February 26, 2016

Mr. John R. Strang, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Region 4
1130 South Westcott Road
Schenectady, New York 12306-2014

Via Electronic Mail

Re: Tank 010
Spill No. 1507232
ALCO – BCP Site C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, Inc. (B&L) has prepared the following report for the results of the sampling for the Tank 010 including Spill 1507232 closure activities.

Summary of IRM Activities

Excavation activities were undertaken at the Tank 010 area in accordance with the approved November 2014 Addendum to the Excavation Work Plan (EXC-WP) dated May 2014. The tank was not vacuum pumped free of product as tank location inaccessible by vac. truck due to soft site soil. The top of the tank was removed by the excavator and approximately 75 tons of the flowable fill (concrete) was removed and stockpiled on a separate storage area that was lined with plastic sheeting and bermed to prohibit run-off. Tank 010 was removed on October 9, 2015. A small quantity of Non-Aqueous Phase Liquid (NAPL) spilled from the tank during the tank removal process and a Spill was reported (NYSDEC Spill No. 1507232). With concurrence from the NYSDEC clean sand was utilized to absorb the NAPL and the utilized sand was removed and stockpiled within the plastic sheeting lined storage area. The tank was staged on polyvinyl sheeting and subsequently cleaned by Precision Industrial Maintenance and the associated steel was combined with the facilities scrap metal for recycling.

Visibly clean overlying soils were removed and stockpiled. Groundwater was not encountered. Soil sampling of the excavation was conducted on October 12, 2015 with concurrence from NYSDEC on the number and locations of the soil samples.

Summary of Sample Results

A total of five soil samples were collected, at locations shown on the attached sketch. In addition to volatile organic compounds (VOCs), soil samples were also analyzed for semi-VOCs at the request of NYSDEC. Detections for VOCs and SVOCs are summarized on the attached table. SVOCs were detected in each of the soil samples. Two of the five samples had one or more of the following at concentrations above their respective Restricted Residential Soil Cleanup Objective (SCO):

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene

The SVOCs that were detected were all polynuclear aromatic hydrocarbons (PAHs), that are typically related to coal usage; the PAH detections are consistent with the site-wide PAH detections that constitute Area of Concern 3 that will be addressed by the soil cover. With respect to VOCs, there was one (1) petroleum-related detection. The detection was reported at a concentration roughly three orders of magnitude below the SCO. The laboratory results for the soil samples are also attached to this letter. No additional investigation or remediation is recommended for Tank 010.

Additional items to be forwarded to the NYSDEC upon receipt are non-hazardous waste manifests for disposal of associated contaminated soil and concrete.

Please feel free to contact the undersigned at (518) 218-1801 with any questions or need for additional information.

Very truly yours,

BARTON & LOGUIDICE, INC.

Andrew J. Barber
Sr. Environmental Consultant

AJB/akd
Enclosure
cc: Steve Porter, Esq. - Maxon ALCO Holdings LLC
Steve Luciano - Maxon ALCO Holdings LLC
Paul Fallati - Maxon ALCO Holdings LLC
Dean Sommer, Esq. - Young Sommer
Rich Ostrov - NYSDEC Region 4, OGC
Al DeMarco -NYSDOH

ALCO Brownfield Site 301 Nott Road, Schenectady NY							
COMPOUND	**NYSDEC Part 375 Restricted Use SCO's -Restricted Residential (1)**	**UNIT**	**TP010-N**	**TP010-E**	**TP010-S**	**TP010-BOTTOM**	**DUP-X**
Acetone	100000	µg/kg	-	-	-	12 B	-
Benzo(a)anthracene	1000	µg/kg	-	-	350	**1900**	-
Benzo(a)pyrene	1000	µg/kg	190	-	540	**2600**	-
Benzo(b)fluoranthene	1000	µg/kg	290	-	**1100**	**5100**	-
Benzo(g,h,i)perylene	100000	µg/kg	220	-	5220	1300	-
Benzo(k)fluoranthene	3900	µg/kg	-	-	310	1600	-
Chrysene	3900	µg/kg	190	-	590	2400	-
Dibenzo(a,h)anthracene	330	µg/kg	-	-	-	**440**	-
Di-n-butyl phthalate	-	µg/kg	880	810	-	1000	770
Fluoranthene	100000	µg/kg	220	-	290	2100	-
Indeno(1,2,3-cd)pyrene	500	µg/kg	-	-	460	**1300**	-
Phenanthrene	100000	µg/kg	-	-	210	690	-
Pyrene	100000	µg/kg	220	-	320	2000	-

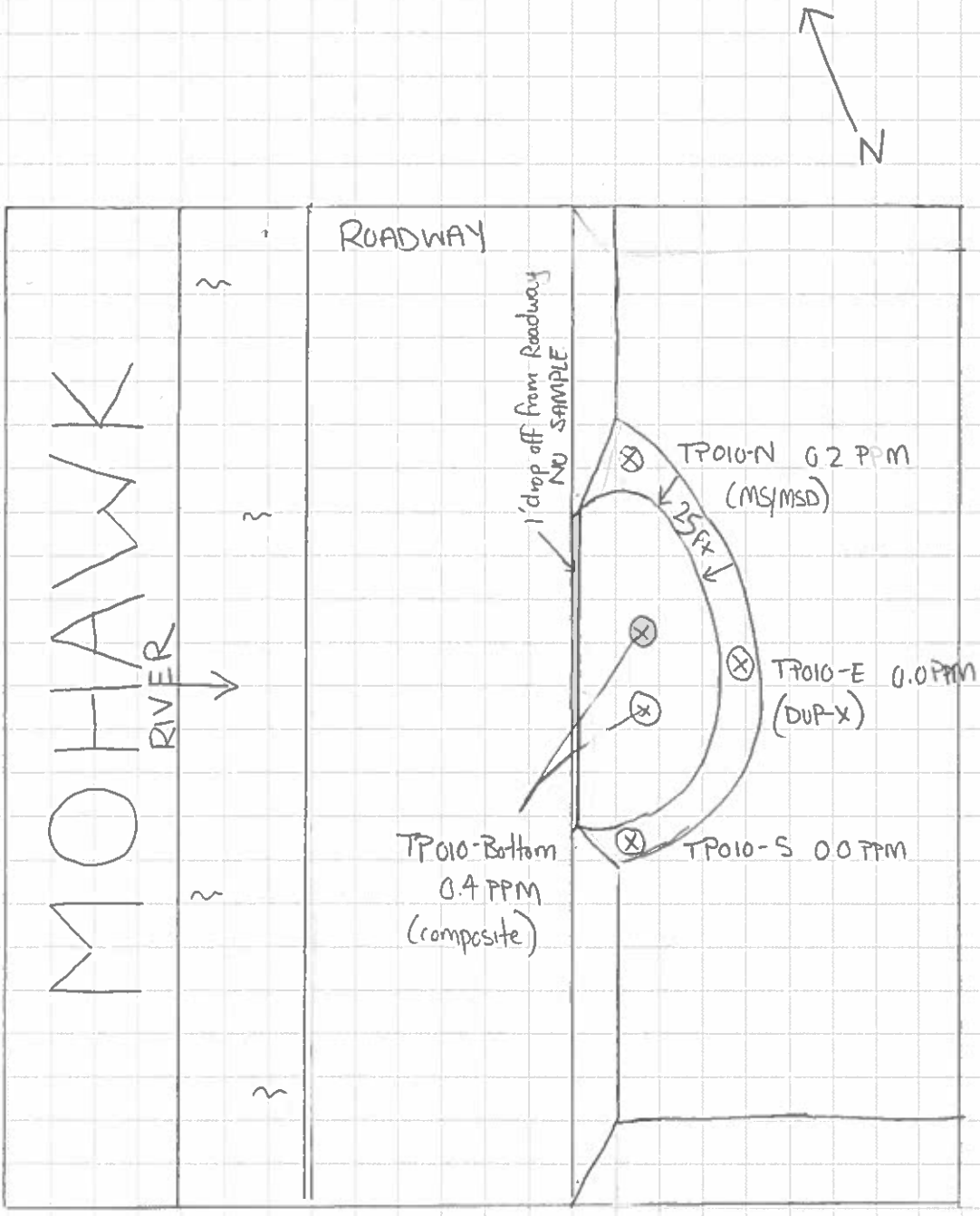
- Not Detected

Blind duplicate sample "Dup" collected at TP010-E.

1. NYSDEC Part 375 Table 375-6.8(b) Restricted Use Soil Cleanup Objectives (SCOs) for the Protection of Public Health.

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
10 Airline Drive • Suite 200 • Albany, NY 12205
Telephone: (518) 218-1801 • Facsimile (518) 218-1805

JOB ALCO 1368.001.001
SHEET NO. 1 OF 1
CALCULATED BY RJM2 DATE February 2016
CHECKED BY _____ DATE _____
DESCRIPTION Tank 010 Confirmatory Sampling Locations



⊗ Approximate Confirmatory Sample Locations
Tank 010 Removed 10/09/2015

* NOT TO SCALE *

Date Issued: October 21, 2015

Pace Analytical e-Report

Report prepared for:
BARTON AND LOGUIDICE
10 AIRLINE DRIVE
ALBANY, NY 12205
CONTACT: ANDY BARBER

Project ID: ALCO
Sampling Date(s): October 12, 2015
Lab Report ID: 15100280
Client Service Contact: Chelsea Farmer (518) 346-4592 ext. 3843

Analysis Included:
8260- Sub Pace NY
8270D - Sub Pace LI

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this 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)

Pace Analytical Services, Inc.| 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Table of Contents

CASE NARRATIVE

October 21, 2015

CASE NARRATIVE

This data package (SDG ID: 15100280) consists of 5 soil samples received on 10/12/2015. The samples are from Project Name: ALCO.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AS32217	TP010-N	10/12/2015 13:40
AS32218	TP010-E	10/12/2015 13:35
AS32219	TP010-S	10/12/2015 13:45
AS32220	TP010-BOTTOM	10/12/2015 13:30
AS32221	DUP-X	10/12/2015

Sample Delivery and Receipt Conditions

(1.) Lab provided sample pickup service on 10/12/2015.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) All samples were received at the laboratory properly preserved, with the following exceptions:
(a.) Samples for volatile analysis were not collected as per Method 5035A guidance.

Subcontract Analysis

Please see Pace NY LI lab report for quality assurance details regarding the volatile and semi-volatile analysis.

Respectfully submitted,

Jill Grygas
Project Manager

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 reanalyzed 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 – Adjusted Method Detection Limit.

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. PQLs are adjusted for sample weight/volume and dilution factors.

RL - Reporting Limit Denotes lowest analyte concentration reportable for the sample based on regulatory or project specific limits.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL) or the Reporting Limit (RL) or the Method Detection Limit (MDL) as applicable.

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

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

Pace Analytical™
www.pacelabs.com

New York Office
2190 Technology Dr.
Schenectady, NY 12308
(518) 346-4592

CHAIN-OF-CUSTODY / Analytical Request Document

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

<15100280P1>

151002801

Page: 1 of 1

Section A — **Required** Client Information:

Company:	Barton and Loguidice DPC
Address:	10 Airline Drive, Suite 200
	Albany, NY 12205
Email To:	nshaffer@bartonandloguidice.com
Phone:	518-218-1801 Fax: 518-218-1805
Requested Due Date/TAT:	Standard

Section B — **Required** Project Information:

Report To:	Andy Barber
Copy To:	Nathan Shaffer
	Rosemary McCormick
Purchase Order No.:	
Project Name:	ALCO
Project Number:	1368.001.001

Section C — Invoice Information:

Attention:	Accounts Payable
Company Name:	Barton and Loguidice, DPC
Address:	290 Elwood Davis Road, Box 3107 Syracuse NY, 13220
Pace Quote Reference:	00014909
Pace Project Manager:	Kelly Miller
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER NYSDEC

SITE LOCATION

☐ GA ☐ IL ☐ N ☐ MI ☐ NC
☐ OH ☐ SC ☐ VI ☒ OTHER NY

Section D — **Required** Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: VOCs (8260) SVOCs (8270)	Residual Chlorine (Y/N)	Pace Project No. Lab I.D.
1	TP010-N MS/MSD	SL	G	—		10/12	15:40		6	X								X X		AS32217
2	TP010-E	SL	G	—			13:35		2	X								X X		AS32218
3	TP010-S	SL	G	—			13:45		2	X								X X		AS32219
4	TP010-Bottom	SL	C	—			13:30		2	X								X X		AS32220
5	DUP-X	SL	G	—		10:12	—		2	X								X X		AS32221
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
NYSDEC Part 375 List	[signature] / Barton	10/12/15	19:37	Kelly Q of PACE	10/12/15	14:37

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
4.2	(Y/N)	(Y/N)	(Y/N)
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ROSEMARY McCORMICK

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 10/12/15

Sample Condition Upon Receipt

CLIENT NAME: BAR-ALB
PROJECT: ALCO

COURIER: FedEx ☐ UPS ☐ Client ☒ KAC 10/12/15 Pace ☒ Other ☐
TRACKING # N/A
CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☐ No ☐ N/A ☒
PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other ☐ ICE USED: Wet ☒ Blue ☐ None ☐
THERMOMETER USED: #164 ☒ IR Gun 03 ☐ #122087967 ☐ COOLER TEMPERATURE (°C): 4.2
BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒ Temp should be above freezing to 6°C
COMMENTS: Temperature is Acceptable? ☒ Yes ☐ No

Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name / Signature on COC:	☒ Yes	☐ No		4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume:	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9. Soil Samples for 8260 analysis not collected per method 5035 guidance
- Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests:	☐ Yes	☐ No	☒ N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☒ Yes	☐ No		12.
All containers needing preservation have been checked:	☐ Yes	☐ No	☒ N/A	13.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐ Yes	☐ No	☒ N/A	Initial when completed: N/A Lot # of added preservative: N/A
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present:	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot #: N/A				

Sample Receipt form filled in: KAC 10/12/15

Line-Out (Includes Copying Shipping Documents and verifying sample pH): KAC 10/12/15
Log In (Includes notifying PM of any discrepacies and documenting in LIMS): KAC 10/12/15
Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): KAC 10/12/15

SAMPLE RECEIPT

SAMPLE RECEIPT REPORT
15100280

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

CLIENT: BARTON AND LOGUIDICE
PROJECT: ALCO
LRF: 15100280
REPORT: ANALYTICAL REPORT
EDD: YES
LRF TAT: 7 DAYS

RECEIVED DATE: 10/12/2015 14:37
SHIPPED VIA: PICK UP
SHIPPING ID:
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): [5] 4.2 °C

SAMPLE SEALS INTACT: NA
[1,2] SAMPLES PRESERVED PER METHOD GUIDANCE: YES
[3] SAMPLES REC'D IN HOLDTIME: YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:
SOIL SAMPLES FOR 8260 ANALYSIS NOT COLLECTED PER METHOD 5035 GUIDANCE.

CLIENT ID (LAB ID)	TAT-DUE Date[4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
TP010-N (AS32217)	7 DAYS 10-21-15	10/12/2015 13:40	Soil	E8260C	8260- Sub Pace NY	MS, MSD
	7 DAYS 10-21-15	10/12/2015 13:40	Soil	E8270D	8270D - Sub Pace LI	MS, MSD
TP010-E (AS32218)	7 DAYS 10-21-15	10/12/2015 13:35	Soil	E8260C	8260- Sub Pace NY	
	7 DAYS 10-21-15	10/12/2015 13:35	Soil	E8270D	8270D - Sub Pace LI	
TP010-S (AS32219)	7 DAYS 10-21-15	10/12/2015 13:45	Soil	E8260C	8260- Sub Pace NY	
	7 DAYS 10-21-15	10/12/2015 13:45	Soil	E8270D	8270D - Sub Pace LI	
TP010-BOTTOM (AS32220)	7 DAYS 10-21-15	10/12/2015 13:30	Soil	E8260C	8260- Sub Pace NY	
	7 DAYS 10-21-15	10/12/2015 13:30	Soil	E8270D	8270D - Sub Pace LI	
DUP-X (AS32221)	7 DAYS 10-21-15	10/12/2015	Soil	E8260C	8260- Sub Pace NY	
	7 DAYS 10-21-15	10/12/2015	Soil	E8270D	8270D - Sub Pace LI	

[1]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.
[2]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.
[3]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.
[4]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.
[5]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.
[6]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

Subcontract Analysis

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:40:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32217

Lab No. : 1510856-001
Client Sample ID: TP010-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,1,1-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,1,2-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,1-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,1-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,1-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2,3-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2,3-Trichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2,4-Trimethylbenzene	< 2.2	c	1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2-Dibromoethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,2-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,3-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,3-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
1,4-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
2,2-Dichloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
2-Butanone	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
2-Chloroethylvinyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
2-Chlorotoluene/4-Chlorotoluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
2-Hexanone	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
4-Isopropyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
4-Methyl-2-pentanone	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Acetone	< 11		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Benzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Bromobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Bromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 10/21/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:40:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32217

Lab No. : 1510856-001
Client Sample ID: TP010-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromodichloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Bromoform	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Bromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Carbon disulfide	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Carbon tetrachloride	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Chlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Chloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Chloroform	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Chloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Dibromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Dibromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Dichlorodifluoromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Ethylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Hexachlorobutadiene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Isopropylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
m,p-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Methyl tert-butyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Methylene chloride	< 11		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Naphthalene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
n-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
n-Propylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
o-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
sec-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Styrene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
tert-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Tetrachloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Toluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03
Trichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:03 PM	Container-01 of 03

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J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Caitlin Panzarella
Project Manager

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Date Reported : 10/21/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:40:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32217

Lab No. : 1510856-001
Client Sample ID: TP010-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Trichlorofluoromethane	< 2.2		1	µg/Kg-dry			10/16/2015 2:03 PM	Container-01 of 03
Vinyl acetate	< 2.2		1	µg/Kg-dry			10/16/2015 2:03 PM	Container-01 of 03
Vinyl chloride	< 2.2		1	µg/Kg-dry			10/16/2015 2:03 PM	Container-01 of 03
Xylene (total)	< 2.2		1	µg/Kg-dry			10/16/2015 2:03 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	82.8		1	%REC	Limit	33-145	10/16/2015 2:03 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	80.6		1	%REC	Limit	60-148	10/16/2015 2:03 PM	Container-01 of 03
Surr: Toluene-d8	96.0		1	%REC	Limit	60-132	10/16/2015 2:03 PM	Container-01 of 03

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

5

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Collected By CLIENT

AS32217

Lab No. : 1510856-001
Client Sample ID: TP010-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2,4,6-Trichlorophenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2,4-Dichlorophenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2,4-Dimethylphenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2,4-Dinitrophenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2,4-Dinitrotoluene	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2,6-Dinitrotoluene	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2-Chloronaphthalene	< 180		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2-Chlorophenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2-Methylnaphthalene	< 180		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2-Methylphenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2-Nitroaniline	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
2-Nitrophenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
3,3´-Dichlorobenzidine	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
3-Methylphenol/4-Methylphenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
3-Nitroaniline	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
4,6-Dinitro-2-methylphenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
4-Bromophenyl-phenylether	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
4-Chloro-3-methylphenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
4-Chloroaniline	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
4-Chlorophenyl-phenylether	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
4-Nitroaniline	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
4-Nitrophenol	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Acenaphthene	< 180		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Acenaphthylene	< 180		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Anthracene	< 180		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Benzo(a)anthracene	< 180		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Benzo(a)pyrene	190		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Benzo(b)fluoranthene	290		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Benzo(g,h,i)perylene	220		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Benzo(k)fluoranthene	< 180		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03
Bis(2-chloroethoxy)methane	< 360		1	µg/Kg-dry	10/16/2015 1:53 AM	Container-01 of 03

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Caitlin Panzarella
Project Manager

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2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:40:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32217

Lab No. : 1510856-001
Client Sample ID: TP010-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethyl)ether	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Bis(2-ethylhexyl)phthalate	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Butyl benzyl phthalate	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Carbazole	< 180		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Chrysene	190		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Dibenzo(a,h)anthracene	< 180		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Dibenzofuran	< 180		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Diethylphthalate	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Dimethylphthalate	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Di-n-butyl phthalate	880	B	1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Di-n-octyl phthalate	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Fluoranthene	220		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Fluorene	< 180		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Hexachlorobenzene	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Hexachlorobutadiene	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Hexachlorocyclopentadiene	< 360	c	1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Hexachloroethane	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Indeno(1,2,3-cd)pyrene	< 180		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Isophorone	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Naphthalene	< 180		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Nitrobenzene	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
N-Nitroso-di-n-propylamine	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
N-Nitrosodiphenylamine	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Pentachlorophenol	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Phenanthrene	< 180		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Phenol	< 360		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Pyrene	220		1	µg/Kg-dry			10/16/2015 1:53 AM	Container-01 of 03
Surr: 1,2-Dichlorobenzene-d4	59.3		1	%REC	Limit	20-130	10/16/2015 1:53 AM	Container-01 of 03
Surr: 2,4,6-Tribromophenol	44.0		1	%REC	Limit	19-122	10/16/2015 1:53 AM	Container-01 of 03
Surr: 2-Chlorophenol-d4	65.1		1	%REC	Limit	20-130	10/16/2015 1:53 AM	Container-01 of 03
Surr: 2-Fluorobiphenyl	74.6		1	%REC	Limit	30-115	10/16/2015 1:53 AM	Container-01 of 03
Surr: 2-Fluorophenol	61.4		1	%REC	Limit	25-121	10/16/2015 1:53 AM	Container-01 of 03

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Caitlin Panzarella
Project Manager

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Date Reported : 10/21/2015

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NYSDOH ID#10478 www.pacelabs.com

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2190 Technology Drive
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Attn To : William A. Kotas
Collected : 10/12/2015 1:40:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32217

Lab No. : 1510856-001
Client Sample ID: TP010-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 4-Terphenyl-d14	80.6		1	%REC	Limit	18-137	10/16/2015 1:53 AM	Container-01 of 03
Surr: Nitrobenzene-d5	81.7		1	%REC	Limit	23-120	10/16/2015 1:53 AM	Container-01 of 03
Surr: Phenol-d5	64.5		1	%REC	Limit	24-113	10/16/2015 1:53 AM	Container-01 of 03

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

Analytical Method: D2216 : Analyst: JL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	8.3		1	wt%	10/14/2015 5:49 PM	Container-01 of 03

5

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Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:35:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32218

Lab No. : 1510856-002
Client Sample ID: TP010-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,1,1-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,1,2-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,1-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,1-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,1-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2,3-Trichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.2	c	1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2-Dibromoethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,2-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,3-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
2,2-Dichloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
2-Butanone	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
2-Chloroethylvinyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
2-Hexanone	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
4-Isopropyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
4-Methyl-2-pentanone	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Acetone	< 11		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Benzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Bromobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Bromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01

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Collected : 10/12/2015 1:35:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32218

Lab No. : 1510856-002
Client Sample ID: TP010-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromodichloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Bromoform	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Bromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Carbon disulfide	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Carbon tetrachloride	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Chlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Chloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Chloroform	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Chloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Dibromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Dibromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Dichlorodifluoromethane	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Ethylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Hexachlorobutadiene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Isopropylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
m,p-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Methylene chloride	< 11		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Naphthalene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
n-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
n-Propylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
o-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
sec-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Styrene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
tert-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Tetrachloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Toluene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01
Trichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 2:28 PM	Container-01 of 01

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J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
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Caitlin Panzarella
Project Manager

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Date Reported : 10/21/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:35:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32218

Lab No. : 1510856-002
Client Sample ID: TP010-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Trichlorofluoromethane	< 2.2		1	µg/Kg-dry			10/16/2015 2:28 PM	Container-01 of 01
Vinyl acetate	< 2.2		1	µg/Kg-dry			10/16/2015 2:28 PM	Container-01 of 01
Vinyl chloride	< 2.2		1	µg/Kg-dry			10/16/2015 2:28 PM	Container-01 of 01
Xylene (total)	< 2.2		1	µg/Kg-dry			10/16/2015 2:28 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	88.8		1	%REC	Limit	33-145	10/16/2015 2:28 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	77.7		1	%REC	Limit	60-148	10/16/2015 2:28 PM	Container-01 of 01
Surr: Toluene-d8	100		1	%REC	Limit	60-132	10/16/2015 2:28 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

5

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Collected By CLIENT

AS32218

Lab No. : 1510856-002
Client Sample ID: TP010-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2,4-Dichlorophenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2,4-Dimethylphenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2,4-Dinitrophenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2,4-Dinitrotoluene	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2,6-Dinitrotoluene	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2-Chloronaphthalene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2-Chlorophenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2-Methylnaphthalene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2-Methylphenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2-Nitroaniline	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
2-Nitrophenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
3-Nitroaniline	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
4-Chloroaniline	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
4-Nitroaniline	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
4-Nitrophenol	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Acenaphthene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Acenaphthylene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Anthracene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Benzo(a)anthracene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Benzo(a)pyrene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Benzo(b)fluoranthene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Benzo(g,h,i)perylene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Benzo(k)fluoranthene	< 190		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 370		1	µg/Kg-dry	10/16/2015 12:27 AM	Container-01 of 01

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Caitlin Panzarella
Project Manager

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2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:35:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32218

Lab No. : 1510856-002
Client Sample ID: TP010-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethyl)ether	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Butyl benzyl phthalate	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Carbazole	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Chrysene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Dibenzofuran	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Diethylphthalate	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Dimethylphthalate	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Di-n-butyl phthalate	810		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Di-n-octyl phthalate	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Fluoranthene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Fluorene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Hexachlorobenzene	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Hexachlorobutadiene	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 370	c	1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Hexachloroethane	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Isophorone	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Naphthalene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Nitrobenzene	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Pentachlorophenol	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Phenanthrene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Phenol	< 370		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Pyrene	< 190		1	µg/Kg-dry			10/16/2015 12:27 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	63.9		1	%REC	Limit	20-130	10/16/2015 12:27 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	74.1		1	%REC	Limit	19-122	10/16/2015 12:27 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	66.4		1	%REC	Limit	20-130	10/16/2015 12:27 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	84.7		1	%REC	Limit	30-115	10/16/2015 12:27 AM	Container-01 of 01
Surr: 2-Fluorophenol	63.9		1	%REC	Limit	25-121	10/16/2015 12:27 AM	Container-01 of 01

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Caitlin Panzarella
Project Manager

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2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:35:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32218

Lab No. : 1510856-002
Client Sample ID: TP010-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 4-Terphenyl-d14	88.1		1	%REC	Limit	18-137	10/16/2015 12:27 AM	Container-01 of 01
Surr: Nitrobenzene-d5	77.3		1	%REC	Limit	23-120	10/16/2015 12:27 AM	Container-01 of 01
Surr: Phenol-d5	69.4		1	%REC	Limit	24-113	10/16/2015 12:27 AM	Container-01 of 01

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

Analytical Method: D2216 : Analyst: JL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	10.2		1	wt%	10/14/2015 5:50 PM	Container-01 of 01

5

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Attn To : William A. Kotas
Collected : 10/12/2015 1:45:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32219

Lab No. : 1510856-003
Client Sample ID: TP010-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,1,1-Trichloroethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,1,2-Trichloroethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,1-Dichloroethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,1-Dichloroethene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,1-Dichloropropene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2,3-Trichloropropane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.3	c	1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 2.3	c	1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2-Dibromoethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2-Dichloroethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,2-Dichloropropane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,3-Dichloropropane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
2,2-Dichloropropane	< 2.3	c	1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
2-Butanone	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
2-Chloroethylvinyl ether	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
2-Hexanone	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
4-Isopropyltoluene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
4-Methyl-2-pentanone	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Acetone	< 12		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Benzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Bromobenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Bromochloromethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01

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Collected : 10/12/2015 1:45:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32219

Lab No. : 1510856-003
Client Sample ID: TP010-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromodichloromethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Bromoform	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Bromomethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Carbon disulfide	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Carbon tetrachloride	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Chlorobenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Chloroethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Chloroform	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Chloromethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Dibromochloromethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Dibromomethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Dichlorodifluoromethane	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Ethylbenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Hexachlorobutadiene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Isopropylbenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
m,p-Xylene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Methylene chloride	< 12		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Naphthalene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
n-Butylbenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
n-Propylbenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
o-Xylene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
sec-Butylbenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Styrene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
tert-Butylbenzene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Tetrachloroethene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Toluene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01
Trichloroethene	< 2.3		1	µg/Kg-dry	10/16/2015 2:53 PM	Container-01 of 01

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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 10/21/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:45:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32219

Lab No. : 1510856-003
Client Sample ID: TP010-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Trichlorofluoromethane	< 2.3		1	µg/Kg-dry			10/16/2015 2:53 PM	Container-01 of 01
Vinyl acetate	< 2.3		1	µg/Kg-dry			10/16/2015 2:53 PM	Container-01 of 01
Vinyl chloride	< 2.3		1	µg/Kg-dry			10/16/2015 2:53 PM	Container-01 of 01
Xylene (total)	< 2.3		1	µg/Kg-dry			10/16/2015 2:53 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	90.5		1	%REC	Limit	33-145	10/16/2015 2:53 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	65.1		1	%REC	Limit	60-148	10/16/2015 2:53 PM	Container-01 of 01
Surr: Toluene-d8	115		1	%REC	Limit	60-132	10/16/2015 2:53 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

5

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AS32219

Lab No. : 1510856-003
Client Sample ID: TP010-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2,4-Dichlorophenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2,4-Dimethylphenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2,4-Dinitrophenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2,4-Dinitrotoluene	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2,6-Dinitrotoluene	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2-Chloronaphthalene	< 190		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2-Chlorophenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2-Methylnaphthalene	< 190		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2-Methylphenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2-Nitroaniline	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
2-Nitrophenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
3-Nitroaniline	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
4-Chloroaniline	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
4-Nitroaniline	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
4-Nitrophenol	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Acenaphthene	< 190		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Acenaphthylene	< 190		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Anthracene	< 190		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Benzo(a)anthracene	350		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Benzo(a)pyrene	540		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Benzo(b)fluoranthene	1,100		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Benzo(g,h,i)perylene	520		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Benzo(k)fluoranthene	310		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 380		1	µg/Kg-dry	10/16/2015 4:16 AM	Container-01 of 01

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Caitlin Panzarella
Project Manager

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2190 Technology Drive
Schenectady, NY 12308
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Collected : 10/12/2015 1:45:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32219

Lab No. : 1510856-003
Client Sample ID: TP010-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethyl)ether	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Butyl benzyl phthalate	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Carbazole	< 190		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Chrysene	590		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 190		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Dibenzofuran	< 190		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Diethylphthalate	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Dimethylphthalate	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Di-n-butyl phthalate	590		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Di-n-octyl phthalate	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Fluoranthene	290		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Fluorene	< 190		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Hexachlorobenzene	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Hexachlorobutadiene	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 380	c	1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Hexachloroethane	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	460		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Isophorone	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Naphthalene	< 190		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Nitrobenzene	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Pentachlorophenol	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Phenanthrene	210		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Phenol	< 380		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Pyrene	320		1	µg/Kg-dry			10/16/2015 4:16 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	49.2		1	%REC	Limit	20-130	10/16/2015 4:16 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	38.0		1	%REC	Limit	19-122	10/16/2015 4:16 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	49.5		1	%REC	Limit	20-130	10/16/2015 4:16 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	52.8		1	%REC	Limit	30-115	10/16/2015 4:16 AM	Container-01 of 01
Surr: 2-Fluorophenol	44.9		1	%REC	Limit	25-121	10/16/2015 4:16 AM	Container-01 of 01

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Project Manager

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2190 Technology Drive
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Attn To : William A. Kotas
Collected : 10/12/2015 1:45:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32219

Lab No. : 1510856-003
Client Sample ID: TP010-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 4-Terphenyl-d14	57.2		1	%REC	Limit	18-137	10/16/2015 4:16 AM	Container-01 of 01
Surr: Nitrobenzene-d5	60.1		1	%REC	Limit	23-120	10/16/2015 4:16 AM	Container-01 of 01
Surr: Phenol-d5	53.8		1	%REC	Limit	24-113	10/16/2015 4:16 AM	Container-01 of 01

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

Analytical Method: D2216 : Analyst: JL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	13.6		1	wt%	10/14/2015 5:50 PM	Container-01 of 01

5

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2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:30:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32220

Lab No. : 1510856-004
Client Sample ID: TP010-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,1,1-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,1,2-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,1-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,1-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,1-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2,3-Trichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.2	c	1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2-Dibromoethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,2-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,3-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
2,2-Dichloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
2-Butanone	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
2-Chloroethylvinyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
2-Hexanone	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
4-Isopropyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
4-Methyl-2-pentanone	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Acetone	12	B	1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Benzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Bromobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Bromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01

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LABORATORY RESULTS

Results for the samples and analytes requested

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015 1:30:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32220

Lab No. : 1510856-004
Client Sample ID: TP010-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromodichloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Bromoform	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Bromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Carbon disulfide	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Carbon tetrachloride	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Chlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Chloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Chloroform	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Chloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Dibromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Dibromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Dichlorodifluoromethane	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Ethylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Hexachlorobutadiene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Isopropylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
m,p-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Methylene chloride	< 11		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Naphthalene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
n-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
n-Propylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
o-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
sec-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Styrene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
tert-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Tetrachloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Toluene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01
Trichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 3:19 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 10/21/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Schenectady, NY 12308
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Collected : 10/12/2015 1:30:00 PM
Received : 10/12/2015
Collected By CLIENT

AS32220

Lab No. : 1510856-004
Client Sample ID: TP010-BOTTOM

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Trichlorofluoromethane	< 2.2		1	µg/Kg-dry			10/16/2015 3:19 PM	Container-01 of 01
Vinyl acetate	< 2.2		1	µg/Kg-dry			10/16/2015 3:19 PM	Container-01 of 01
Vinyl chloride	< 2.2		1	µg/Kg-dry			10/16/2015 3:19 PM	Container-01 of 01
Xylene (total)	< 2.2		1	µg/Kg-dry			10/16/2015 3:19 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	83.2		1	%REC	Limit	33-145	10/16/2015 3:19 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	74.4		1	%REC	Limit	60-148	10/16/2015 3:19 PM	Container-01 of 01
Surr: Toluene-d8	98.9		1	%REC	Limit	60-132	10/16/2015 3:19 PM	Container-01 of 01

NOTES:
B= Analyte found in method blank @ 5.53 ug/kg.
Results may be biased low due to sample not being collected according to 5035A low level specifications.

5

Qualifiers: E = Value above quantitation range, Value estimated.
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AS32220

Lab No. : 1510856-004
Client Sample ID: TP010-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2,4-Dichlorophenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2,4-Dimethylphenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2,4-Dinitrophenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2,4-Dinitrotoluene	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2,6-Dinitrotoluene	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2-Chloronaphthalene	< 180		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2-Chlorophenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2-Methylnaphthalene	< 180		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2-Methylphenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2-Nitroaniline	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
2-Nitrophenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
3-Nitroaniline	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
4-Chloroaniline	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
4-Nitroaniline	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
4-Nitrophenol	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Acenaphthene	< 180		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Acenaphthylene	< 180		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Anthracene	< 180		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Benzo(a)anthracene	1,900		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Benzo(a)pyrene	2,600		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Benzo(b)fluoranthene	5,100		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Benzo(g,h,i)perylene	1,300		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Benzo(k)fluoranthene	1,600		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 370		1	µg/Kg-dry	10/16/2015 4:45 AM	Container-01 of 01

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Project Manager

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LABORATORY RESULTS

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Received : 10/12/2015
Collected By CLIENT

AS32220

Lab No. : 1510856-004
Client Sample ID: TP010-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethyl)ether	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Butyl benzyl phthalate	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Carbazole	< 180		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Chrysene	2,400		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Dibenzo(a,h)anthracene	440		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Dibenzofuran	< 180		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Diethylphthalate	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Dimethylphthalate	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Di-n-butyl phthalate	1,000		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Di-n-octyl phthalate	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Fluoranthene	2,100		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Fluorene	< 180		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Hexachlorobenzene	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Hexachlorobutadiene	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 370	c	1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Hexachloroethane	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	1,300		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Isophorone	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Naphthalene	< 180		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Nitrobenzene	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Pentachlorophenol	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Phenanthrene	690		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Phenol	< 370		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Pyrene	2,000		1	µg/Kg-dry			10/16/2015 4:45 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	72.4		1	%REC	Limit	20-130	10/16/2015 4:45 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	75.1		1	%REC	Limit	19-122	10/16/2015 4:45 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	82.7		1	%REC	Limit	20-130	10/16/2015 4:45 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	120	S	1	%REC	Limit	30-115	10/16/2015 4:45 AM	Container-01 of 01
Surr: 2-Fluorophenol	75.9		1	%REC	Limit	25-121	10/16/2015 4:45 AM	Container-01 of 01

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Caitlin Panzarella
Project Manager

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Date Reported : 10/21/2015

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AS32220

Lab No. : 1510856-004
Client Sample ID: TP010-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 4-Terphenyl-d14	109		1	%REC	Limit	18-137	10/16/2015 4:45 AM	Container-01 of 01
Surr: Nitrobenzene-d5	86.8		1	%REC	Limit	23-120	10/16/2015 4:45 AM	Container-01 of 01
Surr: Phenol-d5	86.7		1	%REC	Limit	24-113	10/16/2015 4:45 AM	Container-01 of 01

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

Analytical Method: D2216 : Analyst: JL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	9.8		1	wt%	10/14/2015 5:51 PM	Container-01 of 01

5

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Attn To : William A. Kotas
Collected : 10/12/2015
Received : 10/12/2015
Collected By CLIENT

AS32221

Lab No. : 1510856-005
Client Sample ID: DUP-X

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,1,1-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,1,2-Trichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,1-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,1-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,1-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2,3-Trichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.2	c	1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2-Dibromoethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2-Dichloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,2-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,3-Dichloropropane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
2,2-Dichloropropane	< 2.2	c	1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
2-Butanone	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
2-Chloroethylvinyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
2-Hexanone	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
4-Isopropyltoluene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
4-Methyl-2-pentanone	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Acetone	< 11		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Benzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Bromobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Bromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01

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R = Reporting limit below calibration range. Value estimated.
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Caitlin Panzarella
Project Manager

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Date Reported : 10/21/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 10/12/2015
Received : 10/12/2015
Collected By CLIENT

AS32221

Lab No. : 1510856-005
Client Sample ID: DUP-X

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromodichloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Bromoform	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Bromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Carbon disulfide	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Carbon tetrachloride	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Chlorobenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Chloroethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Chloroform	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Chloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Dibromochloromethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Dibromomethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Dichlorodifluoromethane	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Ethylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Hexachlorobutadiene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Isopropylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
m,p-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Methylene chloride	< 11		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Naphthalene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
n-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
n-Propylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
o-Xylene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
sec-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Styrene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
tert-Butylbenzene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Tetrachloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Toluene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01
Trichloroethene	< 2.2		1	µg/Kg-dry	10/16/2015 4:09 PM	Container-01 of 01

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Collected : 10/12/2015
Received : 10/12/2015
Collected By CLIENT

AS32221

Lab No. : 1510856-005
Client Sample ID: DUP-X

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Trichlorofluoromethane	< 2.2		1	µg/Kg-dry		10/16/2015 4:09 PM	Container-01 of 01
Vinyl acetate	< 2.2		1	µg/Kg-dry		10/16/2015 4:09 PM	Container-01 of 01
Vinyl chloride	< 2.2		1	µg/Kg-dry		10/16/2015 4:09 PM	Container-01 of 01
Xylene (total)	< 2.2		1	µg/Kg-dry		10/16/2015 4:09 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	88.5		1	%REC	Limit 33-145	10/16/2015 4:09 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	75.5		1	%REC	Limit 60-148	10/16/2015 4:09 PM	Container-01 of 01
Surr: Toluene-d8	99.9		1	%REC	Limit 60-132	10/16/2015 4:09 PM	Container-01 of 01

5

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AS32221

Lab No. : 1510856-005
Client Sample ID: DUP-X

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2,4-Dichlorophenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2,4-Dimethylphenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2,4-Dinitrophenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2,4-Dinitrotoluene	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2,6-Dinitrotoluene	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2-Chloronaphthalene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2-Chlorophenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2-Methylnaphthalene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2-Methylphenol	< 360		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2-Nitroaniline	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
2-Nitrophenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
3,3´-Dichlorobenzidine	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
3-Nitroaniline	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
4-Bromophenyl-phenylether	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
4-Chloroaniline	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
4-Chlorophenyl-phenylether	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
4-Nitroaniline	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
4-Nitrophenol	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Acenaphthene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Acenaphthylene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Anthracene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Benzo(a)anthracene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Benzo(a)pyrene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Benzo(b)fluoranthene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Benzo(g,h,i)perylene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Benzo(k)fluoranthene	< 180		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 370		1	µg/Kg-dry	10/15/2015 10:32 PM	Container-01 of 01

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Attn To : William A. Kotas
Collected : 10/12/2015
Received : 10/12/2015
Collected By CLIENT

AS32221

Lab No. : 1510856-005
Client Sample ID: DUP-X

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethyl)ether	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Butyl benzyl phthalate	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Carbazole	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Chrysene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Dibenzo(a,h)anthracene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Dibenzofuran	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Diethylphthalate	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Dimethylphthalate	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Di-n-butyl phthalate	770		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Di-n-octyl phthalate	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Fluoranthene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Fluorene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Hexachlorobenzene	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Hexachlorobutadiene	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Hexachlorocyclopentadiene	< 370	c	1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Hexachloroethane	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Isophorone	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Naphthalene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Nitrobenzene	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
N-Nitrosodiphenylamine	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Pentachlorophenol	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Phenanthrene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Phenol	< 370		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Pyrene	< 180		1	µg/Kg-dry			10/15/2015 10:32 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	65.0		1	%REC	Limit	20-130	10/15/2015 10:32 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	65.5		1	%REC	Limit	19-122	10/15/2015 10:32 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	64.0		1	%REC	Limit	20-130	10/15/2015 10:32 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	70.1		1	%REC	Limit	30-115	10/15/2015 10:32 PM	Container-01 of 01
Surr: 2-Fluorophenol	66.7		1	%REC	Limit	25-121	10/15/2015 10:32 PM	Container-01 of 01

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AS32221

Lab No. : 1510856-005
Client Sample ID: DUP-X

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 10/14/2015 9:21:17 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 4-Terphenyl-d14	76.7		1	%REC	Limit	18-137	10/15/2015 10:32 PM	Container-01 of 01
Surr: Nitrobenzene-d5	75.1		1	%REC	Limit	23-120	10/15/2015 10:32 PM	Container-01 of 01
Surr: Phenol-d5	74.4		1	%REC	Limit	24-113	10/15/2015 10:32 PM	Container-01 of 01

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

Analytical Method: D2216 : Analyst: JL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	9.7		1	wt%	10/14/2015 5:51 PM	Container-01 of 01

5

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **52441**

Sample ID **MB-52441** SampType: **MBLK** TestCode: **8270_SSTAR** Units: **µg/Kg** Prep Date: **10/14/2015** RunNo: **85265**
Client ID: **PBS** Batch ID: **52441** TestNo: **SW8270** **SW3545** Analysis Date: **10/15/2015** SeqNo: **1847886**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	< 330	330									
Naphthalene	< 330	330									
Acenaphthene	< 330	330									
Fluorene	< 330	330									
Phenanthrene	< 330	330									
Anthracene	< 330	330									
Fluoranthene	< 330	330									
Pyrene	< 330	330									
Benzo(a)anthracene	< 330	330									
Chrysene	< 330	330									
Benzo(b)fluoranthene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Benzo(a)pyrene	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Dibenzo(a,h)anthracene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Surr: Nitrobenzene-d5	1,200		1,667		69.1	23	120				
Surr: 2-Fluorobiphenyl	1,200		1,667		69.7	30	115				
Surr: 4-Terphenyl-d14	1,500		1,667		90.7	18	137				
Surr: 1,2-Dichlorobenzene-d4	1,100		1,667		68.6	20	130				

Sample ID **LFB-52441** SampType: **LFB** TestCode: **8270_SSTAR** Units: **µg/Kg** Prep Date: **10/14/2015** RunNo: **85265**
Client ID: **ZZZZZZ** Batch ID: **52441** TestNo: **SW8270** **SW3545** Analysis Date: **10/15/2015** SeqNo: **1847887**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **52441**

Sample ID **LFB-52441**	SampType: **LFB**	TestCode: **8270_SSTAR**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85265**
Client ID: **ZZZZZZ**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/15/2015**	SeqNo: **1847887**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	1,200	330	1,667	0	70.0	43	107				
Naphthalene	1,300	330	1,667	0	77.8	18	142				
Acenaphthene	1,100	330	1,667	0	68.5	45	109				
Fluorene	1,400	330	1,667	0	85.1	47	108				
Phenanthrene	1,100	330	1,667	0	67.6	47	124				
Anthracene	1,200	330	1,667	0	69.7	50	117				
Fluoranthene	1,300	330	1,667	0	76.9	45	126				
Pyrene	1,300	330	1,667	0	77.5	49	132				
Benzo(a)anthracene	1,200	330	1,667	0	71.0	52	116				
Chrysene	1,300	330	1,667	0	75.1	48	121				
Benzo(b)fluoranthene	1,400	330	1,667	0	81.8	45	122				
Benzo(k)fluoranthene	1,400	330	1,667	0	82.5	54	124				
Benzo(a)pyrene	1,300	330	1,667	0	76.0	56	119				
Indeno(1,2,3-cd)pyrene	1,500	330	1,667	0	89.9	50	108				
Dibenzo(a,h)anthracene	1,400	330	1,667	0	85.7	52	109				
Benzo(g,h,i)perylene	1,600	330	1,667	0	94.2	30	107				
Surr: Nitrobenzene-d5	1,400		1,667		84.4	23	120				
Surr: 2-Fluorobiphenyl	1,300		1,667		78.9	30	115				
Surr: 4-Terphenyl-d14	1,400		1,667		81.1	18	137				
Surr: 1,2-Dichlorobenzene-d4	1,200		1,667		69.4	20	130				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **52441**

Sample ID **MB-52441** SampType: **MBLK** TestCode: **8270_S_TCL** Units: **µg/Kg** Prep Date: **10/14/2015** RunNo: **85241**
Client ID: **PBS** Batch ID: **52441** TestNo: **SW8270** **SW3545** Analysis Date: **10/15/2015** SeqNo: **1847774**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	< 330	330									
Acenaphthylene	< 330	330									
Acenaphthene	< 330	330									
Fluorene	< 330	330									
Phenanthrene	< 330	330									
Anthracene	< 330	330									
Fluoranthene	< 330	330									
Pyrene	< 330	330									
Benzo(a)anthracene	< 330	330									
Chrysene	< 330	330									
Benzo(b)fluoranthene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Benzo(a)pyrene	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Dibenzo(a,h)anthracene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Surr: 2-Fluorophenol	1,800		2,500		70.5	25	121				
Surr: Nitrobenzene-d5	1,200		1,667		69.1	23	120				
Surr: Phenol-d5	1,800		2,500		71.4	24	113				
Surr: 2,4,6-Tribromophenol	1,500		2,500		58.9	19	122				
Surr: 2-Fluorobiphenyl	1,200		1,667		69.7	30	115				
Surr: 4-Terphenyl-d14	1,500		1,667		90.7	18	137				
Surr: 2-Chlorophenol-d4	1,900		2,500		74.4	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,100		1,667		68.6	20	130				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **52441**

Sample ID **LFB-52441**	SampType: **LFB**	TestCode: **8270_S_TCL**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85241**
Client ID: **ZZZZZZ**	Batch ID: **52441**	TestNo: **SW8270** **SW3545**		Analysis Date: **10/15/2015**	SeqNo: **1847775**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,300	330	1,667	0	77.8	18	142				
Acenaphthylene	1,200	330	1,667	0	70.0	43	107				
Acenaphthene	1,100	330	1,667	0	68.5	45	109				
Fluorene	1,400	330	1,667	0	85.1	47	108				
Phenanthrene	1,100	330	1,667	0	67.6	47	124				
Anthracene	1,200	330	1,667	0	69.7	50	117				
Fluoranthene	1,300	330	1,667	0	76.9	45	126				
Pyrene	1,300	330	1,667	0	77.5	49	132				
Benzo(a)anthracene	1,200	330	1,667	0	71.0	52	116				
Chrysene	1,300	330	1,667	0	75.1	48	121				
Benzo(b)fluoranthene	1,400	330	1,667	0	81.8	45	122				
Benzo(k)fluoranthene	1,400	330	1,667	0	82.5	54	124				
Benzo(a)pyrene	1,300	330	1,667	0	76.0	56	119				
Indeno(1,2,3-cd)pyrene	1,500	220	1,667	0	89.9	50	108				
Dibenzo(a,h)anthracene	1,400	220	1,667	0	85.7	52	109				
Benzo(g,h,i)perylene	1,600	330	1,667	0	94.2	30	107				
Surr: 2-Fluorophenol	1,800		2,500		70.0	25	121				
Surr: Nitrobenzene-d5	1,400		1,667		84.4	23	120				
Surr: Phenol-d5	1,700		2,500		68.5	24	113				
Surr: 2,4,6-Tribromophenol	2,100		2,500		83.8	19	122				
Surr: 2-Fluorobiphenyl	1,300		1,667		78.9	30	115				
Surr: 4-Terphenyl-d14	1,400		1,667		81.1	18	137				
Surr: 2-Chlorophenol-d4	1,900		2,500		74.6	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,200		1,667		69.4	20	130				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **MB-52441**	SampType: **MBLK**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **PBS**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/15/2015**	SeqNo: **1847785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	< 330	330									
Bis(2-chloroethyl)ether	< 330	330									
2-Chlorophenol	< 330	330									
2-Methylphenol	< 330	330									
N-Nitroso-di-n-propylamine	< 330	330									
Hexachloroethane	< 330	330									
Nitrobenzene	< 330	330									
Isophorone	< 330	330									
2-Nitrophenol	< 330	330									
2,4-Dimethylphenol	< 330	330									
Bis(2-chloroethoxy)methane	< 330	330									
2,4-Dichlorophenol	< 330	330									
Naphthalene	< 330	330									
4-Chloroaniline	< 330	330									
Hexachlorobutadiene	< 330	330									
4-Chloro-3-methylphenol	< 330	330									
2-Methylnaphthalene	< 330	330									
Hexachlorocyclopentadiene	< 330	330									
2,4,6-Trichlorophenol	< 330	330									
2,4,5-Trichlorophenol	< 830	830									
2-Chloronaphthalene	< 330	330									
2-Nitroaniline	< 830	830									
Dimethylphthalate	< 330	330									
2,6-Dinitrotoluene	< 330	330									
Acenaphthylene	< 330	330									
3-Nitroaniline	< 830	830									

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **MB-52441**	SampType: **MBLK**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **PBS**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/15/2015**	SeqNo: **1847785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	< 330	330									
2,4-Dinitrophenol	< 830	830									
4-Nitrophenol	< 830	830									
Dibenzofuran	< 330	330									
2,4-Dinitrotoluene	< 330	330									
Diethylphthalate	< 330	330									
Fluorene	< 330	330									
4-Chlorophenyl-phenylether	< 330	330									
4-Nitroaniline	< 830	830									
4,6-Dinitro-2-methylphenol	< 830	830									
N-Nitrosodiphenylamine	< 330	330									
4-Bromophenyl-phenylether	< 330	330									
Hexachlorobenzene	< 330	330									
Pentachlorophenol	< 830	830									
Phenanthrene	< 330	330									
Anthracene	< 330	330									
Carbazole	< 330	330									
Di-n-butyl phthalate	360	330									
Fluoranthene	< 330	330									
Pyrene	< 330	330									
Butyl benzyl phthalate	< 330	330									
3,3´-Dichlorobenzidine	< 330	330									
Benzo(a)anthracene	< 330	330									
Chrysene	< 330	330									
Bis(2-ethylhexyl)phthalate	< 330	330									
Di-n-octyl phthalate	< 330	330									

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **52441**

Sample ID **MB-52441**	SampType: **MBLK**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **PBS**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/15/2015**	SeqNo: **1847785**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Benzo(a)pyrene	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Dibenzo(a,h)anthracene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Surr: 2-Fluorophenol	1,800		2,500		70.5	25	121				
Surr: Nitrobenzene-d5	1,200		1,667		69.1	23	120				
Surr: Phenol-d5	1,800		2,500		71.4	24	113				
Surr: 2,4,6-Tribromophenol	1,500		2,500		58.9	19	122				
Surr: 2-Fluorobiphenyl	1,200		1,667		69.7	30	115				
Surr: 4-Terphenyl-d14	1,500		1,667		90.7	18	137				
Surr: 2-Chlorophenol-d4	1,900		2,500		74.4	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,100		1,667		68.6	20	130				

Sample ID **LFB-52441**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **ZZZZZZ**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/15/2015**	SeqNo: **1847786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,100	330	1,667	0	66.6	38	104				
Bis(2-chloroethyl)ether	1,000	330	1,667	0	62.1	32	116				
2-Chlorophenol	1,100	330	1,667	0	68.1	36	109				
2-Methylphenol	1,100	330	1,667	0	68.4	36	104				
N-Nitroso-di-n-propylamine	1,200	330	1,667	0	72.5	33	109				
Hexachloroethane	1,200	330	1,667	0	69.5	34	105				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **LFB-52441**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **ZZZZZZ**	Batch ID: **52441**	TestNo: **SW8270** **SW3545**		Analysis Date: **10/15/2015**	SeqNo: **1847786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	1,300	330	1,667	0	79.2	36	119				
Isophorone	1,300	330	1,667	0	77.3	14	129				
2-Nitrophenol	1,200	330	1,667	0	70.7	36	117				
2,4-Dimethylphenol	940	330	1,667	0	56.3	24	96				
Bis(2-chloroethoxy)methane	1,400	330	1,667	0	82.5	29	112				
2,4-Dichlorophenol	1,400	330	1,667	0	81.2	41	117				
Naphthalene	1,300	330	1,667	0	77.8	18	142				
4-Chloroaniline	840	330	1,667	0	50.4	29	88				
Hexachlorobutadiene	1,300	330	1,667	0	76.4	36	118				
4-Chloro-3-methylphenol	1,500	330	1,667	0	89.4	45	118				
2-Methylnaphthalene	1,200	330	1,667	0	74.8	31	135				
Hexachlorocyclopentadiene	760	330	1,667	0	45.4	10	97				
2,4,6-Trichlorophenol	1,200	330	1,667	0	74.1	45	110				
2,4,5-Trichlorophenol	1,200	830	1,667	0	69.3	45	111				
2-Chloronaphthalene	1,300	330	1,667	0	77.4	35	107				
2-Nitroaniline	1,400	830	1,667	0	85.0	42	118				
Dimethylphthalate	1,300	330	1,667	0	76.7	49	112				
2,6-Dinitrotoluene	1,200	330	1,667	0	73.9	50	109				
Acenaphthylene	1,200	330	1,667	0	70.0	43	107				
3-Nitroaniline	1,100	830	1,667	0	64.6	40	95				
Acenaphthene	1,100	330	1,667	0	68.5	45	109				
2,4-Dinitrophenol	< 830	830	1,667	0	40.7	10	80				
4-Nitrophenol	1,800	830	1,667	0	108	26	118				
Dibenzofuran	1,400	330	1,667	0	81.3	48	112				
2,4-Dinitrotoluene	1,400	330	1,667	0	83.8	49	112				
Diethylphthalate	1,300	330	1,667	0	79.6	51	114				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **LFB-52441**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **ZZZZZZ**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/15/2015**	SeqNo: **1847786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,400	330	1,667	0	85.1	47	108				
4-Chlorophenyl-phenylether	1,400	330	1,667	0	81.9	48	111				
4-Nitroaniline	1,000	830	1,667	0	61.5	46	110				
4,6-Dinitro-2-methylphenol	< 830	830	1,667	0	48.8	16	104				
N-Nitrosodiphenylamine	1,200	330	1,667	0	74.3	39	90				
4-Bromophenyl-phenylether	1,300	330	1,667	0	77.0	50	116				
Hexachlorobenzene	1,300	330	1,667	0	76.7	51	110				
Pentachlorophenol	850	830	1,667	0	50.7	22	115				
Phenanthrene	1,100	330	1,667	0	67.6	47	124				
Anthracene	1,200	330	1,667	0	69.7	50	117				
Carbazole	1,200	330	1,667	0	71.9	51	114				
Di-n-butyl phthalate	1,600	330	1,667	0	98.7	53	124				B
Fluoranthene	1,300	330	1,667	0	76.9	45	126				
Pyrene	1,300	330	1,667	0	77.5	49	132				
Butyl benzyl phthalate	1,100	330	1,667	0	68.9	54	130				
3,3´-Dichlorobenzidine	1,000	330	1,667	0	60.5	41	116				
Benzo(a)anthracene	1,200	330	1,667	0	71.0	52	116				
Chrysene	1,300	330	1,667	0	75.1	48	121				
Bis(2-ethylhexyl)phthalate	1,400	330	1,667	0	83.2	60	127				
Di-n-octyl phthalate	1,400	330	1,667	0	86.6	46	141				
Benzo(b)fluoranthene	1,400	330	1,667	0	81.8	45	122				
Benzo(k)fluoranthene	1,400	330	1,667	0	82.5	54	124				
Benzo(a)pyrene	1,300	330	1,667	0	76.0	56	119				
Indeno(1,2,3-cd)pyrene	1,500	330	1,667	0	89.9	50	108				
Dibenzo(a,h)anthracene	1,400	330	1,667	0	85.7	52	109				
Benzo(g,h,i)perylene	1,600	330	1,667	0	94.2	30	107				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **LFB-52441**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **ZZZZZZ**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/15/2015**	SeqNo: **1847786**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorophenol	1,800		2,500		70.0	25	121				
Surr: Nitrobenzene-d5	1,400		1,667		84.4	23	120				
Surr: Phenol-d5	1,700		2,500		68.5	24	113				
Surr: 2,4,6-Tribromophenol	2,100		2,500		83.8	19	122				
Surr: 2-Fluorobiphenyl	1,300		1,667		78.9	30	115				
Surr: 4-Terphenyl-d14	1,400		1,667		81.1	18	137				
Surr: 2-Chlorophenol-d4	1,900		2,500		74.6	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,200		1,667		69.4	20	130				

Sample ID **1510856-001BMS**	SampType: **MS**	TestCode: **8270_S_4-2**	Units: **µg/Kg-dry**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **TP010-N**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/16/2015**	SeqNo: **1847792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,500	360	1,810	0	84.6	38	104				
Bis(2-chloroethyl)ether	1,400	360	1,810	0	77.4	32	116				
2-Chlorophenol	1,500	360	1,810	0	83.0	36	109				
2-Methylphenol	1,400	360	1,810	0	77.1	36	104				
N-Nitroso-di-n-propylamine	1,600	360	1,810	0	90.7	33	109				
Hexachloroethane	1,500	360	1,810	0	85.1	34	105				
Nitrobenzene	1,800	360	1,810	0	101	36	119				
Isophorone	1,700	360	1,810	0	91.9	14	129				
2-Nitrophenol	1,700	360	1,810	0	95.7	36	117				
2,4-Dimethylphenol	730	360	1,810	0	40.4	24	96				
Bis(2-chloroethoxy)methane	1,700	360	1,810	0	96.0	29	112				
2,4-Dichlorophenol	1,700	360	1,810	0	92.7	41	117				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

PACE ANALYTICAL
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TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **1510856-001BMS** SampType: **MS** TestCode: **8270_S_4-2** Units: **µg/Kg-dry** Prep Date: **10/14/2015** RunNo: **85262**

Client ID: **TP010-N** Batch ID: **52441** TestNo: **SW8270** **SW3545** Analysis Date: **10/16/2015** SeqNo: **1847792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,700	360	1,810	0	95.2	18	142				
4-Chloroaniline	670	360	1,810	0	36.9	29	88				
Hexachlorobutadiene	1,600	360	1,810	0	87.5	36	118				
4-Chloro-3-methylphenol	1,800	360	1,810	0	99.9	45	118				
2-Methylnaphthalene	1,700	360	1,810	0	92.7	31	135				
Hexachlorocyclopentadiene	1,100	360	1,810	0	60.9	10	97				
2,4,6-Trichlorophenol	1,700	360	1,810	0	92.8	45	110				
2,4,5-Trichlorophenol	1,700	900	1,810	0	95.7	45	111				
2-Chloronaphthalene	1,700	360	1,810	0	96.7	35	107				
2-Nitroaniline	2,100	900	1,810	0	113	42	118				
Dimethylphthalate	1,600	360	1,810	0	88.5	49	112				
2,6-Dinitrotoluene	1,700	360	1,810	0	93.8	50	109				
Acenaphthylene	1,600	360	1,810	0	90.1	43	107				
3-Nitroaniline	1,200	900	1,810	0	66.9	40	95				
Acenaphthene	1,800	360	1,810	0	96.9	45	109				
2,4-Dinitrophenol	970	900	1,810	0	53.6	10	80				
4-Nitrophenol	2,500	900	1,810	0	136	26	118				S
Dibenzofuran	1,800	360	1,810	0	97.7	48	112				
2,4-Dinitrotoluene	1,800	360	1,810	0	102	49	112				
Diethylphthalate	1,700	360	1,810	0	94.3	51	114				
Fluorene	1,800	360	1,810	0	101	47	108				
4-Chlorophenyl-phenylether	1,700	360	1,810	0	95.3	48	111				
4-Nitroaniline	1,100	900	1,810	0	61.9	46	110				
4,6-Dinitro-2-methylphenol	1,200	900	1,810	0	67.2	16	104				
N-Nitrosodiphenylamine	1,500	360	1,810	0	83.5	39	90				
4-Bromophenyl-phenylether	1,700	360	1,810	0	95.2	50	116				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **1510856-001BMS**	SampType: **MS**	TestCode: **8270_S_4-2**	Units: **µg/Kg-dry**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **TP010-N**	Batch ID: **52441**	TestNo: **SW8270** **SW3545**		Analysis Date: **10/16/2015**	SeqNo: **1847792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	1,700	360	1,810	0	94.6	51	110				
Pentachlorophenol	1,200	900	1,810	0	66.4	22	115				
Phenanthrene	1,700	360	1,810	102.6	89.7	47	124				
Anthracene	1,500	360	1,810	0	80.3	50	117				
Carbazole	1,500	360	1,810	0	82.6	51	114				
Di-n-butyl phthalate	2,100	360	1,810	884.4	67.4	53	124				B
Fluoranthene	1,600	360	1,810	221.1	77.2	45	126				
Pyrene	2,000	360	1,810	224.0	95.7	49	132				
Butyl benzyl phthalate	1,900	360	1,810	0	103	54	130				
3,3´-Dichlorobenzidine	470	360	1,810	0	26.2	41	116				S
Benzo(a)anthracene	1,800	360	1,810	166.9	88.0	52	116				
Chrysene	1,900	360	1,810	189.3	96.1	48	121				
Bis(2-ethylhexyl)phthalate	2,100	360	1,810	102.6	109	60	127				
Di-n-octyl phthalate	2,000	360	1,810	0	113	46	141				
Benzo(b)fluoranthene	2,100	360	1,810	287.6	99.0	45	122				
Benzo(k)fluoranthene	2,000	360	1,810	84.53	107	54	124				
Benzo(a)pyrene	2,000	360	1,810	192.9	102	56	119				
Indeno(1,2,3-cd)pyrene	1,700	360	1,810	163.3	86.9	50	108				
Dibenzo(a,h)anthracene	1,500	360	1,810	0	84.5	52	109				
Benzo(g,h,i)perylene	2,300	360	1,810	219.6	116	30	107				S
Surr: 2-Fluorophenol	2,200		2,715		80.3	25	121				
Surr: Nitrobenzene-d5	1,700		1,810		91.2	23	120				
Surr: Phenol-d5	2,200		2,715		79.8	24	113				
Surr: 2,4,6-Tribromophenol	2,400		2,715		89.9	19	122				
Surr: 2-Fluorobiphenyl	1,700		1,810		91.3	30	115				
Surr: 4-Terphenyl-d14	1,600		1,810		89.9	18	137				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **52441**

Sample ID **1510856-001BMS**	SampType: **MS**	TestCode: **8270_S_4-2**	Units: **µg/Kg-dry**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **TP010-N**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/16/2015**	SeqNo: **1847792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Chlorophenol-d4	2,400		2,715		87.8	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,300		1,810		70.5	20	130				

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

Sample ID **1510856-001BMSD**	SampType: **MSD**	TestCode: **8270_S_4-2**	Units: **µg/Kg-dry**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **TP010-N**	Batch ID: **52441**	TestNo: **SW8270**	**SW3545**	Analysis Date: **10/16/2015**	SeqNo: **1847794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,800	360	1,813	0	102	38	104	1,532	18.5	30	
Bis(2-chloroethyl)ether	1,800	360	1,813	0	99.6	32	116	1,402	25.2	30	
2-Chlorophenol	1,700	360	1,813	0	91.5	36	109	1,502	9.85	30	
2-Methylphenol	1,600	360	1,813	0	89.0	36	104	1,396	14.4	30	
N-Nitroso-di-n-propylamine	1,800	360	1,813	0	101	33	109	1,641	11.2	30	
Hexachloroethane	1,700	360	1,813	0	91.1	34	105	1,540	6.99	30	
Nitrobenzene	1,700	360	1,813	0	95.9	36	119	1,832	5.31	30	
Isophorone	1,600	360	1,813	0	87.9	14	129	1,664	4.36	30	
2-Nitrophenol	1,600	360	1,813	0	89.3	36	117	1,732	6.78	30	
2,4-Dimethylphenol	370	360	1,813	0	20.5	24	96	731.2	65.3	30	RS
Bis(2-chloroethoxy)methane	1,800	360	1,813	0	97.5	29	112	1,737	1.66	30	
2,4-Dichlorophenol	1,600	360	1,813	0	85.7	41	117	1,679	7.80	30	
Naphthalene	1,700	360	1,813	0	95.8	18	142	1,723	0.803	30	
4-Chloroaniline	560	360	1,813	0	30.7	29	88	668.2	18.3	30	
Hexachlorobutadiene	1,400	360	1,813	0	77.2	36	118	1,585	12.4	30	
4-Chloro-3-methylphenol	1,700	360	1,813	0	95.9	45	118	1,808	3.91	30	
2-Methylnaphthalene	1,600	360	1,813	0	90.6	31	135	1,678	2.18	30	

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **1510856-001BMSD**	SampType: **MSD**	TestCode: **8270_S_4-2**	Units: **µg/Kg-dry**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **TP010-N**	Batch ID: **52441**	TestNo: **SW8270** **SW3545**		Analysis Date: **10/16/2015**	SeqNo: **1847794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorocyclopentadiene	800	360	1,813	0	44.3	10	97	1,102	31.4	30	R
2,4,6-Trichlorophenol	1,400	360	1,813	0	79.1	45	110	1,680	15.8	30	
2,4,5-Trichlorophenol	1,600	900	1,813	0	89.9	45	111	1,732	6.07	30	
2-Chloronaphthalene	1,500	360	1,813	0	82.6	35	107	1,750	15.5	30	
2-Nitroaniline	1,700	900	1,813	0	95.9	42	118	2,052	16.5	30	
Dimethylphthalate	1,600	360	1,813	0	89.0	49	112	1,603	0.628	30	
2,6-Dinitrotoluene	1,500	360	1,813	0	81.5	50	109	1,698	13.9	30	
Acenaphthylene	1,600	360	1,813	0	86.3	43	107	1,630	4.08	30	
3-Nitroaniline	1,100	900	1,813	0	59.7	40	95	1,210	11.2	30	
Acenaphthene	1,600	360	1,813	0	90.5	45	109	1,755	6.78	30	
2,4-Dinitrophenol	< 900	900	1,813	0	49.0	10	80	970.1	200	30	
4-Nitrophenol	2,300	900	1,813	0	126	26	118	2,456	7.01	30	S
Dibenzofuran	1,700	360	1,813	0	95.6	48	112	1,769	2.06	30	
2,4-Dinitrotoluene	1,800	360	1,813	0	97.7	49	112	1,844	3.99	30	
Diethylphthalate	1,700	360	1,813	0	94.0	51	114	1,706	0.122	30	
Fluorene	1,700	360	1,813	0	92.7	47	108	1,834	8.77	30	
4-Chlorophenyl-phenylether	1,600	360	1,813	0	87.5	48	111	1,726	8.40	30	
4-Nitroaniline	1,000	900	1,813	0	55.5	46	110	1,121	10.8	30	
4,6-Dinitro-2-methylphenol	1,100	900	1,813	0	58.5	16	104	1,216	13.7	30	
N-Nitrosodiphenylamine	1,300	360	1,813	0	74.3	39	90	1,512	11.5	30	
4-Bromophenyl-phenylether	1,600	360	1,813	0	86.9	50	116	1,724	9.05	30	
Hexachlorobenzene	1,500	360	1,813	0	82.3	51	110	1,712	13.7	30	
Pentachlorophenol	1,100	900	1,813	0	59.6	22	115	1,202	10.7	30	
Phenanthrene	1,800	360	1,813	102.6	92.0	47	124	1,727	2.54	30	
Anthracene	1,600	360	1,813	0	89.7	50	117	1,454	11.2	30	
Carbazole	1,500	360	1,813	0	81.7	51	114	1,495	0.889	30	

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

Sample ID **1510856-001BMSD**	SampType: **MSD**	TestCode: **8270_S_4-2**	Units: **µg/Kg-dry**	Prep Date: **10/14/2015**	RunNo: **85262**
Client ID: **TP010-N**	Batch ID: **52441**	TestNo: **SW8270** **SW3545**		Analysis Date: **10/16/2015**	SeqNo: **1847794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-butyl phthalate	2,600	360	1,813	884.4	93.8	53	124	2,105	20.5	30	B
Fluoranthene	1,800	360	1,813	221.1	86.8	45	126	1,618	10.4	30	
Pyrene	2,400	360	1,813	224.0	118	49	132	1,957	18.6	30	
Butyl benzyl phthalate	1,700	360	1,813	0	93.4	54	130	1,874	10.1	30	
3,3´-Dichlorobenzidine	< 360	360	1,813	0	10.4	41	116	474.9	200	30	RS
Benzo(a)anthracene	1,900	360	1,813	166.9	94.5	52	116	1,761	6.50	30	
Chrysene	1,900	360	1,813	189.3	95.0	48	121	1,929	0.886	30	
Bis(2-ethylhexyl)phthalate	2,000	360	1,813	102.6	104	60	127	2,073	3.75	30	
Di-n-octyl phthalate	1,900	360	1,813	0	104	46	141	2,044	7.59	30	
Benzo(b)fluoranthene	2,400	360	1,813	287.6	114	45	122	2,080	12.3	30	
Benzo(k)fluoranthene	1,500	360	1,813	84.53	76.9	54	124	2,029	31.4	30	R
Benzo(a)pyrene	1,800	360	1,813	192.9	90.9	56	119	2,036	10.1	30	
Indeno(1,2,3-cd)pyrene	1,500	360	1,813	163.3	75.2	50	108	1,737	12.9	30	
Dibenzo(a,h)anthracene	1,500	360	1,813	0	83.5	52	109	1,529	1.01	30	
Benzo(g,h,i)perylene	1,500	360	1,813	219.6	72.3	30	107	2,314	40.7	30	R
Surr: 2-Fluorophenol	2,500		2,718		92.9	25	121		0	0	
Surr: Nitrobenzene-d5	1,700		1,813		92.0	23	120		0	0	
Surr: Phenol-d5	2,800		2,718		102	24	113		0	0	
Surr: 2,4,6-Tribromophenol	2,300		2,718		83.1	19	122		0	0	
Surr: 2-Fluorobiphenyl	1,700		1,813		92.5	30	115		0	0	
Surr: 4-Terphenyl-d14	2,100		1,813		114	18	137		0	0	
Surr: 2-Chlorophenol-d4	2,700		2,718		99.5	20	130		0	0	
Surr: 1,2-Dichlorobenzene-d4	1,600		1,813		87.3	20	130		0	0	

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

NOTES:
B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **52441**

B= Di-n-butyl phthalate found in method blank @5.45ug/Kg-dry

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **VBLK101615** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **85218**
Client ID: **PBS** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	< 10	10									
Chloromethane	< 10	10									
Vinyl chloride	< 10	10									
Bromomethane	< 10	10									
Chloroethane	< 10	10									
Trichlorofluoromethane	< 10	10									
1,1-Dichloroethene	< 10	10									
Acetone	< 10	10									
Methylene chloride	< 10	10									
trans-1,2-Dichloroethene	< 10	10									
Methyl tert-butyl ether	< 10	10									
1,1-Dichloroethane	< 10	10									
2,2-Dichloropropane	< 10	10									
cis-1,2-Dichloroethene	< 10	10									
2-Butanone	< 10	10									
Bromochloromethane	< 10	10									
Chloroform	< 10	10									
1,1,1-Trichloroethane	< 10	10									
1,1-Dichloropropene	< 10	10									
Carbon tetrachloride	< 10	10									
Benzene	< 10	10									
1,2-Dichloroethane	< 10	10									
Trichloroethene	< 10	10									
1,2-Dichloropropane	< 10	10									
Dibromomethane	< 10	10									
Bromodichloromethane	< 10	10									

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **VBLK101615** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **85218**
Client ID: **PBS** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	< 10	10									
4-Methyl-2-pentanone	< 10	10									
Toluene	< 10	10									
trans-1,3-Dichloropropene	< 10	10									
1,1,2-Trichloroethane	< 10	10									
Tetrachloroethene	< 10	10									
1,3-Dichloropropane	< 10	10									
Dibromochloromethane	< 10	10									
1,2-Dibromoethane	< 10	10									
Chlorobenzene	< 10	10									
Ethylbenzene	< 10	10									
1,1,1,2-Tetrachloroethane	< 10	10									
m,p-Xylene	< 10	10									
o-Xylene	< 10	10									
Xylene (total)	< 10	10									
Styrene	< 10	10									
Bromoform	< 10	10									
Isopropylbenzene	< 10	10									
1,1,2,2-Tetrachloroethane	< 10	10									
1,2,3-Trichloropropane	< 10	10									
Bromobenzene	< 10	10									
n-Propylbenzene	< 10	10									
2-Chlorotoluene/4-Chlorotoluene	< 10	10									
1,3,5-Trimethylbenzene/P-ethyltoluene	< 10	10									
tert-Butylbenzene	< 10	10									
1,2,4-Trimethylbenzene	< 10	10									

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **VBLK101615** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **85218**
Client ID: **PBS** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848573**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	< 10	10									
4-Isopropyltoluene	< 10	10									
1,3-Dichlorobenzene	< 10	10									
1,4-Dichlorobenzene	< 10	10									
Naphthalene	< 10	10									
n-Butylbenzene	< 10	10									
1,2,3-Trichlorobenzene	< 10	10									
1,2-Dichlorobenzene	< 10	10									
1,2-Dibromo-3-chloropropane	< 10	10									
Hexachlorobutadiene	< 10	10									
1,2,4-Trichlorobenzene	< 10	10									
Surr: 1,2-Dichloroethane-d4	44		50.00		87.4	33	145				
Surr: Toluene-d8	49		50.00		97.2	60	132				
Surr: 4-Bromofluorobenzene	41		50.00		82.9	60	148				

Sample ID **LFB101515** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **85218**
Client ID: **ZZZZZZ** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	42	10	50.00	0	83.7	10	155				
Chloromethane	66	10	50.00	0	132	44	139				
Vinyl chloride	61	10	50.00	0	121	45	137				
Bromomethane	83	10	50.00	0	167	32	186				
Chloroethane	75	10	50.00	0	150	50	159				
Trichlorofluoromethane	52	10	50.00	0	104	38	166				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **LFB101515** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **85218**

Client ID: **ZZZZZZ** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	59	10	50.00	0	117	47	152				
Acetone	54	10	50.00	0	109	23	196				
Methylene chloride	63	10	50.00	0	126	50	164				
trans-1,2-Dichloroethene	60	10	50.00	0	121	53	157				
Methyl tert-butyl ether	66	10	50.00	0	132	25	171				
1,1-Dichloroethane	60	10	50.00	0	121	53	160				
2,2-Dichloropropane	43	10	50.00	0	86.7	55	140				
cis-1,2-Dichloroethene	54	10	50.00	0	109	75	130				
2-Butanone	52	10	50.00	0	104	52	164				
Bromochloromethane	58	10	50.00	0	115	78	136				
Chloroform	51	10	50.00	0	103	71	135				
1,1,1-Trichloroethane	48	10	50.00	0	95.2	59	134				
1,1-Dichloropropene	51	10	50.00	0	103	56	130				
Carbon tetrachloride	49	10	50.00	0	97.8	57	135				
Benzene	54	10	50.00	0	107	65	129				
1,2-Dichloroethane	52	10	50.00	0	104	65	143				
Trichloroethene	50	10	50.00	0	101	62	130				
1,2-Dichloropropane	56	10	50.00	0	112	72	131				
Dibromomethane	54	10	50.00	0	109	75	136				
Bromodichloromethane	54	10	50.00	0	107	74	141				
cis-1,3-Dichloropropene	54	10	50.00	0	108	74	140				
4-Methyl-2-pentanone	62	10	50.00	0	124	63	154				
Toluene	51	10	50.00	0	101	66	131				
trans-1,3-Dichloropropene	52	10	50.00	0	104	66	144				
1,1,2-Trichloroethane	56	10	50.00	0	112	73	135				
Tetrachloroethene	51	10	50.00	0	102	10	176				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **LFB101515** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **85218**

Client ID: **ZZZZZZ** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	59	10	50.00	0	119	73	130				
Dibromochloromethane	54	10	50.00	0	109	71	133				
1,2-Dibromoethane	55	10	50.00	0	110	76	138				
Chlorobenzene	56	10	50.00	0	111	62	136				
Ethylbenzene	54	10	50.00	0	107	59	135				
1,1,1,2-Tetrachloroethane	53	10	50.00	0	107	74	140				
m,p-Xylene	110	10	100.0	0	106	69	133				
o-Xylene	54	10	50.00	0	107	71	135				
Xylene (total)	160	10	150.0	0	109	62	135				
Styrene	54	10	50.00	0	109	73	133				
Bromoform	50	10	50.00	0	99.5	59	136				
Isopropylbenzene	50	10	50.00	0	101	56	129				
1,1,2,2-Tetrachloroethane	51	10	50.00	0	102	69	132				
1,2,3-Trichloropropane	51	10	50.00	0	102	67	129				
Bromobenzene	53	10	50.00	0	106	63	130				
n-Propylbenzene	50	10	50.00	0	101	56	125				
2-Chlorotoluene/4-Chlorotoluene	98	10	100.0	0	98.4	62	125				
1,3,5-Trimethylbenzene/P-ethyltoluene	98	10	100.0	0	98.1	49	134				
tert-Butylbenzene	51	10	50.00	0	102	56	127				
1,2,4-Trimethylbenzene	47	10	50.00	0	94.4	59	126				
sec-Butylbenzene	50	10	50.00	0	99.1	50	126				
4-Isopropyltoluene	50	10	50.00	0	99.4	54	126				
1,3-Dichlorobenzene	54	10	50.00	0	107	64	124				
1,4-Dichlorobenzene	53	10	50.00	0	105	61	127				
Naphthalene	49	10	50.00	0	97.6	55	145				
n-Butylbenzene	50	10	50.00	0	100	54	121				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **LFB101515** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **85218**

Client ID: **ZZZZZZ** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	54	10	50.00	0	108	48	144				
1,2-Dichlorobenzene	54	10	50.00	0	108	67	125				
1,2-Dibromo-3-chloropropane	44	10	50.00	0	88.3	57	140				
Hexachlorobutadiene	47	10	50.00	0	93.8	19	152				
1,2,4-Trichlorobenzene	54	10	50.00	0	108	52	140				
Surr: 1,2-Dichloroethane-d4	42		50.00		84.8	33	145				
Surr: Toluene-d8	47		50.00		94.5	60	132				
Surr: 4-Bromofluorobenzene	42		50.00		83.5	60	148				

Sample ID **1510856-001AMS** SampType: **MS** TestCode: **8260_S_SUF** Units: **µg/Kg-dry** Prep Date: RunNo: **85218**

Client ID: **TP010-N** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	40	11	54.55	0	73.5	10	155				
Chloromethane	58	11	54.55	0	107	44	139				
Vinyl chloride	57	11	54.55	0	104	45	137				
Bromomethane	79	11	54.55	0	145	32	186				
Chloroethane	67	11	54.55	0	122	50	159				
Trichlorofluoromethane	50	11	54.55	0	91.4	38	166				
1,1-Dichloroethene	56	11	54.55	0	102	47	152				
Acetone	58	11	54.55	3.382	101	23	196				
Methylene chloride	60	11	54.55	1.626	107	50	164				
trans-1,2-Dichloroethene	56	11	54.55	0	102	53	157				
Methyl tert-butyl ether	62	11	54.55	0	114	25	171				
1,1-Dichloroethane	58	11	54.55	0	106	53	160				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **1510856-001AMS** SampType: **MS** TestCode: **8260_S_SUF** Units: **µg/Kg-dry** Prep Date: RunNo: **85218**

Client ID: **TP010-N** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	39	11	54.55	0	71.2	55	140				
cis-1,2-Dichloroethene	50	11	54.55	0	92.5	75	130				
2-Butanone	54	11	54.55	0	99.4	52	164				
Bromochloromethane	55	11	54.55	0	101	78	136				
Chloroform	49	11	54.55	1.276	87.3	71	135				
1,1,1-Trichloroethane	43	11	54.55	0	79.2	59	134				
1,1-Dichloropropene	46	11	54.55	0	84.1	56	130				
Carbon tetrachloride	43	11	54.55	0	78.8	57	135				
Benzene	49	11	54.55	0	89.9	65	129				
1,2-Dichloroethane	51	11	54.55	0	93.9	65	143				
Trichloroethene	46	11	54.55	0	85.1	62	130				
1,2-Dichloropropane	52	11	54.55	0	94.5	72	131				
Dibromomethane	51	11	54.55	0	92.6	75	136				
Bromodichloromethane	48	11	54.55	0	88.5	74	141				
cis-1,3-Dichloropropene	49	11	54.55	0	90.4	74	140				
4-Methyl-2-pentanone	61	11	54.55	0	113	63	154				
Toluene	46	11	54.55	0	83.6	66	131				
trans-1,3-Dichloropropene	47	11	54.55	0	86.3	66	144				
1,1,2-Trichloroethane	53	11	54.55	0	96.5	73	135				
Tetrachloroethene	57	11	54.55	0	105	10	176				
1,3-Dichloropropane	55	11	54.55	0	101	73	130				
Dibromochloromethane	51	11	54.55	0	92.7	71	133				
1,2-Dibromoethane	51	11	54.55	0	94.1	76	138				
Chlorobenzene	50	11	54.55	0	91.0	62	136				
Ethylbenzene	48	11	54.55	0	87.2	59	135				
1,1,1,2-Tetrachloroethane	49	11	54.55	0	89.9	74	140				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **1510856-001AMS** SampType: **MS** TestCode: **8260_S_SUF** Units: **µg/Kg-dry** Prep Date: RunNo: **85218**

Client ID: **TP010-N** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	94	11	109.1	0	86.3	69	133				
o-Xylene	48	11	54.55	0	88.3	71	135				
Xylene (total)	140	11	163.6	0	88.6	62	135				
Styrene	48	11	54.55	0	88.8	73	133				
Bromoform	47	11	54.55	0	86.6	59	136				
Isopropylbenzene	45	11	54.55	0	82.0	56	129				
1,1,2,2-Tetrachloroethane	49	11	54.55	0	90.4	69	132				
1,2,3-Trichloropropane	51	11	54.55	0	93.7	67	129				
Bromobenzene	48	11	54.55	0	87.5	63	130				
n-Propylbenzene	44	11	54.55	0	80.9	56	125				
2-Chlorotoluene/4-Chlorotoluene	86	11	109.1	0	79.2	62	125				
1,3,5-Trimethylbenzene/P-ethyltoluene	86	11	109.1	0	79.1	49	134				
tert-Butylbenzene	44	11	54.55	0	80.9	56	127				
1,2,4-Trimethylbenzene	42	11	54.55	0	77.3	59	126				
sec-Butylbenzene	43	11	54.55	0	79.0	50	126				
4-Isopropyltoluene	43	11	54.55	0	79.4	54	126				
1,3-Dichlorobenzene	46	11	54.55	0	84.6	64	124				
1,4-Dichlorobenzene	46	11	54.55	0	84.5	61	127				
Naphthalene	45	11	54.55	0	83.0	55	145				
n-Butylbenzene	42	11	54.55	0	76.5	54	121				
1,2,3-Trichlorobenzene	46	11	54.55	0	84.7	48	144				
1,2-Dichlorobenzene	48	11	54.55	0	87.7	67	125				
1,2-Dibromo-3-chloropropane	43	11	54.55	0	79.2	57	140				
Hexachlorobutadiene	37	11	54.55	0	68.2	19	152				
1,2,4-Trichlorobenzene	45	11	54.55	0	81.8	52	140				
Surr: 1,2-Dichloroethane-d4	47		54.55		86.6	33	145				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **1510856-001AMS** SampType: **MS** TestCode: **8260_S_SUF** Units: **µg/Kg-dry** Prep Date: RunNo: **85218**
Client ID: **TP010-N** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	52		54.55		94.7	60	132				
Surr: 4-Bromofluorobenzene	45		54.55		83.3	60	148				

Sample ID **1510856-001AMSD** SampType: **MSD** TestCode: **8260_S_SUF** Units: **µg/Kg-dry** Prep Date: RunNo: **85218**
Client ID: **TP010-N** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane	45	11	54.55	0	82.3	10	155	40.07	11.3	30	
Chloromethane	68	11	54.55	0	125	44	139	58.46	15.4	30	
Vinyl chloride	62	11	54.55	0	113	45	137	56.75	8.61	30	
Bromomethane	93	11	54.55	0	170	32	186	79.23	15.7	30	
Chloroethane	73	11	54.55	0	135	50	159	66.81	9.44	30	
Trichlorofluoromethane	54	11	54.55	0	99.7	38	166	49.84	8.71	30	
1,1-Dichloroethene	61	11	54.55	0	111	47	152	55.80	8.19	30	
Acetone	62	11	54.55	3.382	108	23	196	58.29	6.78	30	
Methylene chloride	65	11	54.55	1.626	117	50	164	59.81	8.76	30	
trans-1,2-Dichloroethene	59	11	54.55	0	107	53	157	55.87	4.82	30	
Methyl tert-butyl ether	66	11	54.55	0	121	25	171	62.36	5.81	30	
1,1-Dichloroethane	62	11	54.55	0	114	53	160	57.87	7.20	30	
2,2-Dichloropropane	43	11	54.55	0	78.2	55	140	38.84	9.40	30	
cis-1,2-Dichloroethene	55	11	54.55	0	102	75	130	50.45	9.54	30	
2-Butanone	55	11	54.55	0	101	52	164	54.24	1.34	30	
Bromochloromethane	58	11	54.55	0	107	78	136	55.29	5.34	30	
Chloroform	52	11	54.55	1.276	93.9	71	135	48.91	7.04	30	
1,1,1-Trichloroethane	49	11	54.55	0	89.2	59	134	43.19	11.9	30	

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.

Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **1510856-001AMSD** SampType: **MSD** TestCode: **8260_S_SUF** Units: **µg/Kg-dry** Prep Date: RunNo: **85218**

Client ID: **TP010-N** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	50	11	54.55	0	92.4	56	130	45.90	9.36	30	
Carbon tetrachloride	49	11	54.55	0	89.1	57	135	42.96	12.3	30	
Benzene	54	11	54.55	0	98.6	65	129	49.04	9.19	30	
1,2-Dichloroethane	53	11	54.55	0	97.0	65	143	51.21	3.27	30	
Trichloroethene	51	11	54.55	0	93.7	62	130	46.43	9.62	30	
1,2-Dichloropropane	56	11	54.55	0	103	72	131	51.53	8.82	30	
Dibromomethane	54	11	54.55	0	99.3	75	136	50.51	6.96	30	
Bromodichloromethane	53	11	54.55	0	97.3	74	141	48.28	9.51	30	
cis-1,3-Dichloropropene	54	11	54.55	0	99.0	74	140	49.33	9.02	30	
4-Methyl-2-pentanone	63	11	54.55	0	116	63	154	61.47	2.47	30	
Toluene	50	11	54.55	0	91.5	66	131	45.61	9.04	30	
trans-1,3-Dichloropropene	50	11	54.55	0	92.3	66	144	47.09	6.70	30	
1,1,2-Trichloroethane	56	11	54.55	0	103	73	135	52.66	6.13	30	
Tetrachloroethene	66	11	54.55	0	122	10	176	57.38	14.6	30	
1,3-Dichloropropane	60	11	54.55	0	109	73	130	55.27	7.71	30	
Dibromochloromethane	55	11	54.55	0	101	71	133	50.55	8.28	30	
1,2-Dibromoethane	54	11	54.55	0	98.2	76	138	51.32	4.29	30	
Chlorobenzene	54	11	54.55	0	99.1	62	136	49.66	8.46	30	
Ethylbenzene	52	11	54.55	0	96.2	59	135	47.57	9.86	30	
1,1,1,2-Tetrachloroethane	54	11	54.55	0	99.9	74	140	49.03	10.6	30	
m,p-Xylene	100	11	109.1	0	93.6	69	133	94.18	8.06	30	
o-Xylene	53	11	54.55	0	97.6	71	135	48.16	10.0	30	
Xylene (total)	160	11	163.6	0	97.1	62	135	145.0	9.14	30	
Styrene	52	11	54.55	0	95.5	73	133	48.45	7.21	30	
Bromoform	51	11	54.55	0	93.7	59	136	47.24	7.92	30	
Isopropylbenzene	50	11	54.55	0	92.2	56	129	44.73	11.7	30	

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1510856**

21-Oct-15

Client: Pace Analytical Services Inc.
Project: 15100280 B&L **BatchID:** **R85218**

Sample ID **1510856-001AMSD** SampType: **MSD** TestCode: **8260_S_SUF** Units: **µg/Kg-dry** Prep Date: RunNo: **85218**
Client ID: **TP010-N** Batch ID: **R85218** TestNo: **SW8260** Analysis Date: **10/16/2015** SeqNo: **1848587**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	54	11	54.55	0	98.5	69	132	49.31	8.58	30	
1,2,3-Trichloropropane	53	11	54.55	0	98.0	67	129	51.11	4.45	30	
Bromobenzene	52	11	54.55	0	95.8	63	130	47.73	9.06	30	
n-Propylbenzene	49	11	54.55	0	90.2	56	125	44.11	10.9	30	
2-Chlorotoluene/4-Chlorotoluene	96	11	109.1	0	87.7	62	125	86.41	10.2	30	
1,3,5-Trimethylbenzene/P-ethyltoluene	96	11	109.1	0	88.3	49	134	86.25	11.0	30	
tert-Butylbenzene	50	11	54.55	0	91.7	56	127	44.12	12.5	30	
1,2,4-Trimethylbenzene	47	11	54.55	0	86.2	59	126	42.19	10.8	30	
sec-Butylbenzene	49	11	54.55	0	89.7	50	126	43.08	12.7	30	
4-Isopropyltoluene	48	11	54.55	0	88.5	54	126	43.31	10.9	30	
1,3-Dichlorobenzene	50	11	54.55	0	92.2	64	124	46.14	8.58	30	
1,4-Dichlorobenzene	50	11	54.55	0	91.1	61	127	46.11	7.52	30	
Naphthalene	50	11	54.55	0	91.9	55	145	45.25	10.2	30	
n-Butylbenzene	47	11	54.55	0	85.8	54	121	41.71	11.6	30	
1,2,3-Trichlorobenzene	51	11	54.55	0	94.3	48	144	46.19	10.8	30	
1,2-Dichlorobenzene	52	11	54.55	0	95.7	67	125	47.84	8.70	30	
1,2-Dibromo-3-chloropropane	48	11	54.55	0	88.4	57	140	43.23	10.9	30	
Hexachlorobutadiene	44	11	54.55	0	80.3	19	152	37.20	16.2	30	
1,2,4-Trichlorobenzene	48	11	54.55	0	88.9	52	140	44.63	8.29	30	
Surr: 1,2-Dichloroethane-d4	45		54.55		83.4	33	145		0	0	
Surr: Toluene-d8	52		54.55		94.7	60	132		0	0	
Surr: 4-Bromofluorobenzene	44		54.55		81.5	60	148		0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **PACE-NY** Date and Time Received: **10/12/2015**

Work Order Number: **1510856** RcptNo: **1** Received by **Paige Doherty**

Completed by: Paige Doherty Reviewed by: Caitlin Panzarella

Completed Date: 10/12/2015 10:24:10 PM Reviewed Date: 10/16/2015 11:50:11 AM

Carrier name: PACE Pickup

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To 4.8 °	
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☑	No	☐		
Airbill or Sticker?	Air Bil	☐	Sticker	☐	Not Present	☑
Airbill No:						

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

5

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1510856

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

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PACE LI

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

Pace Analytical Services, Inc.

2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.pacelabs.com

LRF # 15100280
(LAB USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)

- ○ RETURN TO CLIENT
- ● DISPOSAL BY RECEIVING LAB
- ○ ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): **PACE**

PROJECT#/PROJECT NAME: **15100280**

LOCATION (CITY/STATE) ADDRESS: **NY**

PROJECT MANAGER: **Chelsea Farmer**

Project: **1368.001**

REQUIRED TURN AROUND TIME: **10/21/2015**

Notes:

NAME OF COURIER (IF USED):

ELECTRONIC RESULTS: Chelsea.Farmer@pacelabs.com; Nicole.Johnson@pacelabs.com

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE CODE:
BOTTLE TYPE:
BOTTLE SIZE:

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	NUMBER OF CONTAINERS	E8260C	E8270D						REMARKS:
TP010-N	10/12/15	13:40	S	GRAB	AS32217	6	X	X						MS/MSD
TP010-E	10/12/15	13:35	S	GRAB	AS32218	2	X	X						1510856
TP010-S	10/12/15	13:45	S	GRAB	AS32219	2	X	X						
TP010-BOTTOM	10/12/15	13:30	S	GRAB	AS32220	2	X	X						
DUP-X	10/12/15		S	GRAB	AS32221	2	X	X						

PRESERVATIVE KEY
0 - ICE
1 - HCL
2 - HNO3
3 - H2SO4
4 - NaOH
5 - Zn. Acetate
6 - MeOH
7 - NaHSO4
8 - Other (Na2SO3)

AMBIENT OR CHILLED: TEMP: 4.8
RECEIVED BROKEN OR LEAKING: Y (N)
COC TAPE: (Y) N
COC DISCREPANCIES: Y (N)
PROPERLY PRESERVED: (Y) N
RECVD W/I HOLDING TIMES: (Y) N

OTHER NOTES: Analytical Report [LEVEL-2] EDD: EQUIS-DEC-DE

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	Kelly C8	C. Murray	C. Murray	Paige Doherty		
PRINTED NAME	Kelly A. Curtin	C. Murray	C. Murray	Paige Doherty		
COMPANY	PACE	Pace Lab	Pace Lab	Pace-LI		
DATE/TIME	10/12/15	10-12-15	10-12-15	10/12/15		

9:54 pm

S:\LOGIN\MDLCOCS

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Pace Analytical™
www.pacelabs.com

New York Office
2190 Technology Dr.
Schenectady, NY 12308
(518) 346-4592

CHAIN-OF-CUSTODY / Analytical Request Document

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

<15100280P1>

151002801

Page: 1 of 1

Section A — **Required** Client Information:

Company:	Barton and Loguidice DPC
Address:	10 Airline Drive, Suite 200
	Albany, NY 12205
Email To:	nshaffer@bartonandloguidice.com
Phone:	518-218-1801
Fax:	518-218-1805
Requested Due Date/TAT:	Standard

Section B — **Required** Project Information:

Report To:	Andy Barber
Copy To:	Nathan Shaffer
	Rosemary McCormick
Purchase Order No.:	
Project Name:	ALCO
Project Number:	1368.001.001

Section C — Invoice Information:

Attention:	Accounts Payable
Company Name:	Barton and Loguidice, DPC
Address:	290 Elwood Davis Road, Box 3107 Syracuse NY, 13220
Pace Quote Reference:	00014909
Pace Project Manager:	Kelly Miller
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER NYSDEC

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☑ OTHER NY

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Filtered (Y/N)

Requested Analysis: VOCs (8260), SVOCs (8270)

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	VOCs (8260)	SVOCs (8270)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TP010-N MS/MSD	SL	G	—	—	10/12	13:40		6	X								X	X		AS32217
2	TP010-E	SL	G	—	—	↓	13:35		2	X								X	X		AS32218
3	TP010-S	SL	G	—	—	↓	13:45		2	X								X	X		AS32219
4	TP010-Bottom	SL	C	—	—	↓	13:30		2	X								X	X		AS32220
5	DUP-X	SL	G	—	—	10:12	—		2	X								X	X		AS32221
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
NYSDEC Part 375 List	[signature] / B&L	10/12/15	14:37	Kelly @ PACE	10/12/15	14:37	4.2	Ⓨ/N	Y/Ⓝ	Ⓨ/N
								Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: ROSEMARY McCORMICK

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 10/12/15

e-File(ALLQ020rev.4.29Mar06)22Jun2005

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<15100280P2>

1510J02802

Sample Condition Upon Receipt

CLIENT NAME: BAR-ALB

PROJECT : ALCO

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐ KAC 10/12/15

TRACKING # N/A

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☐ No ☐ N/A ☒

PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other ☐ ICE USED: Wet ☒ Blue ☐ None ☐

THERMOMETER USED: #164 ☒ IR Gun 03 ☐ #122087967 ☐ COOLER TEMPERATURE (°C): 4.2

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒ Temp should be above freezing to 6°C

COMMENTS: Temperature is Acceptable? ☒Yes ☐No

Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name / Signature on COC:	☒Yes	☐No		4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume:	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
- Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests:	☐Yes	☐No	☒N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☒Yes	☐No		12.
All containers needing preservation have been checked:	☐Yes	☐No	☒N/A	13.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐Yes	☐No	☒N/A	Initial when completed: N/A Lot # of added preservative: N/A
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	14.
Trip Blank Present:	☐Yes	☐No	☒N/A	15.
Trip Blank Custody Seals Present:	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot #: N/A				

Sample Receipt form filled in: _____

Line-Out (Includes Copying Shipping Documents and verifying sample pH): KAC 10/12/15

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): KAC 10/12/15

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): KAC 10/12/15

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

New York State Department of Environmental Conservation
Division of Environmental Remediation

Petroleum Bulk Storage Application

Pursuant to the Environmental Conservation Law: Article 17, Title 10; and
Regulations 6 NYCRR Part 613 and 6 NYCRR Subpart 374-2
(Please Type or Print Clearly and Complete All Items for Sections A, B & C)

PBS Number: 4-601508

Return Completed Form & Fees To:

Expiration Date:

Section A - Facility/Property Owner/Contact Information

Transaction Type: 3

1) Initial/New Facility
2) Change of Ownership
3) Tank Installation, Closing, or Repair
4) Information Correction
5) Renewal

FACILITY

Facility Name: MAXON ALCO HOLDINGS LLC.
Tax Map Info: Borough/Section:
Facility Address (Physical Address, No P.O. Boxes): 301 NOTT STREET
Block:
Facility Address (cont.):
Lot:
City: SCHENECTADY State: NY ZIP Code: 12305
County: SCHENECTADY Township/City: SCHENECTADY (C) Facility Phone Number: (518) 465-1565
Name of Class B (Daily On-Site) Operator: STEPHEN LUCIANO Operator Authorization No.
Name of Class A (Primary) Operator: STEPHEN LUCIANO Operator Authorization No.

TYPE OF PETROLEUM FACILITY (Check only one)

- ☐ 01=Storage Terminal/Petrol. Distributor
- ☐ 02=Retail Gasoline Sales
- ☐ 03=Other Retail Sales
- ☐ 04=Manufacturing
- ☐ 05=Utility
- ☐ 06=Trucking/Transportation/Fleet
- ☐ 07=Apartment/Office Building
- ☐ 08=School
- ☐ 09=Farm
- ☐ 10=Private Residence
- ☐ 11=Airline/Air Taxi/Airport
- ☐ 12=Chemical Distributor
- ☐ 13=Municipality
- ☐ 15=Railroad
- ☐ 25=Auto Service/Repair (No Gasoline Sales)
- ☐ 16=Nuclear Power Plant
- ☐ 26=Religious (Church, Synagogue, Mosque, Temple, etc.)
- ☐ 27=Hospital/Nursing Home/Health Care
- ☐ 28=Cemetery / Memorial
- ☐ 52=Marina
- ☒ 99=Other (Specify): BROWNFIELD CLEANUP SITE

NOTE:

Fill in Property Owner information here.....>>>

Indicate Tank Owner in Section C.

OWNER

Facility (Property) Owner (from Deed): MAXON ALCO HOLDINGS LLC.
Facility Owner Address (Street and/or P.O. Box): 695 ROTTERDAM INDUSTRIAL PARK
City: SCHENECTADY State: NY ZIP Code: 12306
Federal Tax ID Number: 27-0407456 Owner Telephone Number: (518) 465-1565

Type of Owner: (check only one)

1 ☐ Private Resident
2 ☐ State Government
3 ☐ Local Government
4 ☐ Federal Government
5 ☒ Corporate/Commercial/Other

Emergency Contact Name: STEPHEN LUCIANO
Emergency Telephone Number: (518) 465-1565

I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

Name of Property Owner or Authorized Representative: PAUL FALLATI
Amount Enclosed: $ 0.00
Title: AUTHORIZED REPRESENTATIVE
Signature: Paul Fallati Date: 3/25/16

Official Use Only
Date Received: ___/___/___
Date Processed: ___/___/___
Amount Received: $_____
Reviewed By: _____

Rev. 10/03/15

CORRESPONDENCE

(Please keep this information up to date) Facility Contact Person Name: STEPHEN LUCIANO
Contact Person Company Name: MAXON ALCO HOLDINGS LLC
Address: 695 ROTTERDAM INDUSTRIAL PARK
Address (cont.):
City/State/ZIP Code: SCHENECTADY, NY 12306
Tel. Number: (518) 465-1565 eMail Address: SLUCIANO@GALESI.COM

For Overdue Registrations Only:

If you are submitting an application for an overdue registration, you may settle the violation by submitting the normal fee, any back fees due, and a penalty of $50 for every month the application is overdue. If you decline to settle, or make no choice, the case will be referred for enforcement which may result in higher penalties to resolve the violations. Please indicate your choice below:

- ☐ I agree to settle and have enclosed the proper fees and penalty amounts.
- ☐ I decline to settle and understand that higher penalties may result.

PBS Number: 4-601508

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

Registration Expiration Date:

(1) Action	(2) Tank Number	(3) Tank Location	(4) Status	(5) Installation, Out of service or Permanent Closure Date (MM/DD/YYYY) **Application will be returned if blank**	(6) Capacity (Gallons)	(7) Product Stored (If Gasoline w/ethanol or Biodiesel, list %additive) %	(8) Tank Type	(9) Tank Internal Protection	(10) Tank External Protection	(11) Tank Secondary Containment	(12) Tank Leak Detection	(13) Tank Overfill Prevention	(14) Tank Spill Prevention	(15) Pumping/Dispensing Method	(16) Piping Location	(17) Piping Type	(18) Piping External Protection	(19) Piping Secondary Containment	(20) Piping Leak Detection	(21) Under Dispenser Containment (UDC) (Check box if present)
1/3	010	5	3	~~5/1/1995~~	10,000	0001	01	00	00	00	00	00	00	00	00	00	00	00	00	☐
				10/09/2015																☐
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Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed.
Blank Section B is available at http://www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf

PBS Number:
4-601508

Petroleum Bulk Storage Application

Section C – Tank Ownership Information (for PBS tanks listed in Section B)

Tank Owner Information X☐ Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:			**Tank Owner Information**			**Tank Owner Information**		
Tank Owner Name (Company/Individual):			Tank Owner Name (Company/Individual):			Tank Owner Name (Company/Individual):		
Contact Person:			Contact Person:			Contact Person:		
Tank Owner Address:			Tank Owner Address:			Tank Owner Address:		
Tank Owner Address (cont.)			Tank Owner Address (cont.)			Tank Owner Address (cont.)		
City:	State:	ZIP:	City:	State:	ZIP:	City:	State:	ZIP:
Contact Person Telephone Number:			Contact Person Telephone Number:			Contact Person Telephone Number:		
Contact Person Email:			Contact Person Email:			Contact Person Email:		

Specific Tanks Owned ☐ Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		**Specific Tanks Owned**		**Specific Tanks Owned**	
Tank Number	Tank Number (cont.)	Tank Number	Tank Number (cont.)	Tank Number	Tank Number (cont.)

Attach additional sheets as needed.

PETROLEUM BULK STORAGE APPLICATION – SECTION B – TANK INFORMATION – CODE KEYS

Action (1)
1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)
1. Aboveground-contact w/ soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Tank with 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/ access for inspections

Status (4)
1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed-In Place
5. Tank converted to Non-Regulated use

D. Delivery Prohibited

Products Stored (7)

Heating Oils: On-Site Consumption
0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Heating Oils: Resale/ Redistribution
2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil
2724. Biodiesel (Heating)

Motor Fuels
0009. Gasoline
2712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Lubricating/Cutting Oils
0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used as Building Materials
2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits
0014. White/Mineral Spirits
1731. Naphtha

Mineral/Insulating Oils
0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils
0022. Waste/Used Oil
9999. Other-Please list:*

Crude Oil
0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)
01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)
00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)
00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)
00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other-Please list*

Tank Leak Detection (12)
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection
99. Other-Please list:*

Overfill Protection (13)
00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)
00. None
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)
00. None
01. Pressurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser
07. Loading Rack/Transfer Pump

Piping Location (16)
00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)
00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)
00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list:*

Pipe Leak Detection (20)
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

Under Dispenser Containment (UDC) (21)
Check Box if Present

---

* If other, please list on a separate sheet including tank number.

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

September 2, 2016

Mr. John R. Strang, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Region 4
1130 South Westcott Road
Schenectady, New York 12306-2014

Via Electronic Mail

Re: Spill No. 1602325
ALCO – BCP Site C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, Inc. (B&L) has prepared the following report for the Spill 1602325 closure activities.

Summary of Spill Closure Activities

Excavation activities were undertaken on the southern riverbank in accordance with the approved November 2014 Addendum to the Excavation Work Plan (EXC-WP) dated May 2014. Petroleum impacted soil was encountered on June 7, 2016 and a Spill was reported (NYSDEC Spill No. 1602325). Approximately 300 tons of soil were removed and stockpiled on a separate storage area that was lined with plastic sheeting and bermed to prohibit run-off.

Visibly clean overlying soils were removed and utilized for site fill. Groundwater was encountered. Soil sampling of the excavation was conducted on June 7, 2016 with concurrence from NYSDEC on the number and locations of the soil samples.

Summary of Sample Results

A total of four soil samples were collected, at locations shown on the attached sketch. In addition to volatile organic compounds (VOCs), soil samples were also analyzed for semi-VOCs at the request of NYSDEC. Detections for VOCs and SVOCs are summarized on the attached table. SVOCs were detected in each three of the four soil samples. Two of the four samples had one or more of the following at concentrations above their respective Restricted Residential Soil Cleanup Objective (SCO):

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Chryzene

- Dibenzo(a,h)anthracene
- Indeno(1,2,3-cd)pyrene

The SVOCs that were detected are polynuclear aromatic hydrocarbons (PAHs), that are typically related to coal usage; the PAH detections are consistent with the site-wide PAH detections that constitute Area of Concern 3 that will be addressed by the soil cover. With respect to VOCs, there was one (1) petroleum-related detection. The detection was reported at a concentration roughly three orders of magnitude below the SCO. The laboratory results for the soil samples are also attached to this letter. No additional investigation or remediation is recommended for Spill 1602325.

Additional items to be forwarded to the NYSDEC upon receipt are non-hazardous waste manifests for disposal of associated contaminated soil.

Please feel free to contact the undersigned at (518) 218-1801 with any questions or need for additional information.

Very truly yours,

BARTON & LOGUIDICE, INC.

Andrew J. Barber
Sr. Environmental Consultant

AJB/akd
Enclosure
cc: Steve Porter, Esq. - Maxon ALCO Holdings LLC
Steve Luciano - Maxon ALCO Holdings LLC
Paul Fallati - Maxon ALCO Holdings LLC
Dean Sommer, Esq. - Young Sommer
Rich Ostrov - NYSDEC Region 4, OGC
Al DeMarco -NYSDOH

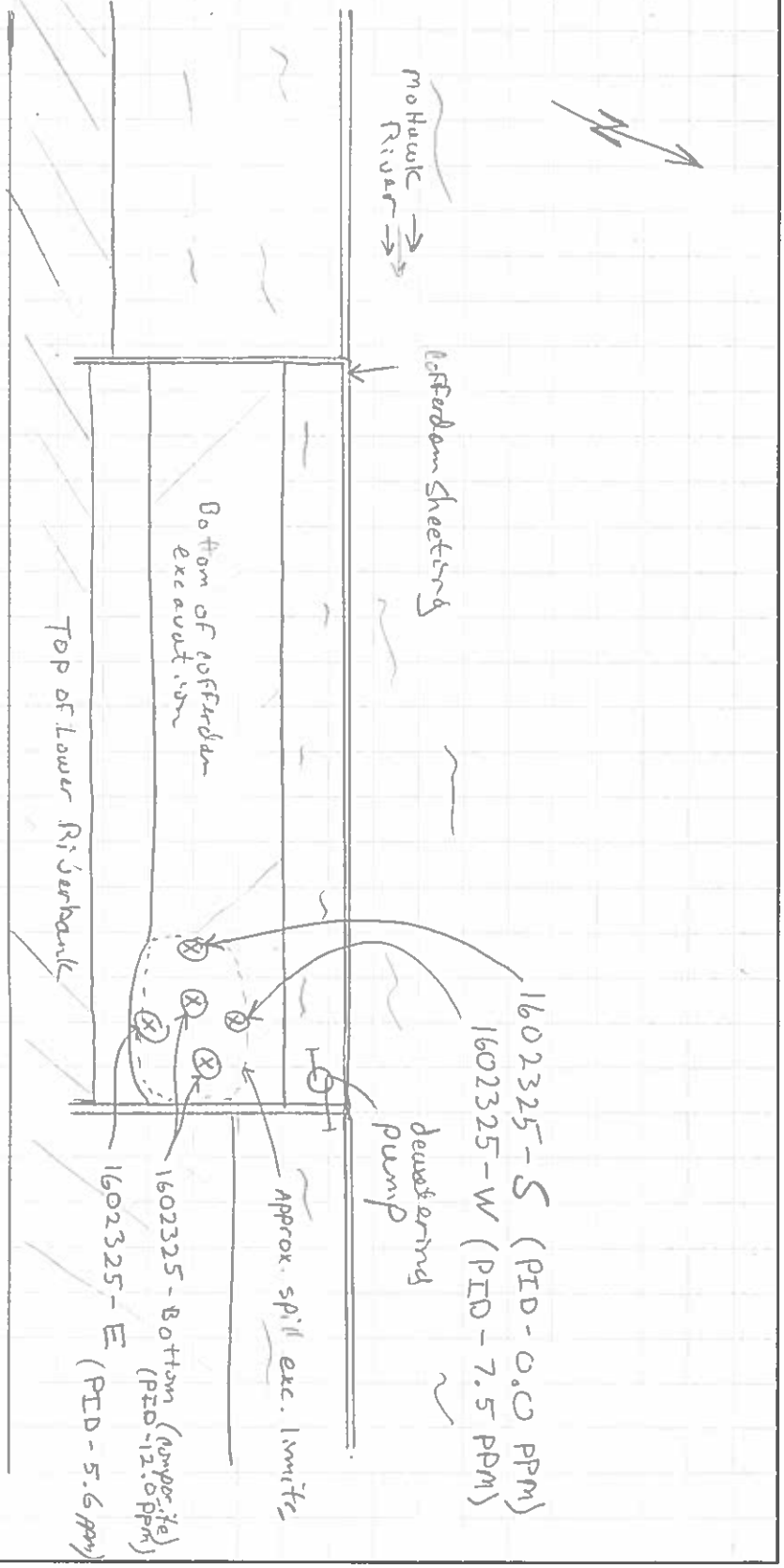
ALCO Brownfield Site 301 Nott Road, Schenectady NY						
Parameter	**NYSDEC Part 375 Restricted Use SCO's Restricted Residential (1)**	**Unit**	**1602325-W** **06/07/16**	**1602325-E** **06/07/16**	**1602325-S** **06/07/16**	**1602325-BOTTOM** **06/07/16**
VOCs						
Acetone	100,000	ug/Kg	ND	ND D	150 D	ND D
SVOCs						
Acenaphthene	100,000	ug/Kg	710	1,500	ND	4,100
Anthracene	100,000	ug/Kg	1,200	ND	ND	1,100
Benzo(a)anthracene	1,000	ug/Kg	**6,500** D	ND	ND	**4,200**
Benzo(a)pyrene	1,000	ug/Kg	**5,800** D	ND	ND	**4,100**
Benzo(b)fluoranthene	1,000	ug/Kg	**12,000** D	ND	ND	**7,300**
Benzo(g,h,i)perylene	100,000	ug/Kg	4,500	ND	ND	1,600
Benzo(k)fluoranthene	3,900	ug/Kg	**4,200**	ND	ND	2,400
Chrysene	3,900	ug/Kg	**7,700** D	ND	ND	**4,700**
Dibenzo(a,h)anthracene	330	ug/Kg	**1,500**	ND	ND	**700**
Dibenzofuran	59,000	ug/Kg	560	ND	ND	ND
Fluoranthene	100,000	ug/Kg	8,400 D	ND	ND	6,300
Fluorene	100,000	ug/Kg	770	2,600	ND	4,600
Indeno(1,2,3-cd)pyrene	500	ug/Kg	**4,400**	ND	ND	**1,900**
Phenanthrene	100,000	ug/Kg	5,200	ND	ND	7,100
Pyrene	100,000	ug/Kg	8,100 D	ND	ND	6,700

ND - Not Detected
D - Lab qualifier; results achieved through dilution.
Bold values indicate exceedances.

1. NYSDEC Part 375 Table 375-6.8(b) Restricted Use Soil Cleanup Objectives (SCOs) for the Protection of Public Health.

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
10 Airline Drive • Suite 200 • Albany, NY 12205
Telephone: (518) 218-1801 • Facsimile (518) 218-1805

JOB ALCO 1368,001.001
SHEET NO. _____ OF _____
CALCULATED BY NJS DATE 8/9/2016
CHECKED BY _____ DATE _____
DESCRIPTION SPILL 1602325 Confirmatory sample locations



(Not to scale)

⊗ Approximate confirmatory sample locations

Date Issued: June 17, 2016

Pace Analytical e-Report

Report prepared for:
BARTON AND LOGUIDICE
10 AIRLINE DRIVE
ALBANY, NY 12205
CONTACT: ANDY BARBER

Project ID: ALCO
Sampling Date(s): June 07, 2016
Lab Report ID: 16060161
Client Service Contact: Nick Nicholas (518) 346-4592

Analysis Included:
VOCs E8260C - Sub Pace LI
SVOCs E8270D - Sub Pace LI

Test results meet all National Environmental Laboratory Accreditation Conference (NELAC) requirements unless noted in the case narrative. The results contained within this 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 (460241)

Pace Analytical Services, Inc.| 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Table of Contents

CASE NARRATIVE

June 17, 2016

CASE NARRATIVE

This data package (SDG ID: 16060161) consists of 4 soil samples received on 06/07/2016. The samples are from Project Name: ALCO.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AT14057	1602325-W	06/07/2016 12:50
AT14058	1602325-E	06/07/2016 12:45
AT14059	1602325-S	06/07/2016 12:40
AT14060	1602325-BOTTOM	06/07/2016 12:35

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via DROP OFF delivery service on 06/07/2016.
(2.) All samples were received at the laboratory intact and within holding times.
(3.) All samples were received at the laboratory properly preserved with any exceptions listed below:
    a. Samples for Volatile Organic Compound analysis were not collected in accordance with the preservation requirements of method 5035.

Subcontract Analysis

Please see the Pace Analytical Services Long Island laboratory report for method and quality assurance details pertaining to Volatile Organic Compound analysis.

Subcontract Analysis

Please see the Pace Analytical Services Long Island laboratory report for method and quality assurance details pertaining to Semi Volatile Organic Compound analysis.

Respectfully submitted,

Nick Nicholas

Nick Nicholas
Project Manager

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 reanalyzed 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 – Adjusted Method Detection Limit.

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. PQLs are adjusted for sample weight/volume and dilution factors.

RL - Reporting Limit Denotes lowest analyte concentration reportable for the sample based on regulatory or project specific limits.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL) or the Reporting Limit (RL) or the Method Detection Limit (MDL) as applicable.

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

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Report

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fie ...tely.

160601611

Page: 1 of 1

1882620

Section A Required Client Information:

Company: Barton Loguidice INC
Address: 10 Airline Drive Suite 200 Albany, NY 12205
Email To: nshaffer@bartonloguidice.com
Phone: 518.218.1801 Fax: 518 218 1805
Requested Due Date/TAT: standard

Section B Required Project Information:

Report To: Andy Barber
Copy To: Nathan Shaffer
Purchase Order No.: ALCO2
Project Name:
Project Number: 1368.001.001

Section C Invoice Information:

Attention: Accounts Payable
Company Name: Barton and Loguidice PC
Address: 443 Electronics Parkway Liverpool NY 13088
Pace Quote Reference: 00014909
Pace Project Manager: Cathy Chen
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____
Site Location STATE: _____

Section D Required Client Information

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS (oz)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOC's - 8260*	SVOC's - 8270*	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	1602325-W	SL	G	—	—	6/7	12:50		2	X								X	X		* Part 375 Parameters AT14057
2	1602325-E	SL	G	—	—	6/7	12:45		2	X								X	X		AT14058
3	1602325-S	SL	G	—	—	6/7	12:40		2	X								X	X		AT14059
4	1602325-Bottom	SL	C	6/7	12:30	6/7	12:35		2	X								X	X		AT14060
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Nathan Shaffer	6/7/16	15:47	[signature]	6/7/16	15:47	15.8 (IR)	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nathan Shaffer
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/7/16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

<16060161P2>

160601612

Sample Condition Upon Receipt

CLIENT NAME: Barton Logistics

PROJECT: 13658.001.001

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐

TRACKING # N/A

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☒ No ☐ N/A ☐

PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other ☐

ICE USED: Wet ☒ Blue ☐ None ☐

THERMOMETER USED: #164 ☐ IR Gun 03 ☒ #160239773 ☐ #160239773-PRB ☐

COOLER TEMPERATURE (°C): 15.8

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒

COMMENTS:

Temperature is Acceptable? ☒Yes ☐No

Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name / Signature on COC:	☒Yes	☐No		4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume:	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
- Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests:	☐Yes	☐No	☒N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☐Yes	☒No		12. Collection time on COC of 12:35 for sample "1602325-13Bottom" does not match event label of 12:30
All containers needing preservation have been checked:	☐Yes	☐No	☐N/A	13. Samples not collected per method 5035 guidance.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐Yes	☒No	☐N/A	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	14.
Trip Blank Present:	☐Yes	☐No	☒N/A	15.
Trip Blank Custody Seals Present:	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot #: N/A				

Sample Receipt form filled in: QR 6/8

Line-Out (Includes Copying Shipping Documents and verifying sample pH): PMP 6/8/16

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): _____

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): PMP 6/8/16

SAMPLE RECEIPT

SAMPLE RECEIPT REPORT
16060161

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

CLIENT: BARTON AND LOGUIDICE
PROJECT: ALCO
LRF: 16060161
REPORT: ANALYTICAL REPORT
EDD: YES
LRF TAT: 7 DAYS

RECEIVED DATE: 06/07/2016 15:47
SHIPPED VIA: DROP OFF [1,2]
SHIPPING ID: N. SHAFFER
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): [5] 15.8 (IR) °C

SAMPLE SEALS INTACT: NA
SAMPLES PRESERVED PER METHOD GUIDANCE: NO
[3] **SAMPLES REC'D IN HOLDTIME:** YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:
SAMPLES FOR 8260 ANALYSIS NOT COLLECTED PER METHOD 5035 GUIDANCE.

COLLECTION TIME ON COC OF 12:35 FOR SAMPLE 1602325-BOTTOM DOES NOT MATCH CLIENT LABEL OF 12:30

CLIENT ID (LAB ID)	TAT-DUE Date [4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
1602325-W (AT14057)	7 DAYS 06-16-16	06/07/2016 12:50	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	
	7 DAYS 06-16-16	06/07/2016 12:50	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	
1602325-E (AT14058)	7 DAYS 06-16-16	06/07/2016 12:45	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	
	7 DAYS 06-16-16	06/07/2016 12:45	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	
1602325-S (AT14059)	7 DAYS 06-16-16	06/07/2016 12:40	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	
	7 DAYS 06-16-16	06/07/2016 12:40	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	
1602325-BOTTOM (AT14060)	7 DAYS 06-16-16	06/07/2016 12:35	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	
	7 DAYS 06-16-16	06/07/2016 12:35	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	

[1]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.
[2]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.
[3]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.
[4]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.
[5]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.
[6]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

Subcontract Analysis

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Case Narrative

WO#: **1606862**
Date: **6/17/2016**

CLIENT: Pace Analytical Services Inc.
Project: 16060161 - 1368.001

Samples not collected per method 5035A guidance. OK to proceed per COC.

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:50:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14057

Lab No. : 1606862-001
Client Sample ID: 1602325-W

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,1-Dichloroethane	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,1-Dichloroethene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,2-Dichloroethane	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
1,4-Dioxane	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
2-Butanone	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Acetone	< 11		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Benzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Carbon tetrachloride	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Chlorobenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Chloroform	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Ethylbenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Methylene chloride	< 11		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
n-Butylbenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
n-Propylbenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
sec-Butylbenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
tert-Butylbenzene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Tetrachloroethene	< 2.2	c	1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Toluene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Trichloroethene	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01
Vinyl chloride	< 2.2		1	µg/Kg-dry	06/14/2016 5:43 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Caitlin Panzarella
Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/17/2016

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:50:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14057

Lab No. : 1606862-001
Client Sample ID: 1602325-W

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 2.2		1	µg/Kg-dry			06/14/2016 5:43 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	114		1	%Rec	Limit	33-145	06/14/2016 5:43 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	102		1	%Rec	Limit	60-148	06/14/2016 5:43 PM	Container-01 of 01
Surr: Toluene-d8	97.4		1	%Rec	Limit	60-132	06/14/2016 5:43 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

5

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
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Caitlin Panzarella

Project Manager : Caitlin Panzarella

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:50:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14057

Lab No. : 1606862-001
Client Sample ID: 1602325-W

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 6/10/2016 12:00:12 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
2-Methylphenol	< 370		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 740		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Acenaphthene	710		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Acenaphthylene	< 370		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Anthracene	1,200		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Benzo(a)anthracene	6,500	D	10	µg/Kg-dry			06/15/2016 9:35 PM	Container-01 of 01
Benzo(a)pyrene	5,800	D	10	µg/Kg-dry			06/15/2016 9:35 PM	Container-01 of 01
Benzo(b)fluoranthene	12,000	D	10	µg/Kg-dry			06/15/2016 9:35 PM	Container-01 of 01
Benzo(g,h,i)perylene	4,500	c	1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Benzo(k)fluoranthene	4,200		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Chrysene	7,700	D	10	µg/Kg-dry			06/15/2016 9:35 PM	Container-01 of 01
Dibenzo(a,h)anthracene	1,500		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Dibenzofuran	560		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Fluoranthene	8,400	D	10	µg/Kg-dry			06/15/2016 9:35 PM	Container-01 of 01
Fluorene	770		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Hexachlorobenzene	< 370		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	4,400		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Pentachlorophenol	< 930		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Phenanthrene	5,200		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Phenol	< 370		1	µg/Kg-dry			06/14/2016 7:47 PM	Container-01 of 01
Pyrene	8,100	D	10	µg/Kg-dry			06/15/2016 9:35 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	64.1		1	%Rec	Limit	20-130	06/14/2016 7:47 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	86.5		1	%Rec	Limit	19-122	06/14/2016 7:47 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	70.2		1	%Rec	Limit	20-130	06/14/2016 7:47 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	92.0		1	%Rec	Limit	30-115	06/14/2016 7:47 PM	Container-01 of 01
Surr: 2-Fluorophenol	69.9		1	%Rec	Limit	25-121	06/14/2016 7:47 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	105		1	%Rec	Limit	18-137	06/14/2016 7:47 PM	Container-01 of 01
Surr: Nitrobenzene-d5	77.2		1	%Rec	Limit	23-120	06/14/2016 7:47 PM	Container-01 of 01
Surr: Phenol-d5	78.8		1	%Rec	Limit	24-113	06/14/2016 7:47 PM	Container-01 of 01

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Caitlin Panzarella
Project Manager : Caitlin Panzarella

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Date Reported : 6/17/2016

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Collected : 6/7/2016 12:50:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14057

Lab No. : 1606862-001
Client Sample ID: 1602325-W

Sample Information:
Type : Soil

Origin:

Analytical Method: D2216 :

Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	10.8		1	wt%	06/09/2016 3:30 PM	Container-01 of 01

5

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D.F. = Dilution Factor D = Results for Dilution
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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:45:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14058

Lab No. : 1606862-002
Client Sample ID: 1602325-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,1-Dichloroethane	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,1-Dichloroethene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,2-Dichlorobenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,2-Dichloroethane	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,3-Dichlorobenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,4-Dichlorobenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
1,4-Dioxane	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
2-Butanone	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Acetone	< 64	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Benzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Carbon tetrachloride	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Chlorobenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Chloroform	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Ethylbenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Methyl tert-butyl ether	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Methylene chloride	< 64	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
n-Butylbenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
n-Propylbenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
sec-Butylbenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
tert-Butylbenzene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Tetrachloroethene	< 13	Dc	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Toluene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Trichloroethene	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01
Vinyl chloride	< 13	D	5	µg/Kg-dry	06/14/2016 6:05 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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Caitlin Panzarella

Project Manager : Caitlin Panzarella

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Date Reported : 6/17/2016

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Attn To : William A. Kotas
Collected : 6/7/2016 12:45:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14058

Lab No. : 1606862-002
Client Sample ID: 1602325-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 13	D	5	µg/Kg-dry			06/14/2016 6:05 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	123	D	5	%Rec	Limit	33-145	06/14/2016 6:05 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	348	DS	5	%Rec	Limit	60-148	06/14/2016 6:05 PM	Container-01 of 01
Surr: Toluene-d8	86.9	D	5	%Rec	Limit	60-132	06/14/2016 6:05 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

5

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B = Found in Blank
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Collected By CLIENT

AT14058

Lab No. : 1606862-002
Client Sample ID: 1602325-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 6/10/2016 12:00:12 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
2-Methylphenol	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Acenaphthene	1,500		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Acenaphthylene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Anthracene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Benzo(a)anthracene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Benzo(a)pyrene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Benzo(b)fluoranthene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Benzo(g,h,i)perylene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Benzo(k)fluoranthene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Chrysene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Dibenzo(a,h)anthracene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Dibenzofuran	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Fluoranthene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Fluorene	2,600		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Hexachlorobenzene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Pentachlorophenol	< 4,200		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Phenanthrene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Phenol	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Pyrene	< 860		10	µg/Kg-dry			06/15/2016 10:02 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	80.4		10	%Rec	Limit	20-130	06/15/2016 10:02 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	81.3		10	%Rec	Limit	19-122	06/15/2016 10:02 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	63.5		10	%Rec	Limit	20-130	06/15/2016 10:02 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	79.6		10	%Rec	Limit	30-115	06/15/2016 10:02 PM	Container-01 of 01
Surr: 2-Fluorophenol	56.5		10	%Rec	Limit	25-121	06/15/2016 10:02 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	69.2		10	%Rec	Limit	18-137	06/15/2016 10:02 PM	Container-01 of 01
Surr: Nitrobenzene-d5	85.2		10	%Rec	Limit	23-120	06/15/2016 10:02 PM	Container-01 of 01
Surr: Phenol-d5	62.1		10	%Rec	Limit	24-113	06/15/2016 10:02 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Caitlin Panzarella

Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/17/2016

Pace Analytical™
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:45:00 PM
Received : 6/9/2016 9:30:00 AM AT14058
Collected By CLIENT

Lab No. : 1606862-002
Client Sample ID: 1602325-E

Sample Information:
Type : Soil

Origin:

NOTES:
Sample was analyzed at a dilution due to matrix.

Analytical Method: D2216 : Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	21.7		1	wt%	06/09/2016 3:31 PM	Container-01 of 01

5

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
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r = Reporting limit below calibration range. Value estimated.
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Caitlin Panzarella
Project Manager : Caitlin Panzarella

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:40:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14059

Lab No. : 1606862-003
Client Sample ID: 1602325-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,1-Dichloroethane	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,1-Dichloroethene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,2,4-Trimethylbenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,2-Dichlorobenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,2-Dichloroethane	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,3,5-Trimethylbenzene/P-ethyltoluene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,3-Dichlorobenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,4-Dichlorobenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
1,4-Dioxane	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
2-Butanone	< 13	Dc	5	µg/Kg-dry	06/16/2016 4:47 PM	
Acetone	150	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Benzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Carbon tetrachloride	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Chlorobenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Chloroform	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
cis-1,2-Dichloroethene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Ethylbenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Methyl tert-butyl ether	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Methylene chloride	< 64	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
n-Butylbenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
n-Propylbenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
sec-Butylbenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
tert-Butylbenzene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Tetrachloroethene	< 13	Dc	5	µg/Kg-dry	06/16/2016 4:47 PM	
Toluene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
trans-1,2-Dichloroethene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Trichloroethene	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	
Vinyl chloride	< 13	D	5	µg/Kg-dry	06/16/2016 4:47 PM	

Qualifiers: E = Value above quantitation range, Value estimated.
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S = Recovery outside of control limits for this analyte
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Caitlin Panzarella
Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/17/2016

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:40:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14059

Lab No. : 1606862-003
Client Sample ID: 1602325-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 13	D	5	µg/Kg-dry			06/16/2016 4:47 PM	
Surr: 1,2-Dichloroethane-d4	113	D	5	%Rec	Limit	33-145	06/16/2016 4:47 PM	
Surr: 4-Bromofluorobenzene	117	D	5	%Rec	Limit	60-148	06/16/2016 4:47 PM	
Surr: Toluene-d8	93.4	D	5	%Rec	Limit	60-132	06/16/2016 4:47 PM	

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

5

Qualifiers: E = Value above quantitation range, Value estimated.
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Project Manager : Caitlin Panzarella

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Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:40:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14059

Lab No. : 1606862-003
Client Sample ID: 1602325-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 6/10/2016 12:00:12 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
2-Methylphenol	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 850		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Acenaphthene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Acenaphthylene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Anthracene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Benzo(a)anthracene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Benzo(a)pyrene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Benzo(b)fluoranthene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Benzo(g,h,i)perylene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Benzo(k)fluoranthene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Chrysene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Dibenzo(a,h)anthracene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Dibenzofuran	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Fluoranthene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Fluorene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Hexachlorobenzene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Pentachlorophenol	< 1,100		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Phenanthrene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Phenol	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Pyrene	< 420		1	µg/Kg-dry			06/14/2016 8:43 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	39.7		1	%Rec	Limit	20-130	06/14/2016 8:43 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	29.1		1	%Rec	Limit	19-122	06/14/2016 8:43 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	48.1		1	%Rec	Limit	20-130	06/14/2016 8:43 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	58.4		1	%Rec	Limit	30-115	06/14/2016 8:43 PM	Container-01 of 01
Surr: 2-Fluorophenol	45.0		1	%Rec	Limit	25-121	06/14/2016 8:43 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	71.4		1	%Rec	Limit	18-137	06/14/2016 8:43 PM	Container-01 of 01
Surr: Nitrobenzene-d5	26.6		1	%Rec	Limit	23-120	06/14/2016 8:43 PM	Container-01 of 01
Surr: Phenol-d5	49.7		1	%Rec	Limit	24-113	06/14/2016 8:43 PM	Container-01 of 01

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Caitlin Panzarella

Project Manager : Caitlin Panzarella

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Date Reported : 6/17/2016

Pace Analytical
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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:40:00 PM
Received : 6/9/2016 9:30:00 AM AT14059
Collected By CLIENT

Lab No. : 1606862-003
Client Sample ID: 1602325-S

Sample Information:
Type : Soil

Origin:

Analytical Method: D2216 :

Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	22.1		1	wt%	06/09/2016 3:31 PM	Container-01 of 01

5

Qualifiers: E = Value above quantitation range, Value estimated.
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D.F. = Dilution Factor D = Results for Dilution
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H = Received/analyzed outside of analytical holding time
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M-, M+ = Matrix Spike recovery below / above control limit
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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:35:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14060

Lab No. : 1606862-004
Client Sample ID: 1602325-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,1-Dichloroethane	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,1-Dichloroethene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,2,4-Trimethylbenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,2-Dichlorobenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,2-Dichloroethane	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,3-Dichlorobenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,4-Dichlorobenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
1,4-Dioxane	< 250	Dc	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
2-Butanone	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Acetone	< 1,200	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Benzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Carbon tetrachloride	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Chlorobenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Chloroform	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
cis-1,2-Dichloroethene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Ethylbenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Methyl tert-butyl ether	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Methylene chloride	< 1,200	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
n-Butylbenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
n-Propylbenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
sec-Butylbenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
tert-Butylbenzene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Tetrachloroethene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Toluene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
trans-1,2-Dichloroethene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Trichloroethene	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01
Vinyl chloride	< 250	D	71.4	µg/Kg-dry	06/16/2016 10:20 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
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Caitlin Panzarella
Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/17/2016

Pace Analytical
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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:35:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14060

Lab No. : 1606862-004
Client Sample ID: 1602325-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 250	D	71.4	µg/Kg-dry			06/16/2016 10:20 AM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	83.1	D	71.4	%Rec	Limit	33-145	06/16/2016 10:20 AM	Container-01 of 01
Surr: 4-Bromofluorobenzene	105	D	71.4	%Rec	Limit	60-148	06/16/2016 10:20 AM	Container-01 of 01
Surr: Toluene-d8	73.8	D	71.4	%Rec	Limit	60-132	06/16/2016 10:20 AM	Container-01 of 01

5

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
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Project Manager : Caitlin Panzarella

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:35:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14060

Lab No. : 1606862-004
Client Sample ID: 1602325-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 6/10/2016 12:00:12 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
2-Methylphenol	< 580		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
3-Methylphenol/4-Methylphenol	< 1,200		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Acenaphthene	4,100		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Acenaphthylene	< 580		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Anthracene	1,100		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Benzo(a)anthracene	4,200		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Benzo(a)pyrene	4,100		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Benzo(b)fluoranthene	7,300		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Benzo(g,h,i)perylene	1,600	c	1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Benzo(k)fluoranthene	2,400		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Chrysene	4,700		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Dibenzo(a,h)anthracene	700		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Dibenzofuran	< 580		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Fluoranthene	6,300		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Fluorene	4,600		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Hexachlorobenzene	< 580		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	1,900		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Pentachlorophenol	< 1,500		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Phenanthrene	7,100		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Phenol	< 580		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Pyrene	6,700		1	µg/Kg-dry			06/14/2016 9:11 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	34.1		1	%Rec	Limit	20-130	06/14/2016 9:11 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	67.7		1	%Rec	Limit	19-122	06/14/2016 9:11 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	59.9		1	%Rec	Limit	20-130	06/14/2016 9:11 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	83.2		1	%Rec	Limit	30-115	06/14/2016 9:11 PM	Container-01 of 01
Surr: 2-Fluorophenol	64.4		1	%Rec	Limit	25-121	06/14/2016 9:11 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	82.4		1	%Rec	Limit	18-137	06/14/2016 9:11 PM	Container-01 of 01
Surr: Nitrobenzene-d5	98.9		1	%Rec	Limit	23-120	06/14/2016 9:11 PM	Container-01 of 01
Surr: Phenol-d5	60.7		1	%Rec	Limit	24-113	06/14/2016 9:11 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Caitlin Panzarella

Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/17/2016

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
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NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 6/7/2016 12:35:00 PM
Received : 6/9/2016 9:30:00 AM
Collected By CLIENT

AT14060

Lab No. : 1606862-004
Client Sample ID: 1602325-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: D2216 :

Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	42.9		1	wt%	06/09/2016 3:32 PM	Container-01 of 01

5

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Caitlin Panzarella

Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 6/17/2016

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **MB-56467**	SampType: **MBLK**	TestCode: **8270_SSTAR**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99729**
Client ID: **PBS**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2189749**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	< 330	330									
Acenaphthene	< 330	330									
Fluorene	< 330	330									
Phenanthrene	< 330	330									
Anthracene	< 330	330									
Fluoranthene	< 330	330									
Pyrene	< 330	330									
Benzo(a)anthracene	< 330	330									
Chrysene	< 330	330									
Benzo(b)fluoranthene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Benzo(a)pyrene	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Dibenzo(a,h)anthracene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Surr: Nitrobenzene-d5	1,300		1,667		77.0	23	120				
Surr: 2-Fluorobiphenyl	1,100		1,667		64.9	30	115				
Surr: 4-Terphenyl-d14	1,400		1,667		82.2	18	137				
Surr: 1,2-Dichlorobenzene-d4	1,000		1,667		59.9	20	130				

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_SSTAR**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99729**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2189750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthylene	1,200	330	1,667	0	72.0	43	107				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_SSTAR**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99729**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2189750**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1,300	330	1,667	0	76.0	45	109				
Fluorene	1,200	330	1,667	0	70.3	47	108				
Phenanthrene	1,300	330	1,667	0	79.9	47	124				
Anthracene	1,400	330	1,667	0	81.1	50	117				
Fluoranthene	1,200	330	1,667	0	73.9	45	126				
Pyrene	1,300	330	1,667	0	75.3	49	132				
Benzo(a)anthracene	1,300	330	1,667	0	76.7	52	116				
Chrysene	1,300	330	1,667	0	80.9	48	121				
Benzo(b)fluoranthene	1,100	330	1,667	0	63.7	45	122				
Benzo(k)fluoranthene	1,300	330	1,667	0	78.8	54	124				
Benzo(a)pyrene	1,100	330	1,667	0	68.9	56	119				
Indeno(1,2,3-cd)pyrene	1,400	330	1,667	0	86.8	50	108				
Dibenzo(a,h)anthracene	1,400	330	1,667	0	84.7	52	109				
Benzo(g,h,i)perylene	1,400	330	1,667	0	81.2	30	107				
Surr: Nitrobenzene-d5	1,200		1,667		72.5	23	120				
Surr: 2-Fluorobiphenyl	1,200		1,667		70.0	30	115				
Surr: 4-Terphenyl-d14	1,200		1,667		71.7	18	137				
Surr: 1,2-Dichlorobenzene-d4	1,200		1,667		70.3	20	130				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **MB-56467**	SampType: **MBLK**	TestCode: **8270_S_TCL**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99896**
Client ID: **PBS**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2194103**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	< 330	330									
Fluorene	< 330	330									
Phenanthrene	< 330	330									
Anthracene	< 330	330									
Fluoranthene	< 330	330									
Pyrene	< 330	330									
Benzo(a)anthracene	< 330	330									
Chrysene	< 330	330									
Benzo(b)fluoranthene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Benzo(a)pyrene	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Dibenzo(a,h)anthracene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Surr: Nitrobenzene-d5	1,300		1,667		77.0	23	120				
Surr: 2-Fluorobiphenyl	1,100		1,667		64.9	30	115				
Surr: 4-Terphenyl-d14	1,400		1,667		82.2	18	137				
Surr: 1,2-Dichlorobenzene-d4	1,000		1,667		59.9	20	130				

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_S_TCL**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99896**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2194104**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	1,300	330	1,667	0	76.0	45	109				
Fluorene	1,200	330	1,667	0	70.3	47	108				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_S_TCL**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99896**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2194104**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenanthrene	1,300	330	1,667	0	79.9	47	124				
Anthracene	1,400	330	1,667	0	81.1	50	117				
Fluoranthene	1,200	330	1,667	0	73.9	45	126				
Pyrene	1,300	330	1,667	0	75.3	49	132				
Benzo(a)anthracene	1,300	330	1,667	0	76.7	52	116				
Chrysene	1,300	330	1,667	0	80.9	48	121				
Benzo(b)fluoranthene	1,100	330	1,667	0	63.7	45	122				
Benzo(k)fluoranthene	1,300	330	1,667	0	78.8	54	124				
Benzo(a)pyrene	1,100	330	1,667	0	68.9	56	119				
Indeno(1,2,3-cd)pyrene	1,400	330	1,667	0	86.8	50	108				
Dibenzo(a,h)anthracene	1,400	330	1,667	0	84.7	52	109				
Benzo(g,h,i)perylene	1,400	330	1,667	0	81.2	30	107				
Surr: Nitrobenzene-d5	1,200		1,667		72.5	23	120				
Surr: 2-Fluorobiphenyl	1,200		1,667		70.0	30	115				
Surr: 4-Terphenyl-d14	1,200		1,667		71.7	18	137				
Surr: 1,2-Dichlorobenzene-d4	1,200		1,667		70.3	20	130				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **MB-56467**	SampType: **MBLK**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99823**
Client ID: **PBS**	Batch ID: **56467**	TestNo: **SW8270** **SW3545**		Analysis Date: **6/14/2016**	SeqNo: **2191882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3-Methylphenol/4-Methylphenol	< 660	660									
Phenol	< 330	330									
2-Methylphenol	< 330	330									
Acenaphthylene	< 330	330									
Acenaphthene	< 330	330									
Dibenzofuran	< 330	330									
Fluorene	< 330	330									
Hexachlorobenzene	< 330	330									
Pentachlorophenol	< 830	830									
Phenanthrene	< 330	330									
Anthracene	< 330	330									
Fluoranthene	< 330	330									
Pyrene	< 330	330									
Benzo(a)anthracene	< 330	330									
Chrysene	< 330	330									
Benzo(b)fluoranthene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Benzo(a)pyrene	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Dibenzo(a,h)anthracene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Surr: 2-Fluorophenol	1,400		2,500		54.4	25	121				
Surr: Nitrobenzene-d5	1,300		1,667		77.0	23	120				
Surr: Phenol-d5	1,800		2,500		70.6	24	113				
Surr: 2,4,6-Tribromophenol	1,200		2,500		46.8	19	122				
Surr: 2-Fluorobiphenyl	1,100		1,667		64.9	30	115				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **MB-56467**	SampType: **MBLK**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99823**
Client ID: **PBS**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2191882**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Terphenyl-d14	1,400		1,667		82.2	18	137				
Surr: 2-Chlorophenol-d4	1,500		2,500		61.7	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,000		1,667		59.9	20	130				

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99823**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2191883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3-Methylphenol/4-Methylphenol	1,300	660	1,667	0	80.0	37	137				
Phenol	1,300	330	1,667	0	77.0	38	104				
2-Methylphenol	1,200	330	1,667	0	70.7	36	104				
Acenaphthylene	1,200	330	1,667	0	72.0	43	107				
Acenaphthene	1,300	330	1,667	0	76.0	45	109				
Dibenzofuran	1,300	330	1,667	0	80.7	48	112				
Fluorene	1,200	330	1,667	0	70.3	47	108				
Hexachlorobenzene	1,200	330	1,667	0	71.2	51	110				
Pentachlorophenol	890	830	1,667	0	53.5	22	115				
Phenanthrene	1,300	330	1,667	0	79.9	47	124				
Anthracene	1,400	330	1,667	0	81.1	50	117				
Fluoranthene	1,200	330	1,667	0	73.9	45	126				
Pyrene	1,300	330	1,667	0	75.3	49	132				
Benzo(a)anthracene	1,300	330	1,667	0	76.7	52	116				
Chrysene	1,300	330	1,667	0	80.9	48	121				
Benzo(b)fluoranthene	1,100	330	1,667	0	63.7	45	122				
Benzo(k)fluoranthene	1,300	330	1,667	0	78.8	54	124				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99823**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2191883**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1,100	330	1,667	0	68.9	56	119				
Indeno(1,2,3-cd)pyrene	1,400	330	1,667	0	86.8	50	108				
Dibenzo(a,h)anthracene	1,400	330	1,667	0	84.7	52	109				
Benzo(g,h,i)perylene	1,400	330	1,667	0	81.2	30	107				
Surr: 2-Fluorophenol	1,900		2,500		74.7	25	121				
Surr: Nitrobenzene-d5	1,200		1,667		72.5	23	120				
Surr: Phenol-d5	1,900		2,500		74.7	24	113				
Surr: 2,4,6-Tribromophenol	2,000		2,500		78.6	19	122				
Surr: 2-Fluorobiphenyl	1,200		1,667		70.0	30	115				
Surr: 4-Terphenyl-d14	1,200		1,667		71.7	18	137				
Surr: 2-Chlorophenol-d4	1,900		2,500		75.1	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,200		1,667		70.3	20	130				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **MB-56467**	SampType: **MBLK**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99809**
Client ID: **PBS**	Batch ID: **56467**	TestNo: **SW8270** **SW3545**		Analysis Date: **6/14/2016**	SeqNo: **2191649**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	< 330	330									
2-Methylphenol	< 330	330									
Acenaphthylene	< 330	330									
Acenaphthene	< 330	330									
Dibenzofuran	< 330	330									
Fluorene	< 330	330									
Hexachlorobenzene	< 330	330									
Pentachlorophenol	< 830	830									
Phenanthrene	< 330	330									
Anthracene	< 330	330									
Fluoranthene	< 330	330									
Pyrene	< 330	330									
Benzo(a)anthracene	< 330	330									
Chrysene	< 330	330									
Benzo(b)fluoranthene	< 330	330									
Benzo(k)fluoranthene	< 330	330									
Benzo(a)pyrene	< 330	330									
Indeno(1,2,3-cd)pyrene	< 330	330									
Dibenzo(a,h)anthracene	< 330	330									
Benzo(g,h,i)perylene	< 330	330									
Surr: 2-Fluorophenol	1,300		2,500		52.6	25	121				
Surr: Nitrobenzene-d5	1,200		1,667		72.0	23	120				
Surr: Phenol-d5	1,600		2,500		63.9	24	113				
Surr: 2,4,6-Tribromophenol	790		2,500		31.5	19	122				
Surr: 2-Fluorobiphenyl	950		1,667		57.2	30	115				
Surr: 4-Terphenyl-d14	1,100		1,667		65.9	18	137				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **MB-56467**	SampType: **MBLK**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99809**
Client ID: **PBS**	Batch ID: **56467**	TestNo: **SW8270** **SW3545**		Analysis Date: **6/14/2016**	SeqNo: **2191649**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Chlorophenol-d4	1,400		2,500		57.1	20	130				
Surr: 1,2-Dichlorobenzene-d4	990		1,667		59.3	20	130				

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99809**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270** **SW3545**		Analysis Date: **6/14/2016**	SeqNo: **2191650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,200	330	1,667	0	69.1	38	104				
2-Methylphenol	1,200	330	1,667	0	72.1	36	104				
Acenaphthylene	1,100	330	1,667	0	64.7	43	107				
Acenaphthene	1,100	330	1,667	0	68.8	45	109				
Dibenzofuran	1,300	330	1,667	0	76.1	48	112				
Fluorene	1,200	330	1,667	0	73.9	47	108				
Hexachlorobenzene	1,200	330	1,667	0	74.5	51	110				
Pentachlorophenol	< 830	830	1,667	0	40.4	22	115				
Phenanthrene	1,300	330	1,667	0	78.7	47	124				
Anthracene	1,400	330	1,667	0	82.5	50	117				
Fluoranthene	1,300	330	1,667	0	78.3	45	126				
Pyrene	1,200	330	1,667	0	73.5	49	132				
Benzo(a)anthracene	1,300	330	1,667	0	75.3	52	116				
Chrysene	1,400	330	1,667	0	83.0	48	121				
Benzo(b)fluoranthene	1,200	330	1,667	0	73.8	45	122				
Benzo(k)fluoranthene	1,500	330	1,667	0	88.2	54	124				
Benzo(a)pyrene	1,300	330	1,667	0	77.9	56	119				
Indeno(1,2,3-cd)pyrene	1,400	330	1,667	0	84.4	50	108				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **56467**

Sample ID **LFB-56467**	SampType: **LFB**	TestCode: **8270_S_4-2**	Units: **µg/Kg**	Prep Date: **6/10/2016**	RunNo: **99809**
Client ID: **ZZZZZZ**	Batch ID: **56467**	TestNo: **SW8270**	**SW3545**	Analysis Date: **6/14/2016**	SeqNo: **2191650**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibenzo(a,h)anthracene	1,200	330	1,667	0	73.6	52	109				
Benzo(g,h,i)perylene	1,200	330	1,667	0	71.7	30	107				
Surr: 2-Fluorophenol	1,700		2,500		69.8	25	121				
Surr: Nitrobenzene-d5	1,200		1,667		71.8	23	120				
Surr: Phenol-d5	1,800		2,500		70.1	24	113				
Surr: 2,4,6-Tribromophenol	1,400		2,500		57.1	19	122				
Surr: 2-Fluorobiphenyl	1,000		1,667		61.1	30	115				
Surr: 4-Terphenyl-d14	1,000		1,667		61.5	18	137				
Surr: 2-Chlorophenol-d4	1,700		2,500		68.0	20	130				
Surr: 1,2-Dichlorobenzene-d4	1,000		1,667		61.3	20	130				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **R99674**

Sample ID **VBLK061416** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99674**

Client ID: **PBS** Batch ID: **R99674** TestNo: **SW8260** Analysis Date: **6/14/2016** SeqNo: **2188210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dioxane	< 250	250									
Vinyl chloride	< 10	10									
1,1-Dichloroethene	< 10	10									
Acetone	< 10	10									
Methylene chloride	< 10	10									
trans-1,2-Dichloroethene	< 10	10									
Methyl tert-butyl ether	< 10	10									
1,1-Dichloroethane	< 10	10									
cis-1,2-Dichloroethene	< 10	10									
2-Butanone	< 10	10									
Chloroform	< 10	10									
1,1,1-Trichloroethane	< 10	10									
Carbon tetrachloride	< 10	10									
Benzene	< 10	10									
1,2-Dichloroethane	< 10	10									
Trichloroethene	< 10	10									
Toluene	< 10	10									
Tetrachloroethene	< 10	10									
Chlorobenzene	< 10	10									
Ethylbenzene	< 10	10									
n-Propylbenzene	< 10	10									
1,3,5-Trimethylbenzene/P-ethyltoluene	< 10	10									
tert-Butylbenzene	< 10	10									
1,2,4-Trimethylbenzene	< 10	10									
sec-Butylbenzene	< 10	10									
1,3-Dichlorobenzene	< 10	10									

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **R99674**

Sample ID **VBLK061416** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99674**
Client ID: **PBS** Batch ID: **R99674** TestNo: **SW8260** Analysis Date: **6/14/2016** SeqNo: **2188210**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	< 10	10									
n-Butylbenzene	< 10	10									
1,2-Dichlorobenzene	< 10	10									
Surr: 1,2-Dichloroethane-d4	60		50.00		120	33	145				
Surr: Toluene-d8	46		50.00		92.2	60	132				
Surr: 4-Bromofluorobenzene	53		50.00		106	60	148				

Sample ID **LFB061416** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99674**
Client ID: **ZZZZZZ** Batch ID: **R99674** TestNo: **SW8260** Analysis Date: **6/14/2016** SeqNo: **2188211**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dioxane	1,200	250	1,250	0	99.7	10	205				
Vinyl chloride	65	10	50.00	0	131	45	137				
1,1-Dichloroethene	67	10	50.00	0	134	47	152				
Acetone	60	10	50.00	0	120	23	196				
Methylene chloride	61	10	50.00	0	121	50	164				
trans-1,2-Dichloroethene	65	10	50.00	0	130	53	157				
Methyl tert-butyl ether	61	10	50.00	0	122	25	171				
1,1-Dichloroethane	70	10	50.00	0	140	53	160				
cis-1,2-Dichloroethene	66	10	50.00	0	132	75	130				S
2-Butanone	57	10	50.00	0	114	52	164				
Chloroform	67	10	50.00	0	133	71	135				
1,1,1-Trichloroethane	62	10	50.00	0	123	59	134				
Carbon tetrachloride	59	10	50.00	0	118	57	135				
Benzene	61	10	50.00	0	122	65	129				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **R99674**

Sample ID **LFB061416** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99674**

Client ID: **ZZZZZZ** Batch ID: **R99674** TestNo: **SW8260** Analysis Date: **6/14/2016** SeqNo: **2188211**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane	69	10	50.00	0	137	65	143				
Trichloroethene	62	10	50.00	0	123	62	130				
Toluene	62	10	50.00	0	123	66	131				
Tetrachloroethene	50	10	50.00	0	100	10	176				
Chlorobenzene	53	10	50.00	0	107	62	136				
Ethylbenzene	55	10	50.00	0	110	59	135				
n-Propylbenzene	52	10	50.00	0	104	56	125				
1,3,5-Trimethylbenzene/P-ethyltoluene	100	10	100.0	0	104	49	134				
tert-Butylbenzene	50	10	50.00	0	100	56	127				
1,2,4-Trimethylbenzene	55	10	50.00	0	111	59	126				
sec-Butylbenzene	53	10	50.00	0	106	50	126				
1,3-Dichlorobenzene	51	10	50.00	0	102	64	124				
1,4-Dichlorobenzene	50	10	50.00	0	101	61	127				
n-Butylbenzene	59	10	50.00	0	117	54	121				
1,2-Dichlorobenzene	51	10	50.00	0	101	67	125				
Surr: 1,2-Dichloroethane-d4	54		50.00		107	33	145				
Surr: Toluene-d8	47		50.00		93.9	60	132				
Surr: 4-Bromofluorobenzene	53		50.00		106	60	148				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **R99834**

Sample ID **VBLK061616** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99834**
Client ID: **PBS** Batch ID: **R99834** TestNo: **SW8260** Analysis Date: **6/16/2016** SeqNo: **2193960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	< 10	10									
1,1-Dichloroethene	< 10	10									
Acetone	< 10	10									
Methylene chloride	< 10	10									
trans-1,2-Dichloroethene	< 10	10									
Methyl tert-butyl ether	< 10	10									
1,1-Dichloroethane	< 10	10									
cis-1,2-Dichloroethene	< 10	10									
2-Butanone	< 10	10									
Chloroform	< 10	10									
1,1,1-Trichloroethane	< 10	10									
Carbon tetrachloride	< 10	10									
Benzene	< 10	10									
1,2-Dichloroethane	< 10	10									
Trichloroethene	< 10	10									
Toluene	< 10	10									
Tetrachloroethene	< 10	10									
Chlorobenzene	< 10	10									
Ethylbenzene	< 10	10									
Xylene (total)	< 10	10									
n-Propylbenzene	< 10	10									
1,3,5-Trimethylbenzene/P-ethyltoluene	< 10	10									
tert-Butylbenzene	< 10	10									
1,2,4-Trimethylbenzene	< 10	10									
sec-Butylbenzene	< 10	10									
1,3-Dichlorobenzene	< 10	10									

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **R99834**

Sample ID **VBLK061616** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99834**
Client ID: **PBS** Batch ID: **R99834** TestNo: **SW8260** Analysis Date: **6/16/2016** SeqNo: **2193960**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	< 10	10									
n-Butylbenzene	< 10	10									
1,2-Dichlorobenzene	< 10	10									
Surr: 1,2-Dichloroethane-d4	58		50.00		116	33	145				
Surr: Toluene-d8	46		50.00		92.6	60	132				
Surr: 4-Bromofluorobenzene	52		50.00		104	60	148				

Sample ID **LFB061616** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99834**
Client ID: **ZZZZZZ** Batch ID: **R99834** TestNo: **SW8260** Analysis Date: **6/16/2016** SeqNo: **2193961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	57	10	50.00	0	115	45	137				
1,1-Dichloroethene	56	10	50.00	0	111	47	152				
Acetone	62	10	50.00	0	124	23	196				
Methylene chloride	55	10	50.00	0	110	50	164				
trans-1,2-Dichloroethene	56	10	50.00	0	113	53	157				
Methyl tert-butyl ether	58	10	50.00	0	117	25	171				
1,1-Dichloroethane	62	10	50.00	0	124	53	160				
cis-1,2-Dichloroethene	59	10	50.00	0	119	75	130				
2-Butanone	67	10	50.00	0	133	52	164				
Chloroform	61	10	50.00	0	121	71	135				
1,1,1-Trichloroethane	52	10	50.00	0	104	59	134				
Carbon tetrachloride	50	10	50.00	0	99.4	57	135				
Benzene	54	10	50.00	0	109	65	129				
1,2-Dichloroethane	64	10	50.00	0	128	65	143				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **R99834**

Sample ID **LFB061616**	SampType: **LFB**	TestCode: **8260_S_SUF**	Units: **µg/Kg**	Prep Date:	RunNo: **99834**
Client ID: **ZZZZZZ**	Batch ID: **R99834**	TestNo: **SW8260**		Analysis Date: **6/16/2016**	SeqNo: **2193961**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene	53	10	50.00	0	106	62	130				
Toluene	55	10	50.00	0	109	66	131				
Tetrachloroethene	39	10	50.00	0	78.8	10	176				
Chlorobenzene	49	10	50.00	0	98.1	62	136				
Ethylbenzene	48	10	50.00	0	96.7	59	135				
Xylene (total)	150	10	150.0	0	101	62	135				
n-Propylbenzene	45	10	50.00	0	90.8	56	125				
1,3,5-Trimethylbenzene/P-ethyltoluene	92	10	100.0	0	91.9	49	134				
tert-Butylbenzene	43	10	50.00	0	86.8	56	127				
1,2,4-Trimethylbenzene	50	10	50.00	0	101	59	126				
sec-Butylbenzene	46	10	50.00	0	91.7	50	126				
1,3-Dichlorobenzene	47	10	50.00	0	94.5	64	124				
1,4-Dichlorobenzene	47	10	50.00	0	94.2	61	127				
n-Butylbenzene	50	10	50.00	0	100	54	121				
1,2-Dichlorobenzene	48	10	50.00	0	95.7	67	125				
Surr: 1,2-Dichloroethane-d4	51		50.00		102	33	145				
Surr: Toluene-d8	46		50.00		92.7	60	132				
Surr: 4-Bromofluorobenzene	53		50.00		105	60	148				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

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QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **R99970**

Sample ID **VBLK061616M** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99970**

Client ID: **PBS** Batch ID: **R99970** TestNo: **SW8260** Analysis Date: **6/16/2016** SeqNo: **2196023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dioxane	< 100	100									D
Vinyl chloride	< 100	100									D
1,1-Dichloroethene	< 100	100									D
Acetone	< 500	500									D
Methylene chloride	< 500	500									D
trans-1,2-Dichloroethene	< 100	100									D
Methyl tert-butyl ether	< 100	100									D
1,1-Dichloroethane	< 100	100									D
cis-1,2-Dichloroethene	< 100	100									D
2-Butanone	< 100	100									D
Chloroform	< 100	100									D
1,1,1-Trichloroethane	< 100	100									D
Carbon tetrachloride	< 100	100									D
Benzene	< 100	100									D
1,2-Dichloroethane	< 100	100									D
Trichloroethene	< 100	100									D
Toluene	< 100	100									D
Tetrachloroethene	< 100	100									D
Chlorobenzene	< 100	100									D
Ethylbenzene	< 100	100									D
Xylene (total)	< 100	100									D
n-Propylbenzene	< 100	100									D
1,3,5-Trimethylbenzene/P-ethyltoluene	< 100	100									D
tert-Butylbenzene	< 100	100									D
1,2,4-Trimethylbenzene	< 100	100									D
sec-Butylbenzene	< 100	100									D

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.
Project: 16060161 - 1368.001 **BatchID:** **R99970**

Sample ID **VBLK061616M** SampType: **MBLK** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99970**
Client ID: **PBS** Batch ID: **R99970** TestNo: **SW8260** Analysis Date: **6/16/2016** SeqNo: **2196023**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	< 100	100									D
1,4-Dichlorobenzene	< 100	100									D
n-Butylbenzene	< 100	100									D
1,2-Dichlorobenzene	< 100	100									D
Surr: 1,2-Dichloroethane-d4	2,100		2,500		83.7	33	145				D
Surr: Toluene-d8	2,500		2,500		98.5	60	132				D
Surr: 4-Bromofluorobenzene	2,500		2,500		98.2	60	148				D

Sample ID **LFB061616M** SampType: **LFB** TestCode: **8260_S_SUF** Units: **µg/Kg** Prep Date: RunNo: **99970**
Client ID: **ZZZZZZ** Batch ID: **R99970** TestNo: **SW8260** Analysis Date: **6/16/2016** SeqNo: **2196024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dioxane	40,000	100	62,500	0	63.7	10	205				D
Vinyl chloride	1,900	100	2,500	0	75.6	45	137				D
1,1-Dichloroethene	2,100	100	2,500	0	82.4	47	152				D
Acetone	1,900	500	2,500	0	74.6	23	196				D
Methylene chloride	2,000	500	2,500	0	80.0	50	164				D
trans-1,2-Dichloroethene	2,300	100	2,500	0	93.9	53	157				D
Methyl tert-butyl ether	2,500	100	2,500	0	102	25	171				D
1,1-Dichloroethane	2,300	100	2,500	0	92.7	53	160				D
cis-1,2-Dichloroethene	2,500	100	2,500	0	98.7	75	130				D
2-Butanone	2,000	100	2,500	0	81.5	52	164				D
Chloroform	2,400	100	2,500	0	97.3	71	135				D
1,1,1-Trichloroethane	2,100	100	2,500	0	84.9	59	134				D
Carbon tetrachloride	2,000	100	2,500	0	80.3	57	135				D

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1606862**

17-Jun-16

Client: Pace Analytical Services Inc.

Project: 16060161 - 1368.001 **BatchID:** **R99970**

Sample ID **LFB061616M**	SampType: **LFB**	TestCode: **8260_S_SUF**	Units: **µg/Kg**	Prep Date:	RunNo: **99970**
Client ID: **ZZZZZZ**	Batch ID: **R99970**	TestNo: **SW8260**		Analysis Date: **6/16/2016**	SeqNo: **2196024**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	2,300	100	2,500	0	90.8	65	129				D
1,2-Dichloroethane	2,700	100	2,500	0	106	65	143				D
Trichloroethene	2,300	100	2,500	0	90.7	62	130				D
Toluene	2,300	100	2,500	0	91.4	66	131				D
Tetrachloroethene	1,900	100	2,500	0	77.0	10	176				D
Chlorobenzene	2,200	100	2,500	0	89.5	62	136				D
Ethylbenzene	2,200	100	2,500	0	88.3	59	135				D
Xylene (total)	7,000	100	7,500	0	93.4	62	135				D
n-Propylbenzene	2,200	100	2,500	0	89.5	56	125				D
1,3,5-Trimethylbenzene/P-ethyltoluene	4,600	100	5,000	0	92.1	49	134				D
tert-Butylbenzene	2,300	100	2,500	0	90.3	56	127				D
1,2,4-Trimethylbenzene	2,300	100	2,500	0	93.2	59	126				D
sec-Butylbenzene	2,300	100	2,500	0	93.7	50	126				D
1,3-Dichlorobenzene	2,300	100	2,500	0	90.4	64	124				D
1,4-Dichlorobenzene	2,200	100	2,500	0	89.9	61	127				D
n-Butylbenzene	2,500	100	2,500	0	98.2	54	121				D
1,2-Dichlorobenzene	2,300	100	2,500	0	91.2	67	125				D
Surr: 1,2-Dichloroethane-d4	2,300		2,500		93.1	33	145				D
Surr: Toluene-d8	2,100		2,500		83.2	60	132				D
Surr: 4-Bromofluorobenzene	2,200		2,500		89.4	60	148				D

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Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as specified		

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **PACE-NY** Date and Time Received: **6/9/2016 9:30:00 AM**

Work Order Number: **1606862** RcptNo: **1** Received by **Paige Doherty**

Completed by: Paige Doherty Reviewed by: Caitlin Panzarella

Completed Date: 6/9/2016 12:39:57 PM Reviewed Date: 6/13/2016 1:26:40 PM

Carrier name: FedEx

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☐	No	☑		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To	1.9 °
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☑	No	☐		
Airbill or Sticker?	Air Bil	☑	Sticker	☐	Not Present	☐
Airbill No:	6661 5913 9214					

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

Samples not collected per method 5035A guidance. OK to proceed per COC.

CorrectiveAction:

5

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1606862

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

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Pace CI

CHAIN OF CUSTODY RECORD

Pace Analytical Services, Inc.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.pacelabs.com

LRF # 16060161
(LAB USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY RECEIVING LAB
- ○ ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival.
Call for details.

CLIENT (REPORTS TO BE SENT TO): PACE	PROJECT#/PROJECT NAME: 16060161
PROJECT MANAGER: Nick Nicholas	LOCATION (CITY/STATE) ADDRESS: NY
Project: 1368.001	REQUIRED TURN AROUND TIME: 6/16/2016
Notes: *PART 375 PARAMETERS FOR 8260 AND 8270. SAMPLES NOT COLLECTED PER METHOD 5035 GUIDANCE. OKAY TO PROCEED	NAME OF COURIER (IF USED):
ELECTRONIC RESULTS	nicholas.nicholas@pacelabs.com; Nicole.Johnson@pacelabs.com

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - ICE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other (Na2SO3)

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	NUMBER OF CONTAINERS	VOCs E8260C	SVOCs E8270D	REMARKS
1602325-W	6/7/16	12:50	S	GRAB	AT14057	2	X	X	16066862
1602325-E	6/7/16	12:45	S	GRAB	AT14058	2	X	X	
1602325-S	6/7/16	12:40	S	GRAB	AT14059	2	X	X	
1602325-BOTTOM	6/7/16	12:35	S	COMP	AT14060	2	X	X	

PRESERVATIVE CODE: BOTTLE TYPE: BOTTLE SIZE:

AMBIENT OR CHILLED: TEMP: 1.6 | COC TAPE: (Y) N | PROPERLY PRESERVED: (Y) N | OTHER NOTES: Analytical Report [LEVEL-2] EDD: EQUIS-DEC-DE

RECEIVED BROKEN OR LEAKING: Y (N) | COC DISCREPANCIES: Y (N) | RECVD W/I HOLDING TIMES: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	SIGNATURE Fedex	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME Patricia Nguyen	PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
COMPANY Pace	COMPANY	COMPANY	COMPANY MCC-CI	COMPANY	COMPANY
DATE/TIME 6/8/16 16:00	DATE/TIME	DATE/TIME	DATE/TIME 6/9/16 9:30	DATE/TIME	DATE/TIME

S:\LOGIN\MDLCOCS

6661 5913 9214

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical ┌ <16060161P1>ent

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fie ... ıtely.

160601611

Page: 1 of 1

1882620

Section A
Required Client Information:

Company:	Barton & Loguidice INC
Address:	10 Airline Drive Suite 200
	Albany, NY 12205
Email To:	nshaffer@bartonandloguidice
Phone: 518.218.1801	Fax: 518 218 1805
Requested Due Date/TAT:	Standard

Section B
Required Project Information:

Report To:	Andy Barber
Copy To:	Nathan Shaffer
Purchase Order No.:	ALCO 2
Project Name:	
Project Number:	1368.001.001

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	Barton And Loguidice INC
Address:	443 Electronics Parkway Liverpool NY 13088
Pace Quote Reference:	0001450?
Pace Project Manager:	Cathy Che
Pace Profile #:	

REGULATORY AGENCY

┌ NPDES ┌ GROUND WATER ┌ DRINKING WATER
┌ UST ┌ RCRA ┌ OTHER ______

Site Location STATE: ______

Section D
Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS (4oz)	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC's - 8260*	SVOC's - 8270*	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	1602325 - W	SL	G	—	—	6/7	12:50		2	X									X	X		AT14057 * Part 375 Parameters
2	1602325 - E	SL	G	—	—	6/7	12:45		2	X									X	X		AT14058
3	1602325 - S	SL	G	—	—	6/7	12:40		2	X									X	X		AT14059
4	1602325 - Bottom	SL	C	6/7	12:30	6/7	12:35		2	X									X	X		AT14060
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	6/7/16	15:47	[signature]	6/7/16	15:47	15.8 (IR)	Y	N	Y

SAMPLE CONDITIONS

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nathan Shaffer

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/7/16

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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<16060161P2>

160601612

Sample Condition Upon Receipt

CLIENT NAME: Barton Loguidice

PROJECT: 13685-001.001

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐

TRACKING # NA

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☒ No ☐ N/A ☐

PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other ☐

ICE USED: Wet ☒ Blue ☐ None ☐

THERMOMETER USED: #164 ☐ IR Gun 03 ☒ #160239773 ☐ #160239773-PRB ☐

COOLER TEMPERATURE (°C): 15.8

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒

COMMENTS:

Temperature is Acceptable? ☒ Yes ☐ No

Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name / Signature on COC:	☒ Yes	☐ No		4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7.
Sufficient Volume:	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
- Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests:	☐ Yes	☐ No	☒ N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☐ Yes	☒ No		12. Collection time on COC of 12:35 for sample "1602325-13Bottle" does not match client label of 12:30
All containers needing preservation have been checked:	☐ Yes	☐ No	☐ N/A	13. Samples not collected per method 5035 guidance.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐ Yes	☒ No	☐ N/A	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present:	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot #: N/A				

Sample Receipt form filled in: _____

Line-Out (Includes Copying Shipping Documents and verifying sample pH): PMP 6/8/16

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): _____

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): PMP 6/8/16

September 2, 2016

Mr. John R. Strang, P.E.
Environmental Engineer 2
New York State Department of Environmental Conservation
Region 4
1130 South Westcott Road
Schenectady, New York 12306-2014

Via Electronic Mail

Re: Tanks 011, 012, 013, and 014
ALCO – BCP Site C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, Inc. (B&L) has prepared the following report for the results of the sampling for the Tanks 011, 012, 013, and 014 closure activities.

Summary of IRM Activities

Excavation activities were undertaken at the tank 011, 012, 013, and 014 area in accordance with the approved November 2014 Addendum to the Excavation Work Plan (EXC-WP) dated May 2014. The top of the tanks 011, 012, and 013 were removed by the excavator and approximately 300 tons of the flowable fill (concrete) was removed and stockpiled on a separate storage area that was lined with plastic sheeting and bermed to prohibit run-off. Incidental small quantities of water with no petroleum sheen or odor were observed on the surface of the concrete in tanks 012 and 013. Tanks 011, 012, and 013 were removed on July 13, 14, and 15, 2016. Tank 014 was nearly full of fluids and sludge and was carefully removed while intact on July 13, 2016 and staged on plastic. Tank 011, 012, and 013 interior surfaces were observed to be free of petroleum staining and odor and with NYSDEC concurrence in the field the associated steel was combined with the facilities scrap metal for recycling. Clean Harbors vacuum pumped and cleaned tank 014 on July 27, 2016 and with NYSDEC concurrence in the field the associated steel was combined with the facilities scrap metal for recycling.

Visibly clean overlying soils were removed and stockpiled. Groundwater was not encountered. Soil sampling of each tank excavation were conducted on July 15 with concurrence from NYSDEC on the number and locations of the soil samples.

Summary of Sample Results

A total of three soil samples were collected, at locations shown on the attached sketch. In addition to volatile organic compounds (VOCs), soil samples were also analyzed for semi-VOCs at the request of NYSDEC. VOCs were not detected. Detections for SVOCs are summarized on the attached table. Sample T-12 had the SVOC benzo(b)fluoranthene at a concentration above the Restricted Residential Soil Cleanup Objective (SCO).

The SVOCs detected were polynuclear aromatic hydrocarbons (PAHs), that are typically related to coal usage; the PAH detections are consistent with the site-wide PAH detections that constitute Area of Concern 3 that will be addressed by the soil cover. The laboratory results for the soil samples are also attached to this letter.

Recommendations

- No additional investigation or remediation is recommended for the area associated with tanks 011, 012, 013, and 014.

- Given the observations made, B&L recommends re-use of the associated concrete flowable fill through addition to the current stock pile on-site in preparation for concrete crushing.

Additional items to be forwarded to the NYSDEC upon receipt are non-hazardous waste manifests and disposal receipts associated with tank 014 contents.

Please feel free to contact the undersigned at (518) 218-1801 with any questions or need for additional information.

Very truly yours,

BARTON & LOGUIDICE, INC.

Andrew J. Barber
Sr. Environmental Consultant

AJB/akd
Enclosure
cc: Steve Porter, Esq. - Maxon ALCO Holdings LLC
Steve Luciano - Maxon ALCO Holdings LLC
Paul Fallati - Maxon ALCO Holdings LLC
Dean Sommer, Esq. - Young Sommer
Rich Ostrov - NYSDEC Region 4, OGC
Al DeMarco - NYSDOH

ALCO Brownfield Site 301 Nott Road, Schenectady NY						
COMPOUND	**NYSDEC Part 375 Restricted Use SCO's -Restricted Residential (1)**	**UNIT**	**T-11**	**T-12**	**T-13**	**DUP-X**
Acenapthene	100,000	µg/kg	-	160 J	-	-
Anthracene	100,000	µg/kg	-	420 S	-	-
Benzo(a)anthracene	1,000	µg/kg	-	940	-	-
Benzo(a)pyrene	1,000	µg/kg	-	810 S	-	-
Benzo(b)fluoranthene	1,000	µg/kg	-	**1,100**	**-**	-
Benzo(g,h,i)perylene	100,000	µg/kg	-	520 S	-	-
Benzo(k)fluoranthene	3,900	µg/kg	-	400	-	-
Chrysene	3,900	µg/kg	-	950 S	-	-
Dibenzo(a,h)anthracene	330	µg/kg	-	150 Jc	-	-
Dibenzofuran	59,000	µg/kg	-	100 J	-	-
Fluoranthene	100,000	µg/kg	-	2,300	-	-
Fluorene	100,000	µg/kg	-	160 J	-	-
Indeno(1,2,3-cd)pyrene	500	µg/kg	-	490 S	-	-
Napthalene	100,000	µg/kg	-	97 J	-	-
Phenanthrene	100,000	µg/kg	-	1,900	-	-
Pyrene	100,000	µg/kg	-	1,800	-	-

- = Not Detected

c = Calibration acceptability criteria exceeded for this analyte. Value estimated

J = Estimated value below calibration range

S = Recovery outside of control limits for this analyte

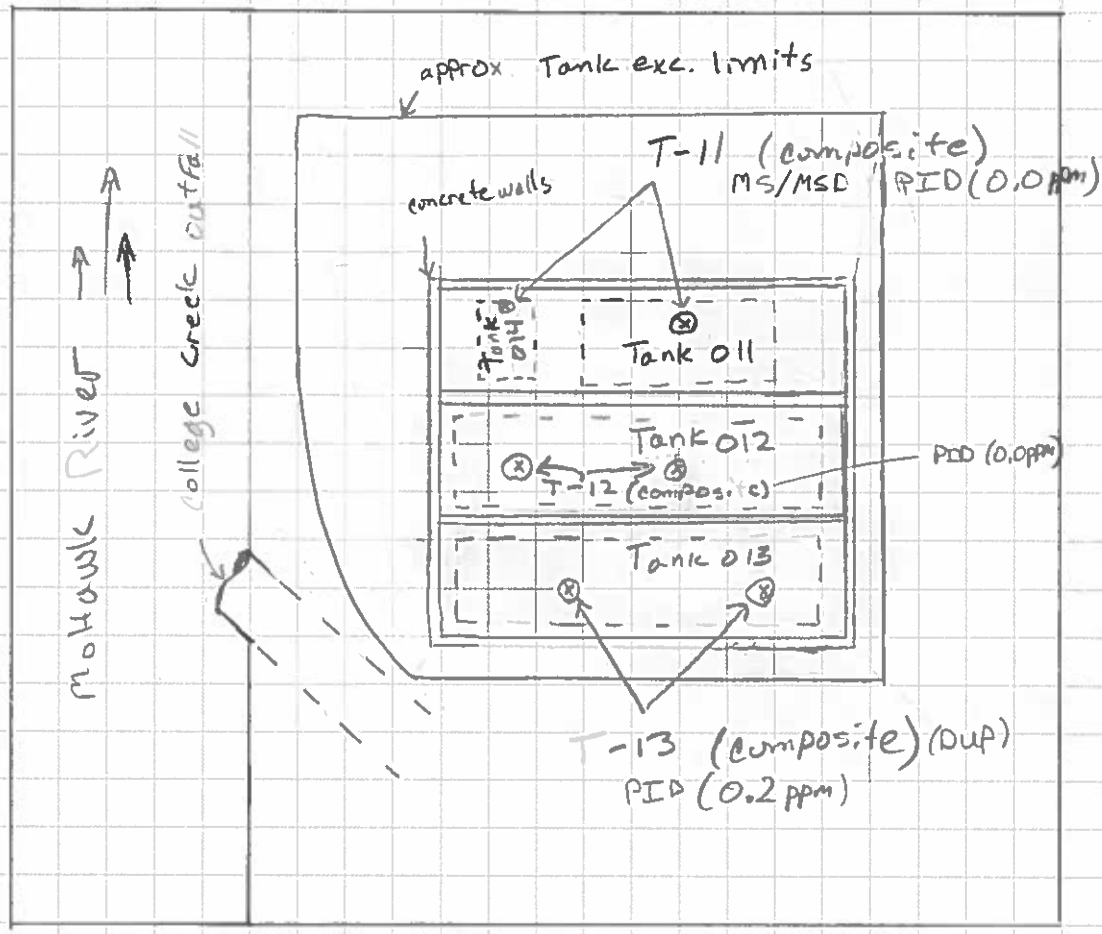
Bold values indicate exceedances.

Blind duplicate sample "Dup" collected at T-13.

1. NYSDEC Part 375 Table 375-6.8(b) Restricted Use Soil Cleanup Objectives (SCOs) for the Protection of Public Health.

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
10 Airline Drive • Suite 200 • Albany, NY 12205
Telephone: (518) 218-1801 • Facsimile (518) 218-1805

JOB ALCO 1368.001.001
SHEET NO. 1 OF 1
CALCULATED BY NJS DATE July 2016
CHECKED BY DATE
DESCRIPTION Tanks 011, 012, 013 and 014 confirmatory sample locations



Notes

Tank capacities

Tank 011 = ~ 8'x16' = ~6,000 Gal.
Tank 012 = ~8'x32' = Tank 013 = ~12,000 Gal.
Tank 014 = ~ 4'x6' = ~ 550 Gal.

(Not to scale)

⊗ approx confirmatory sample locations

Tanks were resting on concrete within three separate concrete vaults
Tanks 011 and 014 Removed on 7/13/2016. Tank 012 Removed on 7/14/206. Tank 013 Rem. 7/15/16.

Pace Analytical e-Report

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

Report prepared for:
BARTON AND LOGUIDICE
10 AIRLINE DRIVE
ALBANY, NY 12205
CONTACT: ANDY BARBER

Project ID: ALCO
Sampling Date(s): July 15, 2016
Lab Report ID: 16070280
Client Service Contact: Nick Nicholas (518) 346-4592

Analysis Included:
VOCs E8260C - Sub Pace LI
SVOCs E8270D - Sub Pace LI

Roy Smith
Technical Director

Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virginia (460241)

Pace Analytical Services, Inc. | 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Table of Contents

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 reanalyzed 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 – Adjusted Method Detection Limit.

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. PQLs are adjusted for sample weight/volume and dilution factors.

RL - Reporting Limit Denotes lowest analyte concentration reportable for the sample based on regulatory or project specific limits.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL) or the Reporting Limit (RL) or the Method Detection Limit (MDL) as applicable.

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

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must b <16070280P1>

160702801

Page: 1 of 1

1590621

Section A Required Client Information:

Company: Burton Rail Logistics INC
Address: 10 Airline Drive Suite 200
Albany NY 12205
Email To: NSchaffer@Burtonraillogistics.com
Phone: Fax:
Requested Due Date/TAT: ASAP

Section B Required Project Information:

Report To: Nadine Shaffer
Copy To: Andy Barbera
Purchase Order No.:
Project Name: AICO
Project Number: 1368.001.001

Section C Invoice Information:

Attention: Accounts Payable
Company Name: Burton Rail Logistics INC
Address: 443 Electronics Pkwy Liverpool NY 13088
Pace Quote Reference:
Pace Project Manager: Cathy Chan
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOC's 8260	SVOC's 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	T-11	SL	C	7/15	8:00				2	X								X	X		Cat B deliverables LAT17549
2	T-12	SL	C	7/15	8:05				2	X								X	X		LAT17550
3	T-13	SL	C	7/15	8:10				2	X								X	X		LAT17551
4	Dup	SL	C	7/15	8:15				2	X								X	X		LAT17552
5	MS/MSD (T-11)	SL	C	7/15	8:20				2	X								X	X		LAT17553
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
CAT B deliverables		7/15/16	1145	A. Ramey Pace	7/15/16	1145	4.8(R)	Y	N	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Nadine Shaffer
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 7/15/16

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

<16070280P2>

Sample Condition Upon Receipt

CLIENT NAME: BARTON & LOGUIDICE

PROJECT : ALCO

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐

TRACKING # N/A

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☐ No ☐ N/A ☒

PACKING MATERIAL: Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other ☐ ICE USED: Wet ☒ Blue ☐ None ☐

THERMOMETER USED: #164 ☐ IR Gun 03 ☒ #160239773 ☐ #160239773-PRB ☐ COOLER TEMPERATURE (°C): 4, 8

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒

COMMENTS: Temperature is Acceptable? ☒ Yes ☐ No

Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name / Signature on COC:	☒ Yes	☐ No		4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7. ASAP
Sufficient Volume:	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
- Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests:	☐ Yes	☐ No	☒ N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☒ Yes	☐ No		12. Received four containers for sample MS/MSD (T-11), but only two are listed on COC
All containers needing preservation have been checked:	☐ Yes	☐ No	☒ N/A	13.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐ Yes	☐ No	☒ N/A	Initial when completed: N/A Lot # of added preservative: N/A
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present:	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot #: N/A				

Sample Receipt form filled in: AR 7/15/16

Line-Out (Includes Copying Shipping Documents and verifying sample pH): AR 7/15/16

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): SMP 7/15/16

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): AR 7/15/16

SAMPLE RECEIPT

SAMPLE RECEIPT REPORT
16070280

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

CLIENT: BARTON AND LOGUIDICE
PROJECT: ALCO
LRF: 16070280
REPORT: DATA PACKAGE
EDD: YES
LRF TAT: *48 HOUR*

RECEIVED DATE: 07/15/2016 11:45
SHIPPED VIA: DROP OFF [1,2]
SHIPPING ID:
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): [5] 4.8 (IR) °C

SAMPLE SEALS INTACT: NA
SAMPLES PRESERVED PER METHOD GUIDANCE: YES
[3] SAMPLES REC'D IN HOLDTIME: YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: YES

COMMENTS:
RECEIVED 4 CONTAINERS FOR SAMPLE MS/MSD (T-11) ONLY TWO ARE LISTED ON COC

3

CLIENT ID (LAB ID)	TAT-DUE Date [4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
T-11 (AT17549)	*48 HOUR* 07-19-16	07/15/2016 08:00	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	MS, MSD
	48 HOUR 07-19-16	07/15/2016 08:00	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	MS, MSD
T-12 (AT17550)	*48 HOUR* 07-19-16	07/15/2016 08:05	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	
	48 HOUR 07-19-16	07/15/2016 08:05	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	
T-13 (AT17551)	*48 HOUR* 07-19-16	07/15/2016 08:10	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	
	48 HOUR 07-19-16	07/15/2016 08:10	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	
DUP (AT17552)	*48 HOUR* 07-19-16	07/15/2016 08:15	Soil	SVOCs E8270D	SVOCs E8270D - Sub Pace LI	
	48 HOUR 07-19-16	07/15/2016 08:15	Soil	VOCs E8260C	VOCs E8260C - Sub Pace LI	

[1]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.
[2]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.
[3]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.
[4]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.
[5]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.
[6]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

Subcontract Analysis

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Case Narrative

WO#: **1607D46**

Date:

CLIENT: Pace Analytical Services Inc.
Project: 16070280 - 1368.001

SAMPLING METHOD 5035A NOT FOLLOWED

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:00:00 AM
Received : 7/16/2016 9:45:00 AM
Collected By CLIENT

Lab No. : 1607D46-001
Client Sample ID: T-11

AT17549/AT17553

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,1,1-Trichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,1,2-Trichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,1-Dichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,1-Dichloroethene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,1-Dichloropropene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2,3-Trichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2,3-Trichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2,4-Trimethylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2-Dibromoethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2-Dichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2-Dichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,2-Dichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,3-Dichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,3-Dichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
1,4-Dichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
2,2-Dichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
2-Butanone	< 2.1	c	1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
2-Chloroethylvinyl ether	< 2.1	c	1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
2-Chlorotoluene/4-Chlorotoluene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
2-Hexanone	< 2.1	c	1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
4-Isopropyltoluene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
4-Methyl-2-pentanone	< 2.1	c	1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Acetone	< 10	c	1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Benzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
Date Reported :

Caitlin Panzarella
Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:00:00 AM
Received : 7/16/2016 9:45:00 AM
Collected By CLIENT

Lab No. : 1607D46-001
Client Sample ID: T-11

AT17549/AT17553

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Bromochloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Bromodichloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Bromoform	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Bromomethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Carbon disulfide	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Carbon tetrachloride	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Chlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Chloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Chloroform	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Chloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Dibromochloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Dibromomethane	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Dichlorodifluoromethane	< 2.1	c	1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Ethylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Hexachlorobutadiene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Isopropylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
m,p-Xylene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Methyl tert-butyl ether	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Methylene chloride	< 10		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Naphthalene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
n-Butylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
n-Propylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
o-Xylene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
sec-Butylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Styrene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
tert-Butylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03
Tetrachloroethene	< 2.1		1	µg/Kg-dry	07/18/2016 6:59 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Date Reported :

Caitlin Panzarella

Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results are only for the samples and analytes requested.

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:00:00 AM
Received : 7/16/2016 9:45:00 AM
Collected By CLIENT

Lab No. : 1607D46-001
Client Sample ID: T-11

AT17549/AT17553

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Toluene	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
Trichloroethene	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
Trichlorofluoromethane	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
Vinyl acetate	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
Vinyl chloride	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
Xylene (total)	< 2.1		1	µg/Kg-dry			07/18/2016 6:59 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	92.7		1	%Rec	Limit	33-145	07/18/2016 6:59 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	86.8		1	%Rec	Limit	60-148	07/18/2016 6:59 PM	Container-01 of 03
Surr: Toluene-d8	91.8		1	%Rec	Limit	60-132	07/18/2016 6:59 PM	Container-01 of 03

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

4

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M-, M+ = Matrix Spike recovery below / above control limit
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S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
Date Reported :

Caitlin Panzarella
Project Manager : Caitlin Panzarella

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Pace Analytical
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:00:00 AM
Received : 7/16/2016 9:45:00 AM
Collected By CLIENT

Lab No. : 1607D46-001
Client Sample ID: T-11

AT17549/AT17553

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2,4-Dichlorophenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2,4-Dimethylphenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2,4-Dinitrophenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2,4-Dinitrotoluene	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2,6-Dinitrotoluene	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2-Chloronaphthalene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2-Chlorophenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2-Methylnaphthalene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2-Methylphenol	< 340		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2-Nitroaniline	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
2-Nitrophenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
3,3´-Dichlorobenzidine	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
3-Nitroaniline	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
4-Bromophenyl-phenylether	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
4-Chloroaniline	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
4-Chlorophenyl-phenylether	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
4-Nitroaniline	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
4-Nitrophenol	< 350		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Acenaphthene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Acenaphthylene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Anthracene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Benzo(a)anthracene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Benzo(a)pyrene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Benzo(b)fluoranthene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Benzo(g,h,i)perylene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01
Benzo(k)fluoranthene	< 170		1	µg/Kg-dry	07/19/2016 1:23 PM	Container-01 of 01

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Date Reported :

Caitlin Panzarella

Project Manager : Caitlin Panzarella

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Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:00:00 AM
Received : 7/16/2016 9:45:00 AM
Collected By CLIENT

Lab No. : 1607D46-001
Client Sample ID: T-11
AT17549/AT17553

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethoxy)methane	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Bis(2-chloroethyl)ether	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Butyl benzyl phthalate	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Carbazole	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Chrysene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Dibenzo(a,h)anthracene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Dibenzofuran	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Diethylphthalate	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Dimethylphthalate	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Di-n-butyl phthalate	87	J	1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Di-n-octyl phthalate	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Fluoranthene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Fluorene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Hexachlorobenzene	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Hexachlorobutadiene	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Hexachlorocyclopentadiene	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Hexachloroethane	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Isophorone	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Naphthalene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Nitrobenzene	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
N-Nitrosodiphenylamine	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Pentachlorophenol	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Phenanthrene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Phenol	< 350		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Pyrene	< 170		1	µg/Kg-dry			07/19/2016 1:23 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	77.4		1	%Rec	Limit	20-130	07/19/2016 1:23 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	88.6		1	%Rec	Limit	19-122	07/19/2016 1:23 PM	Container-01 of 01

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Date Reported :

Caitlin Panzarella
Project Manager : Caitlin Panzarella

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Attn To : Nicholas Nicholas

Collected : 7/15/2016 8:00:00 AM
Received : 7/16/2016 9:45:00 AM
Collected By CLIENT

Lab No. : 1607D46-001
Client Sample ID: T-11

AT17549/AT17553

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 2-Chlorophenol-d4	85.4		1	%Rec	Limit	20-130	07/19/2016 1:23 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	78.5		1	%Rec	Limit	30-115	07/19/2016 1:23 PM	Container-01 of 01
Surr: 2-Fluorophenol	75.1		1	%Rec	Limit	25-121	07/19/2016 1:23 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	81.3		1	%Rec	Limit	18-137	07/19/2016 1:23 PM	Container-01 of 01
Surr: Nitrobenzene-d5	80.9		1	%Rec	Limit	23-120	07/19/2016 1:23 PM	Container-01 of 01
Surr: Phenol-d5	82.0		1	%Rec	Limit	24-113	07/19/2016 1:23 PM	Container-01 of 01

Analytical Method: D2216 : Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	3.8		1	wt%	07/19/2016 3:41 PM	Container-01 of 03

4

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:05:00 AM
Received : 7/16/2016 9:45:00 AM AT17550
Collected By CLIENT

Lab No. : 1607D46-002
Client Sample ID: T-12

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,1,1-Trichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,1,2-Trichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,1-Dichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,1-Dichloroethene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,1-Dichloropropene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2,3-Trichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2-Dibromoethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2-Dichloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,2-Dichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,3-Dichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
2,2-Dichloropropane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
2-Butanone	< 2.1	c	1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
2-Chloroethylvinyl ether	< 2.1	c	1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
2-Hexanone	< 2.1	c	1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
4-Isopropyltoluene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
4-Methyl-2-pentanone	< 2.1	c	1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Acetone	< 10	c	1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Benzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01

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Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:05:00 AM
Received : 7/16/2016 9:45:00 AM AT17550
Collected By CLIENT

Lab No. : 1607D46-002
Client Sample ID: T-12

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Bromochloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Bromodichloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Bromoform	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Bromomethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Carbon disulfide	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Carbon tetrachloride	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Chlorobenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Chloroethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Chloroform	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Chloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Dibromochloromethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Dibromomethane	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Dichlorodifluoromethane	< 2.1	c	1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Ethylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Hexachlorobutadiene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Isopropylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
m,p-Xylene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Methylene chloride	< 10		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Naphthalene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
n-Butylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
n-Propylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
o-Xylene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
sec-Butylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Styrene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
tert-Butylbenzene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01
Tetrachloroethene	< 2.1		1	µg/Kg-dry	07/18/2016 7:20 PM	Container-01 of 01

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Collected : 7/15/2016 8:05:00 AM
Received : 7/16/2016 9:45:00 AM AT17550
Collected By CLIENT

Lab No. : 1607D46-002
Client Sample ID: T-12

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Toluene	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
Trichloroethene	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
Trichlorofluoromethane	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
Vinyl acetate	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
Vinyl chloride	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
Xylene (total)	< 2.1		1	µg/Kg-dry			07/18/2016 7:20 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	92.7		1	%Rec	Limit	33-145	07/18/2016 7:20 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	85.8		1	%Rec	Limit	60-148	07/18/2016 7:20 PM	Container-01 of 01
Surr: Toluene-d8	92.0		1	%Rec	Limit	60-132	07/18/2016 7:20 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
N = Indicates presumptive evidence of compound
P = Duplicate RPD outside of control limit
r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Date Reported :

Caitlin Panzarella

Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:05:00 AM
Received : 7/16/2016 9:45:00 AM AT17550
Collected By CLIENT

Lab No. : 1607D46-002
Client Sample ID: T-12

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2,4-Dichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2,4-Dimethylphenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2,4-Dinitrophenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2,4-Dinitrotoluene	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2,6-Dinitrotoluene	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2-Chloronaphthalene	< 170		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2-Chlorophenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2-Methylnaphthalene	< 170		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2-Methylphenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
2-Nitrophenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
3,3´-Dichlorobenzidine	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
3-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
4-Bromophenyl-phenylether	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
4-Chloroaniline	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
4-Chlorophenyl-phenylether	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
4-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
4-Nitrophenol	< 340		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Acenaphthene	160	J	1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Acenaphthylene	< 170		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Anthracene	420	S	1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Benzo(a)anthracene	940		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Benzo(a)pyrene	810	S	1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Benzo(b)fluoranthene	1,100		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Benzo(g,h,i)perylene	520	S	1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01
Benzo(k)fluoranthene	400		1	µg/Kg-dry	07/19/2016 2:46 PM	Container-01 of 01

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2190 Technology Drive
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Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:05:00 AM
Received : 7/16/2016 9:45:00 AM AT17550
Collected By CLIENT

Lab No. : 1607D46-002
Client Sample ID: T-12

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethoxy)methane	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Bis(2-chloroethyl)ether	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Butyl benzyl phthalate	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Carbazole	160	J	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Chrysene	950	S	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Dibenzo(a,h)anthracene	150	Jc	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Dibenzofuran	100	J	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Diethylphthalate	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Dimethylphthalate	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Di-n-butyl phthalate	84	J	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Di-n-octyl phthalate	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Fluoranthene	2,300		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Fluorene	160	J	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Hexachlorobenzene	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Hexachlorobutadiene	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Hexachlorocyclopentadiene	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Hexachloroethane	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	490	S	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Isophorone	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Naphthalene	97	J	1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Nitrobenzene	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
N-Nitrosodiphenylamine	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Pentachlorophenol	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Phenanthrene	1,900		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Phenol	< 340		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Pyrene	1,800		1	µg/Kg-dry			07/19/2016 2:46 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	72.0		1	%Rec	Limit	20-130	07/19/2016 2:46 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	81.7		1	%Rec	Limit	19-122	07/19/2016 2:46 PM	Container-01 of 01

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Date Reported :

Caitlin Panzarella
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Received : 7/16/2016 9:45:00 AM AT17550
Collected By CLIENT

Lab No. : 1607D46-002
Client Sample ID: T-12

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 2-Chlorophenol-d4	79.4		1	%Rec	Limit	20-130	07/19/2016 2:46 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	76.2		1	%Rec	Limit	30-115	07/19/2016 2:46 PM	Container-01 of 01
Surr: 2-Fluorophenol	70.7		1	%Rec	Limit	25-121	07/19/2016 2:46 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	78.8		1	%Rec	Limit	18-137	07/19/2016 2:46 PM	Container-01 of 01
Surr: Nitrobenzene-d5	76.0		1	%Rec	Limit	23-120	07/19/2016 2:46 PM	Container-01 of 01
Surr: Phenol-d5	77.3		1	%Rec	Limit	24-113	07/19/2016 2:46 PM	Container-01 of 01

Analytical Method: D2216 : Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	3.4		1	wt%	07/19/2016 3:46 PM	Container-01 of 01

4

Qualifiers: E = Value above quantitation range, Value estimated.
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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:10:00 AM
Received : 7/16/2016 9:45:00 AM AT17551
Collected By CLIENT

Lab No. : 1607D46-003
Client Sample ID: T-13

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,1,1-Trichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,1,2-Trichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,1-Dichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,1-Dichloroethene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,1-Dichloropropene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2,3-Trichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2-Dibromoethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2-Dichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,2-Dichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,3-Dichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
2,2-Dichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
2-Butanone	< 2.0	c	1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
2-Chloroethylvinyl ether	< 2.0	c	1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
2-Hexanone	< 2.0	c	1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
4-Isopropyltoluene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
4-Methyl-2-pentanone	< 2.0	c	1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Acetone	< 10	c	1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Benzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01

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Collected By CLIENT

Lab No. : 1607D46-003
Client Sample ID: T-13

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Bromochloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Bromodichloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Bromoform	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Bromomethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Carbon disulfide	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Carbon tetrachloride	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Chlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Chloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Chloroform	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Chloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Dibromochloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Dibromomethane	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Dichlorodifluoromethane	< 2.0	c	1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Ethylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Hexachlorobutadiene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Isopropylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
m,p-Xylene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Methylene chloride	< 10		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Naphthalene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
n-Butylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
n-Propylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
o-Xylene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
sec-Butylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Styrene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
tert-Butylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01
Tetrachloroethene	< 2.0		1	µg/Kg-dry	07/18/2016 7:41 PM	Container-01 of 01

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+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
Date Reported :

Caitlin Panzarella
Project Manager : Caitlin Panzarella

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Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:10:00 AM
Received : 7/16/2016 9:45:00 AM AT17551
Collected By CLIENT

Lab No. : 1607D46-003
Client Sample ID: T-13

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Toluene	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
Trichloroethene	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
Trichlorofluoromethane	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
Vinyl acetate	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
Vinyl chloride	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
Xylene (total)	< 2.0		1	µg/Kg-dry			07/18/2016 7:41 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	97.8		1	%Rec	Limit	33-145	07/18/2016 7:41 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	87.0		1	%Rec	Limit	60-148	07/18/2016 7:41 PM	Container-01 of 01
Surr: Toluene-d8	90.7		1	%Rec	Limit	60-132	07/18/2016 7:41 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

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B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
c = Calibration acceptability criteria exceeded for this analyte.Value estimated
H = Received/analyzed outside of analytical holding time
J = Estimated value - below calibration range
M-, M+ = Matrix Spike recovery below / above control limit
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Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:10:00 AM
Received : 7/16/2016 9:45:00 AM AT17551
Collected By CLIENT

Lab No. : 1607D46-003
Client Sample ID: T-13

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2,4-Dichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2,4-Dimethylphenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2,4-Dinitrophenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2,4-Dinitrotoluene	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2,6-Dinitrotoluene	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2-Chloronaphthalene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2-Chlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2-Methylnaphthalene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2-Methylphenol	< 330		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
2-Nitrophenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
3,3´-Dichlorobenzidine	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
3-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
4-Bromophenyl-phenylether	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
4-Chloroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
4-Chlorophenyl-phenylether	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
4-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
4-Nitrophenol	< 340		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Acenaphthene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Acenaphthylene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Anthracene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Benzo(a)anthracene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Benzo(a)pyrene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Benzo(b)fluoranthene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Benzo(g,h,i)perylene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01
Benzo(k)fluoranthene	< 170		1	µg/Kg-dry	07/19/2016 3:14 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
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Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:10:00 AM
Received : 7/16/2016 9:45:00 AM AT17551
Collected By CLIENT

Lab No. : 1607D46-003
Client Sample ID: T-13

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethoxy)methane	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Bis(2-chloroethyl)ether	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Butyl benzyl phthalate	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Carbazole	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Chrysene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Dibenzo(a,h)anthracene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Dibenzofuran	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Diethylphthalate	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Dimethylphthalate	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Di-n-butyl phthalate	95	J	1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Di-n-octyl phthalate	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Fluoranthene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Fluorene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Hexachlorobenzene	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Hexachlorobutadiene	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Hexachlorocyclopentadiene	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Hexachloroethane	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Isophorone	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Naphthalene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Nitrobenzene	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
N-Nitrosodiphenylamine	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Pentachlorophenol	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Phenanthrene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Phenol	< 340		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Pyrene	< 170		1	µg/Kg-dry			07/19/2016 3:14 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	72.9		1	%Rec	Limit	20-130	07/19/2016 3:14 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	75.3		1	%Rec	Limit	19-122	07/19/2016 3:14 PM	Container-01 of 01

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Collected By CLIENT

Lab No. : 1607D46-003
Client Sample ID: T-13

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 2-Chlorophenol-d4	78.5		1	%Rec	Limit	20-130	07/19/2016 3:14 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	73.5		1	%Rec	Limit	30-115	07/19/2016 3:14 PM	Container-01 of 01
Surr: 2-Fluorophenol	70.6		1	%Rec	Limit	25-121	07/19/2016 3:14 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	76.0		1	%Rec	Limit	18-137	07/19/2016 3:14 PM	Container-01 of 01
Surr: Nitrobenzene-d5	75.7		1	%Rec	Limit	23-120	07/19/2016 3:14 PM	Container-01 of 01
Surr: Phenol-d5	76.1		1	%Rec	Limit	24-113	07/19/2016 3:14 PM	Container-01 of 01

Analytical Method: D2216 : Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	1.3		1	wt%	07/19/2016 3:46 PM	Container-01 of 01

4

Qualifiers: E = Value above quantitation range, Value estimated.
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Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:15:00 AM
Received : 7/16/2016 9:45:00 AM AT17552
Collected By CLIENT

Lab No. : 1607D46-004
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,1,1-Trichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,1,2-Trichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,1-Dichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,1-Dichloroethene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,1-Dichloropropene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2,3-Trichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2,3-Trichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2,4-Trichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2,4-Trimethylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2-Dibromo-3-chloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2-Dibromoethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2-Dichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2-Dichloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,2-Dichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,3,5-Trimethylbenzene/P-ethyltoluene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,3-Dichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,3-Dichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
1,4-Dichlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
2,2-Dichloropropane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
2-Butanone	< 2.0	c	1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
2-Chloroethylvinyl ether	< 2.0	c	1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
2-Chlorotoluene/4-Chlorotoluene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
2-Hexanone	< 2.0	c	1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
4-Isopropyltoluene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
4-Methyl-2-pentanone	< 2.0	c	1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Acetone	< 10	c	1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Benzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01

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Collected By CLIENT

Lab No. : 1607D46-004
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Bromobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Bromochloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Bromodichloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Bromoform	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Bromomethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Carbon disulfide	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Carbon tetrachloride	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Chlorobenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Chloroethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Chloroform	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Chloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
cis-1,2-Dichloroethene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Dibromochloromethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Dibromomethane	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Dichlorodifluoromethane	< 2.0	c	1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Ethylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Hexachlorobutadiene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Isopropylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
m,p-Xylene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Methyl tert-butyl ether	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Methylene chloride	< 10		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Naphthalene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
n-Butylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
n-Propylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
o-Xylene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
sec-Butylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Styrene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
tert-Butylbenzene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01
Tetrachloroethene	< 2.0		1	µg/Kg-dry	07/18/2016 8:02 PM	Container-01 of 01

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r = Reporting limit below calibration range. Value estimated.
S = Recovery outside of control limits for this analyte
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method

Date Reported :

Caitlin Panzarella

Project Manager : Caitlin Panzarella

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

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Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : Nicholas Nicholas
Collected : 7/15/2016 8:15:00 AM
Received : 7/16/2016 9:45:00 AM AT17552
Collected By CLIENT

Lab No. : 1607D46-004
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260C : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Toluene	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
trans-1,2-Dichloroethene	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
Trichloroethene	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
Trichlorofluoromethane	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
Vinyl acetate	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
Vinyl chloride	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
Xylene (total)	< 2.0		1	µg/Kg-dry			07/18/2016 8:02 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	95.0		1	%Rec	Limit	33-145	07/18/2016 8:02 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	87.1		1	%Rec	Limit	60-148	07/18/2016 8:02 PM	Container-01 of 01
Surr: Toluene-d8	89.5		1	%Rec	Limit	60-132	07/18/2016 8:02 PM	Container-01 of 01

NOTES:
Results may be biased low due to sample not being collected according to 5035A low level specifications.

4

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Caitlin Panzarella
Project Manager : Caitlin Panzarella

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2190 Technology Drive
Schenectady, NY 12308

Attn To : Nicholas Nicholas

Collected : 7/15/2016 8:15:00 AM
Received : 7/16/2016 9:45:00 AM AT17552
Collected By CLIENT

Lab No. : 1607D46-004
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
2,4,5-Trichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2,4-Dichlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2,4-Dimethylphenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2,4-Dinitrophenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2,4-Dinitrotoluene	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2,6-Dinitrotoluene	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2-Chloronaphthalene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2-Chlorophenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2-Methylnaphthalene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2-Methylphenol	< 330		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
2-Nitrophenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
3,3´-Dichlorobenzidine	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
3-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
4-Bromophenyl-phenylether	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
4-Chloroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
4-Chlorophenyl-phenylether	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
4-Nitroaniline	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
4-Nitrophenol	< 340		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Acenaphthene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Acenaphthylene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Anthracene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Benzo(a)anthracene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Benzo(a)pyrene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Benzo(b)fluoranthene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Benzo(g,h,i)perylene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01
Benzo(k)fluoranthene	< 170		1	µg/Kg-dry	07/19/2016 3:42 PM	Container-01 of 01

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Date Reported :

Caitlin Panzarella

Project Manager : Caitlin Panzarella

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Attn To : Nicholas Nicholas

Collected : 7/15/2016 8:15:00 AM
Received : 7/16/2016 9:45:00 AM AT17552
Collected By CLIENT

Lab No. : 1607D46-004
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Bis(2-chloroethoxy)methane	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Bis(2-chloroethyl)ether	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Butyl benzyl phthalate	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Carbazole	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Chrysene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Dibenzo(a,h)anthracene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Dibenzofuran	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Diethylphthalate	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Dimethylphthalate	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Di-n-butyl phthalate	76	J	1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Di-n-octyl phthalate	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Fluoranthene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Fluorene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Hexachlorobenzene	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Hexachlorobutadiene	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Hexachlorocyclopentadiene	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Hexachloroethane	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Isophorone	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Naphthalene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Nitrobenzene	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
N-Nitrosodiphenylamine	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Pentachlorophenol	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Phenanthrene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Phenol	< 340		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Pyrene	< 170		1	µg/Kg-dry			07/19/2016 3:42 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	64.9		1	%Rec	Limit	20-130	07/19/2016 3:42 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	65.5		1	%Rec	Limit	19-122	07/19/2016 3:42 PM	Container-01 of 01

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Date Reported :

Caitlin Panzarella

Project Manager : Caitlin Panzarella

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2190 Technology Drive
Schenectady, NY 12308

Attn To : Nicholas Nicholas

Collected : 7/15/2016 8:15:00 AM
Received : 7/16/2016 9:45:00 AM AT17552
Collected By CLIENT

Lab No. : 1607D46-004
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270D : Prep Method: SW3545A Prep Date: 7/18/2016 2:59:31 PM Analyst: EAG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 2-Chlorophenol-d4	69.0		1	%Rec	Limit	20-130	07/19/2016 3:42 PM	Container-01 of 01
Surr: 2-Fluorobiphenyl	67.8		1	%Rec	Limit	30-115	07/19/2016 3:42 PM	Container-01 of 01
Surr: 2-Fluorophenol	60.7		1	%Rec	Limit	25-121	07/19/2016 3:42 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	69.5		1	%Rec	Limit	18-137	07/19/2016 3:42 PM	Container-01 of 01
Surr: Nitrobenzene-d5	67.1		1	%Rec	Limit	23-120	07/19/2016 3:42 PM	Container-01 of 01
Surr: Phenol-d5	67.3		1	%Rec	Limit	24-113	07/19/2016 3:42 PM	Container-01 of 01

Analytical Method: D2216 : Analyst: RL

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	1.2		1	wt%	07/19/2016 3:47 PM	Container-01 of 01

4

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Date Reported :

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Project Manager : Caitlin Panzarella

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PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name **PACE-NY**

Date and Time Received: **7/16/2016 9:45:00 AM**

Work Order Number: **1607D46** RcptNo: **1**

Received by **Jaclyn Kuri**

Completed by: Jaclyn Kuri

Reviewed by: Caitlin Panzarella

Completed Date: 7/16/2016 1:40:40 PM

Reviewed Date: 7/20/2016 11:56:37 AM

Carrier name: FedEx

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To	1.1 °
Water - Were bubbles absent in VOC vials?	Yes	☐	No	☐	No Vials	☑
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☐	No	☐	No Water	☑
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☑	No	☐		
Airbill or Sticker?	Air Bil	☑	Sticker	☐	Not Present	☐
Airbill No:	6903 0826 3335					

Case Number: SDG: PACE-NY479 SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

SAMPLING METHOD 5035A NOT FOLLOWED

CorrectiveAction:

4

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NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1607D46

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

DUPE - NY479

CHAIN OF CUSTODY RECORD

Pace Analytical Services, Inc.

2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.pacelabs.com

LRF # 16070280
(LAB USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)

- ○ RETURN TO CLIENT
- ● DISPOSAL BY RECEIVING LAB
- ○ ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): PACE	PROJECT#/PROJECT NAME: 16070280
PROJECT MANAGER: Nick Nicholas	LOCATION (CITY/STATE) ADDRESS: NY
Project: 1368.001	REQUIRED TURN AROUND TIME: 7/19/2016
Notes: PRESERVATION NOT VERIFIED AT SCHENECTAY LAB.	NAME OF COURIER (IF USED):

ELECTRONIC RESULTS: nicholas.nicholas@pacelabs.com; Nicole.Johnson@pacelabs.com

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - ICE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other (Na2SO3)

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	PRESERVATIVE CODE	BOTTLE TYPE	BOTTLE SIZE	NUMBER OF CONTAINERS	VOCs E8260C	SVOCs E8270D	REMARKS:
T-11	7/15/16	8:00	S	GRAB	AT17549		MASON	4oz	2	X	X	MS/MSD Needed for 8260 & 8270
T-12	7/15/16	8:05	S	GRAB	AT17550				2	X	X	
T-13	7/15/16	8:10	S	GRAB	AT17551				2	X	X	Removed COC 16070546 CNP 7/20/16
DUP	7/15/16	8:15	S	GRAB	AT17552				2	X	X	

AMBIENT OR CHILLED: TEMP: | COC TAPE: Y N | PROPERLY PRESERVED: Y N | OTHER NOTES: Analytical Report [LEVEL-2] EDD: EQUIS-DEC-DE

RECEIVED BROKEN OR LEAKING: Y N | COC DISCREPANCIES: Y N | RECVD W/I HOLDING TIMES: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME	PRINTED NAME
COMPANY	COMPANY	COMPANY	COMPANY	COMPANY	COMPANY
DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME

S:\LOGIN\MDLCOCS

PHC2-LI

Pace-NY 479

CHAIN OF CUSTODY RECORD

Pace Analytical Services, Inc.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
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LRF # 16070280
(LAB USE ONLY)

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- ○ RETURN TO CLIENT
- ● DISPOSAL BY RECEIVING LAB
- ○ ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): PACE	PROJECT#/PROJECT NAME: 16070280
PROJECT MANAGER: Nick Nicholas	LOCATION (CITY/STATE) ADDRESS: NY
Project: 1368.001	REQUIRED TURN AROUND TIME: 7/19/2016
Notes: PRESERVATION NOT VERIFIED AT SCHENECTAY LAB.	NAME OF COURIER (IF USED):
ELECTRONIC RESULTS: nicholas.nicholas@pacelabs.com; Nicole.Johnson@pacelabs.com	

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - ICE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other (Na2SO3)

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	NUMBER OF CONTAINERS	VOCs E8260C	SVOCs E8270D						REMARKS
PRESERVATIVE CODE:														
BOTTLE TYPE:							MASON							
BOTTLE SIZE:							4oz							
T-11	7/15/16	8:00	S	GRAB	AT17549	2	X	X						1607D46
T-12	7/15/16	8:05	S	GRAB	AT17550	2	X	X						
T-13	7/15/16	8:10	S	GRAB	AT17551	2	X	X						
DUP	7/15/16	8:15	S	GRAB	AT17552	2	X	X						
MS/MSD (T-11)	7/15/16	8:20	S	GRAB	AT17553	2	X	X						

AMBIENT OR CHILLED: TEMP: 1.0 °C
COC TAPE: (Y) N
PROPERLY PRESERVED: Y N
OTHER NOTES: Analytical Report ~~[LEVEL 2]~~ EDD: EQUIS-DEC-DE Level 4 CAT B

RECEIVED BROKEN OR LEAKING: Y N
COC DISCREPANCIES: Y N
RECVD W/I HOLDING TIMES: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE: Elizabeth Pace	SIGNATURE:	SIGNATURE: via FedEx	SIGNATURE: Carolyn Kuri	SIGNATURE:	SIGNATURE: CAP 7/18/16
PRINTED NAME: Elizabeth Pace	PRINTED NAME:	PRINTED NAME:	PRINTED NAME: Carolyn Kuri	PRINTED NAME:	PRINTED NAME:
COMPANY: Pace	COMPANY: FedEx	COMPANY:	COMPANY: PACE-LI	COMPANY:	COMPANY:
DATE/TIME: 7/15/16 16:00	DATE/TIME:	DATE/TIME:	DATE/TIME: 7/16/16 9:45	DATE/TIME:	DATE/TIME:

S:\LOGIN\MDLCOCS

CARR 0826 2335

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must b **<16070280P1>**

160702801

Page: 1 of 1

1590621

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Barton And Loguidice ENC	Report To: Noelle Shaffer	Attention: Accounts Payable
Address: 10 Airline Drive Suite 200 Albany NY 12205	Copy To: Andy Barbera	Company Name: Barton And Loguidice ENC
Email To: NShaffer@Bartonandloguidice	Purchase Order No.:	Address: 443 Electronics Pkwy Liverpool NY 13088
Phone: Fax:	Project Name: AICO	Pace Quote Reference:
Requested Due Date/TAT: ASAP	Project Number: 1368.001.001	Pace Project Manager: Cathy Chen
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

Matrix Codes — MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS (4 07)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOC's 8260	SVOC's 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	T-11	SL	C	7/15	8:00	—	—		2	X									X	X		LAT17549 Cat B deliverables
2	T-12	SL	C	7/15	8:05	—	—		2	X									X	X		LAT17550
3	T-13	SL	C	7/15	8:10	—	—		2	X									X	X		LAT17551
4	DUP	SL	C	7/15	8:15	—	—		2	X									X	X		LAT17552
5	MS/MSD (T-11)	SL	C	7/15	8:20	—	—		2	X									X	X		LAT17553
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
CAT B deliverables		7/15/16	1145	A. Ramey Pace	7/15/16	1145	4.8@	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Noelle SHAFFER

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 7/15/16

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

<16070280P2>

Sample Condition Upon Receipt

CLIENT NAME: BARTON & LOGUIDICE

PROJECT :

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐

TRACKING # N/A

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☐ No ☐ N/A ☒

PACKING MATERIAL: Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other ☐ ICE USED: Wet ☒ Blue ☐ None ☐

THERMOMETER USED: #164 ☐ IR Gun 03 ☑ #160239773 ☐ #160239773-PRB ☐ COOLER TEMPERATURE (°C): 4.8

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒

COMMENTS: Temperature is Acceptable? ☒ Yes ☐ No

Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☒ Yes	☐ No		2.
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name / Signature on COC:	☒ Yes	☐ No		4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7. ASAP
Sufficient Volume:	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
- Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests:	☐ Yes	☐ No	☒ N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☒ Yes	☐ No		12. Received 5 containers for sample MS/MSD (T-11), but only two are listed on COC
All containers needing preservation have been checked:	☐ Yes	☐ No	☒ N/A	13.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐ Yes	☐ No	☒ N/A	Initial when completed: N/A Lot # of added preservative: N/A
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present:	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot #: N/A				

Sample Receipt form filled in:

Line-Out (Includes Copying Shipping Documents and verifying sample pH): AR 7/15/16

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): RMP 7/15/16

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): AR 7/15/16

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

New York State Department of Environmental Conservation
Division of Environmental Remediation

Petroleum Bulk Storage Application

Pursuant to the Environmental Conservation Law: Article 17, Title 10; and
Regulations 6 NYCRR Part 613 and 6 NYCRR Subpart 374-2
(Please Type or Print Clearly and Complete All Items for Sections A, B & C)

PBS Number: 4-601508

Return Completed Form & Fees To:

Expiration Date:

Section A - Facility/Property Owner/Contact Information

Transaction Type: 3

1) Initial/New Facility
2) Change of Ownership
3) Tank Installation, Closing, or Repair
4) Information Correction
5) Renewal

FACILITY

Facility Name: MAXON ALCO HOLDINGS LLC.
Tax Map Info: Borough/Section:
Facility Address (Physical Address, No P.O. Boxes): 301 NOTT STREET
Block:
Facility Address (cont.):
Lot:
City: SCHENECTADY | State: NY | ZIP Code: 12305
County: SCHENECTADY | Township/City: SCHENECTADY (C) | Facility Phone Number: (518) 465-1565
Name of Class B (Daily On-Site) Operator: STEPHEN LUCIANO | Operator Authorization No.
Name of Class A (Primary) Operator: STEPHEN LUCIANO | Operator Authorization No.

TYPE OF PETROLEUM FACILITY (Check only one)

- ☐ 01=Storage Terminal/Petrol. Distributor
- ☐ 02=Retail Gasoline Sales
- ☐ 03=Other Retail Sales
- ☐ 04=Manufacturing
- ☐ 05=Utility
- ☐ 06=Trucking/Transportation/Fleet
- ☐ 07=Apartment/Office Building
- ☐ 08=School
- ☐ 09=Farm
- ☐ 10=Private Residence
- ☐ 11=Airline/Air Taxi/Airport
- ☐ 12=Chemical Distributor
- ☐ 13=Municipality
- ☐ 15=Railroad
- ☐ 25=Auto Service/Repair (No Gasoline Sales)
- ☐ 16=Nuclear Power Plant
- ☐ 26=Religious (Church, Synagogue, Mosque, Temple, etc.)
- ☐ 27=Hospital/Nursing Home/Health Care
- ☐ 28=Cemetery / Memorial
- ☐ 52=Marina
- ☒ 99=Other (Specify): BROWNFIELD CLEANUP SITE

NOTE:

Fill in Property Owner information here.....>>>

Indicate Tank Owner in Section C.

OWNER

Facility (Property) Owner (from Deed): MAXON ALCO HOLDINGS LLC.
Facility Owner Address (Street and/or P.O. Box): 695 ROTTERDAM INDUSTRIAL PARK
City: SCHENECTADY | State: NY | ZIP Code: 12306
Federal Tax ID Number: 27-0407456 | Owner Telephone Number: (518) 465-1565

Type of Owner: (check only one)

1 ☐ Private Resident
2 ☐ State Government
3 ☐ Local Government
4 ☐ Federal Government
5 ☒ Corporate/Commercial/Other

Emergency Contact Name: STEPHEN LUCIANO
Emergency Telephone Number: (518) 465-1565

I hereby certify, under penalty of law, that all of the information provided on this form is true and correct. False statements made herein may be punishable as a criminal offense and/or a civil violation in accordance with applicable state and federal law.

Name of Property Owner or Authorized Representative: PAUL FALLATI
Amount Enclosed: $ 0.00
Title: AUTHORIZED REPRESENTATIVE
Signature: [signature]
Date: 10-10-16

Official Use Only
Date Received: ___/___/___
Date Processed: ___/___/___
Amount Received: $_____
Reviewed By: _____
Rev. 10/03/15

CORRESPONDENCE

(Please keep this information up to date) Facility Contact Person Name: STEPHEN LUCIANO
Contact Person Company Name: MAXON ALCO HOLDINGS LLC
Address: 695 ROTTERDAM INDUSTRIAL PARK
Address (cont.):
City/State/ZIP Code: SCHENECTADY, NY 12306
Tel. Number: (518) 465-1565 | eMail Address: SLUCIANO@GALESI.COM

For Overdue Registrations Only:

If you are submitting an application for an overdue registration, you may settle the violation by submitting the normal fee, any back fees due, and a penalty of $50 for every month the application is overdue. If you decline to settle, or make no choice, the case will be referred for enforcement which may result in higher penalties to resolve the violations. Please indicate your choice below:

- ☐ I agree to settle and have enclosed the proper fees and penalty amounts.
- ☐ I decline to settle and understand that higher penalties may result.

PBS Number:
4-601508

Section B - Tank Information

(Please use the key located on the last page to complete each item/column)

Registration Expiration Date:

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Action	Tank Number	Tank Location	Status	Installation, Out of service or Permanent Closure Date (MM/DD/YYYY) **Application will be returned if blank**	Capacity (Gallons)	Product Stored (If Gasoline w/ethanol or Biodiesel, list %additive) %	Tank Type	Tank Internal Protection	Tank External Protection	Tank Secondary Containment	Tank Leak Detection	Tank Overfill Prevention	Tank Spill Prevention	Pumping/Dispensing Method	Piping Location	Piping Type	Piping External Protection	Piping Secondary Containment	Piping Leak Detection	Under Dispenser Containment (UDC) (Check box if present)
1/3	011	5	3	~~5/1/1995~~	6,000	0001	01	00	00	00	00	00	00	00	00	00	00	00	00	☐
				07/13/2016																☐
1/3	012	5	3	~~5/1/1995~~	12,000	0001	01	00	00	00	00	00	00	00	00	00	00	00	00	☐
				07/14/2016																☐
1/3	013	5	3	~~5/1/1995~~	12,000	0001	01	00	00	00	00	00	00	00	00	00	00	00	00	☐
				07/15/2016																☐
1/3	014	5	3	~~5/1/1995~~	550	0001	01	00	00	00	00	00	00	00	00	00	00	00	00	☐
				07/13/2016																☐
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Note: If you need to add tanks to your registration, write them in using blank lines above. Attach additional sheets as needed.
Blank Section B is available at http://www.dec.ny.gov/docs/remediation_hudson_pdf/pbsrenewal.pdf

PBS Number:
4-601508

Petroleum Bulk Storage Application

Section C – Tank Ownership Information (for PBS tanks listed in Section B)

Tank Owner Information X☐ Check box if same as Facility (Property) Owner. If tank owner is different from property owner, fill out information below:			Tank Owner Information			Tank Owner Information		
Tank Owner Name (Company/Individual):			Tank Owner Name (Company/Individual):			Tank Owner Name (Company/Individual):		
Contact Person:			Contact Person:			Contact Person:		
Tank Owner Address:			Tank Owner Address:			Tank Owner Address:		
Tank Owner Address (cont.)			Tank Owner Address (cont.)			Tank Owner Address (cont.)		
City:	State:	ZIP:	City:	State:	ZIP:	City:	State:	ZIP:
Contact Person Telephone Number:			Contact Person Telephone Number:			Contact Person Telephone Number:		
Contact Person Email:			Contact Person Email:			Contact Person Email:		

Specific Tanks Owned ☐ Check box if this owner owns all tanks at this facility. If not, list tanks owned by this owner below:		Specific Tanks Owned		Specific Tanks Owned	
Tank Number	Tank Number (cont.)	Tank Number	Tank Number (cont.)	Tank Number	Tank Number (cont.)

Attach additional sheets as needed.

PETROLEUM BULK STORAGE APPLICATION – SECTION B – TANK INFORMATION – CODE KEYS

Action (1)
1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Repair/Reline Tank

Tank Location (3)
1. Aboveground-contact w/ soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack or cradle
4. Tank with 10% or more below ground
5. Underground including vaulted with no access for inspection
6. Aboveground in Subterranean Vault w/ access for inspections

Status (4)
1. In-service
2. Out-of-service
3. Closed-Removed
4. Closed-In Place
5. Tank converted to Non-Regulated use

D. Delivery Prohibited

Products Stored (7)

Heating Oils: On-Site Consumption
0001. #2 Fuel Oil
0002. #4 Fuel Oil
0259. #5 Fuel Oil
0003. #6 Fuel Oil
0012. Kerosene
0591. Clarified Oil
2711. Biodiesel (Heating)
2642. Used Oil (Heating)

Heating Oils: Resale/ Redistribution
2718. #2 Fuel Oil
2719. #4 Fuel Oil
2720. #5 Fuel Oil
2721. #6 Fuel Oil
2722. Kerosene
2723. Clarified Oil
2724. Biodiesel (Heating)

Motor Fuels
0009. Gasoline
2712. Gasoline/Ethanol
0008. Diesel
2710. Biodiesel
0011. Jet Fuel
1044. Jet Fuel (Biofuel)
2641. Aviation Gasoline

Lubricating/Cutting Oils
0013. Lube Oil
0015. Motor Oil
1045. Gear/Spindle Oil
0010. Hydraulic Oil
0007. Cutting Oil
0021. Transmission Fluid
1836. Turbine Oil
0308. Petroleum Grease

Oils Used as Building Materials
2626. Asphaltic Emulsions
0748. Form Oil

Petroleum Spirits
0014. White/Mineral Spirits
1731. Naphtha

Mineral/Insulating Oils
0020. Insulating Oil (e.g., Transformer, Cable Oil)
2630. Mineral Oil

Waste/Used/Other Oils
0022. Waste/Used Oil
9999. Other-Please list:*

Crude Oil
0006. Crude Oil
0701. Crude Oil Fractions

Tank Type (8)
01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-Please list:*

Internal Protection (9)
00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-Please list:*

External Protection (10/18)
00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-Please list:*

Tank Secondary Containment (11)
00. None
01. Diking (AST Only)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (UST Only)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation Liner
09. Modified Double-Walled (AST Only)
10. Impervious Underlayment (AST only)**
11. Double Bottom (AST Only)**
12. Double-Walled (AST Only)
99. Other-Please list*

Tank Leak Detection (12)
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
05. In-Tank System (Auto Tank Gauge)
06. Impervious Barrier/Concrete Pad (AST Only)
07. Statistical Inventory Reconciliation (SIR)
08. Weep holes in vaults with no access for inspection
99. Other-Please list:*

Overfill Protection (13)
00. None
01. Float Vent Valve
02. High Level Alarm
03. Automatic Shut-Off
04. Product Level Gauge (AST Only)
05. Vent Whistle
99. Other-Please list:*

Spill Prevention (14)
00. None
01. Catch Basin
99. Other-Please list:*

Pumping/Dispensing Method (15)
00. None
01. Pressurized Dispenser
02. Suction Dispenser
03. Gravity
04. On-Site Heating System (Suction)
05. On-Site Heating System (Supply/Return)
06. Tank-Mounted Dispenser
07. Loading Rack/Transfer Pump

Piping Location (16)
00. No Piping
01. Aboveground
02. Underground/On-ground
03. Aboveground/Underground Combination

Piping Type (17)
00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-Please list:*

Piping Secondary Containment (19)
00. None
01. Diking (Aboveground Only)
02. Vault (w/access)
04. Double-Walled (Underground Only)
06. Remote Impounding Area
07. Trench Liner
12. Double-Walled (Aboveground Only)
99. Other-Please list:*

Pipe Leak Detection (20)
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
09. Exempt Suction Piping
10. Statistical Inventory Reconciliation (SIR)
99. Other-Please list:*

Under Dispenser Containment (UDC) (21)
Check Box if Present

---

* If other, please list on a separate sheet including tank number.

** Each of these codes must be combined with code 01 or 06 to meet compliance requirements.

Nathan J. Shaffer

From: Andrew Barber
Sent: Wednesday, October 26, 2016 1:36 PM
To: Strang, John (DEC); Ostrov, Rich (DEC); Deming, Justin H (HEALTH); Mustico, Richard X (DEC)
Cc: Nathan J. Shaffer; Rosemary J. McCormick
Subject: ALCO Spill #1604483 Monthly Report

John – provided below is the first monthly report for Spill 1604483, as required by your approval letter – please let me know if this format works for you

Date	Activity Description
10/3	Inspection
10/4	Inspection
10/5	Inspection
10/6	Inspection
10/7	Inspection
10/11	Inspection
10/14	Inspection, collected samples from monitoring wells (MW-71, MW-72, and MW-73)
10/17	Inspection, boom replacement
10/18	Inspection, boom replacement
10/21	Inspection
10/25	Inspection, boom replacement

During the inspection visits, adjustments were made to the booms for optimal containment and absorption of the residual sheen. In general, the sheen persisted behind the booms, but did not appear to visibly increase during the month of October; sheens were not observed outside of the containment boom. The sheen was most prevalent in areas at the edge of the geosynthetic clay liner (which was installed during the injection work). New areas of riverbank seepage were not observed along the riverbank in the vicinity of the booms.

Site inspections for Spill 1604483 area will continue during the month of November, 2016; a minimum of two times a week or more frequently, as needed.

Andrew J. Barber
Sr. Environmental Consultant
Barton & Loguidice, D.P.C.
Engineers, Environmental Scientists, Planners, Landscape Architects
10 Airline Drive • Suite 200 • Albany, NY 12205 • Phone: (518) 218-1801
www.bartonandloguidice.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

December 15, 2016

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1505689 (08/27/2015)
ALCO-Maxon Site - Parcel A, BCP Site C447042
ALCO-Maxon Site – Parcel B, BCP Site C447043
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

The impacted material encountered during the excavation of soil for the Mohawk Harbor was reported as spill 1505689 on 8/27/2015. The spill was closed administratively on 10/15/2015 as the handling and disposal of the material will be completed under the requirements of the revised Excavation Work Plan, approved by the New York State Department of Environmental Conservation in October 2015.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

ec: D. Buicko, Maxon ALCO Holdings, LLC
T. Owens, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
R. Ostrov, NYSDEC
R. Mustico, NYSDEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

December 15, 2016

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1507232, ALCO-Maxon Site - Parcel A
BCP Site C447042
301 Nott Street, Schenectady, NY 12306
Schenectady County

Dear Mr. Barber:

With the 2/26/26 Spill Report, and the receipt of the disposal records (dated 3/25/16) for the material removed from underground storage tank 10 in the remediation of Spill 1507232, the New York State Department of Environmental Conservation Region 4 office has closed this spill (date of closure 3/25/16).

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

ec: D. Buicko, Maxon ALCO Holdings, LLC
T. Owens, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
R. Ostrov, NYSDEC
R. Mustico, NYSDEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Office of Environmental Quality, Region 4
1130 North Westcott Road, Schenectady, NY 12306-2014
P: (518) 357-2045 | F: (518) 357-2398
www.dec.ny.gov

October 27, 2016

Mr. Andrew Barber
Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany, NY 12205

Re: Spill #1602325, ALCO-Maxon Site- Parcel A
301 Nott Street, Schenectady, NY 12305
Schenectady County

Dear Mr. Barber:

With receipt of the Spill Closure Report (9/02/16) and the waste manifests for the material removed in the remediation of Spill 1602325 (6/07/2016), the New York State Department of Environmental Conservation (NYSDEC) Region 4 office has closed this spill. This closure letter and enclosure are to be included in the Final Engineering Report for ALCO-Maxon Site – Parcel A. A copy of the NYSDEC Spill Report is enclosed.

Please contact me at (518) 357-2390, if you have any questions.

Sincerely,

John R Strang

John R. Strang, P.E.
Environmental Engineer 2
Division of Environmental Remediation
Region 4

Enclosure

ec: D. Buicko, Maxon ALCO Holdings, LLC
T. Owens, Galesi
S. Luciano, Galesi
J. Deming, NYSDOH
R. Ostrov, NYSDEC
R. Mustico, NYSDEC
K. Goertz, NYSDEC

Letter.er.1602325.2016-11-27.ALCO-Maxon Site - Parcel A

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1602325

SPILL NAME: MAXON ALCO BROWNFIELD NOTT ST IND **DEC LEAD:** JRSTRANG

CALLER NAME: NATE **NOTIFIER'S NAME:** NATE

CLR'S AGENCY: B AND L **NOTIFIER'S AGENCY:** B AND L

CALLER'S PHONE: (518) 321-6142 **NOTIFIER'S PHONE:** (518) 321-6142

SPILL DATE: 06/07/2016 **SPILL TIME:** 8:45 am **DISPATCHER:**

CALL RECEIVED DATE: 06/07/2016 **RECEIVED TIME:** 8:54 am DABRUCE

SPILL LOCATION

PLACE: MAXON ALCO BROWNFIELD NOTT ST IND F **COUNTY:** Schenectady

STREET: 301 NOTT ST **TOWN/CITY:** Schenectady (c)

ALCO 301 NOTT ST **COMMUNITY:** SCHENECTADY

CONTACT: NATE **CONTACT PHONE:**

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

brown field site/found contamination during excavation

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
unknown petroleum	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
N/A MAXON ALCO BROWNFIELD NOTT ST IND PK	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Contractor excavating the site river bank adjacent to the Rivers Casino (within ALCO-Maxon Site - Parcel A) with the bank isolated from the Mohawk by steel sheeting. Soil had strong petroleum odor and measured 120 on photo-ionization detector (ppb RAE). Visual showed some diesel product present. All previous readings from soil were less than 26 with one high reading of 41. Environmental consultant (Barton & Loguidice) called in the spill and notified DER project manager.

DEC at spill location that morning (6/7/16). Petroleum smelly soil was excavated and stockpiled on plastic and bermed to prevent run-off. Pads were placed on surface water (within steel sheeting) to capture any diesel oil sheen. Plan is to over-excavate the location and take confirmatory soil samples. All excavated soil (on plastic) was covered and will have waste characterization sampling done. Confirmatory samples from the bottom and sides of the excavation were taken. Pictures in file. (Strang)

7/15 and 7/19/16 Excavated soil (approximately 300 tons) was transported from Parcel A and disposed of in Rapp Road Landfill. (Strang)

NYSDEC SPILL REPORT FORM

DEC REGION: 4 **SPILL NUMBER:** 1602325

SPILL NAME: MAXON ALCO BROWNFIELD NOTT ST IND **DEC LEAD:** JRSTRANG

10/26/16 DER PM received Closure Report (9/2/16) with results of confirmatory sampling and accepted. Region had received disposal receipts earlier. Spill closed. (Strang)

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 10/26/2016 **MEETS STANDARDS:** False