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May 15, 2015

Raymond R. Holberger  
City of New Bedford  
Department of Environmental Stewardship  
133 William Street  
New Bedford, Massachusetts 02740

**Subject: LTMMIP Wetland Sediment Monitoring – Spring 2015  
Keith Middle School  
New Bedford, Massachusetts**

Dear Mr. Holberger:

This letter provides the results of annual wetland sediment monitoring for the Keith Middle School (KMS) located at 225 Hathaway Boulevard in New Bedford, Massachusetts (see Figure 1). TRC conducted the sediment sampling in accordance with the Revised Long-Term Monitoring and Maintenance Implementation Plan, Revision 5.5 (LTMMIP) for KMS dated August 2012, with modifications as described herein.

A TRC field scientist conducted the LTMMIP wetland sediment sampling on April 20, 2015. For the annual sediment monitoring, the LTMMIP calls for the collection of four randomly selected wetland sediment samples from locations abutting the cap slope per the sediment sampling protocol in Appendix G of the LTMMIP.

Consistent with annual sediment sampling conducted in accordance with the LTMMIP since May 2010, following verbal approval from EPA, the April 2015 monitoring event made use of a random number generator to select three of the four sample locations within the southern portion of the wetland (i.e., south of the Summit Street land bridge). A grid, with a width extending out approximately 10 feet perpendicular to the toe of the cap slope, was placed parallel to the wetland/embankment edge as documented on the December 11, 2006 As-Built Plan of Land prepared on behalf of BETA by Land Planning, Incorporated (Land Planning), of Hanson Massachusetts and presented in the BETA-prepared December 2006 *Final Completion and Inspection Report* (BETA, 2006b). The sample locations corresponded to randomly generated lengths (measured from south to north beginning at the southern wetland limit) parallel to the cap slope and widths (measured out perpendicular to the cap slope) as depicted in Figure 2 and listed in the following table:

<b>Table Randomly Generated Sample Locations</b>		
<b>Sample Location</b>	<b>Length (feet)</b>	<b>Width (feet)</b>
Location #1 (SED-KMS-26)	50	8
Location #2 (SED-KMS-27)	105	4
Location #3 (SED-KMS-29)	330	3

Consistent with prior annual sampling events, the fourth sample (KMS-SED-28) was collected from a biased location at the bottom of the slope in the vicinity of the repaired KMS Site cap slope failure along the southern portion of the wetland. The biased sample was collected to evaluate the potential for impacts to sediment associated with the 2007 slope failure.<sup>1</sup>

All samples were collected using hand tools and were collected from a depth of 0 to 6 inches below the top of the sediment surface. Samples were analyzed for PCB Aroclors via SW-846 Method 8082 by Pace Analytical Services, Incorporated (Pace) of Schenectady, New York. The approximate sample locations are illustrated on Figure 2 and in the photograph log presented in Attachment 1. The samples were designated as follows:

- SED-KMS-26
- SED-KMS-27 (Duplicate collected)
- SED-KMS-28 (Biased sample collected in vicinity of repaired slope failure)
- SED-KMS-29

Final data validation of the laboratory data was completed on May 15, 2015 by TRC's senior quality assurance chemist. A copy of the data package is included as Attachment 2. All five (5) samples, including the duplicate sample, were non-detect for PCB Aroclors (see Table 1). Pursuant to the EPA approved LTMMIP, further assessment is not required.

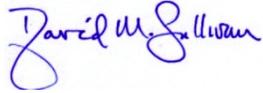
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<sup>1</sup> In the spring of 2007, a slope failure occurred on the steep slope above the wetland near the southwestern corner of the Site. The area measured approximately 7 feet by 8 feet where the topsoil has slumped to the bottom of the slope. The black separation fabric that demarcates the underlying impacted fill from the clean imported fill was not exposed; however, a small (approximately 3 to 4 inch) piece of the orange warning layer was visible in the top left quadrant of the damaged area (when viewed from the wetland). TRC oversaw final repair of the failed slope on October 30, 2008. The repair consisted of lining the damaged area with an 8-ounce non-woven geotextile fabric and covering the fabric with stone (rip-rap) up to local grade to restore the protective cap thickness and allow flow of storm water through the slope in this area without pressure buildup. The rip-rap is intended to allow free drainage of water and be more resistant to the erosive force of storm water overland run off.

Mr. Raymond Holberger  
May 15, 2015  
Page 3

If you have any questions concerning this report, please do not hesitate to contact me at 978-656-3565 or via e-mail at [dsullivan@trcsolutions.com](mailto:dsullivan@trcsolutions.com).

Sincerely,



David M. Sullivan, LSP  
Senior Project Manager

Attachments

# TABLE

Table 1  
 Summary of Analytical Results for Sediment Samples  
 April 2015  
 Keith Middle School  
 New Bedford, Massachusetts

Analysis	Analyte	Sample ID:						SED-KMS-26	SED-KMS-27		SED-KMS-28	SED-KMS-29
		Sample Depth (ft.):						0-0.5	0-0.5	0-0.5	0-0.5	
		Sample Date:						4/20/2015	4/20/2015	4/20/2015	4/20/2015	
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	TSCA	Field Dup				
<b>PCBs</b> (mg/kg)	Aroclor 1016	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ
	Aroclor 1221	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ
	Aroclor 1232	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ
	Aroclor 1242	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ
	Aroclor 1248	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ
	Aroclor 1254	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ
	Aroclor 1260	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ
	Total PCBs	1	1	4	4	1	1	0.390 UJ	0.488 UJ	0.452 UJ	0.292 UJ	0.376 UJ

**Notes:**

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detected.

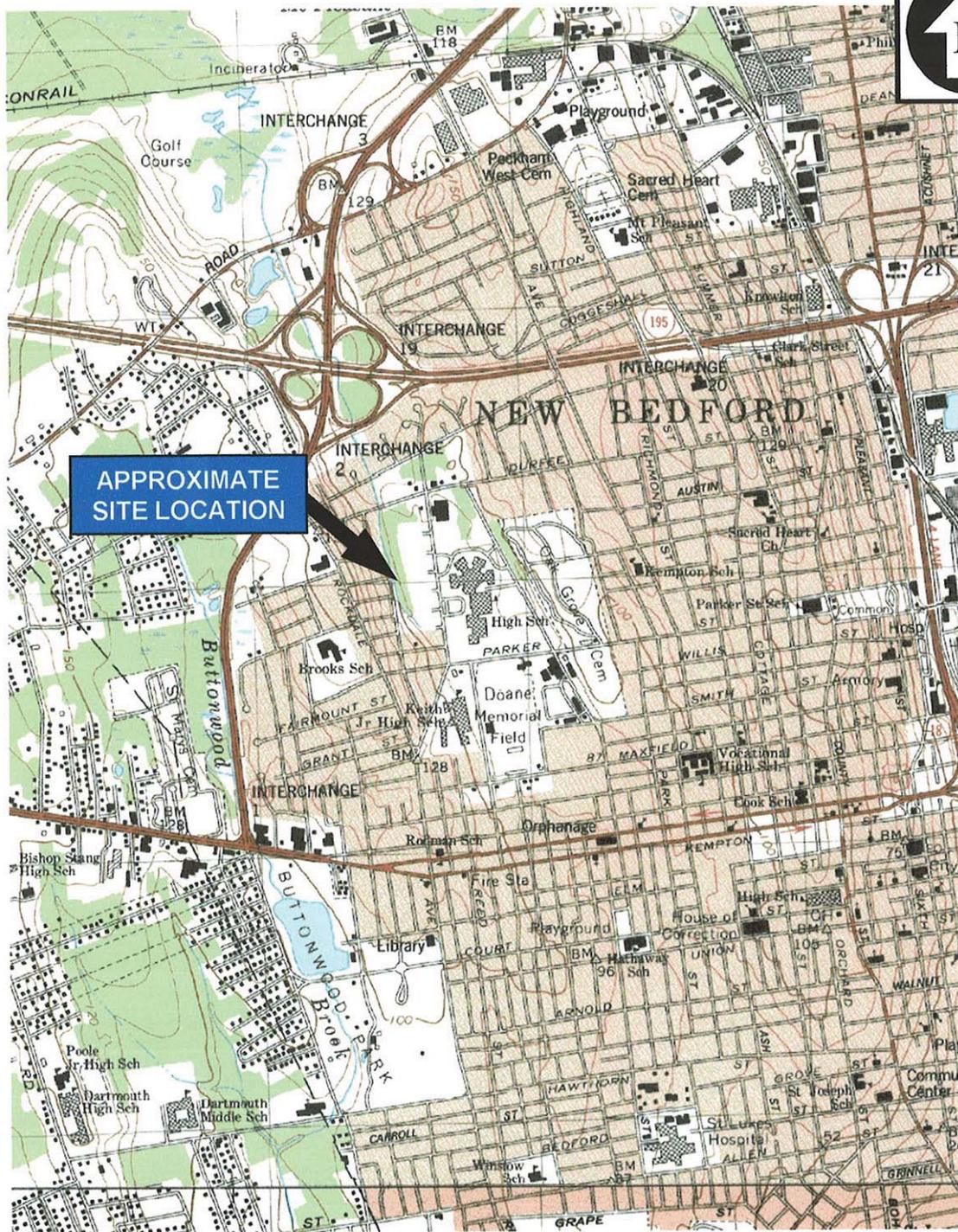
PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

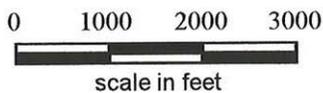
\* - For reference purposes only.

# FIGURES



**APPROXIMATE  
SITE LOCATION**

BASE MAP IS A PORTION OF THE FOLLOWING 7.5' X 15' USGS  
TOPOGRAPHIC QUADRANGLES: NEW BEDFORD NORTH, MA, 1979;  
NEW BEDFORD SOUTH, MA 1977



QUADRANGLE  
LOCATION

**KEITH MIDDLE SCHOOL WETLAND  
PCB CONTAMINATED SEDIMENTS  
NEW BEDFORD, MASSACHUSETTS**

**SITE LOCATION MAP**



Wannalancit Mills  
650 Suffolk Street  
Lowell, MA 01854  
978-970-5600

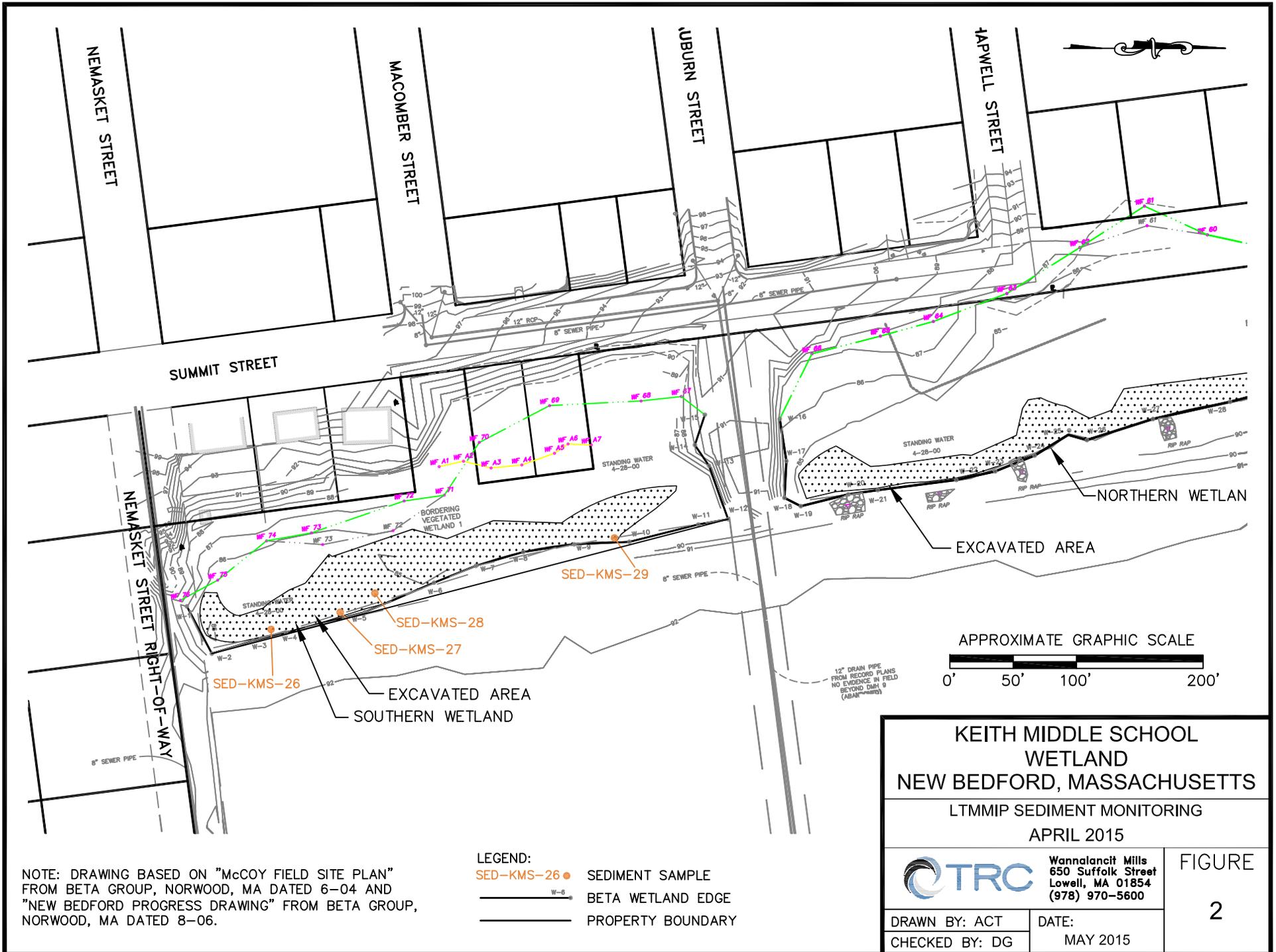
**FIGURE  
1**

Drawn: HWB

SCALE: AS SHOWN

Checked: DS

Date: JULY 2008



**Attachment 1**

**Site Photographs**

**SITE PHOTOGRAPHS**  
**LTMMIP Wetland Sediment Monitoring – April 20, 2015**  
**Keith Middle School**  
**New Bedford, Massachusetts**



**1) Location SED-KMS-26 (viewed to the west from the toe of the cap slope).**



**2) Location SED-KMS-27 (viewed to the northwest from the toe of the cap slope).**

**SITE PHOTOGRAPHS**  
**LTMMP Wetland Sediment Monitoring – April 20, 2015**  
**Keith Middle School**  
**New Bedford, Massachusetts**



**3) Location SED-KMS-28 (viewed to the east toward the cap slope).**



**4) Location SED-KMS-29 (viewed to the west from the cap slope).**

**Attachment 2**

**Laboratory Data Package**

***Pace Analytical e-Report***

**\*Issuance of this report is prior to full data package.**

**Report prepared for:**

TRC ENVIRONMENTAL  
WANNALANCIT MILLS  
650 SUFFOLK ST  
LOWELL, MA 01854  
CONTACT: DAVID SULLIVAN

-----  
**Project ID:** KMS-NB 223832

**Sampling Date(s):** April 20, 2015

**Lab Report ID:** 15040321

**Client Service Contact:** Chelsea Farmer (518) 346-4592 ext. 3843

-----  
**Analysis Included:**

PCB Analysis (Water)

PCB Analysis (Solid)

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within the document relate only to the samples included in this report. Pace Analytical is responsible only for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.



Roy Smith  
Technical Director



Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337),  
Massachusetts (M-NY906), Virginia (1884)

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1

2

3

4

5

6

# QUALIFIERS

## **Definitions**

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted outside the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be re-analyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).

MDL – Method Detection Limit. Denotes lowest analyte concentration observable for the sample based on statistical study.

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

PQL – Practical Quantitation Limit. Denotes lowest analyte concentration reportable for the sample.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

\* - Value not within control limits.

# SAMPLE CHAIN OF CUSTODY

Original CoC damaged by being taped to top of cooler.

**CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<15040321P1>



Page: 1 of 1  
1849364

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: <u>TRE Environmental</u>		Report To: <u>Dave Sullivan</u>		Attention:	
Address: <u>1050 Suffolk St</u> <u>Lowell MA 01854</u>		Copy To: <u>Dave Gill</u>		Company Name:	
Email To: <u>Dave Sullivan</u>		Purchase Order No.: <u>79774 (Soil)/79732 (Water)</u>		Address:	
Phone: <u>978-970-5100</u> Fax:		Project Name: <u>KMS</u>		Pace Quote Reference:	
Requested Due Date/TAT: <u>2-day</u>		Project Number: <u>723832</u>		Pace Project Manager:	
				Pace Profile #:	
				<b>REGULATORY AGENCY</b>	
				<input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER	
				<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER <u>MAWA</u>	
				<b>Site Location</b>	
				STATE: _____	

ITEM #	Section D) Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ PCBs (8082)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol				Other
					DATE	TIME	DATE	TIME													
1	KMS-Seed-26		SL	G	4/21/15	1325			1	X									AS07755		
2	KMS-Seed-27		SL	G		1336			1	X									AS07756		
3	DUP-1		SL	G		1436			1	X									AS07757		
4	KMS-Seed-28		SL	G		1340			1	X									AS07758		
5	KMS-Seed-29		SL	G		1348			1	X									AS07759		
6	MW-1		WT	G		0958			6	X								MS/MSD	AS07760		
7	MW-2		WT	G		1205			2	X									AS07761		
8	MW-3		WT	G		1445			2	X									AS07762		
9	DUP-1		WT	G		1545			2	X									AS07763		
10																					
11																					
12																					

ADDITIONAL COMMENTS	REINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
0.5 mg/L RL for PCBs Per project specific reqmts prev. documented w/ PACE chromatographs w/ samples w/ ND need to be analyzed. Please review reqmts and contact analyst	VIA FED EX →	4/21/15	1325	VIA FED EX → J. Duffy (PACE)	4/22/15	09:25	1.0 iced? Y CoC sent? Y Intact? Y

Sample Condition Upon Receipt

<15040321P2>



CLIENT NAME: TRC-DS  
PROJECT: KMS 223832

COURIER: FedEx  UPS  Client  Pace  Other   
TRACKING # 9075 2457 1482  
PACKING MATERIAL: Bubble Wrap  Bubble Bags  None  Other   
THERMOMETER USED: #164  IR Gun 03  #122087967   
BIOLOGICAL TISSUE IS FROZEN: Yes  No  N/A

CUSTODY SEAL PRESENT: Yes  No  INTACT: Yes  No  N/A   
ICE USED: Wet  Blue  None   
COOLER TEMPERATURE (°C): 1.0  
Temp should be above freezing to 6°C

COMMENTS:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	1. Original CoC damaged: taped to cooler by client. Copy made.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	3.
Sampler Name / Signature on COC:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	4. Original CoC damaged: sampler signature unknown.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. 1 week
Sufficient Volume:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	11. <input checked="" type="checkbox"/> N/A
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12.
- Includes date/time/ID/Analysis			
All containers needing preservation have been checked:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	13. <input checked="" type="checkbox"/> N/A
All containers needing preservation are in compliance with EPA recommendation:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
- Exceptions that are not checked: VOA			Initial when completed: <u>NA</u> Lot # of added preservative: <u>NA</u>
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No	14. <input checked="" type="checkbox"/> N/A
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	15. <input checked="" type="checkbox"/> N/A
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Pace Trip Blank Lot #: <u>NA</u>			

Sample Receipt form filled in: AW 4/22/15

Line-Out (Includes Copying Shipping Documents and verifying sample pH):  
Log In (Includes notifying PM of any discrepancies and documenting in LIMS):  
Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook):

AW 4/22/15  
ASB 4/22/15  
AW 4/22/15

# SAMPLE RECEIPT



# SAMPLE RECEIPT REPORT

## 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**CLIENT:** TRC ENVIRONMENTAL  
**PROJECT:** KMS-NB 223832  
**LRF:** 15040321  
**REPORT:** CLP-LIKE FORMS  
**EDD:** YES  
**LRF TAT:** 1 WEEK

**RECEIVED DATE:** 04/22/2015 09:25  
**SHIPPED VIA:** FEDEX  
**SHIPPING ID:** 8075 2457 1482  
**NUMBER OF COOLERS:** 1  
**CUSTODY SEAL INTACT:** YES  
**COOLER STATUS:** CHILLED  
**TEMPERATURE(S):** 5.0 °C  
**SAMPLE SEALS INTACT:** NA  
**SAMPLES PRESERVED PER METHOD GUIDANCE:** YES  
**SAMPLES REC'D IN HOLDTIME:** YES  
**DISPOSAL:** BY LAB (45 DAYS)  
**COC DISCREPANCY:** NO

**COMMENTS:**  
ORIGINAL COC WAS TAPED TO TOP OF COOLER BY CLIENT. A COPY WAS MADE TO USE AS "ORIGINAL" AS ORIGINAL WAS TOO DAMAGED TO USE.

CLIENT ID (LAB ID)	TAT-DUE Date <sup>4</sup>	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
KMS-SED-26 (AS07755)	1 WEEK 04-29-15	04/20/2015 13:25	Soil	EPA 8082A	PCB Analysis (Solid)	
KMS-SED-27 (AS07756)	1 WEEK 04-29-15	04/20/2015 13:36	Soil	EPA 8082A	PCB Analysis (Solid)	
DUP-1 (AS07757)	1 WEEK 04-29-15	04/20/2015 14:36	Soil	EPA 8082A	PCB Analysis (Solid)	
KMS-SED-28 (AS07758)	1 WEEK 04-29-15	04/20/2015 13:40	Soil	EPA 8082A	PCB Analysis (Solid)	
KMS-SED-29 (AS07759)	1 WEEK 04-29-15	04/20/2015 13:48	Soil	EPA 8082A	PCB Analysis (Solid)	
MW-1 (AS07760)	1 WEEK 04-29-15	04/20/2015 09:58	Water	EPA 8082A	PCB Analysis (Water)	MS, MSD
MW-2 (AS07761)	1 WEEK 04-29-15	04/20/2015 12:05	Water	EPA 8082A	PCB Analysis (Water)	
MW-3 (AS07762)	1 WEEK 04-29-15	04/20/2015 14:45	Water	EPA 8082A	PCB Analysis (Water)	
DUP-1 (AS07763)	1 WEEK 04-29-15	04/20/2015 15:45	Water	EPA 8082A	PCB Analysis (Water)	

<sup>1</sup>The pH preservation check of Oil and Grease (Method 1664) and Total Organic Carbon (Method 5310B) are performed as soon as possible after sample receipt and may not be included in this report.  
<sup>2</sup>The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.  
<sup>3</sup>Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.  
<sup>4</sup>Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made. The due date represents the date the lab report is expected to be completed on or before 5:00 pm (EST) for the date specified.  
<sup>5</sup>All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice. Control limits are between 0-6 Degrees Celsius. Control limits do not apply for metals analysis.  
<sup>6</sup>Samples requesting analysis for Orthophosphate (SM 4500-P E-99,-11) require the samples to be filtered in the field within 15 minutes of the sampling event. Samples that are received unfiltered will be noted as not method compliant on the Certificates of Analysis.

### Reporting Parameters and Lists

EPA 8082A - PCB Analysis (Solid) - (ug/g)

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260
- Total PCB Amount > RL

EPA 8082A - PCB Analysis (Water) - (ug/L)

- Aroclor 1016
- Aroclor 1221
- Aroclor 1232
- Aroclor 1242
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260
- Total PCB Amount

# GC - PCB



# Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

<b>Client:</b> TRC ENVIRONMENTAL	<b>Collection Date:</b> 04/20/2015 13:25
<b>Project:</b> KMS-NB 223832	<b>Sample Matrix:</b> SOIL
<b>Client Sample ID:</b> KMS-SED-26	<b>Received Date:</b> 04/22/2015 09:25
<b>Lab Sample ID:</b> 15040321-01 (AS07755)	<b>Percent Solid:</b> 12.3 - Results are based on dry weight unless otherwise noted.

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1: GC20F-2171-32	SW-846 8082A (PCB)	04/28/2015 19:09	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1: 30546	EPA 3545A	04/28/2015 08:31	LMB	10.4 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.390	1.00	U	GC20F-2171-32
Aroclor 1221	11104-28-2	ND	0.390	1.00	U	GC20F-2171-32
Aroclor 1232	11141-16-5	ND	0.390	1.00	U	GC20F-2171-32
Aroclor 1242	53469-21-9	ND	0.390	1.00	U	GC20F-2171-32
Aroclor 1248	12672-29-6	ND	0.390	1.00	U	GC20F-2171-32
Aroclor 1254	11097-69-1	ND	0.390	1.00	U	GC20F-2171-32
Aroclor 1260	11096-82-5	ND	0.390	1.00	U	GC20F-2171-32
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-2171-32

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	79.0	47.0-123		GC20F-2171-32
Decachlorobiphenyl	2051-24-3	92.9	35.0-153		GC20F-2171-32
Tetrachloro-meta-xylene	877-09-8	86.7	47.0-123		GC20B-2170-32
Decachlorobiphenyl	2051-24-3	88.2	35.0-153		GC20B-2170-32

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



# Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

<b>Client:</b> TRC ENVIRONMENTAL	<b>Collection Date:</b> 04/20/2015 13:36
<b>Project:</b> KMS-NB 223832	<b>Sample Matrix:</b> SOIL
<b>Client Sample ID:</b> KMS-SED-27	<b>Received Date:</b> 04/22/2015 09:25
<b>Lab Sample ID:</b> 15040321-02 (AS07756)	<b>Percent Solid:</b> 9.90 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-2171-33	SW-846 8082A (PCB)	04/28/2015 19:21	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30546	EPA 3545A	04/28/2015 10:35	LMB	10.4 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.488	1.00	U	GC20F-2171-33
Aroclor 1221	11104-28-2	ND	0.488	1.00	U	GC20F-2171-33
Aroclor 1232	11141-16-5	ND	0.488	1.00	U	GC20F-2171-33
Aroclor 1242	53469-21-9	ND	0.488	1.00	U	GC20F-2171-33
Aroclor 1248	12672-29-6	ND	0.488	1.00	U	GC20F-2171-33
Aroclor 1254	11097-69-1	ND	0.488	1.00	U	GC20F-2171-33
Aroclor 1260	11096-82-5	ND	0.488	1.00	U	GC20F-2171-33
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-2171-33

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	66.8	47.0-123		GC20F-2171-33
Decachlorobiphenyl	2051-24-3	81.4	35.0-153		GC20F-2171-33
Tetrachloro-meta-xylene	877-09-8	71.0	47.0-123		GC20B-2170-33
Decachlorobiphenyl	2051-24-3	83.6	35.0-153		GC20B-2170-33

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



## Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL

**Project:** KMS-NB 223832

**Client Sample ID:** DUP-1

**Lab Sample ID:** 15040321-03 (AS07757)

**Collection Date:** 04/20/2015 14:36

**Sample Matrix:** SOIL

**Received Date:** 04/22/2015 09:25

**Percent Solid:** 10.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-2171-34	SW-846 8082A (PCB)	04/28/2015 19:34	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30546	EPA 3545A	04/28/2015 10:38	LMB	10.4 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.452	1.00	U	GC20F-2171-34
Aroclor 1221	11104-28-2	ND	0.452	1.00	U	GC20F-2171-34
Aroclor 1232	11141-16-5	ND	0.452	1.00	U	GC20F-2171-34
Aroclor 1242	53469-21-9	ND	0.452	1.00	U	GC20F-2171-34
Aroclor 1248	12672-29-6	ND	0.452	1.00	U	GC20F-2171-34
Aroclor 1254	11097-69-1	ND	0.452	1.00	U	GC20F-2171-34
Aroclor 1260	11096-82-5	ND	0.452	1.00	U	GC20F-2171-34
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-2171-34

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	69.9	47.0-123		GC20F-2171-34
Decachlorobiphenyl	2051-24-3	88.9	35.0-153		GC20F-2171-34
Tetrachloro-meta-xylene	877-09-8	75.5	47.0-123		GC20B-2170-34
Decachlorobiphenyl	2051-24-3	85.9	35.0-153		GC20B-2170-34

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



# Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

<b>Client:</b> TRC ENVIRONMENTAL	<b>Collection Date:</b> 04/20/2015 13:40
<b>Project:</b> KMS-NB 223832	<b>Sample Matrix:</b> SOIL
<b>Client Sample ID:</b> KMS-SED-28	<b>Received Date:</b> 04/22/2015 09:25
<b>Lab Sample ID:</b> 15040321-04 (AS07758)	<b>Percent Solid:</b> 16.4 - Results are based on dry weight unless otherwise noted.

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1: GC20F-2171-35	SW-846 8082A (PCB)	04/28/2015 19:46	AMR	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1: 30546	EPA 3545A	04/28/2015 10:41	LMB	10.4 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.292	1.00	U	GC20F-2171-35
Aroclor 1221	11104-28-2	ND	0.292	1.00	U	GC20F-2171-35
Aroclor 1232	11141-16-5	ND	0.292	1.00	U	GC20F-2171-35
Aroclor 1242	53469-21-9	ND	0.292	1.00	U	GC20F-2171-35
Aroclor 1248	12672-29-6	ND	0.292	1.00	U	GC20F-2171-35
Aroclor 1254	11097-69-1	ND	0.292	1.00	U	GC20F-2171-35
Aroclor 1260	11096-82-5	ND	0.292	1.00	U	GC20F-2171-35
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-2171-35

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	75.7	47.0-123		GC20F-2171-35
Decachlorobiphenyl	2051-24-3	97.2	35.0-153		GC20F-2171-35
Tetrachloro-meta-xylene	877-09-8	81.3	47.0-123		GC20B-2170-35
Decachlorobiphenyl	2051-24-3	91.4	35.0-153		GC20B-2170-35

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



# Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

<b>Client:</b> TRC ENVIRONMENTAL	<b>Collection Date:</b> 04/20/2015 13:48
<b>Project:</b> KMS-NB 223832	<b>Sample Matrix:</b> SOIL
<b>Client Sample ID:</b> KMS-SED-29	<b>Received Date:</b> 04/22/2015 09:25
<b>Lab Sample ID:</b> 15040321-05 (AS07759)	<b>Percent Solid:</b> 12.8 - Results are based on dry weight unless otherwise noted.

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1: GC20F-2171-36	SW-846 8082A (PCB)	04/28/2015 19:59	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1: 30546	EPA 3545A	04/28/2015 08:40	LMB	10.4 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.376	1.00	U	GC20F-2171-36
Aroclor 1221	11104-28-2	ND	0.376	1.00	U	GC20F-2171-36
Aroclor 1232	11141-16-5	ND	0.376	1.00	U	GC20F-2171-36
Aroclor 1242	53469-21-9	ND	0.376	1.00	U	GC20F-2171-36
Aroclor 1248	12672-29-6	ND	0.376	1.00	U	GC20F-2171-36
Aroclor 1254	11097-69-1	ND	0.376	1.00	U	GC20F-2171-36
Aroclor 1260	11096-82-5	ND	0.376	1.00	U	GC20F-2171-36
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-2171-36

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	72.6	47.0-123		GC20F-2171-36
Decachlorobiphenyl	2051-24-3	85.7	35.0-153		GC20F-2171-36
Tetrachloro-meta-xylene	877-09-8	76.4	47.0-123		GC20B-2170-36
Decachlorobiphenyl	2051-24-3	83.2	35.0-153		GC20B-2170-36

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



## Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL

**Project:** KMS-NB 223832

**Client Sample ID:** MW-1

**Lab Sample ID:** 15040321-06 (AS07760)

**Collection Date:** 04/20/2015 09:58

**Sample Matrix:** WATER

**Received Date:** 04/22/2015 09:25

**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-21	SW-846 Method 8082A	04/27/2015 13:47	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1020 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1596-21
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1596-21
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1596-21
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1596-21
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1596-21
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1596-21
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1596-21
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1596-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	90.3	47.0-123		GC28F-1596-21
Decachlorobiphenyl	2051-24-3	103	35.0-153		GC28F-1596-21
Tetrachloro-meta-xylene	877-09-8	87.7	47.0-123		GC28B-1593-21
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28B-1593-21

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



# Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL

**Project:** KMS-NB 223832

**Client Sample ID:** MW-2

**Lab Sample ID:** 15040321-07 (AS07761)

**Collection Date:** 04/20/2015 12:05

**Sample Matrix:** WATER

**Received Date:** 04/22/2015 09:25

**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-22	SW-846 Method 8082A	04/27/2015 14:01	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1040 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1596-22
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1596-22
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1596-22
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1596-22
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1596-22
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1596-22
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1596-22
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1596-22

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	97.7	47.0-123		GC28F-1596-22
Decachlorobiphenyl	2051-24-3	105	35.0-153		GC28F-1596-22
Tetrachloro-meta-xylene	877-09-8	93.4	47.0-123		GC28B-1593-22
Decachlorobiphenyl	2051-24-3	105	35.0-153		GC28B-1593-22

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



# Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL

**Project:** KMS-NB 223832

**Client Sample ID:** MW-3

**Lab Sample ID:** 15040321-08 (AS07762)

**Collection Date:** 04/20/2015 14:45

**Sample Matrix:** WATER

**Received Date:** 04/22/2015 09:25

**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-23	SW-846 Method 8082A	04/27/2015 14:14	AMR	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1596-23
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1596-23
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1596-23
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1596-23
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1596-23
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1596-23
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1596-23
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1596-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	94.4	47.0-123		GC28F-1596-23
Decachlorobiphenyl	2051-24-3	105	35.0-153		GC28F-1596-23
Tetrachloro-meta-xylene	877-09-8	88.6	47.0-123		GC28B-1593-23
Decachlorobiphenyl	2051-24-3	103	35.0-153		GC28B-1593-23

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



## Analytical Sample Results

Job Number: 15040321

Pace Analytical Services, Inc.  
 2190 Technology Drive  
 Schenectady, NY 12308  
 Phone: 518.346.4592  
 Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL

**Project:** KMS-NB 223832

**Client Sample ID:** DUP-1

**Lab Sample ID:** 15040321-09 (AS07763)

**Collection Date:** 04/20/2015 15:45

**Sample Matrix:** WATER

**Received Date:** 04/22/2015 09:25

**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-24	SW-846 Method 8082A	04/27/2015 14:28	AMR	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1596-24
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1596-24
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1596-24
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1596-24
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1596-24
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1596-24
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1596-24
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1596-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	96.1	47.0-123		GC28F-1596-24
Decachlorobiphenyl	2051-24-3	105	35.0-153		GC28F-1596-24
Tetrachloro-meta-xylene	877-09-8	91.7	47.0-123		GC28B-1593-24
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28B-1593-24

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

# Quality Control Samples (Field)



**Quality Control Results  
Matrix Spike Sample (MS)  
Job Number: 15040321**

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL

**Project:** KMS-NB 223832

**Client Sample ID:** MW-1 MS

**Lab Sample ID:** 15040321-06M (AS07760M)-Confirm

**Collection Date:** N/A

**Sample Matrix:** WATER

**Received Date:** N/A

**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1593-19	SW-846 Method 8082A	04/27/2015 13:19	AMR	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1050 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28B-1593-19
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1593-19
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1593-19
Aroclor 1242	53469-21-9	<b>0.464</b>	0.0500	1.00		GC28B-1593-19
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28B-1593-19
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28B-1593-19
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28B-1593-19
Total PCB Amount	1336-36-3	<b>0.464</b>		1.00		GC28B-1593-19

Analyte Spiked	CAS No.	Sample (ug/L)	Added (ug/L)	MS (ug/L)	MS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9		0.476	0.464	97.5		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	92.4	47.0-123		GC28B-1593-19
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28B-1593-19

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Matrix Spike Sample (MS)**  
Job Number: 15040321

Pace Analytical Services, Inc.  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** MW-1 MS  
**Lab Sample ID:** 15040321-06M (AS07760M)-Primary

**Collection Date:** N/A  
**Sample Matrix:** WATER  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-19	SW-846 Method 8082A	04/27/2015 13:19	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1050 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1596-19
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1596-19
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1596-19
Aroclor 1242	53469-21-9	<b>0.470</b>	0.0500	1.00		GC28F-1596-19
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1596-19
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1596-19
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1596-19
Total PCB Amount	1336-36-3	<b>0.470</b>		1.00		GC28F-1596-19

Analyte Spiked	CAS No.	Sample (ug/L)	Added (ug/L)	MS (ug/L)	MS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	0.476	0.470		98.6		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	96.0	47.0-123		GC28F-1596-19
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28F-1596-19

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Matrix Spike Duplicate (MSD)**

**Job Number:** 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL

**Project:** KMS-NB 223832

**Client Sample ID:** MW-1 MSD

**Lab Sample ID:** 15040321-06K (AS07760K)-Primary

**Collection Date:** N/A

**Sample Matrix:** WATER

**Received Date:** N/A

**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-20	SW-846 Method 8082A	04/27/2015 13:33	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1020 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1596-20
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1596-20
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1596-20
Aroclor 1242	53469-21-9	<b>0.488</b>	0.0500	1.00		GC28F-1596-20
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1596-20
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1596-20
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1596-20
Total PCB Amount	1336-36-3	<b>0.488</b>		1.00		GC28F-1596-20

Analyte Spiked	CAS No.	Sample (ug/L)	Added (ug/L)	MSD (ug/L)	MSD % Rec.	Q <sup>1</sup>	Limits (%)	Precision		
								MS % Rec.	RPD	Q <sup>1</sup>
Aroclor 1242	53469-21-9	0.490	0.488	0.488	99.5	70.0-130	98.6	0.909	20	

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	94.4	47.0-123		GC28F-1596-20
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28F-1596-20

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Matrix Spike Duplicate (MSD)**  
Job Number: 15040321

Pace Analytical Services, Inc.  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** MW-1 MSD  
**Lab Sample ID:** 15040321-06K (AS07760K)-Confirm

**Collection Date:** N/A  
**Sample Matrix:** WATER  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1593-20	SW-846 Method 8082A	04/27/2015 13:33	AMR	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1020 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28B-1593-20
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1593-20
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1593-20
Aroclor 1242	53469-21-9	<b>0.489</b>	0.0500	1.00		GC28B-1593-20
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28B-1593-20
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28B-1593-20
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28B-1593-20
Total PCB Amount	1336-36-3	<b>0.489</b>		1.00		GC28B-1593-20

Analyte Spiked	CAS No.	Sample (ug/L)	Added (ug/L)	MSD (ug/L)	MSD % Rec.	Q <sup>1</sup>	Limits (%)	Precision		
								MS % Rec.	RPD	Q <sup>1</sup>
Aroclor 1242	53469-21-9	0.490	0.489	0.489	99.7		70.0-130	97.5	2.23	20

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	92.1	47.0-123		GC28B-1593-20
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28B-1593-20

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

# Quality Control Samples (Lab)



**Quality Control Results  
Method Blank**

**Job Number:** 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Method Blank (AS07756B)  
**Lab Sample ID:** PBLK-64

**Collection Date:** N/A  
**Sample Matrix:** SOIL  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-2170-30	SW-846 8082A (PCB)	04/28/2015 18:44	AMR	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30546	EPA 3545A	04/28/2015 08:28	LMB	10.3 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC20B-2170-30
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC20B-2170-30
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC20B-2170-30
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC20B-2170-30
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC20B-2170-30
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC20B-2170-30
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC20B-2170-30
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20B-2170-30

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	103	47.0-123		GC20B-2170-30
Decachlorobiphenyl	2051-24-3	106	35.0-153		GC20B-2170-30

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Method Blank**

**Job Number:** 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Method Blank (AS07756B)  
**Lab Sample ID:** PBLK-64

**Collection Date:** N/A  
**Sample Matrix:** SOIL  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-2171-30	SW-846 8082A (PCB)	04/28/2015 18:44	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30546	EPA 3545A	04/28/2015 08:28	LMB	10.3 g	25.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC20F-2171-30
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC20F-2171-30
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC20F-2171-30
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC20F-2171-30
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC20F-2171-30
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC20F-2171-30
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC20F-2171-30
Total PCB Amount > RL	1336-36-3	ND		1.00	U	GC20F-2171-30

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	92.0	47.0-123		GC20F-2171-30
Decachlorobiphenyl	2051-24-3	126	35.0-153		GC20F-2171-30

<sup>1</sup>Qualifier column where \* denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)**  
Job Number: 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Lab Control Sample (AS07756L)  
**Lab Sample ID:** LCS-64

**Collection Date:** N/A  
**Sample Matrix:** SOIL  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20B-2170-31	SW-846 8082A (PCB)	04/28/2015 18:56	AMR	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30546	EPA 3545A	04/28/2015 08:29	LMB	10.3 g	25.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/g)	LCS (ug/g)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	1.21	0.944	78.2		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	75.6	47.0-123		GC20B-2170-31
Decachlorobiphenyl	2051-24-3	85.7	35.0-153		GC20B-2170-31

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)**  
Job Number: 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Lab Control Sample (AS07756L)  
**Lab Sample ID:** LCS-64

**Collection Date:** N/A  
**Sample Matrix:** SOIL  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC20F-2171-31	SW-846 8082A (PCB)	04/28/2015 18:56	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30546	EPA 3545A	04/28/2015 08:29	LMB	10.3 g	25.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/g)	LCS (ug/g)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	1.21	0.884	73.2		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	69.2	47.0-123		GC20F-2171-31
Decachlorobiphenyl	2051-24-3	88.6	35.0-153		GC20F-2171-31

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Method Blank**

**Job Number:** 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Method Blank (AS07760B)  
**Lab Sample ID:** PBLK-50

**Collection Date:** N/A  
**Sample Matrix:** WATER  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1593-17	SW-846 Method 8082A	04/27/2015 12:51	AMR	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28B-1593-17
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1593-17
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1593-17
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28B-1593-17
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28B-1593-17
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28B-1593-17
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28B-1593-17
Total PCB Amount	1336-36-3	ND		1.00	U	GC28B-1593-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	84.6	47.0-123		GC28B-1593-17
Decachlorobiphenyl	2051-24-3	99.3	35.0-153		GC28B-1593-17

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Method Blank**

**Job Number:** 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Method Blank (AS07760B)  
**Lab Sample ID:** PBLK-50

**Collection Date:** N/A  
**Sample Matrix:** WATER  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-17	SW-846 Method 8082A	04/27/2015 12:51	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1596-17
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1596-17
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1596-17
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1596-17
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1596-17
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1596-17
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1596-17
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1596-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	85.5	47.0-123		GC28F-1596-17
Decachlorobiphenyl	2051-24-3	99.2	35.0-153		GC28F-1596-17

<sup>1</sup>Qualifier column where \*R\* denotes value outside the control limits or \*D\* denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)**  
Job Number: 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Lab Control Sample (AS07760L)  
**Lab Sample ID:** LCS-50

**Collection Date:** N/A  
**Sample Matrix:** WATER  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1593-18	SW-846 Method 8082A	04/27/2015 13:05	AMR	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1000 mL	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	0.500	0.478	95.6		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	87.5	47.0-123		GC28B-1593-18
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28B-1593-18

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



**Quality Control Results  
Lab Control Sample (LCS)**  
Job Number: 15040321

**Pace Analytical Services, Inc.**  
2190 Technology Drive  
Schenectady, NY 12308  
Phone: 518.346.4592  
Fax: 518.381.6055

**Client:** TRC ENVIRONMENTAL  
**Project:** KMS-NB 223832  
**Client Sample ID:** Lab Control Sample (AS07760L)  
**Lab Sample ID:** LCS-50

**Collection Date:** N/A  
**Sample Matrix:** WATER  
**Received Date:** N/A  
**Percent Solid:** N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1596-18	SW-846 Method 8082A	04/27/2015 13:05	AMR	NA	NA	Phenomenex, Zebtron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30530	EPA 3535A	04/24/2015 08:13	KEN	1000 mL	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/L)	LCS (ug/L)	LCS % Rec.	Q <sup>1</sup>	Limits (%)
Aroclor 1242	53469-21-9	0.500	0.496	99.2		70.0-130

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q <sup>1</sup>	File ID
Tetrachloro-meta-xylene	877-09-8	88.6	47.0-123		GC28F-1596-18
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28F-1596-18

<sup>1</sup>Qualifier column where '\*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.