
2,2',3,3',4,6'-HxCB (#132)	10	2750000	J	12400		1	395000		58500	
2,2',3,3',5,5'-HxCB (#133)	10	92800		488		1	15300			
2,2',3,3',5,6-HxCB (#134)	10	438000		1740		1			5760	J
2,2',3,3',5,6'-HxCB (#135)	10	4280000	J	19000		1	666000	J	72700	
2,2',3,3',6,6'-HxCB (#136)	10	1450000		5740		1	218000		26700	
2,2',3,4,4',5-HxCB (#137)	10	490000		2660		1	82400		14700	
2,2',3,4,4',5'-HxCB (#138)	10	8840000	J	37000		1	1280000	J	173000	
2,2',3,4,4',6-HxCB (#139)	10	112000		649		1	16600		2360	
2,2',3,4,4',6'-HxCB (#140)	10	112000		649		1	16600		2360	
2,2',3,4,5,5'-HxCB (#141)	10	1590000		6810		1	183000		19900	J
2,2',3,4,5,6-HxCB (#142)	10					1				
2,2',3,4,5,6'-HxCB (#143)	10					1	42400			
2,2',3,4,5',6-HxCB (#144)	10	576000				1	88400		10200	
2,2',3,4,6,6'-HxCB (#145)	10					1				
2,2',3,4',5,5'-HxCB (#146)	10	1020000		4860		1	167000		21500	
2,2',3,4',5,6-HxCB (#147)	10	9840000	J	38500		1	1320000	J	157000	
2,2',3,4',5,6'-HxCB (#148)	10					1	594			
2,2',3,4',5',6-HxCB (#149)	10	9840000	J	38500		1	1320000	J	157000	
2,2',3,4',6,6'-HxCB (#150)	10	4440				1	965	J		
2,2',3,5,5',6-HxCB (#151)	10	4280000	J	19000		1	666000	J	72700	
2,2',3,5,6,6'-HxCB (#152)	10	6420				1	1050			
2,2',4,4',5,5'-HxCB (#153)	10	9840000	J	38900		1	1460000	J	165000	
2,2',4,4',5,6'-HxCB (#154)	10	26100		145		1				
2,2',4,4',6,6'-HxCB (#155)	10					1				
2,3,3',4,4',5-HxCB (#156)	10	741000		3750		1	88900		16000	
2,3,3',4,4',5'-HxCB (#157)	10	741000		3750		1	88900		16000	
2,3,3',4,4',6-HxCB (#158)	10	837000		3580		1	119000		17000	
2,3,3',4,5,5'-HxCB (#159)	10	209000				1	25100		2690	
2,3,3',4,5,6-HxCB (#160)	10					1				

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#128,#166 coelute, #129,#138,#163 coelute, #135 & #151 coelute, #139 & #140 coelute, #147& #149 coelute, #153 & #168 coelute, #156, #157 coelute

TABLE F-1
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A COMPARED BY INDIVIDUAL BIPHENYL

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6			C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3			MC07-SD-09		MC07-SD-10	
Matrix :		Aqueous		Aqueous			Soil		Soil	
Units :		pg/L		pg/L			pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007			3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45			14:10		14:20	
Dilution Factor :		50		1.17			47.6		48.1	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	QL	Result	Flag	Result	Flag
2,3,3',4,5',6-HxCB (#161)	10					1			19000	
2,3,3',4',5,5'-HxCB (#162)	10	135000		541		1	5830			
2,3,3',4',5,6-HxCB (#163)	10	8840000	J	37000		1	1280000	J	173000	
2,3,3',4',5',6-HxCB (#164)	10	385000		1480		1	54200		6320	
2,3,3',5,5',6-HxCB (#165)	10					1				
2,3,4,4',5,6-HxCB (#166)	10	1080000		5030		1	161000		26700	
2,3',4,4',5,5'-HxCB (#167)	10	204000		1070		1	38000		5330	
2,3',4,4',5',6-HxCB (#168)	10	9840000	J	38900		1	1460000	J	165000	
3,3',4,4',5,5'-HxCB (#169)	10			169		1				
2,2',3,3',4,4',5-HpCB (#170)	10	3140000	J	10600		1	528000	J	55800	
2,2',3,3',4,4',6-HpCB (#171)	10	1050000		3710		1	161000		18200	
2,2',3,3',4,5,5'-HpCB (#172)	10	632000				1	118000		11400	
2,2,3,3',4,5,6-HpCB (#173)	10	1050000		3710		1	161000		18200	
2,2',3,3',4,5,6'-HpCB (#174)	10	5010000	J	19800		1	726000	J	48400	
2,2',3,3',4,5',6-HpCB (#175)	10	194000				1	29400		1810	
2,2',3,3',4,6,6'-HpCB (#176)	10	751000		2670		1	112000		12300	
2,2',3,3',4,5',6'-HpCB (#177)	10	2790000	J	9640		1	438000		45900	
2,2',3,3',5,5',6-HpCB (#178)	10	1150000		4180		1	186000		23800	
2,2',3,3',5,6,6'-HpCB (#179)	10	3020000	J	10900		1	442000			
2,2',3,4,4',5,5'-HpCB (#180)	10	10900000	J	37100		1	1800000	J	212000	
2,2',3,4,4',5,6-HpCB (#181)	10					1				
2,2',3,4,4',5,6'-HpCB (#182)	10					1				
2,2',3,4,4',5',6-HpCB (#183)	10	4470000	J	13900		1	792000	J	116000	
2,2',3,4,4',6,6'-HpCB (#184)	10					1				
2,2',3,4,5,5',6-HpCB (#185)	10	4470000	J	13900		1	792000	J	116000	
2,2',3,4,5,6,6'-HpCB (#186)	10					1				
2,2',3,4',5,5',6-HpCB (#187)	10	7480000	J	25500		1	1150000	J	175000	
2,2',3,4',5,6,6'-HpCB (#188)	10					1				
2,3,3',4,4',5,5'-HpCB (#189)	10	56700		256		1	12200		981	
2,3,3',4,4',5,6-HpCB (#190)	10	797000		2730		1	137000		16500	
2,3,3',4,4',5',6-HpCB (#191)	10			355		1	17300			
2,3,3',4,5,5',6-HpCB (#192)	10					1				
2,3,3',4',5,5',6-HpCB (#193)	10	10900000	J	37100		1	1800000	J	212000	

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#171 & #173 coelute, # 180 & #193 coelute, #183 & #185 coelute, #197 & #200 coelute, #198 & # 199 coelute

TABLE F-1
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A COMPARED BY INDIVIDUAL BIPHENYL

Case #: R32688

SDG : C01F5

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6			C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3			MC07-SD-09		MC07-SD-10	
Matrix :		Aqueous		Aqueous			Soil		Soil	
Units :		pg/L		pg/L			pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007			3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45			14:10		14:20	
Dilution Factor :		50		1.17			47.6		48.1	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	QL	Result	Flag	Result	Flag
2,2',3,3',4,4',5,5'-OcCB (#194)	10	3000000	J	12900		1	544000	J	82800	
2,2',3,3',4,4',5,6'-OcCB (#195)	10	1190000		4800		1	216000		20800	
2,2',3,3',4,4',5,6'-OcCB (#196)	10	2080000	J	8790		1	377000		70800	
2,2',3,3',4,4',6,6'-OcCB (#197)	10	692000		3270		1	111000		16600	
2,2',3,3',4,5,5',6'-OcCB (#198)	10	4070000	J	19300		1	726000	J	139000	
2,2',3,3',4,5,5',6'-OcCB (#199)	10	4070000	J	19300		1	726000	J	139000	
2,2',3,3',4,5,6,6'-OcCB (#200)	10	692000		3270		1	111000		16600	
2,2',3,3',4,5,6,6'-OcCB (#201)	10	569000		2680		1	94000		17900	
2,2',3,3',5,5',6,6'-OcCB (#202)	10	746000		3370		1	133000		36100	
2,2',3,4,4',5,5',6'-OcCB (#203)	10	1700000		10100		1	348000		64600	
2,2',3,4,4',5,6,6'-OcCB (#204)	10					1				
2,3,3',4,4',5,5',6'-OcCB (#205)	10	117000		545		1	21200		2430	
2,2',3,3',4,4',5,5',6-NoCB (#206)	10	742000		8080		1	173000		76800	
2,2',3,3',4,4',5,6,6'-NoCB (#207)	10	144000		971		1	28800		5080	
2,2',3,3',4,5,5',6,6'-NoCB (#208)	10	168000		1820		1	39500		8850	
2,2',3,3',4,4',5,5',6,6'-DeCB (#209)	10	48200		1290	J	1	19700		16600	

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#197 & #200 coelute, #198 & #199 coelute

TABLE F-2
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A CONGENERS COMPARED BY ASCENDING CONCENTRATION

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :	QL	C01F5 MC07-GW-114 Result Flag pg/L Aqueous 3/13/2007 16:30 50	C01F6 MC07-GW-C3 Result Flag pg/L Aqueous 3/14/2007 10:45 1.17	QL	C01F7 MC07-SD-09 Result Flag pg/g Soil 3/06/2007 14:10 47.6	C01F8 MC07-SD-10 Result Flag pg/g Soil 3/06/2007 14:20 48.1
2,3,3'-TrCB (#20)	10	57000000 J	18200 J	1	182000	119000
2,3,4,5-TeCB (#61)	10	15500000 J	43100	1	625000 J	425000
2,3',4',5'-TeCB (#70)	10	15500000 J	43100	1	625000	425000
2,3',4',5'-TeCB (#76)	10	15500000 J	43100	1	625000	425000
2,4,4',5-TeCB (#74)	10	15500000 J	43100	1	625000	425000
2,2',5,5'-TeCB (#52)	10	11700000 J	38900	1	1040000 J	417000
2,2',3,4,4',5,5'-HpCB (#180)	10	10900000 J	37100	1	1800000 J	212000
2,3,3',4',5,5',6-HpCB (#193)	10	10900000 J	37100	1	1800000 J	212000
2,2',3,4',5,6-HxCB (#147)	10	9840000 J	38500	1	1320000 J	157000
2,2',3,4',5',6-HxCB (#149)	10	9840000 J	38500	1	1320000 J	157000
2,2',4,4',5,5'-HxCB (#153)	10	9840000 J	38900	1	1460000 J	165000
2,3',4,4',5',6-HxCB (#168)	10	9840000 J	38900	1	1460000 J	165000
2,2',3,3',4,5-HxCB (#129)	10	8840000 J	37000	1	1280000 J	173000
2,2',3,4,4',5'-HxCB (#138)	10	8840000 J	37000	1	1280000 J	173000
2,3,3',4',5,6-HxCB (#163)	10	8840000 J	37000	1	1280000 J	173000
2,2',3,5'-TeCB (#44)	10	8310000 J	30300	1	742000 J	368000
2,2',4,4'-TeCB (#47)	10	8310000 J	30300	1	742000 J	368000
2,3,5,6-TeCB (#65)	10	8310000 J	30300	1	742000 J	368000
2,3,3',4',6-PeCB (#110)	10	8180000 J	35500	1	1120000 J	281000
2,3,4,4',6-PeCB (#115)	10	8180000 J	35500	1	1120000 J	281000
2,2',3,4',5-PeCB (#90)	10	7630000 J	34700	1	1010000 J	223000
2,2',4,5,5'-PeCB (#101)	10	7630000 J	34700	1	1010000 J	223000
2,3,3',5',6-PeCB (#113)	10	7630000 J	34700	1	1010000 J	223000
2,3',4,4'-TeCB (#66)	10	7530000 J	20800	1	427000	267000
2,2',3,4',5,5',6-HpCB (#187)	10	7480000 J	25500	1	1150000 J	175000
2,2',3,5',6-PeCB (#95)	10	6680000 J	30400	1	891000 J	213000
2,4',5-TeCB (#31)	10	6360000 J	19400 J	1	158000	125000
2,2',3,4,5-PeCB (#86)	10	5740000 J	27300	1	776000 J	211000
2,2',3,4,5'-PeCB (#87)	10	5740000 J	27300	1	776000 J	211000
2,2',3,4',5'-PeCB (#97)	10	5740000 J	27300	1	776000 J	211000
2,3,3',4,5'-PeCB (#108)	10	5740000 J	27300	1	776000 J	211000
2,3',4,4',6-PeCB (#119)	10	5740000 J	27300	1	776000 J	211000
2,3',4',5',6-PeCB (#125)	10	5740000 J	27300	1	776000 J	211000
2,4,4'-TrCB (#28)	10	5700000 J	18200 J	1	182000	119000
2,3',4,4',5-PeCB (#118)	10	5540000 J	26500	1	554000 J	156000
2,2',5-TeCB (#18)	10	5110000 J	18900 J	1	181000	105000
2,4,6-TeCB (#30)	10	5110000 J	18900 J	1	181000	105000
2,2',3,3',4,5,6'-HpCB (#174)	10	5010000 J	19800	1	726000 J	48400
2,2',4,5'-TeCB (#49)	10	4490000 J	15900	1	394000	192000
2,3',4,6-TeCB (#69)	10	4490000 J	15900	1	394000	192000
2,2',3,4,4',5',6-HpCB (#183)	10	4470000 J	13900	1	792000 J	116000
2,2',3,4,5,5',6-HpCB (#185)	10	4470000 J	13900	1	792000 J	116000
2,2',3,3'-TeCB (#40)	10	4380000 J	11200	1	286000	143000
2,3',4',6-TeCB (#71)	10	4380000 J	11200	1	286000	143000
2,3,3',4'-TeCB (#56)	10	4340000 J	10600	1	164000	117000
2,2',3,3',5,6'-HxCB (#135)	10	4280000 J	19000	1	666000 J	72700

TABLE F-2
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A CONGENERS COMPARED BY ASCENDING CONCENTRATION

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6		C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Units :		pg/L		pg/L		pg/g		pg/g	
Matrix :		Aqueous		Aqueous		Soil		Soil	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45		14:10		14:20	
Dilution Factor :		50		1.17		47.6		48.1	
2,2',3,5,5',6-HxCB (#151)	10	4280000	J	19000		1	666000	J	72700
2,2',3,3',4,5,5',6-OcCB (#198)	10	4070000	J	19300		1	726000	J	139000
2,2',3,3',4,5,5',6'-OcCB (#199)	10	4070000	J	19300		1	726000	J	139000
2,3,4-TrCB (#21)	10	4070000	J	10700	J	1	62100		50900
2,3',4'-TrCB (#33)	10	4070000	J	10700	J	1	62100		50900
2,3,4',6-TeCB (#64)	10	3920000	J	11900		1	237000		141000
2,4'-DiCB (#8)	10	3180000	J	7740	J	1	49500		26500
2,2',4,4',5-PeCB (#99)	10	3150000	J	13900		1	445000		125000
2,2',3,3',4,4',5-HpCB (#170)	10	3140000	J	10600		1	528000	J	55800
2,2',3,3',5,6,6'-HpCB (#179)	10	3020000	J	10900		1	442000		
2,2',3,3',4,4',5,5'-OcCB (#194)	10	3000000	J	12900		1	544000	J	82800
2,3,3',4,4'-PeCB (#105)	10	2960000	J	12000		1	222000		96700
2,2',3,3',4,5',6'-HpCB (#177)	10	2790000	J	9640		1	438000		45900
2,2',3,3',4,6'-HxCB (#132)	10	2750000	J	12400		1	395000		58500
2,3,4,4'-TeCB (#60)	10	2630000	J	3870		1	61700		57500
2,3,4'-TrCB (#22)	10	2450000	J	6550	J	1	50000		36800
2,2',3,3',6-PeCB (#84)	10	2350000	J	10500		1	311000		89000
2,2',3,4'-TeCB (#42)	10	2200000	J	6780		1	181000		85900
2,2',4,5-TeCB (#48)	10	2190000	J	6380		1	93500		63800
2,2',3,3',4,4',5,6'-OcCB (#196)	10	2080000	J	8790		1	377000		70800
2,2',3-TrCB (#16)	10	1940000		7050	J	1	55800		32300
2,2',3,6-TeCB (#45)	10	1740000		5580		1	179000		81500
2,2',4,6'-TeCB (#51)	10	1740000		5580		1	179000		81500
2,2',4'-TrCB (#17)	10	1720000		5980	J	1	64900		37600
2,2',3,4,4',5,5',6-OcCB (#203)	10	1700000		10100		1	348000		64600
3,4,4'-TrCB (#37)	10	1670000		3400		1	39200		27700
2,2',3,4,5,5'-HxCB (#141)	10	1590000		6810		1	183000		19900 J
2,2'-DiCB (#4)	10	1550000		7360	J	1	42700		12900
2,2',3,3',6,6'-HxCB (#136)	10	1450000		5740		1	218000		26700
4,4'-DiCB (#15)	10	1310000		2470		1	33100		20800
2,2',3,3',4-PeCB (#82)	10	1240000		5100		1	161000		55000
2,2',4,6-TeCB (#50)	10	1240000		4090		1	143000		69100
2,2',5,6'-TeCB (#53)	10	1240000		4090		1	143000		69100
2,2',3,3',4,4',5,6-OcCB (#195)	10	1190000		4800		1	216000		20800
2,2',3,3',5,5',6-HpCB (#178)	10	1150000		4180		1	186000		23800
2,2',3,4,4'-PeCB (#85)	10	1150000		5790		1	155000		50500
2,2',3,4,6-PeCB (#88)	10	1150000		4810		1	178000		56800
2,2',3,4',6-PeCB (#91)	10	1150000		4810		1	178000		56800
2,3,4,5,6-PeCB (#116)	10	1150000		5790		1	155000		50500
2,3,4',5,6-PeCB (#117)	10	1150000		5790		1	155000		50500
2,4',6-TrCB (#32)	10	1110000		4840	J	1	71800		36600
2,2',3,3',4,4'-HxCB (#128)	10	1080000		5030		1	161000		26700
2,3,4,4',5,6-HxCB (#166)	10	1080000		5030		1	161000		26700
2,2',3,3',4,4',6-HpCB (#171)	10	1050000		3710		1	161000		18200
2,2,3,3',4,5,6-HpCB (#173)	10	1050000		3710		1	161000		18200
2,2',3,5,5'-PeCB (#92)	10	1030000		6290		1	186000		42800

TABLE F-2
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A CONGENERS COMPARED BY ASCENDING CONCENTRATION

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6		C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Units :		pg/L		pg/L		pg/g		pg/g	
Matrix :		Aqueous		Aqueous		Soil		Soil	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45		14:10		14:20	
Dilution Factor :		50		1.17		47.6		48.1	
2,2',3,4',5,5'-HxCB (#146)	10	1020000		4860		1	167000	21500	
2,3',5-TrCB (#26)	10	1000000		2850	J	1	28100	17600	
2,4,5-TrCB (#29)	10	1000000		2850	J	1	28100	17600	
2,2',3,4'-TeCB (#41)	10	984000		2970		1	47100	39500	
2-MoCB (#1)	10	956000		5070		1	10600	4980	
2,3,3',4,4',6-HxCB (#158)	10	837000		3580		1	119000	17000	
2,3,3',4,4',5,6-HpCB (#190)	10	797000		2730		1	137000	16500	
2,3'-DiCB (#6)	10	789000		2010	J	1	12100	7100	
2,3,3',6-TeCB (#59)	10	753000		2230		1	66700	31300	
2,3,4,6-TeCB (#62)	10	753000		2230		1	66700	31300	
2,4,4',6-TeCB (#75)	10	753000		2230		1	66700	31300	
2,2',3,3',4,6,6'-HpCB (#176)	10	751000		2670		1	112000	12300	
2,2',3,3',5,5',6,6'-OoCB (#202)	10	746000		3370		1	133000	36100	
2,2',3,3',4,4',5,5',6-NoCB (#206)	10	742000		8080		1	173000	76800	
2,3,3',4,4',5-HxCB (#156)	10	741000		3750		1	88900	16000	
2,3,3',4,4',5'-HxCB (#157)	10	741000		3750		1	88900	16000	
2,2',3,3',4,4',6,6'-OoCB (#197)	10	692000		3270		1	111000	16600	
2,2',3,3',4,5,6,6'-OoCB (#200)	10	692000		3270		1	111000	16600	
2,2',3,3',4,5,5'-HpCB (#172)	10	632000				1	118000	11400	
4-MoCB (#3)	10	588000		1050		1	5910	5220	
2,2',3,4,5',6-HxCB (#144)	10	576000				1	88400	10200	
2,2',3,3',4,5',6,6'-OoCB (#201)	10	569000		2680		1	94000	17900	
2,2',3,6'-TeCB (#46)	10	569000		1790		1	50700	24700	
2,2',6-TrCB (#19)	10	559000		1930	J	1	33300	12700	
3,3',4,4'-TeCB (#77)	10	551000		1500		1	27200	18200	
2,2',3,3',5-PeCB (#83)	10	513000		1910		1	37600	14600	
2,2',3,5-TeCB (#43)	10	502000		1540		1	37500	15100	
2,2',3,4,4',5-HxCB (#137)	10	490000		2660		1	82400	14700	
2,3,3',4,6-PeCB (#109)	10	459000		2030		1	50300	17300	
2,2',3,3',5,6-HxCB (#134)	10	438000		1740		1		5760	J
2,2',3,3',4,5'-HxCB (#130)	10	420000		2110		1	66300	10500	
2,3,3',4',5',6-HxCB (#164)	10	385000		1480		1	54200	6320	
2,3,4',5-TeCB (#63)	10	380000		1070		1	11500	10000	
2,2',3,4',6'-PeCB (#98)	10	330000		1340		1	49700	17700	
2,2',4,5,6'-PeCB (#102)	10	330000		1340		1	49700	17700	
2,3',4-TrCB (#25)	10	330000		1010	J	1	11400	6230	
2,3',6-TrCB (#27)	10	306000		987	J	1	18100	7450	
2,3,3',4',5-PeCB (#107)	10	303000		1190		1		9100	
2,3',4',5,5'-PeCB (#124)	10	303000		1190		1		9100	
2,3-DiCB (#5)	10	297000		1030	J	1	4820	3060	J
2,5-DiCB (#9)	10	296000		820	J	1	5370	3460	
3,4-DiCB (#12)	10	240000		404	J	1	3420	3140	
3,4'-DiCB (#13)	10	240000		404	J	1	3420	3140	
3,3',4,5'-TeCB (#79)	10	235000				1	27200		
2,3',4,5-TeCB (#67)	10	211000		491		1	7960	5400	
3-MoCB (#2)	10	211000		309		1	1380	1080	

TABLE F-2
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A CONGENERS COMPARED BY ASCENDING CONCENTRATION

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6		C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Units :		pg/L		pg/L		pg/g		pg/g	
Matrix :		Aqueous		Aqueous		Soil		Soil	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45		14:10		14:20	
Dilution Factor :		50		1.17		47.6		48.1	
2,3,3',4,5,5'-HxCB (#159)	10	209000				25100		2690	
2,3',4,4',5,5'-HxCB (#167)	10	204000		1070		38000		5330	
2,2',3,3',4,5',6-HpCB (#175)	10	194000				29400		1810	
2,2',3,4,6'-PeCB (#89)	10	186000		617		23300		9990	
2,4-DiCB (#7)	10	176000		428 J		2560		2080	
2,3,4,4',5-PeCB (#114)	10	172000		728		6350		4290	
2,2',3,3',4,5,5',6,6'-NoCB (#208)	10	168000		1820		39500		8850	
2,3,3',4-TeCB (#55)	10	156000						5930	
2,2',3,3',4,4',5,6,6'-NoCB (#207)	10	144000		971		28800		5080	
2,3,3',4,5,5'-HxCB (#162)	10	135000		541		5830			
2,3,3',4,4',5,5',6-OcCB (#205)	10	117000		545		21200		2430	
2,2',3,4,4',6-HxCB (#139)	10	112000		649		16600		2360	
2,2',3,4,4',6'-HxCB (#140)	10	112000		649		16600		2360	
2,3,6-TrCB (#24)	10	111000		254 J		3050		1050	
2,2',3,5,6-PeCB (#93)	10	105000		1030		26500		7460	
2,2',4,4',6-PeCB (#100)	10	105000		6290		26500		7460	
2,3,3',4,5'-PeCB (#122)	10	101000		371		11400		3290	
2,2',3,3',4,6-HxCB (#131)	10	96500		517		15200			
2,2',3,3',5,5'-HxCB (#133)	10	92800		488		15300			
2,2',3,6,6'-PeCB (#96)	10	89700		387		13400		5510	
2,3',4,4',5'-PeCB (#123)	10	84900		307		9460			
2,6-DiCB (#10)	10	61300		286 J		1960		850	
3,3',4-TrCB (#35)	10	59400			UJ	1140 J			
2,3,3',4,4',5,5'-HpCB (#189)	10	56700		256		12200		981	
2,2',3,5,6'-PeCB (#94)	10	54900		254		8020		3220	
3,4',5-TrCB (#39)	10	52900		187 J				1540	
2,2',3,3',4,4',5,5',6,6'-DeCB (#209)	10	48200		1290 J		19700		16600	
2,2',4,5,6-PeCB (#103)	10	42800		210		6400		2320	
3,3'-DiCB (#11)	10	40700		136 B		1010		805	
2,3',5,5'-TeCB (#72)	10	29200				3260			
2,2',4,4',5,6'-HxCB (#154)	10	26100		145					
2,2',6,6'-TeCB (#54)	10	23300		84.3 J		2270		1050	
2,3',5-TrCB (#34)	10	19000		123 J		399			
2,3',4,5'-TeCB (#68)	10	15200				1700		672 J	
2,2',3,5,6,6'-HxCB (#152)	10	6420				1050			
2,3,5-TrCB (#23)	10	5370			UJ				
2,2',3,4',6,6'-HxCB (#150)	10	4440				965 J			
2,3',4,5,5'-PeCB (#120)	10	3380							
2,2',3,4,4',5,6,6'-OcCB (#204)	10								
2,2',3,4,4',5,6-HpCB (#181)	10								
2,2',3,4,4',5,6'-HpCB (#182)	10								
2,2',3,4,4',6,6'-HpCB (#184)	10								
2,2',3,4,5,6,6'-HpCB (#186)	10								
2,2',3,4',5,6,6'-HpCB (#188)	10								
2,2',3,4,5,6-HxCB (#142)	10								
2,2',3,4,5,6'-HxCB (#143)	10					42400			

TABLE F-2
Polychlorinated Biphenyl Congeners Comparison
Metro Container Site, Trainer, Pennsylvania

DATA SUMMARY FORM: 1668A CONGENERS COMPARED BY ASCENDING CONCENTRATION

Case #: R32688

Site :

Metro Container

Lab. :

SGS

Sample Number :		C01F5		C01F6		C01F7		C01F8	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10	
PCB Chlorination Level (IUPAC#)	QL	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Units :		pg/L		pg/L		pg/g		pg/g	
Matrix :		Aqueous		Aqueous		Soil		Soil	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007	
Time Sampled :		16:30		10:45		14:10		14:20	
Dilution Factor :		50		1.17		47.6		48.1	
2,2',3,4',5,6'-HxCB (#148)	10					1	594		
2,2',3,4,6,6'-HxCB (#145)	10					1			
2,2',4,4',6,6'-HxCB (#155)	10					1			
2,2',4,6,6'-PeCB (#104)	10					1	265 J		
2,3,3',4,4',5',6-HpCB (#191)	10			355		1	17300		
2,3,3',4,5,5',6-HpCB (#192)	10					1			
2,3,3',4,5,6-HxCB (#160)	10					1			
2,3,3',4,5',6-HxCB (#161)	10					1		19000	
2,3,3',4,5-PeCB (#106)	10					1	11700	1960 J	
2,3,3',5,5',6-HxCB (#165)	10					1			
2,3,3',5,5'-PeCB (#111)	10					1			
2,3,3',5,6-PeCB (#112)	10					1	9170		
2,3,3',5-TeCB (#57)	10					1			
2,3,3',5'-TeCB (#58)	10					1		777	
2,3',4,5',6-PeCB (#121)	10					1			
2,3',5',6-TeCB (#73)	10					1		3170	
3,3',4,4',5,5'-HxCB (#169)	10			169		1			
3,3',4,4',5-PeCB (#126)	10					1			
3,3',4,5,5'-PeCB (#127)	10					1			
3,3',4,5-TeCB (#78)	10					1			
3,3',5,5'-TeCB (#80)	10					1			
3,3',5-TrCB (#36)	10				UJ	1			
3,4,4',5-TeCB (#81)	10					1			
3,4,5-TrCB (#38)	10				UJ	1			
3,5-DiCB (#14)	10				UJ	1			

QL = Quantitation Limit

To calculate sample quantitation limits: (QL * Dilution Factor)

#12 & #13 coelute, #18 & #30 coelute, #26 & #29 coelute, #20 & #28 coelute, #21 & #33 coelute
 #40 & #71 coelute, #44, #47, #65 coelute, #45 & #51 coelute, #50 & #53 coelute, #49 & #69 coelute,
 #59, #62, #75 coelute, #61, #70, #74, #76 coelute
 #85, #116, #117 coelute, #86, #87, #97, #108, #119, #125 coelute, #88 & #91 coelute, #90, #101, #113 coelute,
 #93 & #100 coelute, #98 & #102 coelute, #107, #124 coelute, #110, #115 coelute
 #128, #166 coelute, #129, #138, #163 coelute, #135 & #151 coelute, #139 & #140 coelute, #147 & #149 coelute,
 #153 & #168 coelute, #156, #157 coelute
 #128, #166 coelute, #129, #138, #163 coelute, #135 & #151 coelute, #139 & #140 coelute, #147 & #149 coelute,
 #153 & #168 coelute, #156, #157 coelute
 #171 & #173 coelute, #180 & #193 coelute, #183 & #185 coelute, #197 & #200 coelute, #198 & #199 coelute
 #197 & #200 coelute, #198 & #199 coelute

APPENDIX E

Delaware River Sediment PCB Congener Comparison

**PCB Congeners Comparison
Metro Container Site
Trainer, Pennsylvania
April 10, 2009**

Tetra Tech compared the concentrations of PCB congeners reported in sediment samples collected from the Delaware River during the 2008 assessment to the PCB congeners detected in 2007 from groundwater samples collected from monitoring wells located on the Metro Container site and two off-site sediment samples collected from Stoney Creek adjacent to the site. The samples collected in 2007 and 2008 were analyzed by different laboratories yielding slightly different coelutions. These coelutions were accounted for when comparing the congeners. For the analysis of the on-site groundwater samples the following congeners coelute: 12 and 13; 18 and 30; 26 and 29; 20 and 28; 21 and 33; 40 and 71; 44, 47, and 65; 45 and 51; 50 and 53; 49 and 69; 59, 62, and 75; 61, 70, 74, and 76; 85, 116, and 117; 86, 87, 97, 108, 119, and 125; 88 and 91; 90, 101, and 113; 93 and 100; 98 and 102; 107 and 124; 110 and 115; 128 and 166; 129, 138, and 163; 135 and 151; 139 and 140; 147 and 149; 153 and 168; 156 and 157; 171 and 173; 180 and 193; 183 and 185; 197 and 200; 198 and 199. For analysis of the sediment samples the following congeners coelute: 12 and 13; 18 and 30; 20 and 28; 21 and 33; 26 and 29; 40, 41, and 71; 44, 47, and 65; 45 and 51; 50 and 53; 49 and 69; 59, 62, and 75; 61, 70, 74, and 76; 85, 116, and 117; 86, 87, 97, 108, 119, and 125; 88 and 91; 90, 101, and 113; 93, 95, 98, 100, and 102; 107 and 124; 110 and 115; 128 and 166; 129, 138, 160, and 163; 134 and 143; 135 and 151; 139 and 140; 147 and 149; 153 and 168; 156 and 157; 171 and 173; 180 and 193; 183 and 185; 197 and 200; 198 and 199. The differences between both sets of analysis are with the following coeluting congeners: 40, 41, and 71; 83 and 99; 93, 95, 98, 100, and 102; 129, 138, 169, and 163, 134 and 143; 135, 151, and 154.

Table 1(attached) presents the PCB congener data from highest concentrations detected to lowest. Following Table 1 is Table 2 which compares the data by the International Union of Pure and Applied Chemicals (IUPAC) nomenclature for each PCB chlorination level from lowest IUPAC number to highest. Review of these tables indicates a strong correlation for the concentrations and chlorination level for the first 93 congeners for the sediment samples collected in 2008 from the Delaware River to the congeners detected in on-site groundwater and

Stoney Creek sediment samples collected in 2007. The only significant difference noted was for PCB congeners 206, 208, and 209 which were found at significantly higher relative concentrations in the 2008 Delaware River sediment samples compared to the 2007 on-site groundwater and Stoney Creek sediment samples. The two sediment samples collected farthest from the discharge point of Stoney Creek into the Delaware River, MC-SD-01A and MC-SD-01B, had the greatest difference in relative responses for these congeners.

Based on this comparison, the sediment samples MC-SD-02A, MC-SD-02B, MC-SD-03A, MC-SD-03B, MC-SD-04A, MC-SD-04B, MC-SD-05A, MC-SD-05B, MC-SD-06, MC-SD-07A, MC-SD-08A, MC-SD-08B, MC-SD-09, and MC-SD-010 can be attributed to the Metro Container site with some environmental differences probably due to degradation of the congeners. Pronounced differences in the relative concentrations of congeners 206, 208, and 209 found in samples MC-SD-01A and MC-SD-01B indicate contribution of contamination likely from another source.

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06
Field QC:	Aqueous	Aqueous	Soil	Soil											
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008
Time Sampled :	16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57
Dilution Factor :	50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,3,3'-TrCB (#20)	4	6E+07	J	18200	J	182000		119000		1290		8420		1440	
2,3,4,5-TeCB (#61)	8	2E+07	J	43100		625000	J	425000		2900		18400		3840	
2,3,4',5'-TeCB (#70)	8	2E+07	J	43100		625000		425000		2900		18400		3840	
2,4,4',5'-TeCB (#74)	8	2E+07	J	43100		625000		425000		2900		18400		3840	
2,3',4',5'-TeCB (#76)	8	2E+07	J	43100		625000		425000		2900		18400		3840	
2,2',5,5'-TeCB (#52)	2	1E+07	J	38900		1E+06	J	417000		2020		13500		2830	
2,2',3,4,4',5,5'-HpCB (#180)	4	1E+07	J	37100		2E+06	J	212000		3980		21900		5470	
2,3,3',4',5,5',6-HpCB (#193)	4	1E+07	J	37100		2E+06	J	212000		3980		21900		5470	
2,2',3,4',5,6-HxCB (#147)	4	1E+07	J	38500		1E+06	J	157000		4230		12000		5190	
2,2',3,4',5',6-HxCB (#149)	4	1E+07	J	38500		1E+06	J	157000		4230		12000		5190	
2,2',4,4',5,5'-HxCB (#153)	4	1E+07	J	38900		1E+06	J	165000		4580		12500		5570	
2,3,4,4',5',6-HxCB (#168)	4	1E+07	J	38900		1E+06	J	165000		4580		12500		5570	
2,2',3,3',4,5-HxCB (#129)	8	9E+06	J	37000		1E+06	J	173000		5080		12800		6200	
2,2',3,4,4',5'-HxCB (#138)	8	9E+06	J	37000		1E+06	J	173000		5080		12800		6200	
2,3,3',4',5,6-HxCB (#163)	8	9E+06	J	37000		1E+06	J	173000		5080		12800		6200	
2,2',3,5'-TeCB (#44)	6	8E+06	J	30300		742000	J	368000		1810		11500		2400	
2,2',4,4'-TeCB (#47)	6	8E+06	J	30300		742000	J	368000		1810		11500		2400	
2,3,5,6-TeCB (#65)	6	8E+06	J	30300		742000	J	368000		1810		11500		2400	
2,3,3',4',6-PeCB (#110)	4	8E+06	J	35500		1E+06	J	281000		3890		13900		4720	
2,3,4,4',6-PeCB (#115)	4	8E+06	J	35500		1E+06	J	281000		3890		13900		4720	
2,2',3,4',5-PeCB (#90)	6	8E+06	J	34700		1E+06	J	223000		3260		12800		4430	
2,2',4,5,5'-PeCB (#101)	6	8E+06	J	34700		1E+06	J	223000		3260		12800		4430	
2,3,3',5',6-PeCB (#113)	6	8E+06	J	34700		1E+06	J	223000		3260		12800		4430	
2,3',4,4'-TeCB (#66)	2	8E+06	J	20800		427000		267000		1800		9880		2150	
2,2',3,4',5,5',6-HpCB (#187)	2	7E+06	J	25500		1E+06	J	175000		2920		48500		3220	
2,2',3,5',6-PeCB (#95)	#	7E+06	J	30400		891000	J	213000		2740		11300		3670	
2,4',5-TeCB (#31)	2	6E+06	J	19400	J	158000		125000		937		6980		1060	
2,2',3,4,5-PeCB (#86)	#	6E+06	J	27300		776000	J	211000		2040		8620		2690	
2,2',3,4,5'-PeCB (#87)	#	6E+06	J	27300		776000	J	211000		2040		8620		2690	
2,2',3,4',5'-PeCB (#97)	#	6E+06	J	27300		776000	J	211000		2040		8620		2690	
2,3,3',4,5'-PeCB (#108)	#	6E+06	J	27300		776000	J	211000		2040		8620		2690	
2,3',4,4',6-PeCB (#119)	#	6E+06	J	27300		776000	J	211000		2040		8620		2690	
2,3',4',5',6-PeCB (#125)	#	6E+06	J	27300		776000	J	211000		2040		8620		2690	
2,4,4'-TrCB (#28)	4	6E+06	J	18200	J	182000		119000		1290		8420		1440	
2,3',4,4',5-PeCB (#118)	2	6E+06	J	26500		554000	J	156000		2840		10500		3640	
2,2',5-TeCB (#18)	4	5E+06	J	18900	J	181000		105000		403		4720		529	
2,4,6-TeCB (#30)	4	5E+06	J	18900	J	181000		105000		403		4720		529	
2,2',3,3',4,5,6'-HpCB (#174)	2	5E+06	J	19800		726000	J	484000		1730		10300		2160	
2,2',4,5'-TeCB (#49)	4	4E+06	J	15900		394000		192000		1210		7330		1650	
2,3',4,6-TeCB (#69)	4	4E+06	J	15900		394000		192000		1210		7330		1650	
2,2',3,4,4',5',6-HpCB (#183)	4	4E+06	J	13900		792000	J	116000		1400		14100		1670	
2,2',3,4,5,5',6-HpCB (#185)	4	4E+06	J	13900		792000	J	116000		1400		14100		1670	
2,2',3,3'-TeCB (#40) *	6	4E+06	J	11200		286000		143000		1010		6240		1270	
2,3',4',6-TeCB (#71) *	6	4E+06	J	11200		286000		143000		1010		6240		1270	
2,3,3',4'-TeCB (#56)	2	4E+06	J	10600		164000		117000		866		5200		1030	
2,2',3,3',5',6-HxCB (#135)	6	4E+06	J	19000		666000	J	727000		1940		5860		2250	
2,2',3,5,5',6-HxCB (#151)	6	4E+06	J	19000		666000	J	727000		1940		5860		2250	

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06																
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06																
Field QC:	Aqueous	Aqueous	Soil	Soil																											
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil																
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g																
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008																
Time Sampled :	16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57																
Dilution Factor :	50	1.17	47.5	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227																
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag																
2,3,4-TrCB (#21)	4	4E+06	J	10700	J	62100	J	50900	J	364	J	2910	J	434	J	166	J	647	J	31.0	J	1450	J	121	J	3630	J	2270	J	57600+	J
2,3,4'-TrCB (#33)	4	4E+06	J	10700	J	62100	J	50900	J	364	J	2910	J	434	J	166	J	647	J	31.0	J	1450	J	121	J	3630	J	2270	J	57600+	J
2,2',3,3',4,5,5',6-OcCB (#198)	4	4E+06	J	19300	J	726000	J	139000	J	21700	J	1650000+	J	6160	J	888	J	10400	J	476	J	18100	J	1280	J	17800	J	84900+	J	70200	J
2,2',3,3',4,5,5',6'-OcCB (#199)	4	4E+06	J	19300	J	726000	J	139000	J	21700	J	1650000+	J	6160	J	888	J	10400	J	476	J	18100	J	1280	J	17800	J	84900+	J	70200	J
2,3,4',6-TeCB (#64)	2	4E+06	J	11900	J	237000	J	141000	J	785	J	5140	J	1030	J	149	J	1500	J	62.8	J	2820	J	222	J	6630	J	4150	J	60000+	J
2,4'-DiCB (#8)	2	3E+06	J	7740	J	49500	J	26500	J	277	J	1890	J	283	J	182	J	396	J	23.5	J	815	J	58.7	J	1340	J	974	J	34900	J
2,2',4,4',5-PeCB (#99)	4	3E+06	J	13900	J	445000	J	125000	J	2000	J	7020	J	2550	J	311	J	3600	J	145	J	12500	J	563	J	15000	J	10500	J	98300+	J
2,2',3,3',4,4',5-HpCB (#170)	2	3E+06	J	10600	J	528000	J	55800	J	1560	J	4660	J	2060	J	267	J	3160	J	113	J	6750	J	389	J	8510	J	7850	J	48000	J
2,2',3,3',5,6,6'-HpCB (#179)	2	3E+06	J	10900	J	442000	J		J	792	J	5200	J	974	J	134	J	1580	J	53.4	J	2880	J	192	J	3320	J	3960	J	20700	J
2,2',3,3',4,4',5,5'-OcCB (#194)	2	3E+06	J	12900	J	544000	J	82800	J	2480	J	1E+05	J	1770	J	263	J	2420	J	89.9	J	4400	J	335	J	5500	J	8640	J	18300	J
2,3,3',4,4'-PeCB (#105)	2	3E+06	J	12000	J	222000	J	96700	J	1180	J	4520	J	1500	J	236	J	1840	J	84.0	J	4860	J	320	J	11700	J	7460	J	72200+	J
2,2',3,3',4,5,6'-HpCB (#177)	2	3E+06	J	9640	J	438000	J	45900	J	1190	J	4320	J	1310	J	182	J	2070	J	69.3	J	4060	J	256	J	4860	J	5550	J	27900	J
2,2',3,3',4,6'-HxCB (#132)	2	3E+06	J	12400	J	395000	J	58500	J	1640	J	4610	J	1950	J	229	J	2430	J	104	J	8590	J	402	J	12300	J	9010	J	83600	J
2,3,4,4'-TeCB (#60)	2	3E+06	J	3870	J	61700	J	57500	J	331	J	2210	J	450	J	95.1	J	646	J	28.1	J	1460	J	125	J	3950	J	2310	J	33100	J
2,3,4'-TrCB (#22)	2	2E+06	J	6550	J	50000	J	36800	J	313	J	2300	J	354	J	132	J	518	J	24.7	J	1140	J	94.1	J	2540	J	1520	J	39300	J
2,2',3,3',6-PeCB (#84)	2	2E+06	J	10500	J	311000	J	89000	J	824	J	3800	J	1080	J	126	J	1560	J	73.2	J	4260	J	253	J	7500	J	6380	J	60700	J
2,2',3,4'-TeCB (#42)	2	2E+06	J	6780	J	181000	J	85900	J	474	J	3050	J	621	J	92.5	J	911	J	37.0	J	1740	J	136	J	4060	J	2100	J	31500	J
2,2',4,5-TeCB (#48)	2	2E+06	J	6380	J	93500	J	63800	J	237	J	2320	J	335	J	50.5	J	537	J	22.1	J	1020	J	87.9	J	2950	J	1620	J	29800	J
2,2',3,3',4,4',5,6'-OcCB (#196)	2	2E+06	J	8790	J	377000	J	70800	J	3450	J	2E+05	J	1610	J	217	J	2330	J	104	J	5390	J	260	J	4340	J	13600	J	18100	J
2,2',3-TrCB (#16)	2	2E+06	J	7050	J	55800	J	32300	J	151	J	1870	J	188	J	60.2	J	325	J	18.1	J	687	J	60.7	J	1410	J	1030	J	33000	J
2,2',3,6-TeCB (#45)	4	2E+06	J	5580	J	179000	J	81500	J	380	J	2430	J	507	J	69.9	J	734	J	32.3	J	1390	J	115	J	3240	J	1530	J	22900	J
2,2',4,6'-TeCB (#51)	4	2E+06	J	5580	J	179000	J	81500	J	380	J	2430	J	507	J	69.9	J	734	J	32.3	J	1390	J	115	J	3240	J	1530	J	22900	J
2,2',4'-TrCB (#17)	2	2E+06	J	5980	J	64900	J	37600	J	200	J	2030	J	296	J	59.1	J	414	J	20.9	J	793	J	71.5	J	1500	J	1060	J	30400	J
2,2',3,4,4',5,5',6-OcCB (#203)	2	2E+06	J	10100	J	348000	J	84600	J	7410	J	557000+	J	2340	J	371	J	3930	J	168	J	8660	J	494	J	7580	J	27400	J	29000	J
3,4,4'-TrCB (#37)	2	2E+06	J	3400	J	39200	J	27700	J	504	J	2160	J	493	J	172	J	717	J	27.1	J	1520	J	107	J	2410	J	1450	J	26300	J
2,2',3,4,5,5'-HxCB (#141)	2	2E+06	J	6810	J	183000	J	19900	J	858	J	2940	J	1180	J	145	J	1490	J	58.2	J	3620	J	233	J	6180	J	5540	J	44700	J
2,2'-DiCB (#4)	2	2E+06	J	7360	J	42700	J	12900	J	110	J	1190	J	142	J	54.0	J	156	J	14.9	J	286	J	34.7	J	432	J	458	J	13100	J
2,2',3,3',6,6'-HxCB (#136)	2	1E+06	J	5740	J	218000	J	26700	J	638	J	1900	J	748	J	79.2	J	1100	J	41.6	J	3020	J	154	J	3300	J	4520	J	26200	J
4,4'-DiCB (#15)	2	1E+06	J	2470	J	33100	J	20800	J	664	J	2600	J	540	J	222	J	651	J	25.3	J	1210	J	78.7	J	1530	J	856	J	17100	J
2,2',4,6-TeCB (#50)	4	1E+06	J	4090	J	143000	J	69100	J	283	J	1870	J	415	J	52.2	J	583	J	27.1	J	1100	J	92.6	J	2500	J	1400	J	17400	J
2,2',5,6'-TeCB (#53)	4	1E+06	J	4090	J	143000	J	69100	J	283	J	1870	J	415	J	52.2	J	583	J	27.1	J	1100	J	92.6	J	2500	J	1400	J	17400	J
2,2',3,3',4-PeCB (#82)	2	1E+06	J	5100	J	161000	J	55000	J	369	J	1770	J	482	J	69.0	J	691	J	26.6	J	1780	J	111	J	3420	J	2470	J	27600	J
2,2',3,3',4,4',5,6-OcCB (#195)	2	1E+06	J	4800	J	216000	J	20800	J	567	J	14500	J	524	J	92.2	J	767	J	25.9	J	1450	J	99.8	J	1630	J	1830	J	6270	J
2,2',3,3',5,5',6-HpCB (#178)	2	1E+06	J	4180	J	186000	J	23600	J	515	J	10500	J	530	J	80.3	J	845	J	29.0	J	1550	J	99.6	J	1860	J	2250	J	9730	J
2,2',3,4,6-PeCB (#88)	4	1E+06	J	4810	J	178000	J	56800	J	546	J	2060	J	706	J	79.0	J	1030	J	44.5	J	2660	J	166	J	4590	J	2960	J	25800	J
2,2',3,4',6-PeCB (#91)	4	1E+06	J	4810	J	178000	J	56800	J	546	J	2060	J	706	J	79.0	J	1030	J	44.5	J	2660	J	166	J	4590	J	2960	J	25800	J
2,2',3,4,4'-PeCB (#85)	6	1E+06	J	5790	J	155000	J	50500	J	615	J	2570	J	770	J	109	J	1110	J	46.0	J	3040	J	179	J	5550	J	3340	J	37700	J
2,3,4,5,6-PeCB (#116)	6	1E+06	J	5790	J	155000	J	50500	J	615	J	2570	J	770	J	109	J	1110	J	46.0	J	3040	J	179	J	5550	J	3340	J	37700	J
2,3,4',5,6-PeCB (#117)	6	1E+06	J	5790	J	155000	J	50500	J	615	J	2570	J	770	J	109	J	1110	J	46.0	J	3040	J	179	J	5550	J	3340	J	37700	J
2,4',6-TrCB (#32)	2	1E+06	J	4840	J	71800	J	36600	J	241	J	1930	J	336	J	69.6	J	376	J	16.8	J	736	J	69.4	J	1690	J	1010	J	18400	J
2,2',3,3',4,4'-HxCB (#128)	4	1E+06	J	5030	J	161000	J	26700	J	799	J	1660	J	906	J	121	J	1120	J	50.3	J	3790	J	194	J	6480	J	3570	J	42900	J
2,3,4,4',5,6-HxCB (#166)	4	1E+06	J	5030	J	161000	J	26700	J	799	J	1660	J	906	J	121	J	1120	J	50.3	J	3790	J	194	J	6480	J	3570	J	42900	J
2,2',3,3',4,4',6-HpCB (#171)	4	1E+06	J	3710	J	161000	J	18200	J	492	J	2130	J	625	J	80.4	J	990	J	34.7	J	2040	J	123	J	2670	J	2500	J	16900	J
2,2',3,3',4,5,6-HpCB (#173)	4	1E+06	J	3710	J	161000	J	18200	J	492	J	2130	J	625	J	80.4	J	990	J	34.7	J	2040	J	123	J	2670	J	2500	J	16900	J
2,2',3,5,5'-PeCB (#92)	2	1E+06	J	6290	J	186000	J	42800	J	707	J	2490	J	870	J	102	J	1250	J	52.9	J	3740	J	175	J						

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06
Field QC:	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008
Time Sampled :	16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57
Dilution Factor :	50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4,5-TrCB (#29)	4	1E+06		2850 J		28100		17600		224		1530		234	
2,2',3,4'-TeCB (#41) *	6	984000		2970		47100		39500		1010		6240		1270	
2-MoCB (#1)	2	956000		5070		10600		4980		60.5		397		67.8+	
2,3,3',4,4',6-HxCB (#158)	2	837000		3580		119000		17000		461		1690		581	
2,3,3',4,4',5,6-HpCB (#190)	2	797000		2730		137000		16500		360		1130		447	
2,3'-DiCB (#6)	2	789000		2010 J		12100		7100		83.1		605		73.3	
2,3,3',6-TeCB (#59)	6	753000		2230		66700		31300		170		1090		214	
2,3,4,6-TeCB (#62)	6	753000		2230		66700		31300		170		1090		214	
2,4,4',6-TeCB (#75)	6	753000		2230		66700		31300		170		1090		214	
2,2',3,3',4,6,6'-HpCB (#176)	2	751000		2670		112000		12300		228		1170		292	
2,2',3,3',5,5',6,6'-OxCB (#202)	2	746000		3370		133000		36100		6530		546000+		1840	
2,2',3,3',4,4',5,5',6-NoCB (#208)	2	742000		8080		173000		76800		86600+		1300000+		24900+	
2,3,3',4,4',5-HxCB (#156)	4	741000		3750		88900		16000		516		1440		658	
2,3,3',4,4',5'-HxCB (#157)	4	741000		3750		88900		16000		516		1440		658	
2,2',3,3',4,4',6,6'-OxCB (#197)	4	692000		3270		111000		16600		487		17800		302	
2,2',3,3',4,5,6,6'-OxCB (#200)	4	692000		3270		111000		16600		487		17800		302	
2,2',3,3',4,5,5'-HpCB (#172)	2	632000				118000		11400		384		7300		437	
4-MoCB (#3)	2	588000		1050		5910		5220		126		340		113+	
2,2',3,4,5',6-HxCB (#144)	2	576000				88400		10200		230		819		293	
2,2',3,6'-TeCB (#46)	2	569000		1790		50700		24700		99.4		828		148	
2,2',3,3',4,5',6,6'-OxCB (#201)	2	569000		2680		94000		17900		1020		59400		408	
2,2',6-TrCB (#19)	2	559000		1930 J		33300		12700		76.1		571		143	
3,3',4,4'-TeCB (#77)	2	551000		1500		27200		18200		298		1160		282	
2,2',3,3',5-PeCB (#83) **	4	513000		1910		37600		14600		2000		7020		2550	
2,2',3,5-TeCB (#43)	2	502000		1540		37500		15100		60.4		499		85.0	
2,2',3,4,4',5-HxCB (#137)	2	490000		2660		82400		14700		195		576		255	
2,3,3',4,6-PeCB (#109)	2	459000		2030		50300		17300		229		791		305	
2,2',3,3',5,6-HxCB (#134)	4	438000		1740				5760 J		249		859		298	
2,2',3,3',4,5'-HxCB (#130)	2	420000		2110		66300		10500		336		890		379	
2,3,3',4',5',6-HxCB (#164)	2	385000		1480		54200		6320		367		976		440	
2,3,4',5-TeCB (#63)	2	380000		1070		11500		10000		74.3		448		97.7	
2,3,4-TrCB (#25)	2	330000		1010 J		11400		6230		142		1140		145	
2,2',3,4',6'-PeCB (#98)	#	330000		1340		49700		17700		2740		11300		3670	
2,2',4,5,6'-PeCB (#102)	#	330000		1340		49700		17700		2740		11300		3670	
2,3',6-TrCB (#27)	2	306000		987 J		18100		7450		63.8		400		71.6	
2,3,3',4',5-PeCB (#107)	4	303000		1190				9100		106		427		146	
2,3',4',5,5'-PeCB (#124)	4	303000		1190				9100		106		427		146	
2,3-DiCB (#5)	2	297000		1030 J		4820 J		3060		9.73					
2,5-DiCB (#9)	2	296000		820 J		5370		3460		16.5		139		15.1	
3,4-DiCB (#12)	4	240000		404 J		3420		3140		161		468		106	
3,4'-DiCB (#13)	4	240000		404 J		3420		3140		161		468		106	
3,3',4,5'-TeCB (#79)	2	235000				27200				37.8		131		45.7 J	
3-MoCB (#2)	2	211000		309		1380		1080		89.8		110		58.4+	
2,3',4,5-TeCB (#67)	2	211000		491		7960		5400		69.0		570		106	
2,3,3',4,5,5'-HxCB (#159)	2	209000				25100		2690		76.3		412		92.5	
2,3',4,4',5,5'-HxCB (#167)	2	204000		1070		38000		5330		218		614		261	
2,2',3,3',4,5',6-HpCB (#175)	2	194000				29400		1810		99.9		1940		105	

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06
Field QC:	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008
Time Sampled :	16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57
Dilution Factor :	50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,2',3,4,6'-PeCB (#89)	2	186000		617		23300		9990		46.7		279		61.9	
2,4-DiCB (#7)	2	176000		428 J		2560		2080		15.4		127		13.4	
2,3,4,4',5-PeCB (#114)	2	172000		728		6350		4290		67.4		279		90.2	
2,2',3,3',4,5,5',6,6'-NoCB (#208)	2	168000		1820		39500		8850		43200+		5370000+		12900	
2,3,3',4'-TeCB (#55)	2	156000				5930		21.8		267		30.3		34.2	
2,2',3,3',4,4',5,6,6'-NoCB (#207)	2	144000		971		28800		5080		5100		557000+		1590	
2,3,3',4',5,5',6-HxCB (#162)	2	135000		541		5830		24.6		124		27.5		30.8	
2,3,3',4,4',5,5',6-OcCB (#205)	2	117000		545		21200		2430		256		13400		120	
2,2',3,4,4',6-HxCB (#139)	4	112000		649		16600		2360		86.7		296		102	
2,2',3,4,4',6'-HxCB (#140)	4	112000		649		16600		2360		86.7		296		102	
2,3,6-TrCB (#24)	2	111000		254 J		3050		1050						12.5	
2,2',3,5,8-PeCB (#93)	#	105000		1030		26500		7460		2740		11300		3670	
2,2',4,4',6-PeCB (#100)	#	105000		6290		26500		7460		2740		11300		3670	
2,3,3',4',5-PeCB (#122)	2	101000		371		11400		3290		40.7		141		49.8	
2,2',3,3',4,6-HxCB (#131)	2	96500		517		15200				56.6		190		70.6	
2,2',3,3',5,5'-HxCB (#133)	2	92800		488		15300				109		378		107	
2,2',3,6,6'-PeCB (#96)	2	89700		387		13400		5510		27.6		179		38.4	
2,3',4,4',5-PeCB (#123)	2	84900		307		9460				63.5		233		72.7	
2,6-DiCB (#10)	2	61300		286 J		1960		850				105			
3,3',4-TrCB (#35)	2	59400				1140 J				57.6		225		42.8	
2,3,3',4,4',5,5'-HpCB (#189)	2	56700		256		12200		981		76.3		885		83.7	
2,2',3,5,6-PeCB (#94)	2	54900		254		8020		3220		36.9		131		43.8	
3,4',5-TrCB (#39)	2	52900		187 J				1540		13.6				13.8	
2,2',3,3',4,4',5,5',6,6'-DeCB (#2)	2	48200		1290 J		19700		16600		108000+		1790000+		36900+	
2,2',4,5,6-PeCB (#103)	2	42800		210		6400		2320		60.0		155		66.9	
3,3'-DiCB (#11)	2	40700		136 B		1010		805		209		183		136	
2,3',5,5'-TeCB (#72)	2	29200				3260				33.1		125		37.8	
2,2',4,4',5,6'-HxCB (#154)	6	26100		145				1940		5860		2250		259	
2,2',6,6'-TeCB (#54)	2	23300		84.3 J		2270		1050		19.2		23.8			
2,3',5-TrCB (#34)	2	19000		123 J		399						10.1		14.2	
2,3',4,5'-TeCB (#68)	2	15200				1700		672 J		30.0		29.4		38.3	
2,2',3,5,6,6'-HxCB (#152)	2	6420				1050								26.8	
2,3,5-TrCB (#23)	2	5370													
2,2',3,4',6,6'-HxCB (#150)	2	4440				965 J				19.6		16.7		23.8	
2,3',4,5,5'-PeCB (#120)	2	3380								20.9				29.1	
3,3',4,4',5,5'-HxCB (#169)	2			169										167	
2,3,3',4,4',5,5'-HpCB (#191)	2			355		17300		68.7		709		89.0		138	
2,2',4,6,6'-PeCB (#104)	2					265 J								15.2	
2,2',3,4',5,6'-HxCB (#148)	2					594		19.5				18.8		23.9	
2,3,3',5,6-PeCB (#112)	2					9170								47.7	
2,3,3',4,5-PeCB (#106)	2					11700		1960 J							
2,2',3,4,5,6'-HxCB (#143)	4					42400		249		859		298		361	
3,5-DiCB (#14)	2													1290	
3,3',5-TrCB (#36)	2													60.9	
3,4,5-TrCB (#38)	2													1830	
2,3,3',5'-TeCB (#57)	2							13.2		16.4		19.1		33.8	
2,3,3',5'-TeCB (#58)	2							777						56.9	

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-01A		MC-SD-01B		MC-SD-02A		MC-SD-02B		MC-SD-03A		MC-SD-03B		MC-SD-04A		MC-SD-04B		MC-SD-05A		MC-SD-05B		MC-SD-06		
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-01A		MC-SD-01B		MC-SD-02A		MC-SD-02B		MC-SD-03A		MC-SD-03B		MC-SD-04A		MC-SD-04B		MC-SD-05A		MC-SD-05B		MC-SD-06		
Field QC:		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008		
Time Sampled :		16:30		10:45		14:10		14:20		09:07		09:15		09:48		09:54		10:35		10:42		10:58		11:20		11:38		11:47		11:57		
Dilution Factor :		50		1.17		47.6		48.1		4.72/236		52.1/2080		4.81/24.0		11.5		4.76/23.8		5.11		4.81/24.0/38.5		4.81		11.6/46.3		4.67/23.4/234		22.7/227		
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	
2,3',5',6'-TeCB (#73)	2							3170																								
3,3',4,5'-TeCB (#78)	2																							12.4								
3,3',5,5'-TeCB (#80)	2																															
3,4,4',5'-TeCB (#81)	2																															
2,3,3',5,5'-PeCB (#111)	2																															
2,3',4,5',6'-PeCB (#121)	2																															
3,3',4,4',5'-PeCB (#126)	2									20.0																						
3,3',4,5,5'-PeCB (#127)	2																															
2,2',3,4,5,6'-HxCB (#142)	2																															
2,2',3,4,6,6'-HxCB (#145)	2																															
2,2',4,4',6,6'-HxCB (#155)	2																															
2,3,3',4,5,6'-HxCB (#160)	8									5080		12800		6200		785		7680		323		22300		1240		34900		24700		266000+		
2,3,3',4,5',6'-HxCB (#161)	2							19000																								
2,3,3',5,5',6'-HxCB (#165)	2																															
2,2',3,4,4',5,6'-HpCB (#181)	2									18.0		598		16.5				22.2				73.9				101		83.8		702		
2,2',3,4,4',5,6'-HpCB (#182)	2									30.0		1060		16.2				28.7				46.4				68.4		77.8		264		
2,2',3,4,4',6,6'-HpCB (#184)	2									11.9		184						11.9				13.6						15.5				
2,2',3,4,5,6,6'-HpCB (#186)	2											195																				
2,2',3,4',5,6,6'-HpCB (#188)	2									25.4		310		17.7				24.3				29.8				28.8		30.5				
2,3,3',4,5,5',6'-HpCB (#192)	2											115																				
2,2',3,4,4',5,6,6'-OoCB (#204)	2									29.8		1750						22.0				17.1				30.9		81.4		57.8		

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Field QC:		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008	
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10	
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2	
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,3,3'-TrCB (#20)	4	6E+07 J		18200 J	J	182000		119000		13800		2450		356		6920		117000+	
2,3,4,5-TeCB (#61)	8	2E+07 J		43100		625000 J	J	425000		40100+		10500		1620		31700+		309000+	
2,3',4',5-TeCB (#70)	8	2E+07 J		43100		625000		425000		40100+		10500		1620		31700+		309000+	
2,4,4',5-TeCB (#74)	8	2E+07 J		43100		625000		425000		40100+		10500		1620		31700+		309000+	
2,3',4',5'-TeCB (#76)	8	2E+07 J		43100		625000		425000		40100+		10500		1620		31700+		309000+	
2,2',5,5'-TeCB (#52)	2	1E+07 J		38900		1E+06 J	J	417000		24500		8230		1150		22700		248000+	
2,2',3,4,4',5,5'-HpCB (#180)	4	1E+07 J		37100		2E+06 J	J	212000		20000		8720		836		20300		75200+	
2,3,3',4',5,5',6-HpCB (#193)	4	1E+07 J		37100		2E+06 J	J	212000		20000		8720		836		20300		75200+	
2,2',3,4',5,6-HxCB (#147)	4	1E+07 J		38500		1E+06 J	J	157000		23700		12000		1140		27900		162000+	
2,2',3,4',5',6-HxCB (#149)	4	1E+07 J		38500		1E+06 J	J	157000		23700		12000		1140		27900		162000+	
2,2',4,4',5,5'-HxCB (#153)	4	1E+07 J		38900		1E+06 J	J	165000		24600		11400		1180		26900		163000+	
2,3',4',5',6-HxCB (#168)	4	1E+07 J		38900		1E+06 J	J	165000		24600		11400		1180		26900		163000+	
2,2',3,3',4,5-HxCB (#129)	8	9E+06 J		37000		1E+06 J	J	173000		31600		14200		1480		34800		228000+	
2,2',3,4,4',5'-HxCB (#138)	8	9E+06 J		37000		1E+06 J	J	173000		31600		14200		1480		34800		228000+	
2,3,3',4',5,6-HxCB (#163)	8	9E+06 J		37000		1E+06 J	J	173000		31600		14200		1480		34800		228000+	
2,2',3,5'-TeCB (#44)	6	8E+06 J		30300		742000 J		368000		21400		5790		863		16600		177000+	
2,2',4,4'-TeCB (#47)	6	8E+06 J		30300		742000 J		368000		21400		5790		863		16600		177000+	
2,3,5,6-TeCB (#65)	6	8E+06 J		30300		742000 J		368000		21400		5790		863		16600		177000+	
2,3,3',4',6-PeCB (#110)	4	8E+06 J		35500		1E+06 J	J	281000		34200+		14400+		1670		40000+		252000+	
2,3,4,4',6-PeCB (#115)	4	8E+06 J		35500		1E+06 J	J	281000		34200+		14400+		1670		40000+		252000+	
2,2',3,4',5-PeCB (#90)	6	8E+06 J		34700		1E+06 J	J	223000		26700		12600		1440		33300+		237000+	
2,2',4,5,5'-PeCB (#101)	6	8E+06 J		34700		1E+06 J	J	223000		26700		12600		1440		33300+		237000+	
2,3,3',5',6-PeCB (#113)	6	8E+06 J		34700		1E+06 J	J	223000		26700		12600		1440		33300+		237000+	
2,3',4,4'-TeCB (#66)	2	8E+06 J		20800		427000		267000		22700		5440		809		16800		131000+	
2,2',3,4',5,5',6-HpCB (#187)	2	7E+06 J		25500		1E+06 J	J	175000		12000		5460		654		13200		43700	
2,2',3,5',6-PeCB (#95)	#	7E+06 J		30400		891000 J		213000		24100		12300		1290		29500+		204000+	
2,4',5-TeCB (#31)	2	6E+06 J		19400 J	J	158000		125000		12300		2090		315		6120		115000+	
2,2',3,4,5-PeCB (#86)	#	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,2',3,4,5'-PeCB (#87)	#	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,2',3,4',5'-PeCB (#97)	#	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,3,3',4,5'-PeCB (#108)	#	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,3',4,4',6-PeCB (#119)	#	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,3',4',5',6-PeCB (#125)	#	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,4,4'-TrCB (#28)	4	6E+06 J		18200 J	J	182000		119000		13800		2450		356		6920		117000+	
2,3',4,4',5-PeCB (#118)	2	6E+06 J		26500		554000 J		156000		23800+		8590		1000		21600+		217000+	
2,2',5-TeCB (#18)	4	5E+06 J		18900 J	J	181000		105000		6140		1040		194		2600		92100+	
2,4,6-TeCB (#30)	4	5E+06 J		18900 J	J	181000		105000		6140		1040		194		2600		92100+	
2,2',3,3',4,5,6'-HpCB (#174)	2	5E+06 J		19800		726000 J		48400		9360		3940		411		9460		37800	
2,2',4,5'-TeCB (#49)	4	4E+06 J		15900		394000		192000		13200		3620		524		10300		102000+	
2,3',4,6-TeCB (#69)	4	4E+06 J		15900		394000		192000		13200		3620		524		10300		102000+	
2,2',3,4,4',5',6-HpCB (#183)	4	4E+06 J		13900		792000 J		116000		6560		2800		319		6820		25200	
2,2',3,4,5,5',6-HpCB (#185)	4	4E+06 J		13900		792000 J		116000		6560		2800		319		6820		25200	
2,2',3,3'-TeCB (#40) *	6	4E+06 J		11200		286000		143000		12500		3280		519		11100		92200+	
2,3',4',6-TeCB (#71) *	6	4E+06 J		11200		286000		143000		12500		3280		519		11100		92200+	
2,3,3',4'-TeCB (#56)	2	4E+06 J		10600		164000		117000		11300		2920		394		8410		72700+	
2,2',3,3',5,6'-HxCB (#135)	6	4E+06 J		19000		666000 J		72700		9640		5010		462		12200+		57800	
2,2',3,5,5',6-HxCB (#151)	6	4E+06 J		19000		666000 J		72700		9640		5010		462		12200+		57800	

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Field QC:		Aqueous		Aqueous		Soil		Soil											
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008	
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10	
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2	
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,3,4-TrCB (#21)	4	4E+06 J		10700 J		62100		50900		6390		795		128		2000		67600+	
2,3,4'-TrCB (#33)	4	4E+06 J		10700 J		62100		50900		6390		795		128		2000		67600+	
2,2',3,3',4,5,5',6-OcCB (#198)	4	4E+06 J		19300		726000 J		139000		21900		20000		3570+		42900		64000+	
2,2',3,3',4,5,5',6'-OcCB (#199)	4	4E+06 J		19300		726000 J		139000		21900		20000		3570+		42900		64000+	
2,3,4',6-TeCB (#64)	2	4E+06 J		11900		237000		141000		9530		3060		430		9060		73700+	
2,4'-DiCB (#8)	2	3E+06 J		7740 J		49500		26500		2170		306+		55.9		426+		36800	
2,2',4,4',5-PeCB (#99)	4	3E+06 J		13900		445000		125000		16500		6820		800		17600		108000+	
2,2',3,3',4,4',5-HpCB (#170)	2	3E+06 J		10600		528000 J		55800		8510		3520		347		8480		34700	
2,2',3,3',5,6,6'-HpCB (#179)	2	3E+06 J		10900		442000				3760		1760		179		4040		14900	
2,2',3,3',4,4',5,5'-OcCB (#194)	2	3E+06 J		12900		544000 J		82800		6520		3780		500		8870		20900	
2,3,3',4,4'-PeCB (#105)	2	3E+06 J		12000		222000		96700		10900		3880		442		10400		87500+	
2,2',3,3',4,5',6'-HpCB (#177)	2	3E+06 J		9640		438000		45900		5150		2220		242		5420		20300	
2,2',3,3',4,6'-HxCB (#132)	2	3E+06 J		12400		395000		58500		11100		5240		494		12300		78900	
2,3,4,4'-TeCB (#60)	2	3E+06 J		3870		61700		57500		6430		1550		215		4830		39200+	
2,3,4'-TrCB (#22)	2	2E+06 J		6550 J		50000		36800		4560		582		82.9		1540		42900	
2,2',3,3',6-PeCB (#84)	2	2E+06 J		10500		311000		89000		8760		4300		440		10800		70000+	
2,2',3,4'-TeCB (#42)	2	2E+06 J		6780		181000		85900		5760		1600		229		4770		36000	
2,2',4,5-TeCB (#48)	2	2E+06 J		6380		93500		63800		4390		1060		163		3230		31500	
2,2',3,3',4,4',5,6'-OcCB (#195)	2	2E+06 J		8790		377000		70800		5130		4780		634+		8720		15500	
2,2',3-TrCB (#16)	2	2E+06		7050 J		55800		32300		2400		369		62.4		899		38800	
2,2',3,6-TeCB (#45)	4	2E+06		5580		179000		81500		4420		1580		193		4630		26300	
2,2',4,6'-TeCB (#51)	4	2E+06		5580		179000		81500		4420		1580		193		4630		26300	
2,2',4'-TrCB (#17)	2	2E+06		5980 J		84900		37600		2390		423		74.2		1030		32200	
2,2',3,4,4',5,5',6-OcCB (#203)	2	2E+06		10100		348000		64600		9310		8080		1220		15600		27200	
3,4,4'-TrCB (#37)	2	2E+06		3400		39200		27700		4950		850		102		2330		27700	
2,2',3,4,5,5'-HxCB (#141)	2	2E+06		6810		183000		19900 J		6160		2850		287		6860		39700	
2,2'-DiCB (#4)	2	2E+06		7360 J		42700		12900		678		112		29.1		136		13200	
2,2',3,3',6,6'-HxCB (#136)	2	1E+06		5740		218000		26700		3470		2010		190		4840+		24600	
4,4'-DiCB (#15)	2	1E+06		2470		33100		20800		2140		553		60.8		1080		15300	
2,2',4,6-TeCB (#50)	4	1E+06		4090		143000		69100		3400		1350		155		3820		20900	
2,2',5,6'-TeCB (#53)	4	1E+06		4090		143000		69100		3400		1350		155		3820		20900	
2,2',3,3',4-PeCB (#82)	2	1E+06		5100		161000		55000		3700		1880		205		4640+		26600	
2,2',3,3',4,4',5,6-OcCB (#195)	2	1E+06		4800		216000		20800		2100		869		100		2140		7050	
2,2',3,3',5,5',6-HpCB (#178)	2	1E+06		4180		186000		23800		2030		974		115		2270		7410	
2,2',3,4,6-PeCB (#88)	4	1E+06		4810		178000		56800		5270		2320		248		5590		28300	
2,2',3,4',6-PeCB (#91)	4	1E+06		4810		178000		56800		5270		2320		248		5590		28300	
2,2',3,4,4'-PeCB (#85)	6	1E+06		5790		155000		50500		6060		2460		292		6490		38600	
2,3,4,5,6-PeCB (#116)	6	1E+06		5790		155000		50500		6060		2460		292		6490		38600	
2,3,4',5,6-PeCB (#117)	6	1E+06		5790		155000		50500		6060		2460		292		6490		38600	
2,4',6-TrCB (#32)	2	1E+06		4840 J		71800		36600		2520		673		93.4		1700		26500	
2,2',3,3',4,4'-HxCB (#128)	4	1E+06		5030		161000		26700		5110		2290		246		5570		36400	
2,3,4,4',5,6-HxCB (#166)	4	1E+06		5030		161000		26700		5110		2290		246		5570		36400	
2,2',3,3',4,4',6-HpCB (#171)	4	1E+06		3710		161000		18200		2660		1060		110		2610		11200	
2,2,3,3',4,5,6-HpCB (#173)	4	1E+06		3710		161000		18200		2660		1060		110		2610		11200	
2,2',3,5,5'-PeCB (#92)	2	1E+06		6290		186000		42800		5410		2410		267		6180		40800	
2,2',3,4',5,5'-HxCB (#146)	2	1E+06		4860		167000		21500		4230		1950		193		4560		23500	
2,3',5-TrCB (#26)	4	1E+06		2850 J		28100		17600		1900		309		48.5		809		17300	

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-07A	MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-010
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-07A	MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-010
Field QC:	Aqueous	Aqueous	Soil	Soil					
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/19/2008	8/19/2008	8/19/2008	8/19/2009	8/19/2008
Time Sampled :	16:30	10:45	14:10	14:20	10:32	08:34	08:43	09:25	10:10
Dilution Factor :	50	1.17	47.6	48.1	11.6/46.3	4.90/24.5/245	4.76/23.8	4.81/24.0/240	10.3/41.2
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4,5-TrCB (#29)	4	1E+06		2850 J		28100		17600	
2,2',3,4'-TeCB (#41) *	6	984000		2970		47100		39500	
2-MoCB (#1)	2	956000		5070		10600		4980	
2,3,3',4,4',6-HxCB (#158)	2	837000		3580		119000		17000	
2,3,3',4,4',5,6'-HpCB (#190)	2	797000		2730		137000		16500	
2,3'-DiCB (#6)	2	789000		2010 J		12100		7100	
2,3,3',6'-TeCB (#59)	6	753000		2230		66700		31300	
2,3,4,6'-TeCB (#62)	6	753000		2230		66700		31300	
2,4,4',6'-TeCB (#75)	6	753000		2230		66700		31300	
2,2',3,3',4,6,6'-HpCB (#176)	2	751000		2670		112000		12300	
2,2',3,3',5,5',6,6'-OcCB (#202)	2	746000		3370		133000		36100	
2,2',3,3',4,4',5,5',6-NoCB (#206)	2	742000		8080		173000		76800	
2,3,3',4,4',5-HxCB (#156)	4	741000		3750		88900		16000	
2,3,3',4,4',5'-HxCB (#157)	4	741000		3750		88900		16000	
2,2',3,3',4,4',6,6'-OcCB (#197)	4	692000		3270		111000		16600	
2,2',3,3',4,5,6,6'-OcCB (#200)	4	692000		3270		111000		16600	
2,2',3,3',4,5,5'-HpCB (#172)	2	632000				118000		11400	
4-MoCB (#3)	2	588000		1050		5910		5220	
2,2',3,4,5',6-HxCB (#144)	2	576000				88400		10200	
2,2',3,6'-TeCB (#46)	2	569000		1790		50700		24700	
2,2',3,3',4,5',6,6'-OcCB (#201)	2	569000		2680		94000		17900	
2,2',6'-TrCB (#19)	2	559000		1930 J		33300		12700	
3,3',4,4'-TeCB (#77)	2	551000		1500		27200		18200	
2,2',3,3',5-PeCB (#83) **	4	513000		1910		37600		14600	
2,2',3,5'-TeCB (#43)	2	502000		1540		37500		15100	
2,2',3,4,4',5-HxCB (#137)	2	490000		2660		82400		14700	
2,3,3',4,6-PeCB (#109)	2	459000		2030		50300		17300	
2,2',3,3',5,6-HxCB (#134)	4	438000		1740				5760 J	
2,2',3,3',4,5'-HxCB (#130)	2	420000		2110		66300		10500	
2,3,3',4',5',6-HxCB (#164)	2	385000		1480		54200		6320	
2,3,4',5'-TeCB (#63)	2	380000		1070		11500		10000	
2,3',4'-TrCB (#25)	2	330000		1010 J		11400		6230	
2,2',3,4',6'-PeCB (#98)	#	330000		1340		49700		17700	
2,2',4,5,6'-PeCB (#102)	#	330000		1340		49700		17700	
2,3',6'-TrCB (#27)	2	306000		987 J		18100		7450	
2,3,3',4',5-PeCB (#107)	4	303000		1190				9100	
2,3',4',5,5'-PeCB (#124)	4	303000		1190				9100	
2,3-DiCB (#5)	2	297000		1030 J		4820 J		3060	
2,5-DiCB (#9)	2	296000		820 J		5370		3460	
3,4-DiCB (#12)	4	240000		404 J		3420		3140	
3,4'-DiCB (#13)	4	240000		404 J		3420		3140	
3,3',4,5'-TeCB (#79)	2	235000				27200		327	
3-MoCB (#2)	2	211000		309		1380		1080	
2,3',4,5'-TeCB (#67)	2	211000		491		7960		5400	
2,3,3',4,5,5'-HxCB (#159)	2	209000				25100		2690	
2,3',4,4',5,5'-HxCB (#167)	2	204000		1070		38000		5330	
2,2',3,3',4,5',6-HpCB (#175)	2	194000				29400		1810	

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Field QC:		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008	
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10	
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2	
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,2',3,4,6'-PeCB (#89)	2	186000		617		23300		9990		633		287		30.7		798		3040	
2,4-DiCB (#7)	2	176000		428 J		2560		2080		82.3		10.6 J				14.5		1500	
2,3,4,4',5-PeCB (#114)	2	172000		728		6350		4290		725		224		28.6		628		5260	
2,2',3,3',4,5,5',6,6'-NoCB (#208)	2	168000		1820		39500		8850		41800+		47400+		9170		61400++		116000+	
2,3,3',4'-TeCB (#55)	2	156000						5930		402		69.1		9.84		209 J		1960	
2,2',3,3',4,4',5,6,6'-NoCB (#207)	2	144000		971		28800		5080		6620		6290		1180		11700+		15900	
2,3,3',4',5,5'-HxCB (#162)	2	135000		541		5830				131		72.4				165		806	
2,3,3',4,4',5,5',6-OcCB (#205)	2	117000		545		21200		2430		438		281		51.5		649		1270	
2,2',3,4,4',6-HxCB (#139)	4	112000		649		16600		2360		551		253		26.3		656		3850	
2,2',3,4,4',6'-HxCB (#140)	4	112000		649		16600		2360		551		253		26.3		656		3850	
2,3,6-TrCB (#24)	2	111000		254 J		3050		1050		51.2		13.9				30.7		864	
2,2',3,5,6-PeCB (#93)	#	105000		1030		26500		7460		24100		12300		1290		29500+		204000+	
2,2',4,4',6-PeCB (#100)	#	105000		6290		26500		7460		24100		12300		1290		29500+		204000+	
2,3,3',4',5'-PeCB (#122)	2	101000		371		11400		3290		474		170		18.9		484		2670	
2,2',3,3',4,6-HxCB (#131)	2	96500		517		15200				428		213		20.2		533		3500	
2,2',3,3',5,5'-HxCB (#133)	2	92800		488		15300				448		209		21.8		465		2500	
2,2',3,6,6'-PeCB (#96)	2	89700		387		13400		5510		361		149		15.2		368		1630	
2,3',4,4',5'-PeCB (#123)	2	84900		307		9460				695		246		28.8		695		3310	
2,6-DiCB (#10)	2	61300		286 J		1960		850		32.9						12.1		584	
3,3',4'-TrCB (#35)	2	59400			UJ	1140 J				255		66.1				115		2040	
2,3,3',4,4',5,5'-HpCB (#189)	2	56700		256		12200		981		378		162		17.2		385		1630	
2,2',3,5,6'-PeCB (#94)	2	54900		254		8020		3220		282		107		11.8		285		1120	
3,4',5-TrCB (#39)	2	52900		187 J				1540		134		33.9				99.6		855	
2,2',3,3',4,4',5,5',6,6'-DeCB (#2)	2	48200		1290 J		19700		16600		104000+		109000++		24500+		174000++		252000+	
2,2',4,5',6-PeCB (#103)	2	42800		210		6400		2320		255		105		11.2		252		1060	
3,3'-DiCB (#11)	2	40700		136 B		1010		805		212		121		12.2		83.2		623	
2,3',5,5'-TeCB (#72)	2	29200				3260				157		42.8				120		801	
2,2',4,4',5,6'-HxCB (#154)	6	26100		145						9640		5010		462		12200+		57800	
2,2',6,6'-TeCB (#54)	2	23300		84.3 J		2270		1050		71.3		23.3				50.3		315	
2,3',5'-TrCB (#34)	2	19000		123 J		399				41.6						16.8		429	
2,3',4,5'-TeCB (#68)	2	15200				1700		672 J		94.9		29.9				65.7		281	
2,2',3,5,6,6'-HxCB (#152)	2	6420				1050				35.9		15.3				36.6		188	
2,3,5-TrCB (#23)	2	5370			UJ													114	
2,2',3,4',6,6'-HxCB (#150)	2	4440				965 J				48.9		24.3				57.1		183	
2,3',4,5,5'-PeCB (#120)	2	3380								62.0		24.6				50.9		221	
3,3',4,4',5,5'-HxCB (#169)	2			169						27.1		9.97						63.1	
2,3,3',4,4',5,6-HpCB (#191)	2			355		17300				365		155		15.2		346		1440	
2,2',4,6,6'-PeCB (#104)	2					265 J										11.0			
2,2',3,4',5,6'-HxCB (#148)	2					594				36.0		20.5				36.6		110	
2,3,3',5,6-PeCB (#112)	2					9170													
2,3,3',4,5-PeCB (#106)	2					11700		1960 J											
2,2',3,4,5,6'-HxCB (#143)	4					42400				1720		824		77.9		1940		12200	
3,5-DiCB (#14)	2				UJ														
3,3',5-TrCB (#36)	2				UJ														
3,4,5-TrCB (#38)	2				UJ											27.6		80.6	
2,3,3',5'-TeCB (#57)	2									90.2		24.9				72.7		542	
2,3,3',5'-TeCB (#58)	2							777		81.6								311	

TABLE 1
PCB Congener Comparison by Concentration

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Field QC:		Aqueous		Aqueous		Soil		Soil											
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008	
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10	
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2	
PCB Chlorination Level	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,3',5',6-TeCB (#73)	2							3170											
3,3',4,5-TeCB (#78)	2																		
3,3',5,5'-TeCB (#80)	2																		
3,4,4',5-TeCB (#81)	2									123		25.0				84.4	J	534	
2,3,3',5,5'-PeCB (#111)	2															+			
2,3',4,5',6-PeCB (#121)	2																		
3,3',4,4',5-PeCB (#126)	2									122		59.3				175		783	
3,3',4,5,5'-PeCB (#127)	2									34.0		18.2				39.2			
2,2',3,4,5,6-HxCB (#142)	2															9.69			
2,2',3,4,6,6'-HxCB (#145)	2															17.5		96.1	
2,2',4,4',6,6'-HxCB (#155)	2															11.1			
2,3,3',4,5,6-HxCB (#160)	8									31600		14200		1480		34800		228000+	
2,3,3',4,5',6-HxCB (#161)	2							19000											
2,3,3',5,5',6-HxCB (#165)	2																		
2,2',3,4,4',5,6-HpCB (#181)	2									86.9		35.5				12.5		21.3	
2,2',3,4,4',5,6'-HpCB (#182)	2									65.6		34.5				86.8		477	
2,2',3,4,4',6,6'-HpCB (#184)	2															81.1		222	
2,2',3,4,5,6,6'-HpCB (#186)	2															16.2		35.4	
2,2',3,4',5,6,6'-HpCB (#188)	2									34.9		21.0				45.9		52.9	
2,3,3',4,5,5',6-HpCB (#192)	2																		
2,2',3,4,4',5,6,6'-OoCB (#204)	2									37.4		24.9				45.3		84.0	

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :		C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	
Sampling Location :		MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	
Field QC:		Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Matrix :		Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Units :		pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	
Date Sampled :		3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	
Time Sampled :		16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57	
Dilution Factor :		50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227	
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2-MoCB (#1)	2	956000		5070		10600		4980		60.5		397		67.8+		45.7	
3-MoCB (#2)	2	211000		309		1380		1080		89.8		110		58.4+		89.6+	
4-MoCB (#3)	2	588000		1050		5910		5220		126		340		113+		52.7	
2,2'-DiCB (#4)	2	2E+06	J	7360	J	42700		12900		110		1190		142		54.0	
2,3-DiCB (#5)	2	297000		1030	J	4820	J	3060		9.73						11.2	
2,3'-DiCB (#6)	2	789000		2010	J	12100		7100		83.1		605		73.3		38.6	
2,4-DiCB (#7)	2	176000		428	J	2560		2080		15.4		127		13.4		18.5	
2,4'-DiCB (#8)	2	3E+06	J	7740	J	49500		26500		277		1890		283		182	
2,5-DiCB (#9)	2	296000		820	J	5370		3460		16.5		139		15.1		21.9	
2,6-DiCB (#10)	2	61300		286	J	1960		850		105							
3,3'-DiCB (#11)	2	40700		136	B	1010		805		209		183		136		28.8	
3,4-DiCB (#12)	4	240000		404	J	3420		3140		161		468		106		142	
3,4'-DiCB (#13)	4	240000		404	J	3420		3140		161		468		106		142	
3,5-DiCB (#14)	2				UJ												
4,4'-DiCB (#15)	2	1E+06		2470		33100		20800		664		2600		540		222	
2,2',3'-TrCB (#16)	2	2E+06		7050	J	55800		32300		151		1870		188		60.2	
2,2',4'-TrCB (#17)	2	2E+06		5980	J	64900		37600		200		2030		296		59.1	
2,2',5'-TrCB (#18)	4	5E+06	J	18900	J	181000		105000		403		4720		529		144	
2,2',6'-TrCB (#19)	2	559000		1930	J	33300		12700		76.1		571		143		127	
2,3,3'-TrCB (#20)	4	6E+07	J	18200	J	182000		119000		1290		8420		1440		417	
2,3,4'-TrCB (#21)	4	4E+06	J	10700	J	62100		50900		364		2910		434		166	
2,3,4'-TrCB (#22)	2	2E+06	J	6550	J	50000		36800		313		2300		354		132	
2,3,5'-TrCB (#23)	2	5370			UJ												
2,3,6'-TrCB (#24)	2	111000		254	J	3050		1050								12.5	
2,3',4'-TrCB (#25)	2	330000		1010	J	11400		6230		142		1140		145		27.6	
2,3',5'-TrCB (#26)	4	1E+06		2850	J	28100		17600		224		1530		234		53.3	
2,3',6'-TrCB (#27)	2	306000		987	J	18100		7450		63.8		400		71.6		109	
2,4,4'-TrCB (#28)	4	6E+06	J	18200	J	182000		119000		1290		8420		1440		417	
2,4,5'-TrCB (#29)	4	1E+06		2850	J	28100		17600		224		1530		234		53.3	
2,4,6'-TrCB (#30)	4	5E+06	J	18900	J	181000		105000		403		4720		529		144	
2,4',5'-TrCB (#31)	2	6E+06	J	19400	J	158000		125000		937		6980		1060		306	
2,4',6'-TrCB (#32)	2	1E+06		4840	J	71800		36600		241		1930		336		69.6	
2,3',4'-TrCB (#33)	4	4E+06	J	10700	J	62100		50900		364		2910		434		166	
2,3',5'-TrCB (#34)	2	19000		123	J	399										10.1	
3,3',4'-TrCB (#35)	2	59400			UJ	1140	J			57.6		225		42.8		57.6	
3,3',5'-TrCB (#36)	2				UJ												
3,4,4'-TrCB (#37)	2	2E+06		3400		39200		27700		504		2160		493		172	
3,4,5'-TrCB (#38)	2				UJ												
3,4',5'-TrCB (#39)	2	52900		187	J			1540		13.6				13.8	J		
2,2',3,3'-TeCB (#40) *	6	4E+06	J	11200		285000		143000		1010		6240		1270		184	
2,2',3,4'-TeCB (#41) *	6	984000		2970		47100		39500		1010		6240		1270		184	
2,2',3,4'-TeCB (#42)	2	2E+06	J	6780		181000		85900		474		3050		621		92.5	
2,2',3,5'-TeCB (#43)	2	502000		1540		37500		15100		60.4		499		85.0		126	
2,2',3,5'-TeCB (#44)	6	8E+06	J	30300		742000	J	368000		1810		11500		2400		354	
2,2',3,6'-TeCB (#45)	4	2E+06		5580		179000		81500		380		2430		507		69.9	
2,2',3,6'-TeCB (#46)	2	569000		1790		50700		24700		99.4		828		148		208	
2,2',4,4'-TeCB (#47)	6	8E+06	J	30300		742000	J	368000		1810		11500		2400		354	
2,2',4,5'-TeCB (#48)	2	2E+06	J	6380		93500		63800		237		2320		335		50.5	
2,2',4,5'-TeCB (#49)	4	4E+06	J	15900		394000		192000		1210		7330		1650		217	
2,2',4,6'-TeCB (#50)	4	1E+06		4090		143000		69100		283		1870		415		52.2	
2,2',4,6'-TeCB (#51)	4	2E+06		5580		179000		81500		380		2430		507		69.9	

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :		C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	
Sampling Location :		MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	
Field QC:		Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Matrix :		Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Units :		pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	
Date Sampled :		3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	
Time Sampled :		16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57	
Dilution Factor :		50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227	
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,2',5,5'-TeCB (#52)	2	1E+07 J		38900		1E+06 J		417000		2020		13500		2830		379	
2,2',5,6'-TeCB (#53)	4	1E+06		4090		143000		69100		283		1870		415		52.2	
2,2',6,6'-TeCB (#54)	2	23300		84.3 J		2270		1050		19.2		23.8		23.4		43.1	
2,3,3',4'-TeCB (#55)	2	156000						5930		21.8		267		30.3		34.2	
2,3,3',4'-TeCB (#56)	2	4E+06 J		10600		164000		117000		866		5200		1030		177	
2,3,3',5'-TeCB (#57)	2									13.2				16.4		19.1	
2,3,3',5'-TeCB (#58)	2							777								33.8	
2,3,3',6'-TeCB (#59)	6	753000		2230		66700		31300		170		1090		214		319	
2,3,4,4'-TeCB (#60)	2	3E+06 J		3870		61700		57500		331		2210		450		95.1	
2,3,4,5'-TeCB (#61)	8	2E+07 J		43100		625000 J		425000		2900		18400		3840		629	
2,3,4,6'-TeCB (#62)	6	753000		2230		66700		31300		170		1090		214		319	
2,3,4',5'-TeCB (#63)	2	380000		1070		11500		10000		74.3		448		97.7		129	
2,3,4',6'-TeCB (#64)	2	4E+06 J		11900		237000		141000		785		5140		1030		149	
2,3,5,6'-TeCB (#65)	6	8E+06 J		30300		742000 J		368000		1810		11500		2400		354	
2,3',4,4'-TeCB (#66)	2	8E+06 J		20800		427000		267000		1800		9880		2150		391	
2,3',4,5'-TeCB (#67)	2	211000		491		7960		5400		69.0		570		106		94.2	
2,3',4,5'-TeCB (#68)	2	15200				1700		672 J		30.0		29.4				38.3	
2,3',4,6'-TeCB (#69)	4	4E+06 J		15900		394000		192000		1210		7330		1650		217	
2,3',4',5'-TeCB (#70)	8	2E+07 J		43100		625000		425000		2900		18400		3840		629	
2,3',4',6'-TeCB (#71) *	6	4E+06 J		11200		286000		143000		1010		6240		1270		184	
2,3',5,6'-TeCB (#72)	2	29200				3260				33.1		125		37.8		43.3	
2,3',5',6'-TeCB (#73)	2							3170									
2,4,4',5'-TeCB (#74)	8	2E+07 J		43100		625000		425000		2900		18400		3840		629	
2,4,4',6'-TeCB (#75)	6	753000		2230		66700		31300		170		1090		214		319	
2,3',4',5'-TeCB (#76)	8	2E+07 J		43100		625000		425000		2900		18400		3840		629	
3,3',4,4'-TeCB (#77)	2	551000		1500		27200		18200		298		1160		282		53.4	
3,3',4,5'-TeCB (#78)	2																
3,3',4,5'-TeCB (#79)	2	235000				27200				37.8		131		45.7 J		51.9	
3,3',5,5'-TeCB (#80)	2																
3,4,4',5'-TeCB (#81)	2																
2,2',3,3',4'-PeCB (#82)	2	1E+06		5100		161000		55000		369		1770		482		69.0	
2,2',3,3',5'-PeCB (#83) **	4	513000		1910		37600		14600		2000		7020		2550		311	
2,2',3,3',6'-PeCB (#84)	2	2E+06 J		10500		311000		89000		824		3800		1080		126	
2,2',3,4,4'-PeCB (#85)	6	1E+06		5790		155000		50500		615		2570		770		109	
2,2',3,4,5'-PeCB (#86)	12	6E+06 J		27300		776000 J		211000		2040		8620		2690		359	
2,2',3,4,5'-PeCB (#87)	12	6E+06 J		27300		776000 J		211000		2040		8620		2690		359	
2,2',3,4,6'-PeCB (#88)	4	1E+06		4810		178000		56800		546		2060		706		79.0	
2,2',3,4,6'-PeCB (#89)	2	186000		617		23300		9990		46.7		279		61.9		95.8	
2,2',3,4',5'-PeCB (#90)	6	8E+06 J		34700		1E+06 J		223000		3260		12800		4430		536	
2,2',3,4',6'-PeCB (#91)	4	1E+06		4810		178000		56800		546		2060		706		79.0	
2,2',3,5,5'-PeCB (#92)	2	1E+06		6290		186000		42800		707		2490		870		102	
2,2',3,5,6'-PeCB (#93)	10	105000		1030		26500		7460		2740		11300		3670		399	
2,2',3,5,6'-PeCB (#94)	2	54900		254		8020		3220		36.9		131		43.8		63.9	
2,2',3,5',6'-PeCB (#95)	10	7E+06 J		30400		891000 J		213000		2740		11300		3670		399	
2,2',3,6,6'-PeCB (#96)	2	89700		387		13400		5510		27.6		179		38.4		63.2	
2,2',3,4',5'-PeCB (#97)	12	6E+06 J		27300		776000 J		211000		2040		8620		2690		359	
2,2',3,4',6'-PeCB (#98)	10	330000		1340		49700		17700		2740		11300		3670		399	
2,2',4,4',5'-PeCB (#99)	4	3E+06 J		13900		445000		125000		2000		7020		2550		311	
2,2',4,4',6'-PeCB (#100)	10	105000		6290		26500		7460		2740		11300		3670		399	
2,2',4,5,5'-PeCB (#101)	6	8E+06 J		34700		1E+06 J		223000		3260		12800		4430		536	
2,2',4,5,6'-PeCB (#102)	10	330000		1340		49700		17700		2740		11300		3670		399	

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :		C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	
Sampling Location :		MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	
Field QC:		Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Matrix :		Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
Units :		pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	
Date Sampled :		3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	
Time Sampled :		16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57	
Dilution Factor :		50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227	
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,2',4,5,6'-PeCB (#103)	2	42800		210		6400		2320		60.0		155		66.9		92.2	
2,2',4,6,6'-PeCB (#104)	2					265 J								15.2		222	
2,3,3',4,4'-PeCB (#105)	2	3E+06 J		12000		222000		96700		1180		4520		1500		236	
2,3,3',4,5'-PeCB (#106)	2					11700		1960 J								1840	
2,3,3',4',5'-PeCB (#107)	4	303000		1190				9100		106		427		146		172	
2,3,3',4,5'-PeCB (#108)	12	6E+06 J		27300		776000 J		211000		2040		8620		2690		359	
2,3,3',4,6'-PeCB (#109)	2	459000		2030		50300		17300		229		791		305		41.0	
2,3,3',4',6'-PeCB (#110)	4	8E+06 J		35500		1E+06 J		281000		3890		13900		4720		621	
2,3,3',5,5'-PeCB (#111)	2															6920	
2,3,3',5,6'-PeCB (#112)	2					9170										298	
2,3,3',5,6'-PeCB (#113)	6	8E+06 J		34700		1E+06 J		223000		3260		12800		4430		536	
2,3,4,4',5'-PeCB (#114)	2	172000		728		6350		4290		67.4		279		90.2		106	
2,3,4,4',6'-PeCB (#115)	4	8E+06 J		35500		1E+06 J		281000		3890		13900		4720		621	
2,3,4,5,6'-PeCB (#116)	6	1E+06		5790		155000		50500		615		2570		770		109	
2,3,4',5,6'-PeCB (#117)	6	1E+06		5790		155000		50500		615		2570		770		109	
2,3',4,4',5'-PeCB (#118)	2	6E+06 J		26500		554000 J		156000		2840		10500		3640		524	
2,3',4,4',6'-PeCB (#119)	12	6E+06 J		27300		776000 J		211000		2040		8620		2690		359	
2,3',4,5,5'-PeCB (#120)	2	3380						20.9								29.1	
2,3',4,5,6'-PeCB (#121)	2															167	
2,3,3',4',5'-PeCB (#122)	2	101000		371		11400		3290		40.7		141		49.8		61.5	
2,3',4,4',5'-PeCB (#123)	2	84900		307		9460				63.5		233		72.7		90.6	
2,3',4',5,5'-PeCB (#124)	4	303000		1190				9100		106		427		146		172	
2,3',4',5,6'-PeCB (#125)	12	6E+06 J		27300		776000 J		211000		2040		8620		2690		359	
3,3',4,4',5'-PeCB (#126)	2							20.0						17.9		23.7	
3,3',4,5,5'-PeCB (#127)	2															52.6	
2,2',3,3',4,4'-HxCB (#128)	4	1E+06		5030		161000		26700		799		1660		906		121	
2,2',3,3',4,5'-HxCB (#129)	8	9E+06 J		37000		1E+06 J		173000		5080		12800		6200		785	
2,2',3,3',4,5'-HxCB (#130)	2	420000		2110		66300		10500		336		890		379		48.3	
2,2',3,3',4,6'-HxCB (#131)	2	96500		517		15200				56.6		190		70.6		84.8	
2,2',3,3',4,6'-HxCB (#132)	2	3E+06 J		12400		395000		58500		1640		4610		1950		229	
2,2',3,3',5,5'-HxCB (#133)	2	92800		488		15300				109		378		107		134	
2,2',3,3',5,6'-HxCB (#134)	4	438000		1740				5760 J		249		859		298		361	
2,2',3,3',5,6'-HxCB (#135)	6	4E+06 J		19000		669000 J		72700		1940		5860		2250		259	
2,2',3,3',6,6'-HxCB (#136)	2	1E+06		5740		218000		26700		638		1900		748		79.2	
2,2',3,4,4',5'-HxCB (#137)	2	490000		2660		82400		14700		195		576		255		32.2	
2,2',3,4,4',5'-HxCB (#138)	8	9E+06 J		37000		1E+06 J		173000		5080		12800		6200		785	
2,2',3,4,4',6'-HxCB (#139)	4	112000		649		16600		2360		86.7		296		102		117	
2,2',3,4,4',6'-HxCB (#140)	4	112000		649		16600		2360		86.7		296		102		117	
2,2',3,4,5,5'-HxCB (#141)	2	2E+06		6810		183000		19900 J		858		2940		1180		145	
2,2',3,4,5,6'-HxCB (#142)	2															1490	
2,2',3,4,5,6'-HxCB (#143)	4					42400				249		859		298		361	
2,2',3,4,5',6'-HxCB (#144)	2	576000				88400		10200		230		819		293		33.4	
2,2',3,4,6,6'-HxCB (#145)	2															426	
2,2',3,4',5,5'-HxCB (#146)	2	1E+06		4860		167000		21500		859		2320		958		118	
2,2',3,4',5,6'-HxCB (#147)	4	1E+07 J		38500		1E+06 J		157000		4230		12000		5190		609	
2,2',3,4',5,6'-HxCB (#148)	2					594				19.5				18.8		23.9	
2,2',3,4',5',6'-HxCB (#149)	4	1E+07 J		38500		1E+06 J		157000		4230		12000		5190		609	
2,2',3,4',6,6'-HxCB (#150)	2	4440				965 J				19.6				16.7		23.8	
2,2',3,5,5',6'-HxCB (#151)	6	4E+06 J		19000		666000 J		72700		1940		5860		2250		259	
2,2',3,5,6,6'-HxCB (#152)	2	6420				1050										3260	
2,2',4,4',5,5'-HxCB (#153)	4	1E+07 J		38900		1E+06 J		165000		4580		12500		5570		682	

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06																
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06																
Field QC:	Aqueous	Aqueous	Soil	Soil																											
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil																
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g																
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008																
Time Sampled :	16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57																
Dilution Factor :	50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227																
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag																
2,2',4,4',5,6'-HxCB (#154)	6	26100		145				1940		5860		2250		259		3260		124		8440		411		9260		11000		62500			
2,2',4,4',6,6'-HxCB (#155)	2															10.5				12.0	J										
2,3,3',4,4',5-HxCB (#156)	4	741000		3750		88900		16000		516		1440		658		86.7		754		36.3		2840		126		4460		2680		29700	
2,3,3',4,4',5'-HxCB (#157)	4	741000		3750		88900		16000		516		1440		658		86.7		754		36.3		2840		126		4460		2680		29700	
2,3,3',4,4',6-HxCB (#158)	2	837000		3580		119000		17000		461		1690		581		73.8		703		29.1		2070		123		3690		2420		26300	
2,3,3',4,5,5'-HxCB (#159)	2	209000				25100		2690		76.3		412		92.5				123				279		17.4		312		358		1650	
2,3,3',4,5,6-HxCB (#160)	8							5080		12800		6200		785				7680		323		22300		1240		34900		24700		266000+	
2,3,3',4,5',6-HxCB (#161)	2							19000																							
2,3,3',4',5,5'-HxCB (#162)	2	135000		541		5830				24.6		124		27.5				30.8				91.8				154		98.4		897	
2,3,3',4',5,6-HxCB (#163)	8	9E+06 J		37000		1E+06 J		173000		5080		12800		6200		785		7680		323		22300		1240		34900		24700		266000+	
2,3,3',4',5',6-HxCB (#164)	2	385000		1480		54200		6320		367		976		440		54.6		555		22.3		1630		90.8		2500		1880		16500	
2,3,3',5,5',6-HxCB (#165)	2																														
2,3,4,4',5,6-HxCB (#166)	4	1E+06		5030		161000		26700		799		1660		906		121		1120		50.3		3790		194		6490		3570		42900	
2,3,4,4',5,5'-HxCB (#167)	2	204000		1070		38000		5330		218		614		261		32.2		327		13.8		1020		50.6		1580		1000		9050	
2,3,4,4',5',6-HxCB (#168)	4	1E+07 J		38900		1E+06 J		165000		4580		12500		5570		682		7060		262		18300		1010		24900		20800		163000+	
3,3',4,4',5,5'-HxCB (#169)	2			169																										98.5	J
2,2',3,3',4,4',5-HpCB (#170)	2	3E+06 J		10600		528000 J		55800		1560		4660		2060		267		3160		113		6750		389		8510		7850		48000	
2,2',3,3',4,4',6-HpCB (#171)	4	1E+06		3710		161000		18200		492		2130		625		80.4		990		34.7		2040		123		2670		2500		16900	
2,2',3,3',4,4',5,5'-HpCB (#172)	2	632000				118000		11400		384		7300		437		57.6		706		24.0		1330		80.7		1610		1940		8940	
2,2',3,3',4,5,6-HpCB (#173)	4	1E+06		3710		161000		18200		492		2130		625		80.4		990		34.7		2040		123		2670		2500		16900	
2,2',3,3',4,5,6'-HpCB (#174)	2	5E+06 J		19800		726000 J		48400		1730		10300		2160		322		3610		119		6590		445		8960		9500		53600	
2,2',3,3',4,5',6-HpCB (#175)	2	194000				29400		1810		99.9		1940		105				172				310		20.6		403		480		2160	
2,2',3,3',4,6,6'-HpCB (#176)	2	751000		2670		112000		12300		228		1170		292		38.2		466		16.4		894		53.3		1070		1160		7120	
2,2',3,3',4,5',6'-HpCB (#177)	2	3E+06 J		9640		438000		45900		1190		4320		1310		182		2070		69.3		4060		256		4860		5550		27900	
2,2',3,3',5,5',6-HpCB (#178)	2	1E+06		4180		186000		23800		515		10500		530		80.3		845		29.0		1550		99.6		1860		2250		9730	
2,2',3,3',5,6,6'-HpCB (#179)	2	3E+06 J		10900		442000				792		5200		974		134		1580		53.4		2880		192		3320		3960		20700	
2,2',3,4,4',5,5'-HpCB (#180)	4	1E+07 J		37100		2E+06 J		212000		3980		21900		5470		714		8450		279		16300		940		18500		18600		60000+	
2,2',3,4,4',5,6-HpCB (#181)	2							18.0		598		16.5				22.2						73.9				101		83.8		702	
2,2',3,4,4',5,6'-HpCB (#182)	2							30.0		1060		16.2						28.7				46.4				69.4		77.8		264	
2,2',3,4,4',5',6-HpCB (#183)	4	4E+06 J		13900		792000 J		116000		1400		14100		1670		242		2780		93.6		4920		324		6300		6710		37200	
2,2',3,4,4',6,6'-HpCB (#184)	2							11.9		184								11.9				13.6						15.5			
2,2',3,4,5,5',6-HpCB (#185)	4	4E+06 J		13900		792000 J		116000		1400		14100		1670		242		2780		93.6		4920		324		6300		6710		37200	
2,2',3,4,5,6,6'-HpCB (#186)	2									195																					
2,2',3,4',5,5',6-HpCB (#187)	2	7E+06 J		25500		1E+06 J		175000		2920		48500		3220		469		5230		172		8930		616		10800		12700		63100	
2,2',3,4',5,6,6'-HpCB (#188)	2							25.4		310		17.7						24.3				29.8				28.8		30.5			
2,3,3',4,4',5,5'-HpCB (#189)	2	56700		256		12200		981		76.3		885		83.7				111				265		14.9		371		325		1540	
2,3,3',4,4',5,6-HpCB (#190)	2	797000		2730		137000		16500		380		1130		447		63.9		699		24.8		1400		85.9		1780		1680		9360	
2,3,3',4,4',5',6-HpCB (#191)	2			355		17300				68.7		709		89.0				138				284		16.9		370		334		1960	
2,3,3',4,5,5',6-HpCB (#192)	2							115																							
2,3,3',4',5,5',6-HpCB (#193)	4	1E+07 J		37100		2E+06 J		212000		3980		21900		5470		714		8450		279		16300		940		18500		18600		60000+	
2,2',3,3',4,4',5,5'-OxCB (#194)	2	3E+06 J		12900		544000 J		82800		2480		105000		1770		263		2420		89.9		4400		335		5500		8640		18300	
2,2',3,3',4,4',5,6-OxCB (#195)	2	1E+06		4800		216000		20800		567		14500		524		92.2		767		25.9		1450		99.8		1630		1830		6270	
2,2',3,3',4,4',5,6'-OxCB (#196)	2	2E+06 J		8790		377000		70800		3450		164000		1610		217		2330		104		5390		260		4340		13600		18100	
2,2',3,3',4,4',6,6'-OxCB (#197)	4	692000		3270		111000		16600		487		17800		302				598				927		60.1		1040		1790		5090	
2,2',3,3',4,4',5,6'-OxCB (#198)	4	4E+06 J		19300		726000 J		139000		21700		1650000+		6160		888		10400		476		18100		1280		17800		84900+		70200	
2,2',3,3',4,5,5',6'-OxCB (#199)	4	4E+06 J		19300		726000 J		139000		21700		1650000+		6160		888		10400		476		18100		1280		17800		84900+		70200	
2,2',3,3',4,5,6,6'-OxCB (#200)	4	692000		3270		111000		16600		487		17800		302				598				927		60.1		1040		1790		5090	
2,2',3,3',4,5',6,6'-OxCB (#201)	2	569000		2680		94000		17900		1020		59400		408		75.7		951		30.1		1190		89.0		1450		3890		5550	
2,2',3,3',5,5',6,6'-OxCB (#202)	2	746000		3370		133000		36100		6530		546000+		1840		276		2540		132		4650		437		5190		23800+		17200	
2,2',3,4,4',5,5',6-OxCB (#203)	2	2E+06		10100		349000		64600		7410		557000+		2340		371		3930		168		8660		494							

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06																
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-01A	MC-SD-01B	MC-SD-02A	MC-SD-02B	MC-SD-03A	MC-SD-03B	MC-SD-04A	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06																
Field QC:	Aqueous	Aqueous	Soil	Soil																											
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil																
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g																
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008																
Time Sampled :	16:30	10:45	14:10	14:20	09:07	09:15	09:48	09:54	10:35	10:42	10:58	11:20	11:38	11:47	11:57																
Dilution Factor :	50	1.17	47.6	48.1	4.72/236	52.1/2080	4.81/24.0	11.5	4.76/23.8	5.11	4.81/24.0/38.5	4.81	11.6/46.3	4.67/23.4/234	22.7/227																
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag																
2,3,3',4,4',5,5',6-OcCB (#205)	2	117000		545		21200		2430		256		13400		120		163		297		24.1		360		836		1270					
2,2',3,3',4,4',5,5',6-NoCB (#206)	2	742000		8080		173000		76800		86600+		13000000+		24900+		3830		33700+		1910		57700++		6110		74900+		301000++		170000+	
2,2',3,3',4,4',5,6,6'-NoCB (#207)	2	144000		971		28800		5080		5100		557000+		1590		278		2130		102		3090		358		5500		18100+		13000	
2,2',3,3',4,5,5',6,6'-NoCB (#208)	2	168000		1820		39500		8850		43200+		5370000+		12900		1770		16700		946		28800+		2930		35600+		138000++		84400+	
2,2',3,3',4,4',5,5',6,6'-DeCB (#2)	2	48200		1290	J	19700		16600		108000+		17900000+		36900+		5110		43700+		2370		76200+		7430		78300+		415000++		232000+	

Notes:
pg/g = picograms per gram
pg/L = picograms per liter
RL = reporting Limit.
pg/L = picograms per liter
+ = Result reported from the diluted analysis.

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010
Field QC:		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result
2-MoCB (#1)	2	956000		5070		10600		4980		279		R	+			+		3770
3-MoCB (#2)	2	211000		309		1380		1080		175		R	+			+		233
4-MoCB (#3)	2	588000		1050		5910		5220		325		R	+			71.4+		1080
2,2'-DiCB (#4)	2	2E+06	J	7360	J	42700		12900		678		112		29.1		136		13200
2,3-DiCB (#5)	2	297000		1030	J	4820	J	3060		44.2								752
2,3'-DiCB (#6)	2	789000		2010	J	12100		7100		420		54.1		10.1		79.7		6350
2,4-DiCB (#7)	2	176000		428	J	2560		2080		82.3		10.6	J			14.5		1500
2,4'-DiCB (#8)	2	3E+06	J	7740	J	49500		26500		2170		306+		55.9		426+		36800
2,5-DiCB (#9)	2	296000		820	J	5370		3460		105		12.6				20.0		1590
2,6-DiCB (#10)	2	61300		286	J	1960		850		32.9						12.1		584
3,3'-DiCB (#11)	2	40700		136	B	1010		805		212		121		12.2		83.2		623
3,4-DiCB (#12)	4	240000		404	J	3420		3140		411		85.7				133		3700
3,4'-DiCB (#13)	4	240000		404	J	3420		3140		411		85.7				133		3700
3,5-DiCB (#14)	2			UJ														
4,4'-DiCB (#15)	2	1E+06		2470		33100		20800		2140		553		60.8		1080		15300
2,2',3-TrCB (#16)	2	2E+06	J	7050	J	55800		32300		2400		369		62.4		899		38800
2,2',4'-TrCB (#17)	2	2E+06	J	5980	J	64900		37600		2390		423		74.2		1030		32200
2,2',5-TrCB (#18)	4	5E+06	J	18900	J	181000		105000		6140		1040		194		2600		92100+
2,2',6-TrCB (#19)	2	559000		1930	J	33300		12700		621		198		25.9		345		7510
2,3,3'-TrCB (#20)	4	6E+07	J	18200	J	182000		119000		13800		2450		356		6920		117000+
2,3,4'-TrCB (#21)	4	4E+06	J	10700	J	62100		50900		6390		795		128		2000		67600+
2,3,4'-TrCB (#22)	2	2E+06	J	6550	J	50000		36800		4560		582		82.9		1540		42900
2,3,5-TrCB (#23)	2	5370		UJ														114
2,3,6-TrCB (#24)	2	111000		254	J	3050		1050		51.2		13.9				30.7		864
2,3',4'-TrCB (#25)	2	330000		1010	J	11400		6230		832		144		18.9		35.2		6270
2,3',5-TrCB (#26)	4	1E+06		2850	J	28100		17600		1900		309		48.5		809		17300
2,3',6-TrCB (#27)	2	306000		987	J	18100		7450		470		124		18.2		311		4540
2,4,4'-TrCB (#28)	4	6E+06	J	18200	J	182000		119000		13800		2450		356		6920		117000+
2,4,5-TrCB (#29)	4	1E+06		2850	J	28100		17600		1900		309		48.5		809		17300
2,4,6-TrCB (#30)	4	5E+06	J	18900	J	181000		105000		6140		1040		194		2600		92100+
2,4',5-TrCB (#31)	2	6E+06	J	19400	J	158000		125000		12300		2090		315		6120		115000+
2,4',6-TrCB (#32)	2	1E+06		4840	J	71800		36600		2520		673		93.4		1700		26500
2,3',4'-TrCB (#33)	4	4E+06	J	10700	J	62100		50900		6390		795		128		2000		67600+
2,3',5-TrCB (#34)	2	19000		123	J	399				41.6						16.8		429
3,3',4'-TrCB (#35)	2	59400		UJ		1140	J			255		66.1				115		2040
3,3',5-TrCB (#36)	2			UJ														
3,4,4'-TrCB (#37)	2	2E+06		3400		39200		27700		4950		850		102		2330		27700
3,4,5-TrCB (#38)	2			UJ														27.6
3,4',5-TrCB (#39)	2	52900		187	J			1540		134		33.9				99.6		80.6
2,2',3,3'-TeCB (#40) *	6	4E+06	J	11200		286000		143000		12500		3280		519		11100		92200+
2,2',3,4'-TeCB (#41) *	6	984000		2970		47100		39500		12500		3280		519		11100		92200+
2,2',3,4'-TeCB (#42)	2	2E+06	J	6780		181000		85900		5760		1600		229		4770		36000
2,2',3,5'-TeCB (#43)	2	502000		1540		37500		15100		857		224		32.8		669		5450
2,2',3,5'-TeCB (#44)	6	8E+06	J	30300		742000	J	368000		21400		5790		863		16600		177000+
2,2',3,6'-TeCB (#45)	4	2E+06		5580		179000		81500		4420		1580		193		4630		26300
2,2',3,6'-TeCB (#46)	2	569000		1790		50700		24700		1430		550		64.1		1600		9500
2,2',4,4'-TeCB (#47)	6	8E+06	J	30300		742000	J	368000		21400		5790		863		16600		177000+
2,2',4,5'-TeCB (#48)	2	2E+06	J	6380		93500		63800		4390		1060		163		3230		31500
2,2',4,5'-TeCB (#49)	4	4E+06	J	15900		394000		192000		13200		3620		524		10300		102000+
2,2',4,6'-TeCB (#50)	4	1E+06		4090		143000		69100		3400		1350		155		3820		20900
2,2',4,6'-TeCB (#51)	4	2E+06		5580		179000		81500		4420		1580		193		4630		26300

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Field QC:		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008	
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10	
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2	
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,2',5,5'-TeCB (#52)	2	1E+07 J		38900		1E+06 J		417000		24500		8230		1150		22700		248000+	
2,2',5,6'-TeCB (#53)	4	1E+06		4090		143000		69100		3400		1350		155		3820		20900	
2,2',6,6'-TeCB (#54)	2	23300		84.3 J		2270		1050		71.3		23.3				50.3		315	
2,3,3',4'-TeCB (#55)	2	156000						5930		402		69.1		9.84		209	J	1960	
2,3,3',4'-TeCB (#56)	2	4E+06 J		10600		164000		117000		11300		2920		394		8410		72700+	
2,3,3',5'-TeCB (#57)	2									90.2		24.9				72.7		542	
2,3,3',5'-TeCB (#58)	2							777		81.6								311	
2,3,3',6'-TeCB (#59)	6	753000		2230		66700		31300		1860		668		85.5		1980		11100	
2,3,4,4'-TeCB (#60)	2	3E+06 J		3870		61700		57500		6430		1550		215		4830		39200+	
2,3,4,5'-TeCB (#61)	8	2E+07 J		43100		625000 J		425000		40100+		10500		1620		31700+		309000+	
2,3,4,6'-TeCB (#62)	6	753000		2230		66700		31300		1860		668		85.5		1980		11100	
2,3,4',5'-TeCB (#63)	2	380000		1070		11500		10000		943		225		33.6		724		5420	
2,3,4',6'-TeCB (#64)	2	4E+06 J		11900		237000		141000		9530		3060		430		9060		73700+	
2,3,5,6'-TeCB (#65)	6	8E+06 J		30300		742000 J		368000		21400		5790		863		16600		177000+	
2,3',4,4'-TeCB (#66)	2	8E+06 J		20800		427000		267000		22700		5440		809		16600		131000+	
2,3',4,5'-TeCB (#67)	2	211000		491		7960		5400		681		160		21.2		490		4020	
2,3',4,5'-TeCB (#68)	2	15200				1700		672 J		94.9		29.9				65.7		281	
2,3',4,6'-TeCB (#69)	4	4E+06 J		15900		394000		192000		13200		3620		524		10300		102000+	
2,3',4',5'-TeCB (#70)	8	2E+07 J		43100		625000		425000		40100+		10500		1620		31700+		309000+	
2,3',4',6'-TeCB (#71) *	6	4E+06 J		11200		286000		143000		12500		3280		519		11100		92200+	
2,3',5,5'-TeCB (#72)	2	29200				3260				157		42.8				120		801	
2,3',5',6'-TeCB (#73)	2							3170											
2,4,4',5'-TeCB (#74)	8	2E+07 J		43100		625000		425000		40100+		10500		1620		31700+		309000+	
2,4,4',6'-TeCB (#75)	6	753000		2230		66700		31300		1860		668		85.5		1980		11100	
2,3',4',5'-TeCB (#76)	8	2E+07 J		43100		625000		425000		40100+		10500		1620		31700+		309000+	
3,3',4,4'-TeCB (#77)	2	551000		1500		27200		18200		2570		719		84.0		2090+		11700	
3,3',4,5'-TeCB (#78)	2																		
3,3',4,5'-TeCB (#79)	2	235000				27200				327		148		17.2		402		1960	
3,3',5,5'-TeCB (#80)	2																		
3,4,4',5'-TeCB (#81)	2									123		25.0				84.4	J	534	
2,2',3,3',4'-PeCB (#82)	2	1E+06		5100		161000		55000		3700		1880		205		4640+		26600	
2,2',3,3',5'-PeCB (#83) **	4	513000		1910		37600		14600		16500		6820		800		17600		108000+	
2,2',3,3',6'-PeCB (#84)	2	2E+06 J		10500		311000		89000		8760		4300		440		10800		70000+	
2,2',3,4,4'-PeCB (#85)	6	1E+06		5790		155000		50500		6060		2460		292		6490		38600	
2,2',3,4,5'-PeCB (#86)	12	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,2',3,4,5'-PeCB (#87)	12	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,2',3,4,6'-PeCB (#88)	4	1E+06		4810		178000		56800		5270		2320		248		5590		28300	
2,2',3,4,6'-PeCB (#89)	2	186000		617		23300		9990		633		287		30.7		798		3040	
2,2',3,4',5'-PeCB (#90)	6	8E+06 J		34700		1E+06 J		223000		26700		12600		1440		33300+		237000+	
2,2',3,4',6'-PeCB (#91)	4	1E+06		4810		178000		56800		5270		2320		248		5590		28300	
2,2',3,5,5'-PeCB (#92)	2	1E+06		6290		186000		42800		5410		2410		267		6180		40800	
2,2',3,5,6'-PeCB (#93)	10	105000		1030		26500		7460		24100		12300		1290		29500+		204000+	
2,2',3,5,6'-PeCB (#94)	2	54900		254		8020		3220		282		107		11.8		285		1120	
2,2',3,5',6'-PeCB (#95)	10	7E+06 J		30400		891000 J		213000		24100		12300		1290		29500+		204000+	
2,2',3,6,6'-PeCB (#96)	2	89700		387		13400		5510		361		149		15.2		368		1630	
2,2',3,4',5'-PeCB (#97)	12	6E+06 J		27300		776000 J		211000		19900		8430		995		24000+		169000+	
2,2',3,4',6'-PeCB (#98)	10	330000		1340		49700		17700		24100		12300		1290		29500+		204000+	
2,2',4,4',5'-PeCB (#99)	4	3E+06 J		13900		445000		125000		16500		6820		800		17600		108000+	
2,2',4,4',6'-PeCB (#100)	10	105000		6290		26500		7460		24100		12300		1290		29500+		204000+	
2,2',4,5,5'-PeCB (#101)	6	8E+06 J		34700		1E+06 J		223000		26700		12600		1440		33300+		237000+	
2,2',4,5,6'-PeCB (#102)	10	330000		1340		49700		17700		24100		12300		1290		29500+		204000+	

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Field QC:		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008	
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10	
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2	
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,2',4,5',6'-PeCB (#103)	2	42800		210		6400		2320		255		105		11.2		252		1060	
2,2',4,6,6'-PeCB (#104)	2					265	J									11.0			
2,3,3',4,4'-PeCB (#105)	2	3E+06	J	12000		222000		96700		10900		3880		442		10400		87500+	
2,3,3',4,5'-PeCB (#106)	2					11700		1960	J										
2,3,3',4',5'-PeCB (#107)	4	303000		1190				9100		1200		488		53.4		1340		9150	
2,3,3',4,5'-PeCB (#108)	12	6E+06	J	27300		776000	J	211000		19900		8430		995		24000+		169000+	
2,3,3',4,6'-PeCB (#109)	2	459000		2030		50300		17300		1770		713		76.4		1960		13700	
2,3,3',4',6'-PeCB (#110)	4	8E+06	J	35500		1E+06	J	281000		34200+		14400+		1670		40000+		252000+	
2,3,3',5,5'-PeCB (#111)	2															+			
2,3,3',5,6'-PeCB (#112)	2					9170													
2,3,3',5',6'-PeCB (#113)	6	8E+06	J	34700		1E+06	J	223000		26700		12600		1440		33300+		237000+	
2,3,4,4',5'-PeCB (#114)	2	172000		728		6350		4290		725		224		28.6		628		5260	
2,3,4,4',6'-PeCB (#115)	4	8E+06	J	35500		1E+06	J	281000		34200+		14400+		1670		40000+		252000+	
2,3,4,5,6'-PeCB (#116)	6	1E+06		5790		155000		50500		6060		2460		292		6490		38600	
2,3,4',5,6'-PeCB (#117)	6	1E+06		5790		155000		50500		6060		2460		292		6490		38600	
2,3',4,4',5'-PeCB (#118)	2	6E+06	J	26500		554000	J	156000		23800+		8590		1000		21600+		217000+	
2,3',4,4',6'-PeCB (#119)	12	6E+06	J	27300		776000	J	211000		19900		8430		995		24000+		169000+	
2,3',4,5,5'-PeCB (#120)	2	3380								62.0		24.6				50.9		221	
2,3',4,5',6'-PeCB (#121)	2																		
2,3,3',4',5'-PeCB (#122)	2	101000		371		11400		3290		474		170		18.9		484		2670	
2,3',4,4',5'-PeCB (#123)	2	84900		307		9460				695		246		28.8		695		3310	
2,3',4',5,5'-PeCB (#124)	4	303000		1190				9100		1200		488		53.4		1340		9150	
2,3',4',5',6'-PeCB (#125)	12	6E+06	J	27300		776000	J	211000		19900		8430		995		24000+		169000+	
3,3',4,4',5'-PeCB (#126)	2									122		59.3				175		783	
3,3',4,5,5'-PeCB (#127)	2									34.0		18.2				39.2			
2,2',3,3',4,4'-HxCB (#128)	4	1E+06		5030		161000		26700		5110		2290		246		5570		36400	
2,2',3,3',4,5'-HxCB (#129)	8	9E+06	J	37000		1E+06	J	173000		31600		14200		1480		34800		228000+	
2,2',3,3',4,5'+HxCB (#130)	2	420000		2110		66300		10500		2080		951		97.9		2320		14700	
2,2',3,3',4,6'-HxCB (#131)	2	96500		517		15200				428		213		20.2		533		3500	
2,2',3,3',4,6'-HxCB (#132)	2	3E+06	J	12400		395000		58500		11100		5240		494		12300		78900	
2,2',3,3',5,5'-HxCB (#133)	2	92800		488		15300				448		209		21.8		465		2500	
2,2',3,3',5,6'-HxCB (#134)	4	438000		1740				5760	J	1720		824		77.9		1940		12200	
2,2',3,3',5,6'-HxCB (#135)	6	4E+06	J	19000		666000	J	72700		9640		5010		462		12200+		57800	
2,2',3,3',6,6'-HxCB (#136)	2	1E+06		5740		218000		26700		3470		2010		190		4840+		24600	
2,2',3,4,4',5'-HxCB (#137)	2	490000		2660		82400		14700		1670		738		74.5		1920		11900	
2,2',3,4,4',5'+HxCB (#138)	8	9E+06	J	37000		1E+06	J	173000		31600		14200		1480		34800		228000+	
2,2',3,4,4',6'-HxCB (#139)	4	112000		649		16600		2360		551		253		26.3		656		3850	
2,2',3,4,4',6'-HxCB (#140)	4	112000		649		16600		2360		551		253		26.3		656		3850	
2,2',3,4,5,5'-HxCB (#141)	2	2E+06		6810		183000		19900	J	6160		2850		287		6860		39700	
2,2',3,4,5,6'-HxCB (#142)	2															9.69			
2,2',3,4,5,6'-HxCB (#143)	4					42400				1720		824		77.9		1940		12200	
2,2',3,4,5',6'-HxCB (#144)	2	576000				88400		10200		1470		776		70.6		1730		9610	
2,2',3,4,6,6'-HxCB (#145)	2															17.5		96.1	
2,2',3,4',5,5'-HxCB (#146)	2	1E+06		4860		167000		21500		4230		1950		193		4560		23500	
2,2',3,4',5,6'-HxCB (#147)	4	1E+07	J	38500		1E+06	J	157000		23700		12000		1140		27900		162000+	
2,2',3,4',5,6'-HxCB (#148)	2					594				36.0		20.5				36.6		110	
2,2',3,4',5',6'-HxCB (#149)	4	1E+07	J	38500		1E+06	J	157000		23700		12000		1140		27900		162000+	
2,2',3,4',6,6'-HxCB (#150)	2	4440				965	J			48.9		24.3				57.1		183	
2,2',3,5,5',6'-HxCB (#151)	6	4E+06	J	19000		666000	J	72700		9640		5010		462		12200+		57800	
2,2',3,5,6,6'-HxCB (#152)	2	6420				1050				35.9		15.3				36.6		188	
2,2',4,4',5,5'-HxCB (#153)	4	1E+07	J	38900		1E+06	J	165000		24600		11400		1180		26900		163000+	

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :		C01F5		C01F6		C01F7		C01F8		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Sampling Location :		MC07-GW-114		MC07-GW-C3		MC07-SD-09		MC07-SD-10		MC-SD-07A		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-010	
Field QC:		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Matrix :		Aqueous		Aqueous		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Units :		pg/L		pg/L		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g		pg/g	
Date Sampled :		3/13/2007		3/14/2007		3/06/2007		3/06/2007		8/19/2008		8/19/2008		8/19/2008		8/19/2009		8/19/2008	
Time Sampled :		16:30		10:45		14:10		14:20		10:32		08:34		08:43		09:25		10:10	
Dilution Factor :		50		1.17		47.6		48.1		11.6/46.3		4.90/24.5/245		4.76/23.8		4.81/24.0/240		10.3/41.2	
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,2',4,4',5,6'-HxCB (#154)	6	26100		145						9640		5010		462		12200+		57800	
2,2',4,4',6,6'-HxCB (#155)	2															11.1			
2,3,3',4,4',5-HxCB (#156)	4	741000		3750		88900		16000		3460		1430		165		3830		27800	
2,3,3',4,4',5'-HxCB (#157)	4	741000		3750		88900		16000		3460		1430		165		3830		27800	
2,3,3',4,4',6-HxCB (#158)	2	837000		3580		119000		17000		3190		1430		152		3500		22200	
2,3,3',4,5,5'-HxCB (#159)	2	209000				25100		2690		322		144		18.1		338		1170	
2,3,3',4,5,6-HxCB (#160)	8									31600		14200		1480		34800		228000+	
2,3,3',4,5',6-HxCB (#161)	2							19000											
2,3,3',4',5,5'-HxCB (#162)	2	135000		541		5830				131		72.4				165		806	
2,3,3',4',5,6-HxCB (#163)	8	9E+06 J		37000		1E+06 J		173000		31600		14200		1480		34800		228000+	
2,3,3',4',5',6-HxCB (#164)	2	385000		1480		54200		6320		2200		1020		108		2390		14400	
2,3,3',5,5',6-HxCB (#165)	2															12.5		21.3	
2,3,4,4',5,6-HxCB (#166)	4	1E+06		5030		161000		26700		5110		2290		246		5570		36400	
2,3',4,4',5,5'-HxCB (#167)	2	204000		1070		38000		5330		1350		610		67.8		1630		9190	
2,3',4,4',5',6-HxCB (#168)	4	1E+07 J		38900		1E+06 J		165000		24600		11400		1180		26900		163000+	
3,3',4,4',5,5'-HxCB (#169)	2			169						27.1				9.97				63.1	
2,2',3,3',4,4',5-HpCB (#170)	2	3E+06 J		10600		528000 J		55800		8510		3520		347		8480		34700	
2,2',3,3',4,4',6-HpCB (#171)	4	1E+06		3710		161000		18200		2660		1060		110		2610		11200	
2,2',3,3',4,5,5'-HpCB (#172)	2	632000				118000		11400		1670		887		95.3		2050		6710	
2,2',3,3',4,5,6-HpCB (#173)	4	1E+06		3710		161000		18200		2660		1060		110		2610		11200	
2,2',3,3',4,5,6'-HpCB (#174)	2	5E+06 J		19800		726000 J		48400		9360		3940		411		9460		37800	
2,2',3,3',4,5',6-HpCB (#175)	2	194000				29400		1810		441		204		25.6		479		1730	
2,2',3,3',4,6,6'-HpCB (#176)	2	751000		2670		112000		12300		1180		510		52.3		1210		4870	
2,2',3,3',4,5',6'-HpCB (#177)	2	3E+06 J		9640		438000		45900		5150		2220		242		5420		20300	
2,2',3,3',5,5',6-HpCB (#178)	2	1E+06		4180		186000		23800		2030		974		115		2270		7410	
2,2',3,3',5,6,6'-HpCB (#179)	2	3E+06 J		10900		442000				3760		1760		179		4040		14900	
2,2',3,4,4',5,5'-HpCB (#180)	4	1E+07 J		37100		2E+06 J		212000		20000		8720		836		20300		75200+	
2,2',3,4,4',5,6-HpCB (#181)	2									86.9		35.5				86.8		477	
2,2',3,4,4',5,6'-HpCB (#182)	2									65.6		34.5				81.1		222	
2,2',3,4,4',5',6-HpCB (#183)	4	4E+06 J		13900		792000 J		116000		6560		2800		319		6820		25200	
2,2',3,4,4',6,6'-HpCB (#184)	2															16.2		35.4	
2,2',3,4,5,5',6-HpCB (#185)	4	4E+06 J		13900		792000 J		116000		6560		2800		319		6820		25200	
2,2',3,4,5,6,6'-HpCB (#186)	2																		
2,2',3,4',5,5',6-HpCB (#187)	2	7E+06 J		25500		1E+06 J		175000		12000		5460		654		13200		43700	
2,2',3,4',5,6,6'-HpCB (#188)	2									34.9		21.0				45.9		52.9	
2,3,3',4,4',5,5'-HpCB (#189)	2	56700		256		12200		981		378		162		17.2		385		1630	
2,3,3',4,4',5,6-HpCB (#190)	2	797000		2730		137000		16500		1780		708		81.2		1760		7120	
2,3,3',4,4',5',6-HpCB (#191)	2			355		17300				365		155		15.2		346		1440	
2,3,3',4,5,5',6-HpCB (#192)	2																		
2,3,3',4',5,5',6-HpCB (#193)	4	1E+07 J		37100		2E+06 J		212000		20000		8720		836		20300		75200+	
2,2',3,3',4,4',5,5'-OxCB (#194)	2	3E+06 J		12900		544000 J		82800		6520		3780		500		8870		20900	
2,2',3,3',4,4',5,6-OxCB (#195)	2	1E+06		4800		216000		20800		2100		869		100		2140		7050	
2,2',3,3',4,4',5,6'-OxCB (#196)	2	2E+06 J		8790		377000		70800		5130		4780		634+		8720		15500	
2,2',3,3',4,4',6,6'-OxCB (#197)	4	692000		3270		111000		16600		1210		722		94.5		1660		4050	
2,2',3,3',4,5,5',6-OxCB (#198)	4	4E+06 J		19300		726000 J		139000		21900		20000		3570+		42900		64000+	
2,2',3,3',4,5,5',6'-OxCB (#199)	4	4E+06 J		19300		726000 J		139000		21900		20000		3570+		42900		64000+	
2,2',3,3',4,5,6,6'-OxCB (#200)	4	692000		3270		111000		16600		1210		722		94.5		1660		4050	
2,2',3,3',4,5',6,6'-OxCB (#201)	2	569000		2680		94000		17900		1710		1300		200		2870		4990	
2,2',3,3',5,5',6,6'-OxCB (#202)	2	746000		3370		133000		36100		6330		6280		1220		14000		17900	
2,2',3,4,4',5,5',6-OxCB (#203)	2	2E+06		10100		348000		64600		9310		8080		1220		15600		27200	
2,2',3,4,4',5,6,6'-OxCB (#204)	2									37.4		24.9				45.3		84.0	

TABLE 2
PCB Congener Comparison by IUPAC Number

Sample Number :	C01F5	C01F6	C01F7	C01F8	MC-SD-07A	MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-010										
Sampling Location :	MC07-GW-114	MC07-GW-C3	MC07-SD-09	MC07-SD-10	MC-SD-07A	MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-010										
Field QC:	Aqueous	Aqueous	Soil	Soil															
Matrix :	Aqueous	Aqueous	Soil	Soil	Soil	Soil	Soil	Soil	Soil										
Units :	pg/L	pg/L	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g										
Date Sampled :	3/13/2007	3/14/2007	3/06/2007	3/06/2007	8/19/2008	8/19/2008	8/19/2008	8/19/2009	8/19/2008										
Time Sampled :	16:30	10:45	14:10	14:20	10:32	08:34	06:43	09:25	10:10										
Dilution Factor :	50	1.17	47.6	48.1	11.6/46.3	4.90/24.5/245	4.76/23.8	4.81/24.0/240	10.3/41.2										
PCB Congener Number	RL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,3,3',4,4',5,5',6-OCB (#205)	2	117000		545		21200		2430		438		281		51.5		649		1270	
2,2',3,3',4,4',5,5',6-NoCB (#206)	2	742000		8080		173000		76800		91200+		81000++		20100+		150000++		223000+	
2,2',3,3',4,4',5,5',6'-NoCB (#207)	2	144000		971		28800		5080		6620		6290		1180		11700+		15900	
2,2',3,3',4,4',5,5',6'-NoCB (#208)	2	168000		1820		39500		8850		41800+		47400+		9170		61400++		118000+	
2,2',3,3',4,4',5,5',6'-DeCB (#2)	2	48200		1290 J		19700		16600		104000+		109000++		24500+		174000++		252000+	

Notes:

pg/g = picograms per gram

pg/L = picograms per liter

RL = reporting Limit.

pg/L = picograms per liter

++ = Result reported from the diluted analysis.

ATTACHMENT 1
CLP Analytical Data



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
ENVIRONMENTAL SCIENCE CENTER
701 MAPES ROAD
FORT MEADE, MARYLAND 20755-5350

DATE : September 22, 2008

SUBJECT: Region III Data QA Review

FROM : Colleen Walling *Colleen C. Walling*
Region III ESAT RPO (3EA20)

TO : Ruth Scharr
Regional Project Manager (3HS31)

Attached is the organic data validation report for the Metro Container Corp. site (Case # 37753; SDG #C0090) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III EAID.

If you have any questions regarding this review, please call me at (410) 305-2763.

Attachment

cc: [REDACTED] (TTEMI)

TO File #: 0014

TDF#: 0932

OFFICE OF ANALYTICAL SERVICES AND QUALITY ASSURANCE



Lockheed Martin Enterprise Solutions & Services
ESAT Region 3
US EPA Environmental Science Center
701 Mapes Road Ft. Meade, MD 20755-530
Telephone 410-305-3037 Facsimile 410-305-3597

DATE: September 18, 2008

SUBJECT: Level M2 Organic Data Validation for Case 37753
SDG: C0090
Site: Metro Container Corporation

FROM: [REDACTED]
Organic Data Reviewer
[REDACTED]
Senior Oversight Chemist

TO: Colleen Walling
ESAT Region 3 Project Officer

OVERVIEW

Case 37753, Sample Delivery Group (SDG) C0090, consisted of sixteen (16) soil samples and (1) aqueous rinsate blank submitted to KAP Technologies, Inc. (KAP) for semivolatile, pesticide and aroclor analyses. Samples were analyzed according to Contract Laboratory Program (CLP) Statement of Work (SOW) SOM01.2 through the Routine Analytical Services (RAS) program.

SUMMARY

Data were validated according to Region 3 Innovative Approaches for Validation of Organic Data, Level M2. This level of review includes assessment of all Quality Assurance/Quality Control (QA/QC) data and review of chromatograms, but excludes review of raw data and sample spectra. Areas that may impact data usability are listed below.

MINOR PROBLEMS

- Semivolatile samples C00A4, C00A5, C00A8, C00A9, C00B0, C0097 and C0099 had recoveries of Deuterated Monitoring Compound (DMC) pyrene-d10 outside the lower Quality Control (QC) limit. Positive results associated with this DMC were qualified "L" unless superseded by "J" on the Data Summary Form (DSFs). Quantitation limits for compounds associated with these DMCs were qualified "UL" on the DSFs.

- Recoveries of surrogate Decachlorobiphenyl (DCB) were outside the upper QC limit on both columns in pesticide sample C0090 and aroclor samples C0090, C00A0, C00A5, and C00A9. Reported results in these samples were qualified "J" on the DSFs.
- Positive results for pesticide and aroclor compounds with percent differences (%Ds) greater than twenty-five percent (>25%) between the two analytical columns were qualified "J" on the DSFs.

NOTES

- Several compounds failed precision criteria [Percent Relative Standard Deviation (%RSD) and/or Percent Difference (%D)] in the semivolatile initial and/or continuing calibrations. No positive results were associated with these outliers. Precision did not exceed fifty percent (50%) criteria; therefore, quantitation limits were not qualified.
- bis(2-Ethylhexyl)phthalate was detected at a concentration of 39 J ug/Kg in the analysis of the semivolatile method blank (SBLK44). Semivolatile samples C0091, C0095, C0096, C0098, C00A4 and C00A9 had concentrations of this common laboratory contaminant less than ten times (<10X) the blank concentration and have been qualified "B" on the DSFs.
- Concentrations of several compounds in samples listed below exceeded the calibration range in the initial analyses. These samples were diluted and re-analyzed to bring the concentration of these compounds within the calibration range. Results for these compounds are reported from the diluted analyses and annotated with a (+) symbol on the DSFs by the reviewer.

<u>Fraction</u>	<u>Samples</u>	<u>Dilution Factor</u>	<u>Compounds</u>
SVOC	C00A8	4.0 X	Phenanthrene, Fluoranthene
Pesticide	C0090	3.0 X	4,4'-DDE
Aroclor	C0090	4.0 X	Aroclor-1248
	C00A1	2.0 X	Aroclor-1248
	C00A8	2.0 X	Aroclor-1268

- Semivolatile samples C00A1 had a recovery of DMC 4,6-dinitro-2-methylphenol-d2 outside the upper QC limit. 4,6-Dinitro-2-methylphenol, the only compound associated with this DMC, was non-detect; therefore, no data qualifying action was taken by the reviewer.
- All internal standard area counts were outside the upper control limits for initial calibration standard SSTD02025 (20 ug/L). No data were qualified based on these outliers.
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of pesticide sample C00A0 reported recoveries of all spike compounds were outside the upper control limits in both analyses on both columns. No data were qualified based on MS/MSD recoveries.

- Non-spiked compounds, other than blank contaminants, were reported in sample C0095 and the MS/MSD analyses of this sample. Results and precision estimates are listed below.

<u>Compound</u>	<u>C00A0</u>	<u>Concentration ($\mu\text{g}/\text{kg}$)</u>		<u>%RSD</u>
		<u>C00A0MS</u>	<u>C00A0MSD</u>	
aroclor-1248	120 J	230	240	34

%RSD = Percent Relative Standard Deviation

- Pesticide analysis of sample C00A8 reported high recoveries of DCB on both analytical columns. No positive results reported for this sample; therefore, no data qualified based on these outliers.
- The recovery of surrogate DCB was outside the upper QC limit on one (1) column in pesticide samples C00A0 and aroclor sample C00A1. No data were qualified based on single surrogate outliers in these samples.
- Pesticide and aroclor analyses of QC samples C00A0MS and C00A0MSD reported high recoveries of DCB on both analytical columns. No data were qualified based on these QC samples outliers.
- Aroclor analysis of sample C00A8 reported high recoveries of DCB on both analytical columns. Aroclor-1268 was the only positive result reported in this sample from dilution analysis, therefore; no data qualifying action was taken by data reviewer.
- Reported recoveries and Relative Percent Difference (%RPD) for MS/MSD in aroclor analysis were within QC limits.
- Reported recoveries for Laboratory Control Samples (LCS) in pesticide and aroclor analyses were within QC limits.
- A sample weight other than thirty (30) grams in the semivolatile, pesticide and aroclor analyses was used for samples associated with this case. Dilution factors reported on DSFs reflect actual sample weight used.
- Tentatively Identified Compounds (TICs) were reviewed during data validation. Compounds identified as blank contaminants were crossed off TIC Form Is by the reviewer. Several TICs were identified as the same target compounds at different retention time. Identification for these TICs was changed to "unknown" by the reviewer. TIC Form Is for samples in which TICs were identified are included in Appendix E.
- Compounds detected below Contract Required Quantitation Limits (CRQLs) were qualified "J" unless superseded by "B" on DSFs.

All data for Case 37753, SDG C0090, were reviewed in accordance with Region III Modifications to the National Functional Guidelines for Organic Data Review, September 1994.

ATTACHMENTS

- 1) Appendix A Glossary of Data Qualifier Terms
- 2) Appendix B Data Summary Forms
- 3) Appendix C Chain-of-Custody Records
- 4) Appendix D Laboratory Case Narrative
- 4) Appendix E Tentatively Identified Compounds (TICs)

DCN: 37753 – C0090

Appendix A

Glossary of Data Qualifier Codes

GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

CODES RELATED TO IDENTIFICATION

(confidence concerning presence or absence of compounds)

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

NO CODE = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unusable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present.
Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION

(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

NJ = Qualitative identification questionable due to poor resolution.
Presumptively present at approximate quantity.

Q = No analytical result.

Appendix B

Data Summary Forms

DATA SUMMARY FORM: BNA

Page 1 of 18

Case #: 37753

SDG : C0090

Number of Soil Samples : 16

Site :

METRO CONTAINER CORP

Number of Water Samples : 1

Lab. :

KAP

Sample Number :		C0090		C0091		C0095		C0096		C0097	
Sampling Location :		MC-SD-010		MC-SD-01A		MC-SD-03A		MC-SD-03B		MC-SD-04A	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/19/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008	
Time Sampled :		10:10		09:07		10:35		10:42		10:58	
%Moisture :		46		36		39		38		36	
Dilution Factor :		1.0		1.0		1.03		0.99		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170										
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170										
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170										
4-Methylphenol	170										
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170										
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170	93	J								
4-Chloroaniline	170										
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170	150	J							79	J
Hexachlorocyclopentadiene	170										
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170										
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170										
3-Nitroaniline	330										
Acenaphthene	170	170	J								

DATA SUMMARY FORM: BNA (Lab Results)

Page 2 of 18

Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C0090		C0091		C0095		C0096		C0097	
Sampling Location :		MC-SD-010		MC-SD-01A		MC-SD-03A		MC-SD-03B		MC-SD-04A	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/19/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008	
Time Sampled :		10:10		09:07		10:35		10:42		10:58	
%Moisture :		46		36		39		38		36	
Dilution Factor :		1.0		1.0		1.03		0.99		1.0	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330										
4-Nitrophenol	330										
Dibenzofuran	170										
2,4-Dinitrotoluene	170										
Diethylphthalate	170										
Fluorene	170										
4-Chlorophenyl-phenylether	170										
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330										
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170										
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330										
Phenanthrene	170			86	J	58	J			350	
Anthracene	170									60	J
Carbazole	170										
Di-n-butylphthalate	170										
Fluoranthene	170	780		160	J	84	J			380	L
Pyrene	170	1200		140	J	77	J			280	L
Butylbenzylphthalate	170									88	J
3,3'-Dichlorobenzidine	170										
Benzo(a)anthracene	170	360		94	J	61	J			230	J
Chrysene	170	710		120	J	81	J			270	L
Bis(2-ethylhexyl)phthalate	170	4200		310	B	280	B	93	B		
Di-n-octylphthalate	170										
Benzo(b)fluoranthene	170			96	J					200	J
Benzo(k)fluoranthene	170			93	J	64	J			200	J
Benzo(a)pyrene	170	560		110	J	75	J			250	J
Indeno(1,2,3-cd)pyrene	170	260	J	79	J	62	J			170	J
Dibenzo(a,h)anthracene	170			59	J						
Benzo(g,h,i)perylene	170	590		100	J	73	J			220	J
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100]

Revised 09/99

DATA SUMMARY FORM: BNA

Page 3 of 18

Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C0098		C0099		C00A0		C00A1		C00A2	
Sampling Location :		MC-SD-04B		MC-SD-05A		MC-SD-05B		MC-SD-06		MC-SD-07A	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008	
Time Sampled :		11:20		11:38		11:47		11:57		10:32	
%Moisture :		33		38		43		37		32	
Dilution Factor :		1.0		1.0		0.99		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170										
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170										
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170										
4-Methylphenol	170										
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170										
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170							110	J		
4-Chloroaniline	170										
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170			81	J			190	J		
Hexachlorocyclopentadiene	170										
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170										
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170										
3-Nitroaniline	330										
Acenaphthene	170										

AR103430

DATA SUMMARY FORM: BNA

Page 4 of 18

Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C0098		C0099		C00A0		C00A1		C00A2	
Sampling Location :		MC-SD-04B		MC-SD-05A		MC-SD-05B		MC-SD-06		MC-SD-07A	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/18/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008	
Time Sampled :		11:20		11:38		11:47		11:57		10:32	
%Moisture :		33		38		43		37		32	
Dilution Factor :		1.0		1.0		0.99		1.0		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330										
4-Nitrophenol	330										
Dibenzofuran	170										
2,4-Dinitrotoluene	170										
Diethylphthalate	170										
Fluorene	170										
4-Chlorophenyl-phenylether	170										
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330										
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170										
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330										
Phenanthrene	170			400		170	J			77	J
Anthracene	170			65	J						
Carbazole	170										
Di-n-butylphthalate	170										
Fluoranthene	170			420	L	220	J	1300		130	J
Pyrene	170			350	L	540		2600		110	J
Butylbenzylphthalate	170										
3,3'-Dichlorobenzidine	170										
Benzo(a)anthracene	170			270	J	290	J	1000		99	J
Chrysene	170			320	L	360		1200		100	J
Bis(2-ethylhexyl)phthalate	170	110	B	810							
Di-n-octylphthalate	170										
Benzo(b)fluoranthene	170			230	J	220	J	490		100	J
Benzo(k)fluoranthene	170			220	J	150	J	370		89	J
Benzo(a)pyrene	170			300		320		1200		97	J
Indeno(1,2,3-cd)pyrene	170			200	J	150	J	420		62	J
Dibenzo(a,h)anthracene	170					62	J				
Benzo(g,h,i)perylene	170			260	J	300		990		68	J
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100]

Revised 09/99

DATA SUMMARY FORM: BNA

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C00A3		C00A4		C00A5		C00A8		C00A9	
Sampling Location :		MC-SD-08A		MC-SD-08B		MC-SD-09		MC-SD-01B		MC-SD-02A	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/19/2008		8/19/2008		8/19/2008		8/18/2008		8/18/2008	
Time Sampled :		08:34		08:43		09:25		09:15		09:48	
%Moisture :		22		37		16		25		38	
Dilution Factor :		1.0		1.0		1.0		1.0/3.99		0.99	
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170										
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170										
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170										
4-Methylphenol	170										
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170										
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170							630			
4-Chloroaniline	170										
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170							450			
Hexachlorocyclopentadiene	170										
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170							110	J		
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170							240			
3-Nitroaniline	330										
Acenaphthene	170							1100			

DATA SUMMARY FORM: BNA (Lab Results)

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C00A3	C00A4	C00A5	C00A8	C00A9			
Sampling Location :		MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-01B	MC-SD-02A			
Matrix :		Soil	Soil	Soil	Soil	Soil			
Units :		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg			
Date Sampled :		8/19/2008	8/19/2008	8/19/2008	8/18/2008	8/18/2008			
Time Sampled :		08:34	08:43	09:25	09:15	09:48			
%Moisture :		22	37	16	25	38			
Dilution Factor :		1.0	1.0	1.0	1.0/3.99	0.99			
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330								
4-Nitrophenol	330								
Dibenzofuran	170					790			
2,4-Dinitrotoluene	170								
Diethylphthalate	170								
Fluorene	170					1300			
4-Chlorophenyl-phenylether	170								
4-Nitroaniline	330								
4,6-Dinitro-2-methylphenol	330								
N-Nitrosodiphenylamine	170								
1,2,4,5-Tetrachlorobenzene	170								
4-Bromophenyl-phenylether	170								
Hexachlorobenzene	170								
Atrazine	170								
Pentachlorophenol	330								
Phenanthrene	170			86	J	6500 +			
Anthracene	170					1200			
Carbazole	170					650			
Di-n-butylphthalate	170								
Fluoranthene	170		UL	72	J	6000 +		56	J
Pyrene	170		UL	90	J	3400	L		UL
Butylbenzylphthalate	170								
3,3'-Dichlorobenzidine	170								
Benzo(a)anthracene	170		UL	73	J	2800	L		UL
Chrysene	170		UL	100	J	2600	L		UL
Bis(2-ethylhexyl)phthalate	170	120	B			1500		140	B
Di-n-octylphthalate	170								
Benzo(b)fluoranthene	170			71	J	2300			
Benzo(k)fluoranthene	170			57	J	1500			
Benzo(a)pyrene	170			76	J	2000			
Indeno(1,2,3-cd)pyrene	170			67	J	1000			
Dibenzo(a,h)anthracene	170			44	J	690			
Benzo(g,h,i)perylene	170			110	J	1200			
2,3,4,6-Tetrachlorophenol	170								

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100]

Revised 09/99

"+" = Results are reported from diluted analyses.

DATA SUMMARY FORM: BNA

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :	C00B0										
Sampling Location :	MC-SD-02B										
Matrix :	Soil										
Units :	ug/Kg										
Date Sampled :	8/18/2008										
Time Sampled :	09:54										
%Moisture :	38										
Dilution Factor :	1.0										
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170										
Phenol	170										
Bis(2-chloroethyl)ether	170										
2-Chlorophenol	170										
2-Methylphenol	170										
2,2'-Oxybis(1-chloropropane)	170										
Acetophenone	170	85	J								
4-Methylphenol	170										
N-Nitroso-di-n-propylamine	170										
Hexachloroethane	170										
Nitrobenzene	170										
Isophorone	170										
2-Nitrophenol	170										
2,4-Dimethylphenol	170										
Bis(2-chloroethoxy)methane	170										
2,4-Dichlorophenol	170										
Naphthalene	170	210	J								
4-Chloroaniline	170										
Hexachlorobutadiene	170										
Caprolactam	170										
4-Chloro-3-methylphenol	170										
2-Methylnaphthalene	170	240	J								
Hexachlorocyclopentadiene	170										
2,4,6-Trichlorophenol	170										
2,4,5-Trichlorophenol	170										
1,1'-Biphenyl	170										
2-Chloronaphthalene	170										
2-Nitroaniline	330										
Dimethylphthalate	170										
2,6-Dinitrotoluene	170										
Acenaphthylene	170										
3-Nitroaniline	330										
Acenaphthene	170										

DATA SUMMARY FORM: BNA

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C00B0									
Sampling Location :		MC-SD-02B									
Matrix :		Soil									
Units :		ug/Kg									
Date Sampled :		8/18/2008									
Time Sampled :		09:54									
%Moisture :		38									
Dilution Factor :		1.0									
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330										
4-Nitrophenol	330										
Dibenzofuran	170										
2,4-Dinitrotoluene	170										
Diethylphthalate	170										
Fluorene	170										
4-Chlorophenyl-phenylether	170										
4-Nitroaniline	330										
4,6-Dinitro-2-methylphenol	330										
N-Nitrosodiphenylamine	170										
1,2,4,5-Tetrachlorobenzene	170										
4-Bromophenyl-phenylether	170										
Hexachlorobenzene	170										
Atrazine	170										
Pentachlorophenol	330										
Phenanthrene	170	350									
Anthracene	170										
Carbazole	170										
Di-n-butylphthalate	170										
Fluoranthene	170	250	J								
Pyrene	170	220	J								
Butylbenzylphthalate	170										
3,3'-Dichlorobenzidine	170										
Benzo(a)anthracene	170	180	J								
Chrysene	170	220	J								
Bis(2-ethylhexyl)phthalate	170										
Di-n-octylphthalate	170										
Benzo(b)fluoranthene	170	170	J								
Benzo(k)fluoranthene	170	160	J								
Benzo(a)pyrene	170	330									
Indeno(1,2,3-cd)pyrene	170	360									
Dibenzo(a,h)anthracene	170	290									
Benzo(g,h,i)perylene	170	850									
2,3,4,6-Tetrachlorophenol	170										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: $(CRQL * Dilution Factor) / [(100 - \%Moisture) / 100]$

Revised 09/99

DATA SUMMARY FORM: BNA

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab.:

KAP

Sample Number :		C00A7									
Sampling Location :		mc-rb-01									
Field QC:		Rinsate Blank									
Matrix :		Water									
Units :		ug/L									
Date Sampled :		8/18/2008									
Time Sampled :		13:20									
Dilution Factor :		1.0									
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	5.0										
Phenol	5.0										
Bis(2-chloroethyl)ether	5.0										
2-Chlorophenol	5.0										
2-Methylphenol	5.0										
2,2'-Oxybis(1-chloropropane)	5.0										
Acetophenone	5.0										
4-Methylphenol	5.0										
N-Nitroso-di-n-propylamine	5.0										
Hexachloroethane	5.0										
Nitrobenzene	5.0										
Isophorone	5.0										
2-Nitrophenol	5.0										
2,4-Dimethylphenol	5.0										
Bis(2-chloroethoxy)methane	5.0										
2,4-Dichlorophenol	5.0										
Naphthalene	5.0										
4-Chloroaniline	5.0										
Hexachlorobutadiene	5.0										
Caprolactam	5.0										
4-Chloro-3-methylphenol	5.0										
2-Methylnaphthalene	5.0										
Hexachlorocyclopentadiene	5.0										
2,4,6-Trichlorophenol	5.0										
2,4,5-Trichlorophenol	5.0										
1,1'-Biphenyl	5.0										
2-Chloronaphthalene	5.0										
2-Nitroaniline	10										
Dimethylphthalate	5.0										
2,6-Dinitrotoluene	5.0										
Acenaphthylene	5.0										
3-Nitroaniline	10										
Acenaphthene	5.0										

DATA SUMMARY FORM: BNA

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C00A7									
Sampling Location :		mc-rb-01									
Field QC:		Rinsate Blank									
Matrix :		Water									
Units :		ug/L									
Date Sampled :		8/18/2008									
Time Sampled :		13:20									
Dilution Factor :		1.0									
Semivolatile Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	10										
4-Nitrophenol	10										
Dibenzofuran	5.0										
2,4-Dinitrotoluene	5.0										
Diethylphthalate	5.0										
Fluorene	5.0										
4-Chlorophenyl-phenylether	5.0										
4-Nitroaniline	10										
4,6-Dinitro-2-methylphenol	10										
N-Nitrosodiphenylamine	5.0										
1,2,4,5-Tetrachlorobenzene	5.0										
4-Bromophenyl-phenylether	5.0										
*Hexachlorobenzene	5.0										
Atrazine	5.0										
*Pentachlorophenol	10										
Phenanthrene	5.0										
Anthracene	5.0										
Carbazole	5.0										
Di-n-butylphthalate	5.0										
Fluoranthene	5.0										
Pyrene	5.0										
Butylbenzylphthalate	5.0										
3,3'-Dichlorobenzidine	5.0										
Benzo(a)anthracene	5.0										
Chrysene	5.0										
Bis(2-ethylhexyl)phthalate	5.0	1.3	J								
Di-n-octylphthalate	5.0										
Benzo(b)fluoranthene	5.0										
Benzo(k)fluoranthene	5.0										
Benzo(a)pyrene	5.0										
Indeno(1,2,3-cd)pyrene	5.0										
Dibenzo(a,h)anthracene	5.0										
Benzo(g,h,i)perylene	5.0										
2,3,4,6-Tetrachlorophenol	5.0										

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: Pesticides

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Case #: 37753

SDG : C0090

Number of Soil Samples : 16

Site :

METRO CONTAINER CORP

Number of Water Samples : 1

Lab. :

KAP

Sample Number :		C0090		C0091		C0095		C0096		C0097	
Sampling Location :		MC-SD-010		MC-SD-01A		MC-SD-03A		MC-SD-03B		MC-SD-04A	
Matrix :		Soil		Soil		Soil		Soil		Soil	
Units :		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :		8/19/2008		8/18/2008		8/18/2008		8/18/2008		8/18/2008	
Time Sampled :		10:10		09:07		10:35		10:42		10:58	
%Moisture :		46		36		39		38		36	
Dilution Factor :		0.99/2.97		1.0		1.0		1.0		0.99	
Pesticide Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7	12	J								
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3	190 +								1.9	J
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3	34	J								
Endosulfan sulfate	3.3										
4,4'-DDT	3.3	44	J							1.8	J
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: $(CRQL * Dilution Factor) / [(100 - \%Moisture) / 100]$

Revised 09/99

"+" = Result is reported from diluted analysis.

DATA SUMMARY FORM: Pesticides

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C0098	C0099	C00A0	C00A1	C00A2					
Sampling Location :		MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	MC-SD-07A					
Matrix :		Soil	Soil	Soil	Soil	Soil					
Units :		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg					
Date Sampled :		8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008					
Time Sampled :		11:20	11:38	11:47	11:57	10:32					
%Moisture :		33	38	43	37	32					
Dilution Factor :		1.0	1.0	0.99	1.0	0.99					
Pesticide Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3			3.6	J	9.8	J	27			
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3			3.0	J	4.7	J			2.0	J
Endosulfan sulfate	3.3										
4,4'-DDT	3.3			3.3	J	5.2	J	18			
Methoxychlor	1.7										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor) / [(100 - %Moisture) / 100]

Revised 09/99

DATA SUMMARY FORM: Pesticides

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :		C00A3	C00A4	C00A5	C00A8	C00A9					
Sampling Location :		MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-01B	MC-SD-02A					
Matrix :		Soil	Soil	Soil	Soil	Soil					
Units :		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg					
Date Sampled :		8/19/2008	8/19/2008	8/19/2008	8/18/2008	8/18/2008					
Time Sampled :		08:34	08:43	09:25	09:15	09:48					
%Moisture :		22	37	16	25	38					
Dilution Factor :		1.0	1.0	1.0	0.99	1.0					
Pesticide Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3					5.0					
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3					3.0	J				
Endosulfan sulfate	3.3										
4,4'-DDT	3.3					3.3	J				
Methoxychlor	17										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: $(CRQL * Dilution Factor) / [(100 - \%Moisture) / 100]$

Revised 09/99

DATA SUMMARY FORM: Pesticides

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :	C00B0										
Sampling Location :	MC-SD-02B										
Matrix :	Soil										
Units :	ug/Kg										
Date Sampled :	8/18/2008										
Time Sampled :	09:54										
%Moisture :	38										
Dilution Factor :	1.0										
Pesticide Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7										
beta-BHC	1.7										
delta-BHC	1.7										
gamma-BHC (Lindane)	1.7										
Heptachlor	1.7										
Aldrin	1.7										
Heptachlor epoxide	1.7										
Endosulfan I	1.7										
Dieldrin	3.3										
4,4'-DDE	3.3										
Endrin	3.3										
Endosulfan II	3.3										
4,4'-DDD	3.3										
Endosulfan sulfate	3.3										
4,4'-DDT	3.3										
Methoxychlor	1.7										
Endrin ketone	3.3										
Endrin aldehyde	3.3										
alpha-Chlordane	1.7										
gamma-Chlordane	1.7										
Toxaphene	170										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: $(CRQL * Dilution Factor) / [(100 - \%Moisture) / 100]$

Revised 09/99

DATA SUMMARY FORM: Pesticides

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Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :	C00A7											
Sampling Location :	mc-rb-01											
Field QC :	Rinsate Blank											
Matrix :	Water											
Units :	ug/L											
Date Sampled :	8/18/2008											
Time Sampled :	13:20											
Dilution Factor :	1.0											
Pesticide Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Flag
alpha-BHC	0.050											
beta-BHC	0.050											
delta-BHC	0.050											
*gamma-BHC (Lindane)	0.050											
*Heptachlor	0.050											
Aldrin	0.050											
Heptachlor epoxide	0.050											
Endosulfan I	0.050											
Dieldrin	0.10											
4,4'-DDE	0.10											
*Endrin	0.10											
Endosulfan II	0.10											
4,4'-DDD	0.10											
Endosulfan sulfate	0.10											
4,4'-DDT	0.10											
*Methoxychlor	0.50											
Endrin ketone	0.10											
Endrin aldehyde	0.10											
alpha-Chlordane	0.050											
gamma-Chlordane	0.050											
*Toxaphene	5.0											

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

DATA SUMMARY FORM: Aroclor

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Case #: 37753

SDG : C0090

Number of Soil Samples : 16

Site :

METRO CONTAINER CORP

Number of Water Samples : 1

Lab. :

KAP

Sample Number :	C0090	C0091	C0095	C0096	C0097						
Sampling Location :	MC-SD-010	MC-SD-01A	MC-SD-03A	MC-SD-03B	MC-SD-04A						
Matrix :	Soil	Soil	Soil	Soil	Soil						
Units :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg						
Date Sampled :	8/19/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008						
Time Sampled :	10:10	09:07	10:35	10:42	10:58						
%Moisture :	46	36	39	38	36						
Dilution Factor :	1.0/4.0	1.0	1.0	0.99	1.0						
Aroclor Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	33										
Aroclor-1221	33										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33	1600 +									
Aroclor-1254	33										
Aroclor-1260	33	830	J							32	J
Aroclor-1262	33										
Aroclor-1268	33										

Sample Number :	C0098	C0099	C00A0	C00A1	C00A2						
Sampling Location :	MC-SD-04B	MC-SD-05A	MC-SD-05B	MC-SD-06	MC-SD-07A						
Matrix :	Soil	Soil	Soil	Soil	Soil						
Units :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg						
Date Sampled :	8/18/2008	8/18/2008	8/18/2008	8/18/2008	8/18/2008						
Time Sampled :	11:20	11:38	11:47	11:57	10:32						
%Moisture :	33	38	43	37	32						
Dilution Factor :	0.99	1.0	1.0	1.0/2.0	0.99						
Aroclor Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	33										
Aroclor-1221	33										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33			57	J	120	J	740 +	J	99	
Aroclor-1254	33										
Aroclor-1260	33			62		120	J	240	J	120	
Aroclor-1262	33										
Aroclor-1268	33										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: $(CRQL * Dilution Factor) / [(100 - \%Moisture) / 100]$

Revised 09/99

"+" = Results are reported from diluted analyses.

DATA SUMMARY FORM: Aroclor

Page 17 of 18

Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :	C00A3	C00A4	C00A5	C00A8	C00A9						
Sampling Location :	MC-SD-08A	MC-SD-08B	MC-SD-09	MC-SD-01B	MC-SD-02A						
Matrix :	Soil	Soil	Soil	Soil	Soil						
Units :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg						
Date Sampled :	8/19/2008	8/19/2008	8/19/2008	8/18/2008	8/18/2008						
Time Sampled :	08:34	08:43	09:25	09:15	09:48						
%Moisture :	22	37	16	25	38						
Dilution Factor :	1.0	1.0	1.0	1.0/2.0	1.0						
Aroclor Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	33										
Aroclor-1221	33										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33					82	J			52	J
Aroclor-1254	33										
Aroclor-1260	33	21	J			120	J			48	J
Aroclor-1262	33										
Aroclor-1268	33							560 +			

Sample Number :		C00B0									
Sampling Location :		MC-SD-02B									
Matrix :		Soil									
Units :		ug/Kg									
Date Sampled :		8/18/2008									
Time Sampled :		09:54									
%Moisture :		38									
Dilution Factor :		1.0									
Aroclor Compound	CRQL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	33										
Aroclor-1221	33										
Aroclor-1232	33										
Aroclor-1242	33										
Aroclor-1248	33										
Aroclor-1254	33										
Aroclor-1260	33										
Aroclor-1262	33										
Aroclor-1268	33										

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: $(CRQL * Dilution Factor) / [(100 - \%Moisture) / 100]$

Revised 09/99

"+" = Result IS reported from diluted analyses.

DATA SUMMARY FORM: Aroclor

Page 18 of 18

Case #: 37753

SDG : C0090

Site :

METRO CONTAINER CORP

Lab. :

KAP

Sample Number :	C00A7				
Sampling Location :	mc-rb-01				
Field QC :	Rinsate Blank				
Matrix :	Water				
Units :	ug/L				
Date Sampled :	8/18/2008				
Time Sampled :	13:20				
Dilution Factor :	1.0				
Aroclor Compound	CRQL	Result	Flag	Result	Flag
*Aroclor-1016	1.0				
*Aroclor-1221	1.0				
*Aroclor-1232	1.0				
*Aroclor-1242	1.0				
*Aroclor-1248	1.0				
*Aroclor-1254	1.0				
*Aroclor-1260	1.0				
*Aroclor-1262	1.0				
*Aroclor-1268	1.0				

CRQL = Contract Required Quantitation Limit

*Action Level Exists

SEE NARRATIVE FOR CODE DEFINITIONS

To calculate sample quantitation limits: (CRQL * Dilution Factor)

Revised 09/99

Appendix C
Chain-of-Custody Records



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 37753

DAS No:

R

Region: 3	Date Shipped: 8/20/2008	Chain of Custody Record	Sampler Signature: [Redacted]
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code: 2008 T 03W 302DC6C 032HRS00	Airbill: 860577265910	1 [Redacted] 8/20/08 1600	
CERCLIS ID: PAD044545895	Shipped to: KAP Technologies, Inc 9391 Grogans Mill Road, Suite-A2 The Woodlands TX 77380 (281) 367-0065	2	
Spill ID:		3	
Site Name/State: Metro Container/PA		4	
Project Leader:			
Action: Removal Action			
Sampling Co: Tetra Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C0090	Soil/Sediment/ [Redacted]	L/G	BNA/PEST (21)	244 (1)	MC-SD-010	S: 8/19/2008	10:10	MC0090	--
C0091	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	245 (1)	MC-SD-01A	S: 8/18/2008	9:07	MC0091	--
C0095	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	254 (1)	MC-SD-03A	S: 8/18/2008	10:35	MC0095	--
C0096	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	255 (1)	MC-SD-03B	S: 8/18/2008	10:42	MC0096	--
C0097	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	256 (1)	MC-SD-04A	S: 8/18/2008	10:58	MC0097	--
C0098	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	257 (1)	MC-SD-04B	S: 8/18/2008	11:20	MC0098	--
C0099	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	258 (1)	MC-SD-05A	S: 8/18/2008	11:38	MC0099	--
C00A0	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	259, 260 (2)	MC-SD-05B	S: 8/18/2008	11:47	MC00A0	--
C00A1	Soil/Sediment/ [Redacted]	L/G	BNA/PEST (21)	261 (1)	MC-SD-06	S: 8/18/2008	11:57	MC00A1	--
C00A2	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	262 (1)	MC-SD-07A	S: 8/18/2008	10:32	MC00A2	--
C00A3	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	263 (1)	MC-SD-08A	S: 8/19/2008	8:34	MC00A3	--

Shipment for Case Complete? YES	Sample(s) to be used for laboratory QC: MC-SD-05B (C00A0)	Additional Sampler Signature(s): [Redacted]	Chain of Custody Seal Number:
Analysis Key: BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? <input type="checkbox"/>

TR Number: 3-222665643-082008-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 37753

DAS No:

R

Region: 3	Date Shipped: 8/20/2008	Chain of Custody Record	Sampler Signature: [Redacted]
Project Code:	Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code: 2008 T 03W 302DC8C 032HRS00	Airbill: 860577265910	1 [Redacted] 8/20/08 16:00	
CERCLIS ID: PAD044545895	Shipped to: KAP Technologies, Inc 9391 Grogans Mill Road, Suite-A2 The Woodlands TX 77380 (281) 367-0065	2	
Split ID:		3	
Site Name/State: Metro Container/PA		4	
Project Leader: [Redacted]			
Action: Removal Action			
Sampling Co: Tetra Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
C00A4	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	264 (1)	MC-SD-08B	S: 8/19/2008	8:43	MC00A4	-
C00A5	Soil/Sediment/ [Redacted]	L/G	BNA/PEST (21)	265 (1)	MC-SD-09	S: 8/19/2008	9:25	MC00A5	-
C00A7	Field QC/ [Redacted]	L/G	BNA/PEST (21)	247, 248, 249, 250, 251 (5)	mc-rb-01	S: 8/18/2008	13:20	MC00A7	Rinsate
C00A8	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	246 (1)	MC-SD-01B	S: 8/18/2008	9:15	MC00A8	-
C00A9	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	252 (1)	MC-SD-02A	S: 8/18/2008	9:48	MC00A9	-
C00B0	Soil/Sediment/ [Redacted]	L/C	BNA/PEST (21)	253 (1)	MC-SD-02B	S: 8/18/2008	9:54	MC00B0	-

Shipment for Case Complete? Yes	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): [Redacted]	Chain of Custody Seal Number:
Analysis Key: BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment lead? _____

TR Number: 3-222665643-082008-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Conv to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax

F2V5.1.047 Page 2 of 2

08/27/2008 WED 17:24 [TX/RX NO 7326] 003

Aug 27 08 05:14p Donna Davies

610-488-0506

p.3

U.S. EPA Region III Analytical Request Form

Revision 10.06

ASQAB USE ONLY		
RAS#	CT4330	Analytical TAT
DAS#		14
NSF#		

37753

Date: 8/1/2008		Site Activity: RS Removal Site Evaluation	
Site Name: Metro Container Corp.		Street Address: 2nd And Price Streets	
City: Trainer	State: PA	Latitude: 39.82642	Longitude: -75.39903
Program: Superfund	Acct. #: 2008 T 03N 302DC6C 032HRS00	CERCLIS #: PAD044545895	
Site ID:	Spill ID: 032H	Operable Unit:	
Site Specific QA Plan Submitted: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		Title: SAP Metro Container	
		Date Approved: 8/1/2008	
EPA Project Leader: Ruth Scharr	Phone#: 215-814-3191	Cell Phone #:	E-mail: Scharr.ruth@epa.gov
Request Preparer: [REDACTED]	Phone#: [REDACTED]	Cell Phone #: [REDACTED]	E-mail: [REDACTED]@ttemi.com
Site Leader: [REDACTED]	Phone#: [REDACTED]	Cell Phone #: [REDACTED]	E-mail: [REDACTED]ttemi.com
Contractor: Tetra Tech EM, Inc.		EPA CO/PO: [REDACTED]	
#Samples 11	Matrix: sediment	Parameter: TCP Pest/PCB	Method: SOM01.2 28044, 28045
#Samples 11	Matrix: sediment	Parameter: TAL Metals, Hg	Method: ILM05.4 ICPAES & Hg 28046
#Samples 2	Matrix: water blank	Parameter: TCP Pest/PCB	Method: SOM01.2
#Samples 2	Matrix: water blank	Parameter: TAL Metals, Hg	Method: ILM05.4 ICPAES & Hg
#Samples 1	Matrix: water water	Parameter: BNA	Method: SOM01.2 28136
#Samples 11	Matrix: soil	Parameter: BNA	Method: 11
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
#Samples	Matrix:	Parameter:	Method:
Ship Date From: 8/11-14/2008		Ship Date To: 8/12-15/2008	Org. Validation Level M2
		Inorg. Validation Level IM2	
Unvalidated Data Requested: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes If Yes, TAT Needed: <input checked="" type="checkbox"/> 14days <input type="checkbox"/> 7days <input type="checkbox"/> 72hrs <input type="checkbox"/> 48hrs <input type="checkbox"/> 24hrs <input type="checkbox"/> Other (Specify) TAT: 60 - ESAI			
Validated Data Package Due: <input type="checkbox"/> 42 days <input checked="" type="checkbox"/> 30 days <input type="checkbox"/> 21days <input type="checkbox"/> 14 days <input type="checkbox"/> Other (Specify) 14/16			
Electronic Data Deliverables Required: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (EDDs will be provided in Region 3 EDD Format)			
Special Instructions: Saturday delivery may be necessary. See Attached for DLs needed.			

CLP SOW ILM05.4 TAL METALS FOR WATER SAMPLES (µg/L)					
ANALYTE	CAS Number	CRDL	ANALYTE	CAS Number	CRDL
ALUMINUM	7429905	200	MERCURY	7439976	0.2
ANTIMONY	7440360	60	NICKEL	7440020	40
ARSENIC	7440382	10	POTASSIUM	7440097	5000
BARIUM	7440393	200	SELENIUM	7782492	35
BERYLLIUM	7440417	5	SILVER	7440224	10
CADMIUM	7440439	5	SODIUM	7440235	5000
CALCIUM	7440702	5000	THALLIUM	7440280	25
CHROMIUM	7440473	10	VANADIUM	7440622	50
COBALT	7440484	50	ZINC	7440666	60
COPPER	7440508	25			
IRON	7439896	100			
LEAD	7439921	10			
MAGNESIUM	7439954	5000			
MANGANESE	7439965	15			

CLP SOW SOM01.2 PESTICIDE/PCB FOR WATER SAMPLES (ug/L)		
Pesticide Compound	CAS Number	CRQL
alpha-BHC	319846	0.05
beta-BHC	319857	0.05
delta-BHC	319868	0.05
gamma-BHC (Lindane)	58899	0.05
Heptachlor	76448	0.05
Aldrin	309002	0.05
Heptachlor epoxide	1024573	0.05
Endosulfan I	959988	0.05
Dieldrin	60571	0.10
1,1'-DDE	72559	0.10
Endrin	72208	0.10
Endosulfan II	33213659	0.10
4,4'-DDD	72548	0.10
Endosulfan sulfate	1031078	0.10
4,4'-DDT	50293	0.10
Methoxychlor	72435	0.10
Endrin ketone	53494705	0.10
Endrin aldehyde	7421934	0.10
alpha-Chlordane	5103719	0.05
gamma-Chlordane	5103742	0.05
Toxaphene	8001352	5.0
Aroclor-1016	12674112	1.0
Aroclor-1221	11104282	1.0
Aroclor-1232	11141165	1.0
Aroclor-1242	53469219	1.0
Aroclor-1248	12672296	1.0
Aroclor-1254	11097691	1.0
Aroclor-1260	11096825	1.0

CLP SOW SOM01.2. PESTICIDE/PCBS SOIL SAMPLES ug/Kg		
Pesticide/PCB Compound	CAS Number	CRQL
alpha-BHC	319846	1.7
beta-BHC	319857	1.7
delta-BHC	319868	1.7
gamma-BHC (Lindane)	58899	1.7
Heptachlor	76448	1.7
Aldrin	309002	1.7
Heptachlor epoxide	1024573	1.7
Endosulfan I	959988	1.7
Dieldrin	60571	3.3
4,4'-DDE	72559	3.3
Endrin	72208	3.3
Endosulfan II	33213659	3.3
4,4'-DDD	72548	3.3
Endosulfan sulfate	1031078	3.3
4,4'-DDT	50293	3.3
Methoxychlor	72435	17
Endrin ketone	53494705	3.3
Endrin aldehyde	7421934	3.3
alpha-Chlordane	5103719	1.7
gamma-Chlordane	5103742	1.7
Toxaphene	8001352	170
Aroclor-1016	12674112	33
Aroclor-1221	11104282	33
Aroclor-1232	11141165	33
Aroclor-1242	53469219	33
Aroclor-1248	12672296	33
Aroclor-1254	11097691	33
Aroclor-1260	11096825	33

CLP SOW ILM05.4 TAL METALS FOR SOIL SAMPLES (µg/kg)					
ANALYTE	CAS Number	CRDL	ANALYTE	CAS Number	CRDL
ALUMINUM	7429905	20	MERCURY	7439976	0.1
ANTIMONY	7440360	6	NICKEL	7440020	4
ARSENIC	7440382	1	POTASSIUM	7440097	500
BARIUM	7440393	20	SELENIUM	7782492	3.5
BERYLLIUM	7440417	0.5	SILVER	7440224	1
CADMIUM	7440439	0.5	SODIUM	7440235	500
CALCIUM	7440702	500	THALLIUM	7440280	2.5
CHROMIUM	7440473	1	VANADIUM	7440622	5
COBALT	7440484	5	ZINC	7440666	6
COPPER	7440508	2.5			
IRON	7439896	10			
LEAD	7439921	1			
MAGNESIUM	7439954	500			
MANGANESE	7439965	1.5			

Appendix D

Laboratory Case Narrative

Contract No. EPW05032

Case No. 37753

SDG No. C0090

SDG NARRATIVE

SAMPLE RECEIPT:

On 08/21/08 @ 09:40 A.M. - Received one cooler via FedEx with shipment number 860577265910. The cooler temperature was 1.9 °C.

The cooler contained the following samples for BNA, PEST and AROCLOR analyses.
The custody seals and the samples were intact.

EPA SAMPLE ID	pH	EPA SAMPLE ID	pH
C0090	NA	C00A3	NA
C0091	NA	C00A4	NA
C0095	NA	C00A5	NA
C0096	NA	C00A7	NA
C0097	NA	C00A8	NA
C0098	NA	C00A9	NA
C0099	NA	C00B0	NA
C00A0	NA	C00A8DL	NA
C00A1	NA		
C00A2	NA		

No problems were encountered during sample receiving and login.

As per scheduling this case is 14 day TAT, however on COC/TR listed as 21 day TAT. SMO was notified and the resolution is enclosed.

SEMIVOLATILES:

The soil samples were extracted on 08/23/08 using sonication method as per statement of work SOM1.2. The sample was cleaned by the GPC. No problems were encountered during the extraction and analysis.

The water samples were extracted on 08/21/08 using continuous Liquid/Liquid Extraction as per statement of work SOM 1.2. No problems were encountered during extraction and analysis.

0001

Contract No. EPW05032

Case No. 37753

SDG No. C0090

SDG NARRATIVE

The samples were analyzed on instrument F-5973 GC/MS using a 30 meters long RTX-5MS column having a 0.25mm ID and 0.25µm film thickness.

The sample C00A8 had the target compound concentrations above the calibration range and was analyzed using the dilution in order to bring the target compound concentrations with in the calibration range. Both the analyses were reported and are billable.

The formula used to calculate the Sample concentration:

SOIL SAMPLES:

$$\text{Concentration of Soil, Sediment sample ug/kg} = \frac{(A_x)(I_s)(V_t)(DF)(GPC)}{(A_{is})(RRF)(V_i)(W_s)(D)}$$

Where,

A_x = Area of the characteristic ion for the compound to be measured.

I_s = Area of the characteristic ion for the internal standard.

V_{in} = Amount of the internal standard injected I ng.

V_{out} = Volume of water extracted in mL.

V_t = Volume of concentrated extract in uL.

V_i = Volume of extract injected.

GPC = GPC cleaning Factor.

$D = \frac{100 - \% \text{moisture}}{100}$

W_s = Weight of sample extract.

RRF = Mean relative Response Factor determined from the initial calibration standard.

DF = Dilution Factor.

The formula used to calculate the Sample concentration:

WATER SAMPLES:

$$\text{Concentration ug/L} = \frac{(A_x)(I_s)(V_t)(DF)}{(A_{is})(RRF)(V_o)(V_i)}$$

Where,

A_x = Area of the characteristic ion for the compound to be measured.

A_{is} = Area of the characteristic ion for the internal standard.

I_s = Amount of internal standard injected in ng

V_o = Volume of water extracted in mL.

V_i = Volume of extract injected in uL.

RRF = Mean Relative Response Factor determined from the initial calibration Standard.

Manual Integrations

9082

Contract No. EPW05032

Case No. 37753

SDG No. C0090

SDG NARRATIVE

The software did not pick-up the following compounds and these compounds were manually integrated and the EICP is enclosed in the data package.

C0090 – Chrysene-d12
C0090 – Perylene-d12
C0090 – Fluoranthene
C0090 – bis(2-ethylhexyl)phthalate
C0090 – Benzo(a)anthracene
C0090 – Benzo(a)pyrene
C0090 – Indeno(1,2,3-c,d)pyrene
C0090 – Benzo(g,h,i)perylene
C0091 – Chrysene
C0091 – Pyrene
C0091 – Benzo(b)fluoranthene
C0091 – Benzo(k)fluoranthene
C0091 – Benzo(a)pyrene
C0095 – Pyrene
C0095 – Benzo(k)fluoranthene
C0097 – Perylene-d12
C0097 – Anthracene
C0097 – Chrysene
C0097 – Pyrene
C0097 – Benzo(b)fluoranthene
C0097 – Benzo(k)fluoranthene
C0097 – Benzo(a)pyrene
C0097 – Indeno(1,2,3-c,d)pyrene
C0098 – 4-Nitrophenol-d4
C0098 – 4, 6-Dinitro-2-methylphenol-d2
C0099 – Perylene-d12
C0099 – Anthracene
C0099 – Chrysene
C0099 – Pyrene
C0099 – Benzo(b)fluoranthene
C0099 – Benzo(k)fluoranthene
C0099 – Indeno(1,2,3-c,d)pyrene
C00A0 – Chrysene-d12
C00A0 – Perylene-d12
C00A0 – Fluoranthene
C00A0 – Benzo(a)anthracene
C00A0 – Chrysene
C00A0 – Pyrene
C00A0 – Indeno(1,2,3-c,d)pyrene
C00A1 – Naphthalene-d8
C00A1 – Chrysene-d12

Contract No. EPW05032

Case No. 37753

SDG No. C0090

SDG NARRATIVE

C00A1 – Perylene-d12
C00A1 – 2, 4-Dichlorophenol-d4
C00A1 – 4-Chloroaniline-d4
C00A1 – 4-Nitrophenol-d4
C00A1 – Anthracene-d10
C00A1 – Pyrene-d10
C00A1 – Benzo(a)pyrene-d12
C00A1 – Benzo(a)anthracene
C00A1 – Chrysene
C00A1 – Benzo(b)fluoranthene
C00A1 – Benzo(k)fluoranthene
C00A1 – Benzo(a)pyrene
C00A1 – Indeno(1,2,3-c,d)pyrene
C00A1 – Benzo(g,h,i)perylene
C00A2 – Perylene-d12
C00A2 – Anthracene-d10
C00A2 – Chrysene
C00A2 – Benzo(a)anthracene
C00A2 – Pyrene
C00A2 – Benzo(b)fluoranthene
C00A2 – Benzo(k)fluoranthene
C00A2 – Benzo(a)pyrene
C00A2 – Indeno(1,2,3-c,d)pyrene
C00A3 – Perylene-d12
C00A3 – Anthracene-d10
C00A5 – Perylene-d12
C00A5 – Chrysene
C00A5 – Pyrene
C00A5 – Benzo(b)fluoranthene
C00A5 – Benzo(k)fluoranthene
C00A5 – Benzo(a)pyrene
C00A5 – Indeno(1,2,3-c,d)pyrene
C00A8 – Chrysene-d12
C00A8 – Perylene-d12
C00A8 – Pyrene-d10
C00A8 – Anthracene
C00A8 – Fluoranthene
C00A8 – Chrysene
C00A8DL – Anthracene
C00A8DL – Pyrene
C00B0 – Perylene-d12
C00B0 – Pyrene
C00B0 – Benzo(b)fluoranthene
C00B0 – Benzo(k)fluoranthene
C00B0 – Benzo(a)pyrene

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SDG NARRATIVE

C00B0 – Indeno(1,2,3-c,d)pyrene
SSTD08092 – Phenol
SSTD08092 – Caprolactum
SSTD01092 – Phenol-d5
SSTD01092 – Caprolactum
SSTD01092 – 2-Nitroaniline
SSTD01092 – Dibenzofuran
SSTD00592 – 4-Methylphenol
SSTD00592 – Caprolactum
SSTD04092 – Caprolactum
SSTD02092 – Phenol-d5
SSTD02092 – 4-Methylphenol
SSTD02092 – 2-Nitroaniline
SSTD08026 – Caprolactum
SSTD08026 – Pyrene
SSTD08026 – Benzo(k)fluoranthene
SSTD01026 – 4-Nitrophenol-d4
SSTD01026 – Caprolactum
SSTD01026 – 2,4,5-Trichlorophenol
SSTD01026 – Pentachlorophenol
SSTD01026 – Benzo(b)fluoranthene
SSTD00526 – 2,4-Dichlorophenol-d4
SSTD00526 – 4-Chloroaniline-d4
SSTD00526 – 4-Nitrophenol-d4
SSTD00526 – 2,4-Dichlorophenol
SSTD00526 – 4-Chloroaniline
SSTD00526 – 2,4,5-Trichlorophenol
SSTD00526 – 4-Nitrophenol
SSTD00526 – Benzo(b)fluoranthene
SSTD02024 – 4-Nitrophenol-d4
SSTD02024 – 2,4-Dichlorophenol
SSTD02024 – 4-Nitrophenol
SSTD02024 – Pyrene
SSTD02024 – Benzo(b)fluoranthene
SSTD02025 – Pyrene
SSTD02025 – Benzo(k)fluoranthene
SSTD02028 – Perylene-d12
SSTD02028 – Chrysene
SSTD02028 – Benzo(k)fluoranthene
SSTD02031 – Benzo(k)fluoranthene
SSTD02032 – Benzo(k)fluoranthene

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SDG No. C0090

SDG NARRATIVE

PESTICIDES:

The Soil sample was extracted on 08/23/08 using sonication method as per statement of work SOM1.2. The soil sample was cleaned by GPC. After GPC clean up the extract was concentrated to a final volume of 5mL.

The water sample was extracted using separatory funnel extraction method on 08/25/08 as per statement of work SOM 1.2.

As per the SOW, one liter of water sample was extracted to an intermediary volume of 10ml.

No problems were encountered during extraction and sample analyses.

- 1) RTX – CLP2: 30m*0.53mmID*0.41um film thickness. (Primary Column)
- 2) RTX – CLP: 30m*0.53mmID*0.50um film thickness. (Confirmation Column)

A 1uL injection was used.

The sample C0090 had the target compound concentrations above the calibration range and was analyzed using the dilution in order to bring the target compound concentrations within the calibration range. Both the analyses were reported and are billable.

The formula used to calculate the Sample concentration:

SOIL SAMPLES:

$$\text{Concentration of Target compound in soil/sediment ug/kg} = \frac{(Ax)(Vt)(DF)(GPC)}{(CF)(Vt)(Ws)(D)}$$

Where,

Ax = Response of the compound to be measured.

CF = Mean calibration factor from the initial calibration (area/ng)

Vt = 5,000 uL.

Vi = Volume of extract injected.

Ws = Weight of sample extracted.

GPC = GPC Factor

DF = Dilution Factor

D = $\frac{100 - \% \text{moisture}}{100}$

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SDG NARRATIVE

The formula used to calculate the Sample concentration:

WATER SAMPLES:

$$\text{Concentration ug/L} = \frac{(A_x)(V_t)(DF)}{(CF)(V_o)(V_i)}$$

Where,

- A_x = Response of the compound to be measured.
- CF = Mean calibration factor from the initial calibration (area/ng)
- V_t = Volume of the concentrated extract (uL)
- V_i = Volume of extract injected.
- V_o = Volume of water extracted
- DF = Dilution Factor.

Manual Integrations

The software did not pick-up the following compounds and these compounds were manually integrated and the EICP is enclosed in the data package.

PEM11 – Decachlorobiphenyl
PEM72 – 4', 4'-DDD

AROCLORS:

The soil sample was extracted on 08/22/08 using sonication method as per statement of work SOM1.2.

The water sample was extracted using separatory funnel extraction method on 08/25/08 as per statement of work SOM 1.2.

No problems were encountered during extraction.

All samples were analyzed on a P-6890 GC using two columns manufactured by Restek
RTX – CLP2: 30m*0.53mmID*0.41um film thickness. (Primary Column)
RTX – CLP: 30m*0.53mmID*0.50um film thickness. (Confirmation Column)
A 1uL injection was used.

The formula used to calculate the Sample concentration:

SOIL SAMPLE:

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SDG NARRATIVE

$$\text{Concentration of Target compound in soil/sediment ug/kg} = \frac{(Ax)(Vt)(DF)}{(CF)(Vt)(Ws)(D)}$$

Ax = Response of the compound to be measured.

CF = Mean calibration factor from the initial calibration (area/ng)

Vt = 10,000 uL.

Vi = Volume of extract injected.

Ws = Weight of sample extracted.

$$D = \frac{100 - \% \text{moisture}}{100}$$

DF = Dilution Factor.

The formula used to calculate the Sample concentration:

WATER SAMPLES:

$$\text{Concentration of the sample ug/L} = \frac{(Ax)(Vt)(DF)}{(CF)(Vo)(Vi)}$$

Where,

Ax = Response of the compound to be measured.

CF = Mean calibration factor from the initial calibration (area/ng)

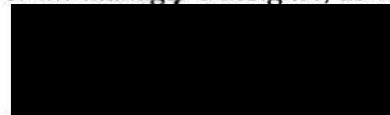
Vt = Volume of the concentrated extract (uL)

Vi = Volume of extract injected.

Vo = Volume of water extracted

DF = Dilution Factor.

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 above. Release of the data contained in this hard copy sample data package and in the electronic data deliverable has been authorized by the laboratory manager or the manager's designee, as verified by the following signature:



Signature/Title

05/03/08

Date of Signature

Appendix E

Tentatively Identified Compounds (TICs)