September 2, 2014

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: IRM –MW-45 Area
ALCO – BCP Sites C447042
Schenectady, NY

Dear Mr. Strang:

On behalf of Maxon ALCO Holdings, LLC, Barton & Loguidice, D.P.C. has prepared the following report for the results of the sampling for the Interim Remedial Measure (IRM) at the MW-45 Area for the subject site.

SUMMARY OF IRM ACTIVITIES

Excavation activities were undertaken at the MW-45 Area in accordance with the approved IRM Work Plan starting on August 11, 2014. Visibly clean overlying soils were removed and stockpiled; as impacted soils were encountered (evidenced by staining, odors and/or elevated PID readings), they were removed from the excavation and stockpiled on a separate soil storage area that was lined with plastic sheeting and bermed to prohibit run-off. Soil sampling of the excavation was conducted on August 18, with concurrence from NYSDEC in the field on the number and locations of the soil samples.

SUMMARY OF SAMPLE RESULTS

A total of eleven 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 and diesel range organics (DROs) at the request of NYSDEC. Detections for SVOCs and DROs are summarized on the attached table. SVOC were detected in each of the soil samples, but at concentrations below their respective Restricted Residential Soil Cleanup Objective (SCO). DROs were also detected in each of the soil samples, but there is no corresponding SCO. 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 were only two petroleum-related detections; the detections were reported as estimated concentrations below their respective quantification limit (and roughly three orders of magnitude below their respective SCOs). The laboratory results for the soil samples are also attached to this letter.

10 Airline Drive • Suite 200 • Albany, NY 12205
Telephone: 518-218-1801 • Facsimile: 518-218-1805 • www.BartonandLoguidice.com

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

Very truly yours,
BARTON & LOGUIDICE, D.P.C.

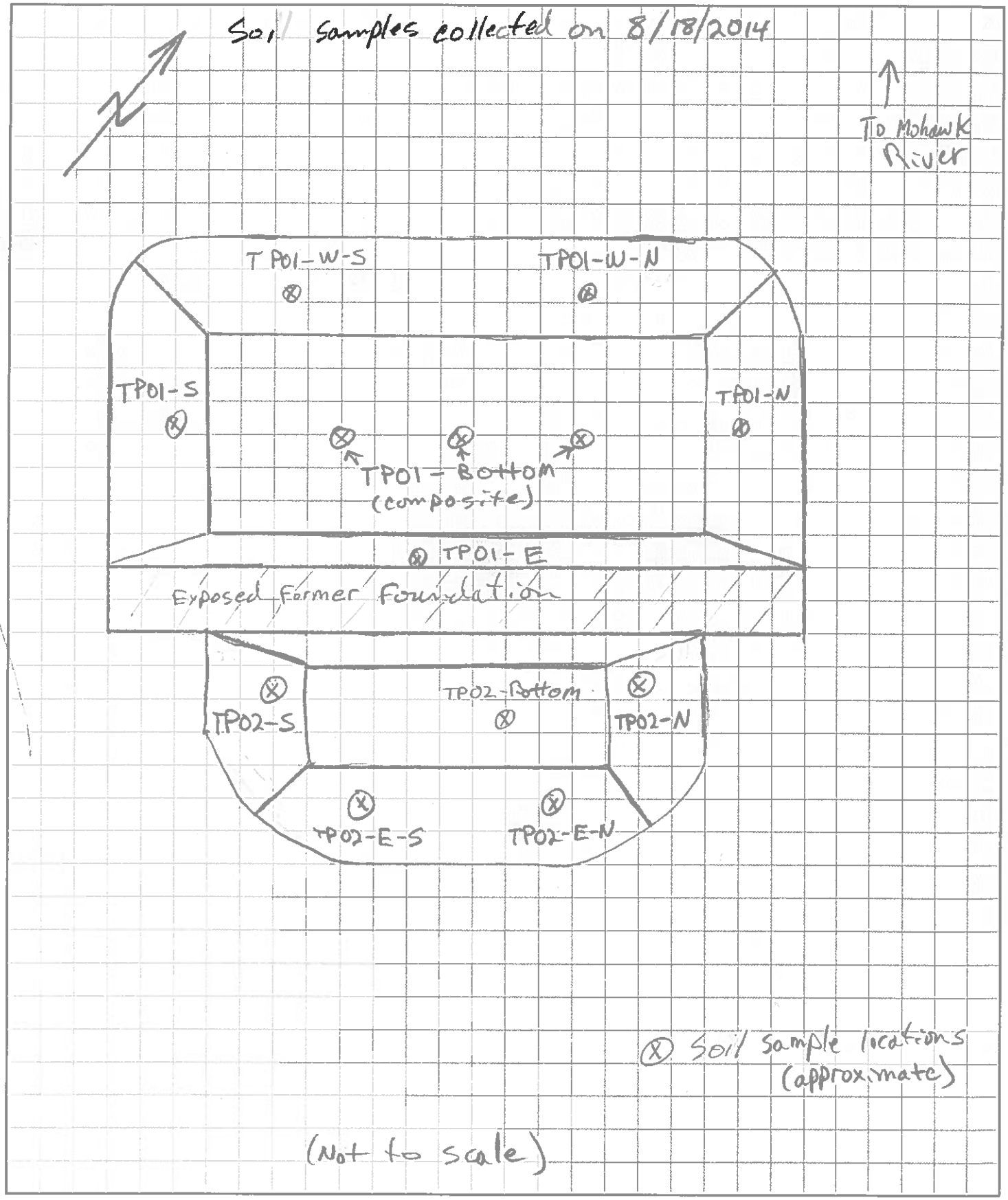
Andrew J. Barber
Sr. Environmental Consultant

AJB/ojf
Enc.

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

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 _____ DATE _____
CHECKED BY _____ DATE _____
DESCRIPTION MW-45 - Confirmatory Sample locations



Former ALCO Site Brownfield Cleanup Project
Interim Remedial Measures - MW-45 Contamintated Soil Removal
Table 1 - Confirmatory Soil Sample Summary of Detections

Parameter	UNIT	Part 375 Restricted Use SCO's - Restricted Residential[(1)]	TP01-BOTTOM 8/18/2014	TP01-N 8/18/2014	TP01-E 8/18/2014	TP01-S 8/18/2014	TP01-W-N 8/18/2014	TP01-W-S 8/18/2014	TP02-BOTTOM 8/18/2014	TP02-N 8/18/2014	TP02-E-N 8/18/2014	TP02-E-S 8/18/2014	TP02-S 8/18/2014	DUP 8/18/2014
SVOC's														
Acenaphthene	ug/kg	100,000	1,090	1,770	ND	1,860	ND	ND	6,570	6,740	ND	ND	5,380	ND
Anthracene	ug/kg	100,000	320	412	ND	455	4,610	ND	ND	ND	ND	ND	ND	ND
Carbazole	ug/kg	NA	ND	488	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ug/kg	100,000	2,480	3,160	393	2,730	5,980	ND	13,300	12,600	1,480	ND	11,200	ND
Pyrene	ug/kg	100,000	ND	ND	218	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ug/kg	100,000	4,710	12,000	794	8,670	10,700	7,230	21,900	24,700	2,460	6,020	20,600	6,360
2-Methylnaphthalene	ug/kg	NA	4,060	52,600	268	249	34,500	23,300	ND	ND	ND	ND	7,570	ND
% Total Solid	%	NA	79	77	79	83	79	76	82	85	86	86	85	86
Diesel Range Organics	ug/g	NA	952	4,630	346	5,620	ND	4,570	16,100	11,500	2,630	5,640	10,800	14,100

Notes:
ND - Analyte Not Detected
Blind duplicate Sample "Dup" collected at TP-02-E-S
1. NYSDEC Part 375 Table 375-6.8(b)Restricted Use Soil Cleanup Objectives (SCOs) for the Protection of Public Health.

Date Issued: August 29, 2014

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): August 18, 2014
Lab Report ID: 14081378
Client Service Contact: Kelly Miller (518) 346-4592 ext. 3844

Analysis Included:
8260- Sub Pace NY
SVOCs by GCMS (CLP 4.3 List)
Diesel Range Organics

Dan Pfalzer
Laboratory 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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QUALIFIERS

Qualifier Definitions

Organic Laboratory Qualifiers

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

D - Surrogate recovery not evaluated against control limits due to sample dilution.

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

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

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 %.

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

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

* - Value not within control limits.

Inorganic Laboratory Qualifiers

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

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

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

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

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

Pace Analytical®
www.pacelabs.com

<14081378P1>

140813781

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1791074

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Barton and Loguidice	Report To:	Nathan Shaffer	Attention:	Andy Barber
Address:	10 Airline Drive suite 200	Copy To:	Andy Barber	Company Name:	B+L
				Address:	Syracuse
Email To:	nshaffer@bartonandloguidice	Purchase Order No.:		Pace Quote Reference:	Bottle order 3794
Phone:	5182181801	Fax:		Pace Project Manager:	Kelly Miller
Requested Due Date/TAT:	standard TAT	Project Name:	ALCO	Pace Profile #:	
		Project Number:	1368.001.001		

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	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	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	VOC-624	VOC+TPH(DRO)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TP01-N	SL	G	8/18	2:40	→	→		2	X									1	1		AR27861 *Cat. B deliverable
2	TP01-E	SL	G	8/18	3:00	→	→		2	X									1	1		AR27862
3	TP01-S	SL	G	8/18	2:55	→	→		2	X									1	1		AR27863
4	TP01-W-S	SL	G	8/18	2:50	→	→		2	X									1	1		AR27864
5	TP01-W-N	SL	G	8/18	2:45	→	→		2	X									1	1		AR27865
6	TP01-Bottom	SL	C	8/18	3:10	8/18	3:15		2	X									1	1		AR27866
7	TP02-S	SL	G	8/18	3:30	→	→		2	X									1	1		AR27867
8	TP02-N	SL	G	8/18	3:35	→	→		2	X									1	1		AR27868
9	TP02-Bottom	SL	C	8/18	3:20	8/18	3:25		2	X									1	1		AR27869
10	TP02-E-S	SL	G	8/18	3:40	→	→		2	X									1	1		AR27870
11	TP02-E-N (MS/MSD)	SL	G	8/18	3:45	→	→		3	X*									1	1		AR27871 *MS/MSD - 1 8oz jar
12	DUP	SL	G	8/18	3:50	→	→		2	X									1	1		AR27872

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Cat. B.	[signature]	8/18	5:20	[signature]	8/18/14	17:20	18.9	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Nathan Shaffer

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 8/18/2014

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

<14081378P2>

Sample Condition Upon Receipt

Pace Anal 140313782

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 ☒ #122087967 ☐ COOLER TEMPERATURE (6°C): 18.9

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

COMMENTS:

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		10.
Containers Intact:	☒Yes	☐No		11.
Filtered volume received for Dissolved tests:	☐Yes	☐No	☒N/A	12.
Sample Labels match COC:	☒Yes	☐No		
- Includes date/time/ID/Analysis				
All containers needing preservation have been checked:	☐Yes	☐No	☒N/A	13.
All containers needing preservation are in compliance with EPA recommendation:	☐Yes	☐No	☒N/A	Initial when completed: NA / Lot # of added preservative: NA
- Exceptions that are not checked: VOA				
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				

Line-Out (Includes Copying Shipping Documents and verifying sample pH): KJP 8/18/14

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): PAW 8/18/14

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): KJP 8/18/14

LOGIN_SCUR_FORM_052914_Rev01_01

SAMPLE RECEIPT

SAMPLE RECEIPT REPORT
14081378

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: 14081378
REPORT: DATA PACKAGE
EDD: YES
LRF TAT: 7 DAYS

RECEIVED DATE: 08/18/2014 17:20
SHIPPED VIA: DROP OFF [1,2]
SHIPPING ID: N. SHAFFER-BAR-ROC
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): [5] 18.9 (IR) °C

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

COMMENTS:
SAMPLES NOT COLLECTED PER METHOD 5035 GUIDANCE.

3

CLIENT ID (LAB ID)	TAT-DUE Date [4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
TP01-N (AR27861)	7 DAYS 08-28-14	08/18/2014 14:40	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 14:40	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 14:40	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP01-E (AR27862)	7 DAYS 08-28-14	08/18/2014 15:00	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 15:00	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 15:00	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP01-S (AR27863)	7 DAYS 08-28-14	08/18/2014 14:55	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 14:55	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 14:55	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP01-W-S (AR27864)	7 DAYS 08-28-14	08/18/2014 14:50	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 14:50	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 14:50	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP01-W-N (AR27865)	7 DAYS 08-28-14	08/18/2014 14:45	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 14:45	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 14:45	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP01-BOTTOM (AR27866)	7 DAYS 08-28-14	08/18/2014 15:15	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 15:15	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 15:15	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP02-S (AR27867)	7 DAYS 08-28-14	08/18/2014 15:30	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 15:30	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 15:30	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP02-N (AR27868)	7 DAYS 08-28-14	08/18/2014 15:35	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 15:35	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 15:35	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP02-BOTTOM (AR27869)	7 DAYS 08-28-14	08/18/2014 15:25	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 15:25	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 15:25	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP02-E-S (AR27870)	7 DAYS 08-28-14	08/18/2014 15:40	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 15:40	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 15:40	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	
TP02-E-N (AR27871)	7 DAYS 08-28-14	08/18/2014 15:45	Soil	EPA 8015D	Diesel Range Organics	MS, MSD
	7 DAYS 08-28-14	08/18/2014 15:45	Soil	EPA 8260	8260- Sub Pace NY	MS, MSD
	7 DAYS 08-28-14	08/18/2014 15:45	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	MS, MSD

SAMPLE RECEIPT REPORT
14081378

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: 14081378
REPORT: DATA PACKAGE
EDD: YES
LRF TAT: 7 DAYS

RECEIVED DATE: 08/18/2014 17:20
SHIPPED VIA: DROP OFF [1,2]
SHIPPING ID: N. SHAFFER-BAR-ROC
NUMBER OF COOLERS: 1
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): [5] 18.9 (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 NOT COLLECTED PER METHOD 5035 GUIDANCE.

3

CLIENT ID (LAB ID)	TAT-DUE Date [4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
DUP (AR27872)	7 DAYS 08-28-14	08/18/2014 15:50	Soil	EPA 8015D	Diesel Range Organics	
	7 DAYS 08-28-14	08/18/2014 15:50	Soil	EPA 8260	8260- Sub Pace NY	
	7 DAYS 08-28-14	08/18/2014 15:50	Soil	EPA 8270D	SVOCs by GCMS (CLP 4.3 List)	

[1]The pH preservation check of Oil and Grease (Method 1664) is 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.

Reporting Parameters and Lists

EPA 8015D - Diesel Range Organics - (ug/g)
- Diesel Range Organics

EPA 8270D - SVOCs by GCMS (CLP 4.3 List) - (ug/kg)
- 1,1'-Biphenyl
- 2,4,5-Trichlorophenol
- 2,4,6-Trichlorophenol
- 2,4-Dichlorophenol
- 2,4-Dimethylphenol
- 2,4-Dinitrophenol
- 2,4-Dinitrotoluene
- 2,6-Dinitrotoluene
- 2-Chloronaphthalene
- 2-Chlorophenol
- 2-Methylnaphthalene
- 2-Methylphenol
- 2-Nitroaniline
- 2-Nitrophenol
- 3&4-Methylphenol
- 3,3'-Dichlorobenzidine
- 3-Nitroaniline
- 4,6-Dinitro-2-methylphenol
- 4-Bromophenyl-phenylether
- 4-Chloro-3-methylphenol
- 4-Chloroaniline
- 4-Chlorophenyl-phenylether
- 4-Nitroaniline
- 4-Nitrophenol
- Acenaphthene
- Acenaphthylene
- Acetophenone
- Anthracene
- Atrazine
- Benzaldehyde
- Benzo(a)anthracene

EPA 8270D - SVOCs by GCMS (CLP 4.3 List) - (ug/kg)
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)fluoranthene
- bis(2-chloroethoxy)methane
- Bis(2-chloroethyl)ether
- bis(2-Chloroisopropyl)ether
- bis(2-Ethylhexyl)phthalate
- Butylbenzylphthalate
- Caprolactam
- Carbazole
- Chrysene
- Dibenz(a,h)anthracene
- Dibenzofuran
- Diethylphthalate
- Dimethylphthalate
- Di-n-butylphthalate
- Di-n-octylphthalate
- Fluoranthene
- Fluorene
- Hexachlorobenzene
- Hexachlorobutadiene
- Hexachlorocyclopentadiene
- Hexachloroethane
- Indeno(1,2,3-cd)pyrene
- Isophorone
- Naphthalene
- Nitrobenzene
- N-Nitroso-di-n-propylamine
- N-Nitrosodiphenylamine
- Pentachlorophenol

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

Continued...

EPA 8270D - SVOCs by GCMS (CLP 4.3 List) - (ug/kg)

Phenanthrene
Phenol
Pyrene

GC/MS Semivolatiles

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

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-N
Lab Sample ID: 14081378-01 (AR27861)

Collection Date: 08/18/2014 14:40
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 76.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-14	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 12:22	RMS	NA	NA	N/A
Analysis 2:	MS09-372-34	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 19:05	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:11	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	432	1.00	U	MS09-372-14
2,4,5-Trichlorophenol	95-95-4	ND	432	1.00	U	MS09-372-14
2,4,6-Trichlorophenol	88-06-2	ND	432	1.00	U	MS09-372-14
2,4-Dichlorophenol	120-83-2	ND	432	1.00	U	MS09-372-14
2,4-Dimethylphenol	105-67-9	ND	432	1.00	U	MS09-372-14
2,4-Dinitrophenol	51-28-5	ND	432	1.00	U	MS09-372-14
2,4-Dinitrotoluene	121-14-2	ND	432	1.00	U	MS09-372-14
2,6-Dinitrotoluene	606-20-2	ND	432	1.00	U	MS09-372-14
2-Chloronaphthalene	91-58-7	ND	216	1.00	U	MS09-372-14
2-Chlorophenol	95-57-8	ND	432	1.00	U	MS09-372-14
2-Methylnaphthalene	91-57-6	**52600**	4320	20.0		MS09-372-34
2-Methylphenol	95-48-7	ND	432	1.00	U	MS09-372-14
2-Nitroaniline	88-74-4	ND	432	1.00	U	MS09-372-14
2-Nitrophenol	88-75-5	ND	432	1.00	U	MS09-372-14
3&4-Methylphenol*	108-39-4/106-44-5	ND	432	1.00	U	MS09-372-14
3,3'-Dichlorobenzidine	91-94-1	ND	432	1.00	U	MS09-372-14
3-Nitroaniline	99-09-2	ND	432	1.00	U	MS09-372-14
4,6-Dinitro-2-methylphenol	534-52-1	ND	432	1.00	U	MS09-372-14
4-Bromophenyl-phenylether	101-55-3	ND	432	1.00	U	MS09-372-14
4-Chloro-3-methylphenol	59-50-7	ND	432	1.00	U	MS09-372-14
4-Chloroaniline	106-47-8	ND	432	1.00	U	MS09-372-14
4-Chlorophenyl-phenylether	7005-72-3	ND	432	1.00	U	MS09-372-14
4-Nitroaniline	100-01-6	ND	432	1.00	U	MS09-372-14
4-Nitrophenol	100-02-7	ND	432	1.00	U	MS09-372-14
Acenaphthene	83-32-9	**1770**	216	1.00		MS09-372-14
Acenaphthylene	208-96-8	ND	216	1.00	U	MS09-372-14
Acetophenone	98-86-2	ND	432	1.00	U	MS09-372-14
Anthracene	120-12-7	**412**	216	1.00		MS09-372-14
Atrazine	1912-24-9	ND	432	1.00	U	MS09-372-14
Benzaldehyde	100-52-7	ND	432	1.00	U	MS09-372-14
Benzo(a)anthracene	56-55-3	ND	216	1.00	U	MS09-372-14
Benzo(a)pyrene	50-32-8	ND	216	1.00	U	MS09-372-14
Benzo(b)fluoranthene	205-99-2	ND	216	1.00	U	MS09-372-14
Benzo(g,h,i)perylene	191-24-2	ND	216	1.00	U	MS09-372-14
Benzo(k)fluoranthene	207-08-9	ND	216	1.00	U	MS09-372-14
bis(2-chloroethoxy)methane	111-91-1	ND	432	1.00	U	MS09-372-14
Bis(2-chloroethyl)ether	111-44-4	ND	432	1.00	U	MS09-372-14
bis(2-Chloroisopropyl)ether	108-60-1	ND	432	1.00	U	MS09-372-14
bis(2-Ethylhexyl)phthalate	117-81-7	ND	432	1.00	U	MS09-372-14
Butylbenzylphthalate	85-68-7	ND	432	1.00	U	MS09-372-14
Caprolactam	105-60-2	ND	432	1.00	U	MS09-372-14
Carbazole	86-74-8	**488**	216	1.00		MS09-372-14
Chrysene	218-01-9	ND	216	1.00	U	MS09-372-14

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-N
Lab Sample ID: 14081378-01 (AR27861)

Collection Date: 08/18/2014 14:40
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 76.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-14	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 12:22	RMS	NA	NA	N/A
Analysis 2:	MS09-372-34	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 19:05	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:11	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenz(a,h)anthracene	53-70-3	ND	216	1.00	U	MS09-372-14
Dibenzofuran	132-64-9	ND	216	1.00	U	MS09-372-14
Diethylphthalate	84-66-2	ND	432	1.00	U	MS09-372-14
Dimethylphthalate	131-11-3	ND	432	1.00	U	MS09-372-14
Di-n-butylphthalate	84-74-2	ND	432	1.00	U	MS09-372-14
Di-n-octylphthalate	117-84-0	ND	432	1.00	U	MS09-372-14
Fluoranthene	206-44-0	ND	216	1.00	U	MS09-372-14
Fluorene	86-73-7	**3160**	216	1.00		MS09-372-14
Hexachlorobenzene	118-74-1	ND	432	1.00	U	MS09-372-14
Hexachlorobutadiene	87-68-3	ND	432	1.00	U	MS09-372-14
Hexachlorocyclopentadiene	77-47-4	ND	432	1.00	U	MS09-372-14
Hexachloroethane	67-72-1	ND	432	1.00	U	MS09-372-14
Indeno(1,2,3-cd)pyrene	193-39-5	ND	216	1.00	U	MS09-372-14
Isophorone	78-59-1	ND	432	1.00	U	MS09-372-14
Naphthalene	91-20-3	ND	216	1.00	U	MS09-372-14
Nitrobenzene	98-95-3	ND	432	1.00	U	MS09-372-14
N-Nitroso-di-n-propylamine	621-64-7	ND	432	1.00	U	MS09-372-14
N-Nitrosodiphenylamine	86-30-6	ND	432	1.00	U	MS09-372-14
Pentachlorophenol	87-86-5	ND	432	1.00	U	MS09-372-14
Phenanthrene	85-01-8	**12000**	4320	20.0		MS09-372-34
Phenol	108-95-2	ND	432	1.00	U	MS09-372-14
Pyrene	129-00-0	ND	216	1.00	U	MS09-372-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	70.3	10.0-135		MS09-372-14
2-Fluorobiphenyl	321-60-8	81.6	10.5-116		MS09-372-14
2-Fluorophenol	367-12-4	65.4	10.0-132		MS09-372-14
Terphenyl-d14	1718-51-0	76.7	10.0-143		MS09-372-14
Nitrobenzene-d5	4165-60-0	74.2	10.0-118		MS09-372-14
Phenol-d6	13127-88-3	75.1	10.0-141		MS09-372-14

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-E
Lab Sample ID: 14081378-02 (AR27862)

Collection Date: 08/18/2014 15:00
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-15	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 12:41	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:12	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	416	1.00	U	MS09-372-15
2,4,5-Trichlorophenol	95-95-4	ND	416	1.00	U	MS09-372-15
2,4,6-Trichlorophenol	88-06-2	ND	416	1.00	U	MS09-372-15
2,4-Dichlorophenol	120-83-2	ND	416	1.00	U	MS09-372-15
2,4-Dimethylphenol	105-67-9	ND	416	1.00	U	MS09-372-15
2,4-Dinitrophenol	51-28-5	ND	416	1.00	U	MS09-372-15
2,4-Dinitrotoluene	121-14-2	ND	416	1.00	U	MS09-372-15
2,6-Dinitrotoluene	606-20-2	ND	416	1.00	U	MS09-372-15
2-Chloronaphthalene	91-58-7	ND	208	1.00	U	MS09-372-15
2-Chlorophenol	95-57-8	ND	416	1.00	U	MS09-372-15
2-Methylnaphthalene	91-57-6	**268**	208	1.00		MS09-372-15
2-Methylphenol	95-48-7	ND	416	1.00	U	MS09-372-15
2-Nitroaniline	88-74-4	ND	416	1.00	U	MS09-372-15
2-Nitrophenol	88-75-5	ND	416	1.00	U	MS09-372-15
3&4-Methylphenol*	108-39-4/106-44-5	ND	416	1.00	U	MS09-372-15
3,3'-Dichlorobenzidine	91-94-1	ND	416	1.00	U	MS09-372-15
3-Nitroaniline	99-09-2	ND	416	1.00	U	MS09-372-15
4,6-Dinitro-2-methylphenol	534-52-1	ND	416	1.00	U	MS09-372-15
4-Bromophenyl-phenylether	101-55-3	ND	416	1.00	U	MS09-372-15
4-Chloro-3-methylphenol	59-50-7	ND	416	1.00	U	MS09-372-15
4-Chloroaniline	106-47-8	ND	416	1.00	U	MS09-372-15
4-Chlorophenyl-phenylether	7005-72-3	ND	416	1.00	U	MS09-372-15
4-Nitroaniline	100-01-6	ND	416	1.00	U	MS09-372-15
4-Nitrophenol	100-02-7	ND	416	1.00	U	MS09-372-15
Acenaphthene	83-32-9	ND	208	1.00	U	MS09-372-15
Acenaphthylene	208-96-8	ND	208	1.00	U	MS09-372-15
Acetophenone	98-86-2	ND	416	1.00	U	MS09-372-15
Anthracene	120-12-7	ND	208	1.00	U	MS09-372-15
Atrazine	1912-24-9	ND	416	1.00	U	MS09-372-15
Benzaldehyde	100-52-7	ND	416	1.00	U	MS09-372-15
Benzo(a)anthracene	56-55-3	ND	208	1.00	U	MS09-372-15
Benzo(a)pyrene	50-32-8	ND	208	1.00	U	MS09-372-15
Benzo(b)fluoranthene	205-99-2	ND	208	1.00	U	MS09-372-15
Benzo(g,h,i)perylene	191-24-2	ND	208	1.00	U	MS09-372-15
Benzo(k)fluoranthene	207-08-9	ND	208	1.00	U	MS09-372-15
bis(2-chloroethoxy)methane	111-91-1	ND	416	1.00	U	MS09-372-15
Bis(2-chloroethyl)ether	111-44-4	ND	416	1.00	U	MS09-372-15
bis(2-Chloroisopropyl)ether	108-60-1	ND	416	1.00	U	MS09-372-15
bis(2-Ethylhexyl)phthalate	117-81-7	ND	416	1.00	U	MS09-372-15
Butylbenzylphthalate	85-68-7	ND	416	1.00	U	MS09-372-15
Caprolactam	105-60-2	ND	416	1.00	U	MS09-372-15
Carbazole	86-74-8	ND	208	1.00	U	MS09-372-15
Chrysene	218-01-9	ND	208	1.00	U	MS09-372-15
Dibenz(a,h)anthracene	53-70-3	ND	208	1.00	U	MS09-372-15

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-E
Lab Sample ID: 14081378-02 (AR27862)

Collection Date: 08/18/2014 15:00
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-15	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 12:41	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:12	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	208	1.00	U	MS09-372-15
Diethylphthalate	84-66-2	ND	416	1.00	U	MS09-372-15
Dimethylphthalate	131-11-3	ND	416	1.00	U	MS09-372-15
Di-n-butylphthalate	84-74-2	ND	416	1.00	U	MS09-372-15
Di-n-octylphthalate	117-84-0	ND	416	1.00	U	MS09-372-15
Fluoranthene	206-44-0	ND	208	1.00	U	MS09-372-15
Fluorene	86-73-7	**393**	208	1.00		MS09-372-15
Hexachlorobenzene	118-74-1	ND	416	1.00	U	MS09-372-15
Hexachlorobutadiene	87-68-3	ND	416	1.00	U	MS09-372-15
Hexachlorocyclopentadiene	77-47-4	ND	416	1.00	U	MS09-372-15
Hexachloroethane	67-72-1	ND	416	1.00	U	MS09-372-15
Indeno(1,2,3-cd)pyrene	193-39-5	ND	208	1.00	U	MS09-372-15
Isophorone	78-59-1	ND	416	1.00	U	MS09-372-15
Naphthalene	91-20-3	ND	208	1.00	U	MS09-372-15
Nitrobenzene	98-95-3	ND	416	1.00	U	MS09-372-15
N-Nitroso-di-n-propylamine	621-64-7	ND	416	1.00	U	MS09-372-15
N-Nitrosodiphenylamine	86-30-6	ND	416	1.00	U	MS09-372-15
Pentachlorophenol	87-86-5	ND	416	1.00	U	MS09-372-15
Phenanthrene	85-01-8	**794**	208	1.00		MS09-372-15
Phenol	108-95-2	ND	416	1.00	U	MS09-372-15
Pyrene	129-00-0	**218**	208	1.00		MS09-372-15

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	73.9	10.0-135		MS09-372-15
2-Fluorobiphenyl	321-60-8	66.6	10.5-116		MS09-372-15
2-Fluorophenol	367-12-4	65.0	10.0-132		MS09-372-15
Terphenyl-d14	1718-51-0	86.3	10.0-143		MS09-372-15
Nitrobenzene-d5	4165-60-0	58.4	10.0-118		MS09-372-15
Phenol-d6	13127-88-3	71.4	10.0-141		MS09-372-15

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-S
Lab Sample ID: 14081378-03 (AR27863)

Collection Date: 08/18/2014 14:55
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 82.7 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-16	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 13:01	RMS	NA	NA	N/A
Analysis 2:	MS09-372-35	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 19:24	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:13	KTC	30.0 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	403	1.00	U	MS09-372-16
2,4,5-Trichlorophenol	95-95-4	ND	403	1.00	U	MS09-372-16
2,4,6-Trichlorophenol	88-06-2	ND	403	1.00	U	MS09-372-16
2,4-Dichlorophenol	120-83-2	ND	403	1.00	U	MS09-372-16
2,4-Dimethylphenol	105-67-9	ND	403	1.00	U	MS09-372-16
2,4-Dinitrophenol	51-28-5	ND	403	1.00	U	MS09-372-16
2,4-Dinitrotoluene	121-14-2	ND	403	1.00	U	MS09-372-16
2,6-Dinitrotoluene	606-20-2	ND	403	1.00	U	MS09-372-16
2-Chloronaphthalene	91-58-7	ND	201	1.00	U	MS09-372-16
2-Chlorophenol	95-57-8	ND	403	1.00	U	MS09-372-16
2-Methylnaphthalene	91-57-6	**249**	201	1.00		MS09-372-16
2-Methylphenol	95-48-7	ND	403	1.00	U	MS09-372-16
2-Nitroaniline	88-74-4	ND	403	1.00	U	MS09-372-16
2-Nitrophenol	88-75-5	ND	403	1.00	U	MS09-372-16
3&4-Methylphenol*	108-39-4/106-44-5	ND	403	1.00	U	MS09-372-16
3,3'-Dichlorobenzidine	91-94-1	ND	403	1.00	U	MS09-372-16
3-Nitroaniline	99-09-2	ND	403	1.00	U	MS09-372-16
4,6-Dinitro-2-methylphenol	534-52-1	ND	403	1.00	U	MS09-372-16
4-Bromophenyl-phenylether	101-55-3	ND	403	1.00	U	MS09-372-16
4-Chloro-3-methylphenol	59-50-7	ND	403	1.00	U	MS09-372-16
4-Chloroaniline	106-47-8	ND	403	1.00	U	MS09-372-16
4-Chlorophenyl-phenylether	7005-72-3	ND	403	1.00	U	MS09-372-16
4-Nitroaniline	100-01-6	ND	403	1.00	U	MS09-372-16
4-Nitrophenol	100-02-7	ND	403	1.00	U	MS09-372-16
Acenaphthene	83-32-9	**1860**	201	1.00		MS09-372-16
Acenaphthylene	208-96-8	ND	201	1.00	U	MS09-372-16
Acetophenone	98-86-2	ND	403	1.00	U	MS09-372-16
Anthracene	120-12-7	**455**	201	1.00		MS09-372-16
Atrazine	1912-24-9	ND	403	1.00	U	MS09-372-16
Benzaldehyde	100-52-7	ND	403	1.00	U	MS09-372-16
Benzo(a)anthracene	56-55-3	ND	201	1.00	U	MS09-372-16
Benzo(a)pyrene	50-32-8	ND	201	1.00	U	MS09-372-16
Benzo(b)fluoranthene	205-99-2	ND	201	1.00	U	MS09-372-16
Benzo(g,h,i)perylene	191-24-2	ND	201	1.00	U	MS09-372-16
Benzo(k)fluoranthene	207-08-9	ND	201	1.00	U	MS09-372-16
bis(2-chloroethoxy)methane	111-91-1	ND	403	1.00	U	MS09-372-16
Bis(2-chloroethyl)ether	111-44-4	ND	403	1.00	U	MS09-372-16
bis(2-Chloroisopropyl)ether	108-60-1	ND	403	1.00	U	MS09-372-16
bis(2-Ethylhexyl)phthalate	117-81-7	ND	403	1.00	U	MS09-372-16
Butylbenzylphthalate	85-68-7	ND	403	1.00	U	MS09-372-16
Caprolactam	105-60-2	ND	403	1.00	U	MS09-372-16
Carbazole	86-74-8	ND	201	1.00	U	MS09-372-16
Chrysene	218-01-9	ND	201	1.00	U	MS09-372-16

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-S
Lab Sample ID: 14081378-03 (AR27863)

Collection Date: 08/18/2014 14:55
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 82.7 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-16	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 13:01	RMS	NA	NA	N/A
Analysis 2:	MS09-372-35	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 19:24	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:13	KTC	30.0 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenz(a,h)anthracene	53-70-3	ND	201	1.00	U	MS09-372-16
Dibenzofuran	132-64-9	ND	201	1.00	U	MS09-372-16
Diethylphthalate	84-66-2	ND	403	1.00	U	MS09-372-16
Dimethylphthalate	131-11-3	ND	403	1.00	U	MS09-372-16
Di-n-butylphthalate	84-74-2	ND	403	1.00	U	MS09-372-16
Di-n-octylphthalate	117-84-0	ND	403	1.00	U	MS09-372-16
Fluoranthene	206-44-0	ND	201	1.00	U	MS09-372-16
Fluorene	86-73-7	**2730**	201	1.00		MS09-372-16
Hexachlorobenzene	118-74-1	ND	403	1.00	U	MS09-372-16
Hexachlorobutadiene	87-68-3	ND	403	1.00	U	MS09-372-16
Hexachlorocyclopentadiene	77-47-4	ND	403	1.00	U	MS09-372-16
Hexachloroethane	67-72-1	ND	403	1.00	U	MS09-372-16
Indeno(1,2,3-cd)pyrene	193-39-5	ND	201	1.00	U	MS09-372-16
Isophorone	78-59-1	ND	403	1.00	U	MS09-372-16
Naphthalene	91-20-3	ND	201	1.00	U	MS09-372-16
Nitrobenzene	98-95-3	ND	403	1.00	U	MS09-372-16
N-Nitroso-di-n-propylamine	621-64-7	ND	403	1.00	U	MS09-372-16
N-Nitrosodiphenylamine	86-30-6	ND	403	1.00	U	MS09-372-16
Pentachlorophenol	87-86-5	ND	403	1.00	U	MS09-372-16
Phenanthrene	85-01-8	**8670**	1010	5.00		MS09-372-35
Phenol	108-95-2	ND	403	1.00	U	MS09-372-16
Pyrene	129-00-0	ND	201	1.00	U	MS09-372-16

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	57.0	10.0-135		MS09-372-16
2-Fluorobiphenyl	321-60-8	66.4	10.5-116		MS09-372-16
2-Fluorophenol	367-12-4	51.2	10.0-132		MS09-372-16
Terphenyl-d14	1718-51-0	60.0	10.0-143		MS09-372-16
Nitrobenzene-d5	4165-60-0	58.2	10.0-118		MS09-372-16
Phenol-d6	13127-88-3	58.0	10.0-141		MS09-372-16

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-W-S
Lab Sample ID: 14081378-04 (AR27864)

Collection Date: 08/18/2014 14:50
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 75.8 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-7	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 09:32	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:14	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	8660	20.0	U	MS09-374-7
2,4,5-Trichlorophenol	95-95-4	ND	8660	20.0	U	MS09-374-7
2,4,6-Trichlorophenol	88-06-2	ND	8660	20.0	U	MS09-374-7
2,4-Dichlorophenol	120-83-2	ND	8660	20.0	U	MS09-374-7
2,4-Dimethylphenol	105-67-9	ND	8660	20.0	U	MS09-374-7
2,4-Dinitrophenol	51-28-5	ND	8660	20.0	U	MS09-374-7
2,4-Dinitrotoluene	121-14-2	ND	8660	20.0	U	MS09-374-7
2,6-Dinitrotoluene	606-20-2	ND	8660	20.0	U	MS09-374-7
2-Chloronaphthalene	91-58-7	ND	4330	20.0	U	MS09-374-7
2-Chlorophenol	95-57-8	ND	8660	20.0	U	MS09-374-7
2-Methylnaphthalene	91-57-6	**23300**	4330	20.0		MS09-374-7
2-Methylphenol	95-48-7	ND	8660	20.0	U	MS09-374-7
2-Nitroaniline	88-74-4	ND	8660	20.0	U	MS09-374-7
2-Nitrophenol	88-75-5	ND	8660	20.0	U	MS09-374-7
3&4-Methylphenol*	108-39-4/106-44-5	ND	8660	20.0	U	MS09-374-7
3,3'-Dichlorobenzidine	91-94-1	ND	8660	20.0	U	MS09-374-7
3-Nitroaniline	99-09-2	ND	8660	20.0	U	MS09-374-7
4,6-Dinitro-2-methylphenol	534-52-1	ND	8660	20.0	U	MS09-374-7
4-Bromophenyl-phenylether	101-55-3	ND	8660	20.0	U	MS09-374-7
4-Chloro-3-methylphenol	59-50-7	ND	8660	20.0	U	MS09-374-7
4-Chloroaniline	106-47-8	ND	8660	20.0	U	MS09-374-7
4-Chlorophenyl-phenylether	7005-72-3	ND	8660	20.0	U	MS09-374-7
4-Nitroaniline	100-01-6	ND	8660	20.0	U	MS09-374-7
4-Nitrophenol	100-02-7	ND	8660	20.0	U	MS09-374-7
Acenaphthene	83-32-9	ND	4330	20.0	U	MS09-374-7
Acenaphthylene	208-96-8	ND	4330	20.0	U	MS09-374-7
Acetophenone	98-86-2	ND	8660	20.0	U	MS09-374-7
Anthracene	120-12-7	ND	4330	20.0	U	MS09-374-7
Atrazine	1912-24-9	ND	8660	20.0	U	MS09-374-7
Benzaldehyde	100-52-7	ND	8660	20.0	U	MS09-374-7
Benzo(a)anthracene	56-55-3	ND	4330	20.0	U	MS09-374-7
Benzo(a)pyrene	50-32-8	ND	4330	20.0	U	MS09-374-7
Benzo(b)fluoranthene	205-99-2	ND	4330	20.0	U	MS09-374-7
Benzo(g,h,i)perylene	191-24-2	ND	4330	20.0	U	MS09-374-7
Benzo(k)fluoranthene	207-08-9	ND	4330	20.0	U	MS09-374-7
bis(2-chloroethoxy)methane	111-91-1	ND	8660	20.0	U	MS09-374-7
Bis(2-chloroethyl)ether	111-44-4	ND	8660	20.0	U	MS09-374-7
bis(2-Chloroisopropyl)ether	108-60-1	ND	8660	20.0	U	MS09-374-7
bis(2-Ethylhexyl)phthalate	117-81-7	ND	8660	20.0	U	MS09-374-7
Butylbenzylphthalate	85-68-7	ND	8660	20.0	U	MS09-374-7
Caprolactam	105-60-2	ND	8660	20.0	U	MS09-374-7
Carbazole	86-74-8	ND	4330	20.0	U	MS09-374-7
Chrysene	218-01-9	ND	4330	20.0	U	MS09-374-7
Dibenz(a,h)anthracene	53-70-3	ND	4330	20.0	U	MS09-374-7

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-W-S
Lab Sample ID: 14081378-04 (AR27864)

Collection Date: 08/18/2014 14:50
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 75.8 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-7	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 09:32	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:14	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	4330	20.0	U	MS09-374-7
Diethylphthalate	84-66-2	ND	8660	20.0	U	MS09-374-7
Dimethylphthalate	131-11-3	ND	8660	20.0	U	MS09-374-7
Di-n-butylphthalate	84-74-2	ND	8660	20.0	U	MS09-374-7
Di-n-octylphthalate	117-84-0	ND	8660	20.0	U	MS09-374-7
Fluoranthene	206-44-0	ND	4330	20.0	U	MS09-374-7
Fluorene	86-73-7	ND	4330	20.0	U	MS09-374-7
Hexachlorobenzene	118-74-1	ND	8660	20.0	U	MS09-374-7
Hexachlorobutadiene	87-68-3	ND	8660	20.0	U	MS09-374-7
Hexachlorocyclopentadiene	77-47-4	ND	8660	20.0	U	MS09-374-7
Hexachloroethane	67-72-1	ND	8660	20.0	U	MS09-374-7
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4330	20.0	U	MS09-374-7
Isophorone	78-59-1	ND	8660	20.0	U	MS09-374-7
Naphthalene	91-20-3	ND	4330	20.0	U	MS09-374-7
Nitrobenzene	98-95-3	ND	8660	20.0	U	MS09-374-7
N-Nitroso-di-n-propylamine	621-64-7	ND	8660	20.0	U	MS09-374-7
N-Nitrosodiphenylamine	86-30-6	ND	8660	20.0	U	MS09-374-7
Pentachlorophenol	87-86-5	ND	8660	20.0	U	MS09-374-7
Phenanthrene	85-01-8	**7230**	4330	20.0		MS09-374-7
Phenol	108-95-2	ND	8660	20.0	U	MS09-374-7
Pyrene	129-00-0	ND	4330	20.0	U	MS09-374-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	93.0	10.0-135	D	MS09-374-7
2-Fluorobiphenyl	321-60-8	109	10.5-116	D	MS09-374-7
2-Fluorophenol	367-12-4	95.5	10.0-132	D	MS09-374-7
Terphenyl-d14	1718-51-0	140	10.0-143	D	MS09-374-7
Nitrobenzene-d5	4165-60-0	80.6	10.0-118	D	MS09-374-7
Phenol-d6	13127-88-3	117	10.0-141	D	MS09-374-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-W-N
Lab Sample ID: 14081378-05 (AR27865)

Collection Date: 08/18/2014 14:45
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-8	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 09:51	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:15	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	8360	20.0	U	MS09-374-8
2,4,5-Trichlorophenol	95-95-4	ND	8360	20.0	U	MS09-374-8
2,4,6-Trichlorophenol	88-06-2	ND	8360	20.0	U	MS09-374-8
2,4-Dichlorophenol	120-83-2	ND	8360	20.0	U	MS09-374-8
2,4-Dimethylphenol	105-67-9	ND	8360	20.0	U	MS09-374-8
2,4-Dinitrophenol	51-28-5	ND	8360	20.0	U	MS09-374-8
2,4-Dinitrotoluene	121-14-2	ND	8360	20.0	U	MS09-374-8
2,6-Dinitrotoluene	606-20-2	ND	8360	20.0	U	MS09-374-8
2-Chloronaphthalene	91-58-7	ND	4180	20.0	U	MS09-374-8
2-Chlorophenol	95-57-8	ND	8360	20.0	U	MS09-374-8
2-Methylnaphthalene	91-57-6	**34500**	4180	20.0		MS09-374-8
2-Methylphenol	95-48-7	ND	8360	20.0	U	MS09-374-8
2-Nitroaniline	88-74-4	ND	8360	20.0	U	MS09-374-8
2-Nitrophenol	88-75-5	ND	8360	20.0	U	MS09-374-8
3&4-Methylphenol*	108-39-4/106-44-5	ND	8360	20.0	U	MS09-374-8
3,3'-Dichlorobenzidine	91-94-1	ND	8360	20.0	U	MS09-374-8
3-Nitroaniline	99-09-2	ND	8360	20.0	U	MS09-374-8
4,6-Dinitro-2-methylphenol	534-52-1	ND	8360	20.0	U	MS09-374-8
4-Bromophenyl-phenylether	101-55-3	ND	8360	20.0	U	MS09-374-8
4-Chloro-3-methylphenol	59-50-7	ND	8360	20.0	U	MS09-374-8
4-Chloroaniline	106-47-8	ND	8360	20.0	U	MS09-374-8
4-Chlorophenyl-phenylether	7005-72-3	ND	8360	20.0	U	MS09-374-8
4-Nitroaniline	100-01-6	ND	8360	20.0	U	MS09-374-8
4-Nitrophenol	100-02-7	ND	8360	20.0	U	MS09-374-8
Acenaphthene	83-32-9	ND	4180	20.0	U	MS09-374-8
Acenaphthylene	208-96-8	ND	4180	20.0	U	MS09-374-8
Acetophenone	98-86-2	ND	8360	20.0	U	MS09-374-8
Anthracene	120-12-7	ND	4180	20.0	U	MS09-374-8
Atrazine	1912-24-9	ND	8360	20.0	U	MS09-374-8
Benzaldehyde	100-52-7	ND	8360	20.0	U	MS09-374-8
Benzo(a)anthracene	56-55-3	ND	4180	20.0	U	MS09-374-8
Benzo(a)pyrene	50-32-8	ND	4180	20.0	U	MS09-374-8
Benzo(b)fluoranthene	205-99-2	ND	4180	20.0	U	MS09-374-8
Benzo(g,h,i)perylene	191-24-2	ND	4180	20.0	U	MS09-374-8
Benzo(k)fluoranthene	207-08-9	ND	4180	20.0	U	MS09-374-8
bis(2-chloroethoxy)methane	111-91-1	ND	8360	20.0	U	MS09-374-8
Bis(2-chloroethyl)ether	111-44-4	ND	8360	20.0	U	MS09-374-8
bis(2-Chloroisopropyl)ether	108-60-1	ND	8360	20.0	U	MS09-374-8
bis(2-Ethylhexyl)phthalate	117-81-7	ND	8360	20.0	U	MS09-374-8
Butylbenzylphthalate	85-68-7	ND	8360	20.0	U	MS09-374-8
Caprolactam	105-60-2	ND	8360	20.0	U	MS09-374-8
Carbazole	86-74-8	ND	4180	20.0	U	MS09-374-8
Chrysene	218-01-9	ND	4180	20.0	U	MS09-374-8
Dibenz(a,h)anthracene	53-70-3	ND	4180	20.0	U	MS09-374-8

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-W-N
Lab Sample ID: 14081378-05 (AR27865)

Collection Date: 08/18/2014 14:45
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-8	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 09:51	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:15	KTC	30.3 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	4180	20.0	U	MS09-374-8
Diethylphthalate	84-66-2	ND	8360	20.0	U	MS09-374-8
Dimethylphthalate	131-11-3	ND	8360	20.0	U	MS09-374-8
Di-n-butylphthalate	84-74-2	ND	8360	20.0	U	MS09-374-8
Di-n-octylphthalate	117-84-0	ND	8360	20.0	U	MS09-374-8
Fluoranthene	206-44-0	ND	4180	20.0	U	MS09-374-8
Fluorene	86-73-7	**5980**	4180	20.0		MS09-374-8
Hexachlorobenzene	118-74-1	ND	8360	20.0	U	MS09-374-8
Hexachlorobutadiene	87-68-3	ND	8360	20.0	U	MS09-374-8
Hexachlorocyclopentadiene	77-47-4	ND	8360	20.0	U	MS09-374-8
Hexachloroethane	67-72-1	ND	8360	20.0	U	MS09-374-8
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4180	20.0	U	MS09-374-8
Isophorone	78-59-1	ND	8360	20.0	U	MS09-374-8
Naphthalene	91-20-3	ND	4180	20.0	U	MS09-374-8
Nitrobenzene	98-95-3	ND	8360	20.0	U	MS09-374-8
N-Nitroso-di-n-propylamine	621-64-7	ND	8360	20.0	U	MS09-374-8
N-Nitrosodiphenylamine	86-30-6	ND	8360	20.0	U	MS09-374-8
Pentachlorophenol	87-86-5	ND	8360	20.0	U	MS09-374-8
Phenanthrene	85-01-8	**10700**	4180	20.0		MS09-374-8
Phenol	108-95-2	ND	8360	20.0	U	MS09-374-8
Pyrene	129-00-0	ND	4180	20.0	U	MS09-374-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	61.4	10.0-135	D	MS09-374-8
2-Fluorobiphenyl	321-60-8	118	10.5-116	D	MS09-374-8
2-Fluorophenol	367-12-4	96.0	10.0-132	D	MS09-374-8
Terphenyl-d14	1718-51-0	134	10.0-143	D	MS09-374-8
Nitrobenzene-d5	4165-60-0	94.2	10.0-118	D	MS09-374-8
Phenol-d6	13127-88-3	120	10.0-141	D	MS09-374-8

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-BOTTOM
Lab Sample ID: 14081378-06 (AR27866)

Collection Date: 08/18/2014 15:15
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.1 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-25	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 16:11	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:16	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	420	1.00	U	MS09-372-25
2,4,5-Trichlorophenol	95-95-4	ND	420	1.00	U	MS09-372-25
2,4,6-Trichlorophenol	88-06-2	ND	420	1.00	U	MS09-372-25
2,4-Dichlorophenol	120-83-2	ND	420	1.00	U	MS09-372-25
2,4-Dimethylphenol	105-67-9	ND	420	1.00	U	MS09-372-25
2,4-Dinitrophenol	51-28-5	ND	420	1.00	U	MS09-372-25
2,4-Dinitrotoluene	121-14-2	ND	420	1.00	U	MS09-372-25
2,6-Dinitrotoluene	606-20-2	ND	420	1.00	U	MS09-372-25
2-Chloronaphthalene	91-58-7	ND	210	1.00	U	MS09-372-25
2-Chlorophenol	95-57-8	ND	420	1.00	U	MS09-372-25
2-Methylnaphthalene	91-57-6	**4060**	210	1.00		MS09-372-25
2-Methylphenol	95-48-7	ND	420	1.00	U	MS09-372-25
2-Nitroaniline	88-74-4	ND	420	1.00	U	MS09-372-25
2-Nitrophenol	88-75-5	ND	420	1.00	U	MS09-372-25
3&4-Methylphenol*	108-39-4/106-44-5	ND	420	1.00	U	MS09-372-25
3,3'-Dichlorobenzidine	91-94-1	ND	420	1.00	U	MS09-372-25
3-Nitroaniline	99-09-2	ND	420	1.00	U	MS09-372-25
4,6-Dinitro-2-methylphenol	534-52-1	ND	420	1.00	U	MS09-372-25
4-Bromophenyl-phenylether	101-55-3	ND	420	1.00	U	MS09-372-25
4-Chloro-3-methylphenol	59-50-7	ND	420	1.00	U	MS09-372-25
4-Chloroaniline	106-47-8	ND	420	1.00	U	MS09-372-25
4-Chlorophenyl-phenylether	7005-72-3	ND	420	1.00	U	MS09-372-25
4-Nitroaniline	100-01-6	ND	420	1.00	U	MS09-372-25
4-Nitrophenol	100-02-7	ND	420	1.00	U	MS09-372-25
Acenaphthene	83-32-9	**1090**	210	1.00		MS09-372-25
Acenaphthylene	208-96-8	ND	210	1.00	U	MS09-372-25
Acetophenone	98-86-2	ND	420	1.00	U	MS09-372-25
Anthracene	120-12-7	**320**	210	1.00		MS09-372-25
Atrazine	1912-24-9	ND	420	1.00	U	MS09-372-25
Benzaldehyde	100-52-7	ND	420	1.00	U	MS09-372-25
Benzo(a)anthracene	56-55-3	ND	210	1.00	U	MS09-372-25
Benzo(a)pyrene	50-32-8	ND	210	1.00	U	MS09-372-25
Benzo(b)fluoranthene	205-99-2	ND	210	1.00	U	MS09-372-25
Benzo(g,h,i)perylene	191-24-2	ND	210	1.00	U	MS09-372-25
Benzo(k)fluoranthene	207-08-9	ND	210	1.00	U	MS09-372-25
bis(2-chloroethoxy)methane	111-91-1	ND	420	1.00	U	MS09-372-25
Bis(2-chloroethyl)ether	111-44-4	ND	420	1.00	U	MS09-372-25
bis(2-Chloroisopropyl)ether	108-60-1	ND	420	1.00	U	MS09-372-25
bis(2-Ethylhexyl)phthalate	117-81-7	ND	420	1.00	U	MS09-372-25
Butylbenzylphthalate	85-68-7	ND	420	1.00	U	MS09-372-25
Caprolactam	105-60-2	ND	420	1.00	U	MS09-372-25
Carbazole	86-74-8	ND	210	1.00	U	MS09-372-25
Chrysene	218-01-9	ND	210	1.00	U	MS09-372-25
Dibenz(a,h)anthracene	53-70-3	ND	210	1.00	U	MS09-372-25

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-BOTTOM
Lab Sample ID: 14081378-06 (AR27866)

Collection Date: 08/18/2014 15:15
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.1 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-25	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 16:11	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:16	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	210	1.00	U	MS09-372-25
Diethylphthalate	84-66-2	ND	420	1.00	U	MS09-372-25
Dimethylphthalate	131-11-3	ND	420	1.00	U	MS09-372-25
Di-n-butylphthalate	84-74-2	ND	420	1.00	U	MS09-372-25
Di-n-octylphthalate	117-84-0	ND	420	1.00	U	MS09-372-25
Fluoranthene	206-44-0	ND	210	1.00	U	MS09-372-25
Fluorene	86-73-7	**2480**	210	1.00		MS09-372-25
Hexachlorobenzene	118-74-1	ND	420	1.00	U	MS09-372-25
Hexachlorobutadiene	87-68-3	ND	420	1.00	U	MS09-372-25
Hexachlorocyclopentadiene	77-47-4	ND	420	1.00	U	MS09-372-25
Hexachloroethane	67-72-1	ND	420	1.00	U	MS09-372-25
Indeno(1,2,3-cd)pyrene	193-39-5	ND	210	1.00	U	MS09-372-25
Isophorone	78-59-1	ND	420	1.00	U	MS09-372-25
Naphthalene	91-20-3	ND	210	1.00	U	MS09-372-25
Nitrobenzene	98-95-3	ND	420	1.00	U	MS09-372-25
N-Nitroso-di-n-propylamine	621-64-7	ND	420	1.00	U	MS09-372-25
N-Nitrosodiphenylamine	86-30-6	ND	420	1.00	U	MS09-372-25
Pentachlorophenol	87-86-5	ND	420	1.00	U	MS09-372-25
Phenanthrene	85-01-8	**4710**	210	1.00		MS09-372-25
Phenol	108-95-2	ND	420	1.00	U	MS09-372-25
Pyrene	129-00-0	ND	210	1.00	U	MS09-372-25

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	93.2	10.0-135		MS09-372-25
2-Fluorobiphenyl	321-60-8	94.5	10.5-116		MS09-372-25
2-Fluorophenol	367-12-4	80.2	10.0-132		MS09-372-25
Terphenyl-d14	1718-51-0	101	10.0-143		MS09-372-25
Nitrobenzene-d5	4165-60-0	52.6	10.0-118		MS09-372-25
Phenol-d6	13127-88-3	89.5	10.0-141		MS09-372-25

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-S
Lab Sample ID: 14081378-07 (AR27867)

Collection Date: 08/18/2014 15:30
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-13	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 11:28	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:17	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	7720	20.0	U	MS09-374-13
2,4,5-Trichlorophenol	95-95-4	ND	7720	20.0	U	MS09-374-13
2,4,6-Trichlorophenol	88-06-2	ND	7720	20.0	U	MS09-374-13
2,4-Dichlorophenol	120-83-2	ND	7720	20.0	U	MS09-374-13
2,4-Dimethylphenol	105-67-9	ND	7720	20.0	U	MS09-374-13
2,4-Dinitrophenol	51-28-5	ND	7720	20.0	U	MS09-374-13
2,4-Dinitrotoluene	121-14-2	ND	7720	20.0	U	MS09-374-13
2,6-Dinitrotoluene	606-20-2	ND	7720	20.0	U	MS09-374-13
2-Chloronaphthalene	91-58-7	ND	3860	20.0	U	MS09-374-13
2-Chlorophenol	95-57-8	ND	7720	20.0	U	MS09-374-13
2-Methylnaphthalene	91-57-6	**7570**	3860	20.0		MS09-374-13
2-Methylphenol	95-48-7	ND	7720	20.0	U	MS09-374-13
2-Nitroaniline	88-74-4	ND	7720	20.0	U	MS09-374-13
2-Nitrophenol	88-75-5	ND	7720	20.0	U	MS09-374-13
3&4-Methylphenol*	108-39-4/106-44-5	ND	7720	20.0	U	MS09-374-13
3,3'-Dichlorobenzidine	91-94-1	ND	7720	20.0	U	MS09-374-13
3-Nitroaniline	99-09-2	ND	7720	20.0	U	MS09-374-13
4,6-Dinitro-2-methylphenol	534-52-1	ND	7720	20.0	U	MS09-374-13
4-Bromophenyl-phenylether	101-55-3	ND	7720	20.0	U	MS09-374-13
4-Chloro-3-methylphenol	59-50-7	ND	7720	20.0	U	MS09-374-13
4-Chloroaniline	106-47-8	ND	7720	20.0	U	MS09-374-13
4-Chlorophenyl-phenylether	7005-72-3	ND	7720	20.0	U	MS09-374-13
4-Nitroaniline	100-01-6	ND	7720	20.0	U	MS09-374-13
4-Nitrophenol	100-02-7	ND	7720	20.0	U	MS09-374-13
Acenaphthene	83-32-9	**5380**	3860	20.0		MS09-374-13
Acenaphthylene	208-96-8	ND	3860	20.0	U	MS09-374-13
Acetophenone	98-86-2	ND	7720	20.0	U	MS09-374-13
Anthracene	120-12-7	ND	3860	20.0	U	MS09-374-13
Atrazine	1912-24-9	ND	7720	20.0	U	MS09-374-13
Benzaldehyde	100-52-7	ND	7720	20.0	U	MS09-374-13
Benzo(a)anthracene	56-55-3	ND	3860	20.0	U	MS09-374-13
Benzo(a)pyrene	50-32-8	ND	3860	20.0	U	MS09-374-13
Benzo(b)fluoranthene	205-99-2	ND	3860	20.0	U	MS09-374-13
Benzo(g,h,i)perylene	191-24-2	ND	3860	20.0	U	MS09-374-13
Benzo(k)fluoranthene	207-08-9	ND	3860	20.0	U	MS09-374-13
bis(2-chloroethoxy)methane	111-91-1	ND	7720	20.0	U	MS09-374-13
Bis(2-chloroethyl)ether	111-44-4	ND	7720	20.0	U	MS09-374-13
bis(2-Chloroisopropyl)ether	108-60-1	ND	7720	20.0	U	MS09-374-13
bis(2-Ethylhexyl)phthalate	117-81-7	ND	7720	20.0	U	MS09-374-13
Butylbenzylphthalate	85-68-7	ND	7720	20.0	U	MS09-374-13
Caprolactam	105-60-2	ND	7720	20.0	U	MS09-374-13
Carbazole	86-74-8	ND	3860	20.0	U	MS09-374-13
Chrysene	218-01-9	ND	3860	20.0	U	MS09-374-13
Dibenz(a,h)anthracene	53-70-3	ND	3860	20.0	U	MS09-374-13

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-S
Lab Sample ID: 14081378-07 (AR27867)

Collection Date: 08/18/2014 15:30
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-13	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 11:28	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:17	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	3860	20.0	U	MS09-374-13
Diethylphthalate	84-66-2	ND	7720	20.0	U	MS09-374-13
Dimethylphthalate	131-11-3	ND	7720	20.0	U	MS09-374-13
Di-n-butylphthalate	84-74-2	ND	7720	20.0	U	MS09-374-13
Di-n-octylphthalate	117-84-0	ND	7720	20.0	U	MS09-374-13
Fluoranthene	206-44-0	ND	3860	20.0	U	MS09-374-13
Fluorene	86-73-7	**11200**	3860	20.0		MS09-374-13
Hexachlorobenzene	118-74-1	ND	7720	20.0	U	MS09-374-13
Hexachlorobutadiene	87-68-3	ND	7720	20.0	U	MS09-374-13
Hexachlorocyclopentadiene	77-47-4	ND	7720	20.0	U	MS09-374-13
Hexachloroethane	67-72-1	ND	7720	20.0	U	MS09-374-13
Indeno(1,2,3-cd)pyrene	193-39-5	ND	3860	20.0	U	MS09-374-13
Isophorone	78-59-1	ND	7720	20.0	U	MS09-374-13
Naphthalene	91-20-3	ND	3860	20.0	U	MS09-374-13
Nitrobenzene	98-95-3	ND	7720	20.0	U	MS09-374-13
N-Nitroso-di-n-propylamine	621-64-7	ND	7720	20.0	U	MS09-374-13
N-Nitrosodiphenylamine	86-30-6	ND	7720	20.0	U	MS09-374-13
Pentachlorophenol	87-86-5	ND	7720	20.0	U	MS09-374-13
Phenanthrene	85-01-8	**20600**	3860	20.0		MS09-374-13
Phenol	108-95-2	ND	7720	20.0	U	MS09-374-13
Pyrene	129-00-0	ND	3860	20.0	U	MS09-374-13

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	84.9	10.0-135	D	MS09-374-13
2-Fluorobiphenyl	321-60-8	122	10.5-116	D	MS09-374-13
2-Fluorophenol	367-12-4	98.1	10.0-132	D	MS09-374-13
Terphenyl-d14	1718-51-0	136	10.0-143	D	MS09-374-13
Nitrobenzene-d5	4165-60-0	80.6	10.0-118	D	MS09-374-13
Phenol-d6	13127-88-3	119	10.0-141	D	MS09-374-13

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-N
Lab Sample ID: 14081378-08 (AR27868)

Collection Date: 08/18/2014 15:35
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 84.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-14	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 11:47	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:19	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	7810	20.0	U	MS09-374-14
2,4,5-Trichlorophenol	95-95-4	ND	7810	20.0	U	MS09-374-14
2,4,6-Trichlorophenol	88-06-2	ND	7810	20.0	U	MS09-374-14
2,4-Dichlorophenol	120-83-2	ND	7810	20.0	U	MS09-374-14
2,4-Dimethylphenol	105-67-9	ND	7810	20.0	U	MS09-374-14
2,4-Dinitrophenol	51-28-5	ND	7810	20.0	U	MS09-374-14
2,4-Dinitrotoluene	121-14-2	ND	7810	20.0	U	MS09-374-14
2,6-Dinitrotoluene	606-20-2	ND	7810	20.0	U	MS09-374-14
2-Chloronaphthalene	91-58-7	ND	3900	20.0	U	MS09-374-14
2-Chlorophenol	95-57-8	ND	7810	20.0	U	MS09-374-14
2-Methylnaphthalene	91-57-6	ND	3900	20.0	U	MS09-374-14
2-Methylphenol	95-48-7	ND	7810	20.0	U	MS09-374-14
2-Nitroaniline	88-74-4	ND	7810	20.0	U	MS09-374-14
2-Nitrophenol	88-75-5	ND	7810	20.0	U	MS09-374-14
3&4-Methylphenol*	108-39-4/106-44-5	ND	7810	20.0	U	MS09-374-14
3,3'-Dichlorobenzidine	91-94-1	ND	7810	20.0	U	MS09-374-14
3-Nitroaniline	99-09-2	ND	7810	20.0	U	MS09-374-14
4,6-Dinitro-2-methylphenol	534-52-1	ND	7810	20.0	U	MS09-374-14
4-Bromophenyl-phenylether	101-55-3	ND	7810	20.0	U	MS09-374-14
4-Chloro-3-methylphenol	59-50-7	ND	7810	20.0	U	MS09-374-14
4-Chloroaniline	106-47-8	ND	7810	20.0	U	MS09-374-14
4-Chlorophenyl-phenylether	7005-72-3	ND	7810	20.0	U	MS09-374-14
4-Nitroaniline	100-01-6	ND	7810	20.0	U	MS09-374-14
4-Nitrophenol	100-02-7	ND	7810	20.0	U	MS09-374-14
Acenaphthene	83-32-9	**6740**	3900	20.0		MS09-374-14
Acenaphthylene	208-96-8	ND	3900	20.0	U	MS09-374-14
Acetophenone	98-86-2	ND	7810	20.0	U	MS09-374-14
Anthracene	120-12-7	ND	3900	20.0	U	MS09-374-14
Atrazine	1912-24-9	ND	7810	20.0	U	MS09-374-14
Benzaldehyde	100-52-7	ND	7810	20.0	U	MS09-374-14
Benzo(a)anthracene	56-55-3	ND	3900	20.0	U	MS09-374-14
Benzo(a)pyrene	50-32-8	ND	3900	20.0	U	MS09-374-14
Benzo(b)fluoranthene	205-99-2	ND	3900	20.0	U	MS09-374-14
Benzo(g,h,i)perylene	191-24-2	ND	3900	20.0	U	MS09-374-14
Benzo(k)fluoranthene	207-08-9	ND	3900	20.0	U	MS09-374-14
bis(2-chloroethoxy)methane	111-91-1	ND	7810	20.0	U	MS09-374-14
Bis(2-chloroethyl)ether	111-44-4	ND	7810	20.0	U	MS09-374-14
bis(2-Chloroisopropyl)ether	108-60-1	ND	7810	20.0	U	MS09-374-14
bis(2-Ethylhexyl)phthalate	117-81-7	ND	7810	20.0	U	MS09-374-14
Butylbenzylphthalate	85-68-7	ND	7810	20.0	U	MS09-374-14
Caprolactam	105-60-2	ND	7810	20.0	U	MS09-374-14
Carbazole	86-74-8	ND	3900	20.0	U	MS09-374-14
Chrysene	218-01-9	ND	3900	20.0	U	MS09-374-14
Dibenz(a,h)anthracene	53-70-3	ND	3900	20.0	U	MS09-374-14

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-N
Lab Sample ID: 14081378-08 (AR27868)

Collection Date: 08/18/2014 15:35
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 84.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-14	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 11:47	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:19	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	3900	20.0	U	MS09-374-14
Diethylphthalate	84-66-2	ND	7810	20.0	U	MS09-374-14
Dimethylphthalate	131-11-3	ND	7810	20.0	U	MS09-374-14
Di-n-butylphthalate	84-74-2	ND	7810	20.0	U	MS09-374-14
Di-n-octylphthalate	117-84-0	ND	7810	20.0	U	MS09-374-14
Fluoranthene	206-44-0	ND	3900	20.0	U	MS09-374-14
Fluorene	86-73-7	**12600**	3900	20.0		MS09-374-14
Hexachlorobenzene	118-74-1	ND	7810	20.0	U	MS09-374-14
Hexachlorobutadiene	87-68-3	ND	7810	20.0	U	MS09-374-14
Hexachlorocyclopentadiene	77-47-4	ND	7810	20.0	U	MS09-374-14
Hexachloroethane	67-72-1	ND	7810	20.0	U	MS09-374-14
Indeno(1,2,3-cd)pyrene	193-39-5	ND	3900	20.0	U	MS09-374-14
Isophorone	78-59-1	ND	7810	20.0	U	MS09-374-14
Naphthalene	91-20-3	ND	3900	20.0	U	MS09-374-14
Nitrobenzene	98-95-3	ND	7810	20.0	U	MS09-374-14
N-Nitroso-di-n-propylamine	621-64-7	ND	7810	20.0	U	MS09-374-14
N-Nitrosodiphenylamine	86-30-6	ND	7810	20.0	U	MS09-374-14
Pentachlorophenol	87-86-5	ND	7810	20.0	U	MS09-374-14
Phenanthrene	85-01-8	**24700**	3900	20.0		MS09-374-14
Phenol	108-95-2	ND	7810	20.0	U	MS09-374-14
Pyrene	129-00-0	ND	3900	20.0	U	MS09-374-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	81.1	10.0-135	D	MS09-374-14
2-Fluorobiphenyl	321-60-8	118	10.5-116	D	MS09-374-14
2-Fluorophenol	367-12-4	97.5	10.0-132	D	MS09-374-14
Terphenyl-d14	1718-51-0	129	10.0-143	D	MS09-374-14
Nitrobenzene-d5	4165-60-0	80.1	10.0-118	D	MS09-374-14
Phenol-d6	13127-88-3	117	10.0-141	D	MS09-374-14

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

Pace Analytical Services, Inc.
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Schenectady, NY 12308
Phone: 518.346.4592
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-BOTTOM
Lab Sample ID: 14081378-09 (AR27869)

Collection Date: 08/18/2014 15:25
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 81.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-15	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 12:06	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:19	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	8120	20.0	U	MS09-374-15
2,4,5-Trichlorophenol	95-95-4	ND	8120	20.0	U	MS09-374-15
2,4,6-Trichlorophenol	88-06-2	ND	8120	20.0	U	MS09-374-15
2,4-Dichlorophenol	120-83-2	ND	8120	20.0	U	MS09-374-15
2,4-Dimethylphenol	105-67-9	ND	8120	20.0	U	MS09-374-15
2,4-Dinitrophenol	51-28-5	ND	8120	20.0	U	MS09-374-15
2,4-Dinitrotoluene	121-14-2	ND	8120	20.0	U	MS09-374-15
2,6-Dinitrotoluene	606-20-2	ND	8120	20.0	U	MS09-374-15
2-Chloronaphthalene	91-58-7	ND	4060	20.0	U	MS09-374-15
2-Chlorophenol	95-57-8	ND	8120	20.0	U	MS09-374-15
2-Methylnaphthalene	91-57-6	ND	4060	20.0	U	MS09-374-15
2-Methylphenol	95-48-7	ND	8120	20.0	U	MS09-374-15
2-Nitroaniline	88-74-4	ND	8120	20.0	U	MS09-374-15
2-Nitrophenol	88-75-5	ND	8120	20.0	U	MS09-374-15
3&4-Methylphenol*	108-39-4/106-44-5	ND	8120	20.0	U	MS09-374-15
3,3'-Dichlorobenzidine	91-94-1	ND	8120	20.0	U	MS09-374-15
3-Nitroaniline	99-09-2	ND	8120	20.0	U	MS09-374-15
4,6-Dinitro-2-methylphenol	534-52-1	ND	8120	20.0	U	MS09-374-15
4-Bromophenyl-phenylether	101-55-3	ND	8120	20.0	U	MS09-374-15
4-Chloro-3-methylphenol	59-50-7	ND	8120	20.0	U	MS09-374-15
4-Chloroaniline	106-47-8	ND	8120	20.0	U	MS09-374-15
4-Chlorophenyl-phenylether	7005-72-3	ND	8120	20.0	U	MS09-374-15
4-Nitroaniline	100-01-6	ND	8120	20.0	U	MS09-374-15
4-Nitrophenol	100-02-7	ND	8120	20.0	U	MS09-374-15
Acenaphthene	83-32-9	**6570**	4060	20.0		MS09-374-15
Acenaphthylene	208-96-8	ND	4060	20.0	U	MS09-374-15
Acetophenone	98-86-2	ND	8120	20.0	U	MS09-374-15
Anthracene	120-12-7	ND	4060	20.0	U	MS09-374-15
Atrazine	1912-24-9	ND	8120	20.0	U	MS09-374-15
Benzaldehyde	100-52-7	ND	8120	20.0	U	MS09-374-15
Benzo(a)anthracene	56-55-3	ND	4060	20.0	U	MS09-374-15
Benzo(a)pyrene	50-32-8	ND	4060	20.0	U	MS09-374-15
Benzo(b)fluoranthene	205-99-2	ND	4060	20.0	U	MS09-374-15
Benzo(g,h,i)perylene	191-24-2	ND	4060	20.0	U	MS09-374-15
Benzo(k)fluoranthene	207-08-9	ND	4060	20.0	U	MS09-374-15
bis(2-chloroethoxy)methane	111-91-1	ND	8120	20.0	U	MS09-374-15
Bis(2-chloroethyl)ether	111-44-4	ND	8120	20.0	U	MS09-374-15
bis(2-Chloroisopropyl)ether	108-60-1	ND	8120	20.0	U	MS09-374-15
bis(2-Ethylhexyl)phthalate	117-81-7	ND	8120	20.0	U	MS09-374-15
Butylbenzylphthalate	85-68-7	ND	8120	20.0	U	MS09-374-15
Caprolactam	105-60-2	ND	8120	20.0	U	MS09-374-15
Carbazole	86-74-8	ND	4060	20.0	U	MS09-374-15
Chrysene	218-01-9	ND	4060	20.0	U	MS09-374-15
Dibenz(a,h)anthracene	53-70-3	ND	4060	20.0	U	MS09-374-15

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Project: ALCO
Client Sample ID: TP02-BOTTOM
Lab Sample ID: 14081378-09 (AR27869)

Collection Date: 08/18/2014 15:25
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 81.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-15	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 12:06	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:19	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	4060	20.0	U	MS09-374-15
Diethylphthalate	84-66-2	ND	8120	20.0	U	MS09-374-15
Dimethylphthalate	131-11-3	ND	8120	20.0	U	MS09-374-15
Di-n-butylphthalate	84-74-2	ND	8120	20.0	U	MS09-374-15
Di-n-octylphthalate	117-84-0	ND	8120	20.0	U	MS09-374-15
Fluoranthene	206-44-0	ND	4060	20.0	U	MS09-374-15
Fluorene	86-73-7	**13300**	4060	20.0		MS09-374-15
Hexachlorobenzene	118-74-1	ND	8120	20.0	U	MS09-374-15
Hexachlorobutadiene	87-68-3	ND	8120	20.0	U	MS09-374-15
Hexachlorocyclopentadiene	77-47-4	ND	8120	20.0	U	MS09-374-15
Hexachloroethane	67-72-1	ND	8120	20.0	U	MS09-374-15
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4060	20.0	U	MS09-374-15
Isophorone	78-59-1	ND	8120	20.0	U	MS09-374-15
Naphthalene	91-20-3	ND	4060	20.0	U	MS09-374-15
Nitrobenzene	98-95-3	ND	8120	20.0	U	MS09-374-15
N-Nitroso-di-n-propylamine	621-64-7	ND	8120	20.0	U	MS09-374-15
N-Nitrosodiphenylamine	86-30-6	ND	8120	20.0	U	MS09-374-15
Pentachlorophenol	87-86-5	ND	8120	20.0	U	MS09-374-15
Phenanthrene	85-01-8	**21900**	4060	20.0		MS09-374-15
Phenol	108-95-2	ND	8120	20.0	U	MS09-374-15
Pyrene	129-00-0	ND	4060	20.0	U	MS09-374-15

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	96.3	10.0-135	D	MS09-374-15
2-Fluorobiphenyl	321-60-8	153	10.5-116	D	MS09-374-15
2-Fluorophenol	367-12-4	103	10.0-132	D	MS09-374-15
Terphenyl-d14	1718-51-0	154	10.0-143	D	MS09-374-15
Nitrobenzene-d5	4165-60-0	116	10.0-118	D	MS09-374-15
Phenol-d6	13127-88-3	126	10.0-141	D	MS09-374-15

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-S
Lab Sample ID: 14081378-10 (AR27870)

Collection Date: 08/18/2014 15:40
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-16	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 12:25	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:20	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	7660	20.0	U	MS09-374-16
2,4,5-Trichlorophenol	95-95-4	ND	7660	20.0	U	MS09-374-16
2,4,6-Trichlorophenol	88-06-2	ND	7660	20.0	U	MS09-374-16
2,4-Dichlorophenol	120-83-2	ND	7660	20.0	U	MS09-374-16
2,4-Dimethylphenol	105-67-9	ND	7660	20.0	U	MS09-374-16
2,4-Dinitrophenol	51-28-5	ND	7660	20.0	U	MS09-374-16
2,4-Dinitrotoluene	121-14-2	ND	7660	20.0	U	MS09-374-16
2,6-Dinitrotoluene	606-20-2	ND	7660	20.0	U	MS09-374-16
2-Chloronaphthalene	91-58-7	ND	3830	20.0	U	MS09-374-16
2-Chlorophenol	95-57-8	ND	7660	20.0	U	MS09-374-16
2-Methylnaphthalene	91-57-6	ND	3830	20.0	U	MS09-374-16
2-Methylphenol	95-48-7	ND	7660	20.0	U	MS09-374-16
2-Nitroaniline	88-74-4	ND	7660	20.0	U	MS09-374-16
2-Nitrophenol	88-75-5	ND	7660	20.0	U	MS09-374-16
3&4-Methylphenol*	108-39-4/106-44-5	ND	7660	20.0	U	MS09-374-16
3,3'-Dichlorobenzidine	91-94-1	ND	7660	20.0	U	MS09-374-16
3-Nitroaniline	99-09-2	ND	7660	20.0	U	MS09-374-16
4,6-Dinitro-2-methylphenol	534-52-1	ND	7660	20.0	U	MS09-374-16
4-Bromophenyl-phenylether	101-55-3	ND	7660	20.0	U	MS09-374-16
4-Chloro-3-methylphenol	59-50-7	ND	7660	20.0	U	MS09-374-16
4-Chloroaniline	106-47-8	ND	7660	20.0	U	MS09-374-16
4-Chlorophenyl-phenylether	7005-72-3	ND	7660	20.0	U	MS09-374-16
4-Nitroaniline	100-01-6	ND	7660	20.0	U	MS09-374-16
4-Nitrophenol	100-02-7	ND	7660	20.0	U	MS09-374-16
Acenaphthene	83-32-9	ND	3830	20.0	U	MS09-374-16
Acenaphthylene	208-96-8	ND	3830	20.0	U	MS09-374-16
Acetophenone	98-86-2	ND	7660	20.0	U	MS09-374-16
Anthracene	120-12-7	ND	3830	20.0	U	MS09-374-16
Atrazine	1912-24-9	ND	7660	20.0	U	MS09-374-16
Benzaldehyde	100-52-7	ND	7660	20.0	U	MS09-374-16
Benzo(a)anthracene	56-55-3	ND	3830	20.0	U	MS09-374-16
Benzo(a)pyrene	50-32-8	ND	3830	20.0	U	MS09-374-16
Benzo(b)fluoranthene	205-99-2	ND	3830	20.0	U	MS09-374-16
Benzo(g,h,i)perylene	191-24-2	ND	3830	20.0	U	MS09-374-16
Benzo(k)fluoranthene	207-08-9	ND	3830	20.0	U	MS09-374-16
bis(2-chloroethoxy)methane	111-91-1	ND	7660	20.0	U	MS09-374-16
Bis(2-chloroethyl)ether	111-44-4	ND	7660	20.0	U	MS09-374-16
bis(2-Chloroisopropyl)ether	108-60-1	ND	7660	20.0	U	MS09-374-16
bis(2-Ethylhexyl)phthalate	117-81-7	ND	7660	20.0	U	MS09-374-16
Butylbenzylphthalate	85-68-7	ND	7660	20.0	U	MS09-374-16
Caprolactam	105-60-2	ND	7660	20.0	U	MS09-374-16
Carbazole	86-74-8	ND	3830	20.0	U	MS09-374-16
Chrysene	218-01-9	ND	3830	20.0	U	MS09-374-16
Dibenz(a,h)anthracene	53-70-3	ND	3830	20.0	U	MS09-374-16

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Client: BARTON AND LOGUIDICE
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Client Sample ID: TP02-E-S
Lab Sample ID: 14081378-10 (AR27870)

Collection Date: 08/18/2014 15:40
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-16	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 12:25	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:20	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	3830	20.0	U	MS09-374-16
Diethylphthalate	84-66-2	ND	7660	20.0	U	MS09-374-16
Dimethylphthalate	131-11-3	ND	7660	20.0	U	MS09-374-16
Di-n-butylphthalate	84-74-2	ND	7660	20.0	U	MS09-374-16
Di-n-octylphthalate	117-84-0	ND	7660	20.0	U	MS09-374-16
Fluoranthene	206-44-0	ND	3830	20.0	U	MS09-374-16
Fluorene	86-73-7	ND	3830	20.0	U	MS09-374-16
Hexachlorobenzene	118-74-1	ND	7660	20.0	U	MS09-374-16
Hexachlorobutadiene	87-68-3	ND	7660	20.0	U	MS09-374-16
Hexachlorocyclopentadiene	77-47-4	ND	7660	20.0	U	MS09-374-16
Hexachloroethane	67-72-1	ND	7660	20.0	U	MS09-374-16
Indeno(1,2,3-cd)pyrene	193-39-5	ND	3830	20.0	U	MS09-374-16
Isophorone	78-59-1	ND	7660	20.0	U	MS09-374-16
Naphthalene	91-20-3	ND	3830	20.0	U	MS09-374-16
Nitrobenzene	98-95-3	ND	7660	20.0	U	MS09-374-16
N-Nitroso-di-n-propylamine	621-64-7	ND	7660	20.0	U	MS09-374-16
N-Nitrosodiphenylamine	86-30-6	ND	7660	20.0	U	MS09-374-16
Pentachlorophenol	87-86-5	ND	7660	20.0	U	MS09-374-16
Phenanthrene	85-01-8	**6020**	3830	20.0		MS09-374-16
Phenol	108-95-2	ND	7660	20.0	U	MS09-374-16
Pyrene	129-00-0	ND	3830	20.0	U	MS09-374-16

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	68.8	10.0-135	D	MS09-374-16
2-Fluorobiphenyl	321-60-8	111	10.5-116	D	MS09-374-16
2-Fluorophenol	367-12-4	85.5	10.0-132	D	MS09-374-16
Terphenyl-d14	1718-51-0	131	10.0-143	D	MS09-374-16
Nitrobenzene-d5	4165-60-0	0.00	10.0-118	D	MS09-374-16
Phenol-d6	13127-88-3	104	10.0-141	D	MS09-374-16

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N
Lab Sample ID: 14081378-11 (AR27871)

Collection Date: 08/18/2014 15:45
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-17	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 12:45	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:21	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	1930	5.00	U	MS09-374-17
2,4,5-Trichlorophenol	95-95-4	ND	1930	5.00	U	MS09-374-17
2,4,6-Trichlorophenol	88-06-2	ND	1930	5.00	U	MS09-374-17
2,4-Dichlorophenol	120-83-2	ND	1930	5.00	U	MS09-374-17
2,4-Dimethylphenol	105-67-9	ND	1930	5.00	U	MS09-374-17
2,4-Dinitrophenol	51-28-5	ND	1930	5.00	U	MS09-374-17
2,4-Dinitrotoluene	121-14-2	ND	1930	5.00	U	MS09-374-17
2,6-Dinitrotoluene	606-20-2	ND	1930	5.00	U	MS09-374-17
2-Chloronaphthalene	91-58-7	ND	966	5.00	U	MS09-374-17
2-Chlorophenol	95-57-8	ND	1930	5.00	U	MS09-374-17
2-Methylnaphthalene	91-57-6	ND	966	5.00	U	MS09-374-17
2-Methylphenol	95-48-7	ND	1930	5.00	U	MS09-374-17
2-Nitroaniline	88-74-4	ND	1930	5.00	U	MS09-374-17
2-Nitrophenol	88-75-5	ND	1930	5.00	U	MS09-374-17
3&4-Methylphenol*	108-39-4/106-44-5	ND	1930	5.00	U	MS09-374-17
3,3'-Dichlorobenzidine	91-94-1	ND	1930	5.00	U	MS09-374-17
3-Nitroaniline	99-09-2	ND	1930	5.00	U	MS09-374-17
4,6-Dinitro-2-methylphenol	534-52-1	ND	1930	5.00	U	MS09-374-17
4-Bromophenyl-phenylether	101-55-3	ND	1930	5.00	U	MS09-374-17
4-Chloro-3-methylphenol	59-50-7	ND	1930	5.00	U	MS09-374-17
4-Chloroaniline	106-47-8	ND	1930	5.00	U	MS09-374-17
4-Chlorophenyl-phenylether	7005-72-3	ND	1930	5.00	U	MS09-374-17
4-Nitroaniline	100-01-6	ND	1930	5.00	U	MS09-374-17
4-Nitrophenol	100-02-7	ND	1930	5.00	U	MS09-374-17
Acenaphthene	83-32-9	ND	966	5.00	U	MS09-374-17
Acenaphthylene	208-96-8	ND	966	5.00	U	MS09-374-17
Acetophenone	98-86-2	ND	1930	5.00	U	MS09-374-17
Anthracene	120-12-7	ND	966	5.00	U	MS09-374-17
Atrazine	1912-24-9	ND	1930	5.00	U	MS09-374-17
Benzaldehyde	100-52-7	ND	1930	5.00	U	MS09-374-17
Benzo(a)anthracene	56-55-3	ND	966	5.00	U	MS09-374-17
Benzo(a)pyrene	50-32-8	ND	966	5.00	U	MS09-374-17
Benzo(b)fluoranthene	205-99-2	ND	966	5.00	U	MS09-374-17
Benzo(g,h,i)perylene	191-24-2	ND	966	5.00	U	MS09-374-17
Benzo(k)fluoranthene	207-08-9	ND	966	5.00	U	MS09-374-17
bis(2-chloroethoxy)methane	111-91-1	ND	1930	5.00	U	MS09-374-17
Bis(2-chloroethyl)ether	111-44-4	ND	1930	5.00	U	MS09-374-17
bis(2-Chloroisopropyl)ether	108-60-1	ND	1930	5.00	U	MS09-374-17
bis(2-Ethylhexyl)phthalate	117-81-7	ND	1930	5.00	U	MS09-374-17
Butylbenzylphthalate	85-68-7	ND	1930	5.00	U	MS09-374-17
Caprolactam	105-60-2	ND	1930	5.00	U	MS09-374-17
Carbazole	86-74-8	ND	966	5.00	U	MS09-374-17
Chrysene	218-01-9	ND	966	5.00	U	MS09-374-17
Dibenz(a,h)anthracene	53-70-3	ND	966	5.00	U	MS09-374-17

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Lab Sample ID: 14081378-11 (AR27871)

Collection Date: 08/18/2014 15:45
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-17	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 12:45	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:21	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	966	5.00	U	MS09-374-17
Diethylphthalate	84-66-2	ND	1930	5.00	U	MS09-374-17
Dimethylphthalate	131-11-3	ND	1930	5.00	U	MS09-374-17
Di-n-butylphthalate	84-74-2	ND	1930	5.00	U	MS09-374-17
Di-n-octylphthalate	117-84-0	ND	1930	5.00	U	MS09-374-17
Fluoranthene	206-44-0	ND	966	5.00	U	MS09-374-17
Fluorene	86-73-7	**1480**	966	5.00		MS09-374-17
Hexachlorobenzene	118-74-1	ND	1930	5.00	U	MS09-374-17
Hexachlorobutadiene	87-68-3	ND	1930	5.00	U	MS09-374-17
Hexachlorocyclopentadiene	77-47-4	ND	1930	5.00	U	MS09-374-17
Hexachloroethane	67-72-1	ND	1930	5.00	U	MS09-374-17
Indeno(1,2,3-cd)pyrene	193-39-5	ND	966	5.00	U	MS09-374-17
Isophorone	78-59-1	ND	1930	5.00	U	MS09-374-17
Naphthalene	91-20-3	ND	966	5.00	U	MS09-374-17
Nitrobenzene	98-95-3	ND	1930	5.00	U	MS09-374-17
N-Nitroso-di-n-propylamine	621-64-7	ND	1930	5.00	U	MS09-374-17
N-Nitrosodiphenylamine	86-30-6	ND	1930	5.00	U	MS09-374-17
Pentachlorophenol	87-86-5	ND	1930	5.00	U	MS09-374-17
Phenanthrene	85-01-8	**2460**	966	5.00		MS09-374-17
Phenol	108-95-2	ND	1930	5.00	U	MS09-374-17
Pyrene	129-00-0	ND	966	5.00	U	MS09-374-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	67.8	10.0-135		MS09-374-17
2-Fluorobiphenyl	321-60-8	96.9	10.5-116		MS09-374-17
2-Fluorophenol	367-12-4	85.9	10.0-132		MS09-374-17
Terphenyl-d14	1718-51-0	106	10.0-143		MS09-374-17
Nitrobenzene-d5	4165-60-0	70.1	10.0-118		MS09-374-17
Phenol-d6	13127-88-3	95.9	10.0-141		MS09-374-17

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: DUP
Lab Sample ID: 14081378-12 (AR27872)

Collection Date: 08/18/2014 15:50
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 86.1 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-20	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:43	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:24	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	7720	20.0	U	MS09-374-20
2,4,5-Trichlorophenol	95-95-4	ND	7720	20.0	U	MS09-374-20
2,4,6-Trichlorophenol	88-06-2	ND	7720	20.0	U	MS09-374-20
2,4-Dichlorophenol	120-83-2	ND	7720	20.0	U	MS09-374-20
2,4-Dimethylphenol	105-67-9	ND	7720	20.0	U	MS09-374-20
2,4-Dinitrophenol	51-28-5	ND	7720	20.0	U	MS09-374-20
2,4-Dinitrotoluene	121-14-2	ND	7720	20.0	U	MS09-374-20
2,6-Dinitrotoluene	606-20-2	ND	7720	20.0	U	MS09-374-20
2-Chloronaphthalene	91-58-7	ND	3860	20.0	U	MS09-374-20
2-Chlorophenol	95-57-8	ND	7720	20.0	U	MS09-374-20
2-Methylnaphthalene	91-57-6	ND	3860	20.0	U	MS09-374-20
2-Methylphenol	95-48-7	ND	7720	20.0	U	MS09-374-20
2-Nitroaniline	88-74-4	ND	7720	20.0	U	MS09-374-20
2-Nitrophenol	88-75-5	ND	7720	20.0	U	MS09-374-20
3&4-Methylphenol*	108-39-4/106-44-5	ND	7720	20.0	U	MS09-374-20
3,3'-Dichlorobenzidine	91-94-1	ND	7720	20.0	U	MS09-374-20
3-Nitroaniline	99-09-2	ND	7720	20.0	U	MS09-374-20
4,6-Dinitro-2-methylphenol	534-52-1	ND	7720	20.0	U	MS09-374-20
4-Bromophenyl-phenylether	101-55-3	ND	7720	20.0	U	MS09-374-20
4-Chloro-3-methylphenol	59-50-7	ND	7720	20.0	U	MS09-374-20
4-Chloroaniline	106-47-8	ND	7720	20.0	U	MS09-374-20
4-Chlorophenyl-phenylether	7005-72-3	ND	7720	20.0	U	MS09-374-20
4-Nitroaniline	100-01-6	ND	7720	20.0	U	MS09-374-20
4-Nitrophenol	100-02-7	ND	7720	20.0	U	MS09-374-20
Acenaphthene	83-32-9	ND	3860	20.0	U	MS09-374-20
Acenaphthylene	208-96-8	ND	3860	20.0	U	MS09-374-20
Acetophenone	98-86-2	ND	7720	20.0	U	MS09-374-20
Anthracene	120-12-7	ND	3860	20.0	U	MS09-374-20
Atrazine	1912-24-9	ND	7720	20.0	U	MS09-374-20
Benzaldehyde	100-52-7	ND	7720	20.0	U	MS09-374-20
Benzo(a)anthracene	56-55-3	ND	3860	20.0	U	MS09-374-20
Benzo(a)pyrene	50-32-8	ND	3860	20.0	U	MS09-374-20
Benzo(b)fluoranthene	205-99-2	ND	3860	20.0	U	MS09-374-20
Benzo(g,h,i)perylene	191-24-2	ND	3860	20.0	U	MS09-374-20
Benzo(k)fluoranthene	207-08-9	ND	3860	20.0	U	MS09-374-20
bis(2-chloroethoxy)methane	111-91-1	ND	7720	20.0	U	MS09-374-20
Bis(2-chloroethyl)ether	111-44-4	ND	7720	20.0	U	MS09-374-20
bis(2-Chloroisopropyl)ether	108-60-1	ND	7720	20.0	U	MS09-374-20
bis(2-Ethylhexyl)phthalate	117-81-7	ND	7720	20.0	U	MS09-374-20
Butylbenzylphthalate	85-68-7	ND	7720	20.0	U	MS09-374-20
Caprolactam	105-60-2	ND	7720	20.0	U	MS09-374-20
Carbazole	86-74-8	ND	3860	20.0	U	MS09-374-20
Chrysene	218-01-9	ND	3860	20.0	U	MS09-374-20
Dibenz(a,h)anthracene	53-70-3	ND	3860	20.0	U	MS09-374-20

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: DUP
Lab Sample ID: 14081378-12 (AR27872)

Collection Date: 08/18/2014 15:50
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 86.1 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-20	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:43	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:24	KTC	30.1 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	3860	20.0	U	MS09-374-20
Diethylphthalate	84-66-2	ND	7720	20.0	U	MS09-374-20
Dimethylphthalate	131-11-3	ND	7720	20.0	U	MS09-374-20
Di-n-butylphthalate	84-74-2	ND	7720	20.0	U	MS09-374-20
Di-n-octylphthalate	117-84-0	ND	7720	20.0	U	MS09-374-20
Fluoranthene	206-44-0	ND	3860	20.0	U	MS09-374-20
Fluorene	86-73-7	ND	3860	20.0	U	MS09-374-20
Hexachlorobenzene	118-74-1	ND	7720	20.0	U	MS09-374-20
Hexachlorobutadiene	87-68-3	ND	7720	20.0	U	MS09-374-20
Hexachlorocyclopentadiene	77-47-4	ND	7720	20.0	U	MS09-374-20
Hexachloroethane	67-72-1	ND	7720	20.0	U	MS09-374-20
Indeno(1,2,3-cd)pyrene	193-39-5	ND	3860	20.0	U	MS09-374-20
Isophorone	78-59-1	ND	7720	20.0	U	MS09-374-20
Naphthalene	91-20-3	ND	3860	20.0	U	MS09-374-20
Nitrobenzene	98-95-3	ND	7720	20.0	U	MS09-374-20
N-Nitroso-di-n-propylamine	621-64-7	ND	7720	20.0	U	MS09-374-20
N-Nitrosodiphenylamine	86-30-6	ND	7720	20.0	U	MS09-374-20
Pentachlorophenol	87-86-5	ND	7720	20.0	U	MS09-374-20
Phenanthrene	85-01-8	**6360**	3860	20.0		MS09-374-20
Phenol	108-95-2	ND	7720	20.0	U	MS09-374-20
Pyrene	129-00-0	ND	3860	20.0	U	MS09-374-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	24.8	10.0-135	D	MS09-374-20
2-Fluorobiphenyl	321-60-8	47.2	10.5-116	D	MS09-374-20
2-Fluorophenol	367-12-4	20.8	10.0-132	D	MS09-374-20
Terphenyl-d14	1718-51-0	58.2	10.0-143	D	MS09-374-20
Nitrobenzene-d5	4165-60-0	70.5	10.0-118	D	MS09-374-20
Phenol-d6	13127-88-3	32.5	10.0-141	D	MS09-374-20

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

GC - DRO

Pace Analytical®

Analytical Sample Results

Job Number: 14081378

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

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-N
Lab Sample ID: 14081378-01 (AR27861)

Collection Date: 08/18/2014 14:40
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 76.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-5	EPA Method 8015D DRO C10-C28	08/22/2014 13:12	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:04	KTC	10.2 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**4630**	1280	100		GC32B-149-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	92.2	60.0-140	D	GC32B-149-5
1-COD (S)	3386-33-2	87.7	60.0-140	D	GC32B-149-5

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Analytical Sample Results

Job Number: 14081378

Pace Analytical Services, Inc.
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Schenectady, NY 12308
Phone: 518.346.4592
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-E
Lab Sample ID: 14081378-02 (AR27862)

Collection Date: 08/18/2014 15:00
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.3 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-151-12	EPA Method 8015D DRO C10-C28	08/25/2014 13:28	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28061	EPA 3545A	08/22/2014 07:57	DNM	10.4 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**346**	242	20.0		GC32F-151-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	61.4	60.0-140	D	GC32F-151-12
1-COD (S)	3386-33-2	76.3	60.0-140	D	GC32F-151-12

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-S
Lab Sample ID: 14081378-03 (AR27863)

Collection Date: 08/18/2014 14:55
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 82.7 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-6	EPA Method 8015D DRO C10-C28	08/22/2014 13:48	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:06	KTC	10.4 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**5620**	1160	100		GC32B-149-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	65.0	60.0-140	D	GC32B-149-6
1-COD (S)	3386-33-2	90.6	60.0-140	D	GC32B-149-6

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-W-S
Lab Sample ID: 14081378-04 (AR27864)

Collection Date: 08/18/2014 14:50
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 75.8 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-7	EPA Method 8015D DRO C10-C28	08/22/2014 14:23	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:06	KTC	10.2 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**4570**	1300	100		GC32B-149-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	78.7	60.0-140	D	GC32B-149-7
1-COD (S)	3386-33-2	101	60.0-140	D	GC32B-149-7

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-W-N
Lab Sample ID: 14081378-05 (AR27865)

Collection Date: 08/18/2014 14:45
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-8	EPA Method 8015D DRO C10-C28	08/22/2014 14:59	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:07	KTC	10.3 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**4610**	1230	100		GC32B-149-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	76.9	60.0-140	D	GC32B-149-8
1-COD (S)	3386-33-2	100	60.0-140	D	GC32B-149-8

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP01-BOTTOM
Lab Sample ID: 14081378-06 (AR27866)

Collection Date: 08/18/2014 15:15
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 79.1 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-9	EPA Method 8015D DRO C10-C28	08/22/2014 15:35	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:08	KTC	10.1 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**952**	250	20.0		GC32B-149-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	90.2	60.0-140	D	GC32B-149-9
1-COD (S)	3386-33-2	98.9	60.0-140	D	GC32B-149-9

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

Pace Analytical®

Analytical Sample Results

Job Number: 14081378

Pace Analytical Services, Inc.
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Schenectady, NY 12308
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-S
Lab Sample ID: 14081378-07 (AR27867)

Collection Date: 08/18/2014 15:30
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.0 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-10	EPA Method 8015D DRO C10-C28	08/22/2014 16:10	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:08	KTC	10.4 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**10800**	2260	200		GC32B-149-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	69.4	60.0-140	D	GC32B-149-10
1-COD (S)	3386-33-2	187	60.0-140	D	GC32B-149-10

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-N
Lab Sample ID: 14081378-08 (AR27868)

Collection Date: 08/18/2014 15:35
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 84.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-11	EPA Method 8015D DRO C10-C28	08/22/2014 16:46	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:09	KTC	10.2 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**11500**	2320	200		GC32B-149-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	70.3	60.0-140	D	GC32B-149-11
1-COD (S)	3386-33-2	168	60.0-140	D	GC32B-149-11

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Phone: 518.346.4592
Fax: 518.381.6055

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-BOTTOM
Lab Sample ID: 14081378-09 (AR27869)

Collection Date: 08/18/2014 15:25
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 81.5 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32B-149-12	EPA Method 8015D DRO C10-C28	08/22/2014 17:22	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:10	KTC	10.5 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**16100**	3510	300		GC32B-149-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	59.1	60.0-140	D	GC32B-149-12
1-COD (S)	3386-33-2	144	60.0-140	D	GC32B-149-12

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-S
Lab Sample ID: 14081378-10 (AR27870)

Collection Date: 08/18/2014 15:40
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.6 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-151-18	EPA Method 8015D DRO C10-C28	08/25/2014 17:03	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:10	KTC	10.5 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**5640**	1120	100		GC32F-151-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	52.2	60.0-140	D	GC32F-151-18
1-COD (S)	3386-33-2	115	60.0-140	D	GC32F-151-18

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N
Lab Sample ID: 14081378-11 (AR27871)

Collection Date: 08/18/2014 15:45
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-149-17	EPA Method 8015D DRO C10-C28	08/22/2014 20:21	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:11	KTC	10.1 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**2630**	576	50.0		GC32F-149-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	63.2	60.0-140	D	GC32F-149-17
1-COD (S)	3386-33-2	110	60.0-140	D	GC32F-149-17

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

5

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: DUP
Lab Sample ID: 14081378-12 (AR27872)

Collection Date: 08/18/2014 15:50
Sample Matrix: SOIL
Received Date: 08/18/2014 17:20
Percent Solid: 86.1 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-149-20	EPA Method 8015D DRO C10-C28	08/22/2014 22:08	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:13	KTC	10.1 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**14100**	2300	200		GC32F-149-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	82.4	60.0-140	D	GC32F-149-20
1-COD (S)	3386-33-2	184	60.0-140	D	GC32F-149-20

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

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Quality Control Samples (Field)

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MS
Lab Sample ID: 14081378-11M (AR27871M)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-18	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:04	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:22	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	1930	5.00	U	MS09-374-18
2,4,5-Trichlorophenol	95-95-4	ND	1930	5.00	U	MS09-374-18
2,4,6-Trichlorophenol	88-06-2	ND	1930	5.00	U	MS09-374-18
2,4-Dichlorophenol	120-83-2	ND	1930	5.00	U	MS09-374-18
2,4-Dimethylphenol	105-67-9	ND	1930	5.00	U	MS09-374-18
2,4-Dinitrophenol	51-28-5	ND	1930	5.00	U	MS09-374-18
2,4-Dinitrotoluene	121-14-2	ND	1930	5.00	U	MS09-374-18
2,6-Dinitrotoluene	606-20-2	ND	1930	5.00	U	MS09-374-18
2-Chloronaphthalene	91-58-7	ND	963	5.00	U	MS09-374-18
2-Chlorophenol	95-57-8	**2930**	1930	5.00		MS09-374-18
2-Methylnaphthalene	91-57-6	**2950**	963	5.00		MS09-374-18
2-Methylphenol	95-48-7	ND	1930	5.00	U	MS09-374-18
2-Nitroaniline	88-74-4	ND	1930	5.00	U	MS09-374-18
2-Nitrophenol	88-75-5	ND	1930	5.00	U	MS09-374-18
3&4-Methylphenol*	108-39-4/106-44-5	ND	1930	5.00	U	MS09-374-18
3,3'-Dichlorobenzidine	91-94-1	ND	1930	5.00	U	MS09-374-18
3-Nitroaniline	99-09-2	ND	1930	5.00	U	MS09-374-18
4,6-Dinitro-2-methylphenol	534-52-1	ND	1930	5.00	U	MS09-374-18
4-Bromophenyl-phenylether	101-55-3	ND	1930	5.00	U	MS09-374-18
4-Chloro-3-methylphenol	59-50-7	**3250**	1930	5.00		MS09-374-18
4-Chloroaniline	106-47-8	ND	1930	5.00	U	MS09-374-18
4-Chlorophenyl-phenylether	7005-72-3	ND	1930	5.00	U	MS09-374-18
4-Nitroaniline	100-01-6	ND	1930	5.00	U	MS09-374-18
4-Nitrophenol	100-02-7	**3450**	1930	5.00		MS09-374-18
Acenaphthene	83-32-9	**3940**	963	5.00		MS09-374-18
Acenaphthylene	208-96-8	**3820**	963	5.00		MS09-374-18
Acetophenone	98-86-2	ND	1930	5.00	U	MS09-374-18
Anthracene	120-12-7	**3690**	963	5.00		MS09-374-18
Atrazine	1912-24-9	ND	1930	5.00	U	MS09-374-18
Benzaldehyde	100-52-7	ND	1930	5.00	U	MS09-374-18
Benzo(a)anthracene	56-55-3	**3600**	963	5.00		MS09-374-18
Benzo(a)pyrene	50-32-8	**3570**	963	5.00		MS09-374-18
Benzo(b)fluoranthene	205-99-2	**3620**	963	5.00		MS09-374-18
Benzo(g,h,i)perylene	191-24-2	**3390**	963	5.00		MS09-374-18
Benzo(k)fluoranthene	207-08-9	**3390**	963	5.00		MS09-374-18
bis(2-chloroethoxy)methane	111-91-1	ND	1930	5.00	U	MS09-374-18
Bis(2-chloroethyl)ether	111-44-4	ND	1930	5.00	U	MS09-374-18
bis(2-Chloroisopropyl)ether	108-60-1	ND	1930	5.00	U	MS09-374-18
bis(2-Ethylhexyl)phthalate	117-81-7	ND	1930	5.00	U	MS09-374-18
Butylbenzylphthalate	85-68-7	ND	1930	5.00	U	MS09-374-18
Caprolactam	105-60-2	ND	1930	5.00	U	MS09-374-18
Carbazole	86-74-8	ND	963	5.00	U	MS09-374-18
Chrysene	218-01-9	**3550**	963	5.00		MS09-374-18
Dibenz(a,h)anthracene	53-70-3	**3580**	963	5.00		MS09-374-18

Pace Analytical®

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Quality Control Results
Matrix Spike Sample (MS)
Job Number: 14081378

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MS
Lab Sample ID: 14081378-11M (AR27871M)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-18	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:04	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:22	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	963	5.00	U	MS09-374-18
Diethylphthalate	84-66-2	ND	1930	5.00	U	MS09-374-18
Dimethylphthalate	131-11-3	ND	1930	5.00	U	MS09-374-18
Di-n-butylphthalate	84-74-2	ND	1930	5.00	U	MS09-374-18
Di-n-octylphthalate	117-84-0	ND	1930	5.00	U	MS09-374-18
Fluoranthene	206-44-0	**3500**	963	5.00		MS09-374-18
Fluorene	86-73-7	**5060**	963	5.00		MS09-374-18
Hexachlorobenzene	118-74-1	ND	1930	5.00	U	MS09-374-18
Hexachlorobutadiene	87-68-3	ND	1930	5.00	U	MS09-374-18
Hexachlorocyclopentadiene	77-47-4	ND	1930	5.00	U	MS09-374-18
Hexachloroethane	67-72-1	ND	1930	5.00	U	MS09-374-18
Indeno(1,2,3-cd)pyrene	193-39-5	**3370**	963	5.00		MS09-374-18
Isophorone	78-59-1	ND	1930	5.00	U	MS09-374-18
Naphthalene	91-20-3	**3290**	963	5.00		MS09-374-18
Nitrobenzene	98-95-3	ND	1930	5.00	U	MS09-374-18
N-Nitroso-di-n-propylamine	621-64-7	ND	1930	5.00	U	MS09-374-18
N-Nitrosodiphenylamine	86-30-6	**1960**	1930	5.00		MS09-374-18
Pentachlorophenol	87-86-5	ND	1930	5.00	U	MS09-374-18
Phenanthrene	85-01-8	**6160**	963	5.00		MS09-374-18
Phenol	108-95-2	**3300**	1930	5.00		MS09-374-18
Pyrene	129-00-0	**3780**	963	5.00		MS09-374-18

Analyte Spiked	CAS No.	Sample (ug/kg)	Added (ug/kg)	MS (ug/kg)	MS % Rec.	Q[1]	Limits (%)
2-Chlorophenol	95-57-8		3850	2930	76.0		25.0-130
2-Methylnaphthalene	91-57-6		3850	2950	76.6		37.0-112
4-Chloro-3-methylphenol	59-50-7		3850	3250	84.2		46.0-112
4-Nitrophenol	100-02-7		3850	3450	89.5		22.0-123
Acenaphthene	83-32-9		3850	3940	102		33.0-117
Acenaphthylene	208-96-8		3850	3820	99.1		36.0-112
Anthracene	120-12-7		3850	3690	95.8		33.0-125
Benzo(a)anthracene	56-55-3		3850	3600	93.5		41.0-127
Benzo(a)pyrene	50-32-8		3850	3570	92.6		27.0-127
Benzo(b)fluoranthene	205-99-2		3850	3620	94.0		36.0-126
Benzo(g,h,i)perylene	191-24-2		3850	3390	88.0		25.0-120
Benzo(k)fluoranthene	207-08-9		3850	3390	87.9		44.0-125
Chrysene	218-01-9		3850	3550	92.2		41.0-123
Dibenz(a,h)anthracene	53-70-3		3850	3580	92.8		35.0-118
Fluoranthene	206-44-0		3850	3500	90.9		33.0-118
Fluorene	86-73-7	1480	3850	5060	92.9		29.0-120
Indeno(1,2,3-cd)pyrene	193-39-5		3850	3370	87.4		35.0-113
Naphthalene	91-20-3		3850	3290	85.4		24.0-119
Pentachlorophenol	87-86-5		3850	1020	26.5		4.00-113
Phenanthrene	85-01-8	2460	3850	6160	96.1		41.0-118
Phenol	108-95-2		3850	3300	85.8		35.0-128
Pyrene	129-00-0		3850	3780	98.0		42.0-122

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

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Phone: 518.346.4592
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MS
Lab Sample ID: 14081378-11M (AR27871M)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-18	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:04	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:22	KTC	30.2 g	1.00 mL	NA

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	75.9	10.0-135		MS09-374-18
2-Fluorobiphenyl	321-60-8	94.0	10.5-116		MS09-374-18
2-Fluorophenol	367-12-4	85.7	10.0-132		MS09-374-18
Terphenyl-d14	1718-51-0	115	10.0-143		MS09-374-18
Nitrobenzene-d5	4165-60-0	64.2	10.0-118		MS09-374-18
Phenol-d6	13127-88-3	96.7	10.0-141		MS09-374-18

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MSD
Lab Sample ID: 14081378-11K (AR27871K)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-19	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:23	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:23	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	1930	5.00	U	MS09-374-19
2,4,5-Trichlorophenol	95-95-4	ND	1930	5.00	U	MS09-374-19
2,4,6-Trichlorophenol	88-06-2	ND	1930	5.00	U	MS09-374-19
2,4-Dichlorophenol	120-83-2	ND	1930	5.00	U	MS09-374-19
2,4-Dimethylphenol	105-67-9	ND	1930	5.00	U	MS09-374-19
2,4-Dinitrophenol	51-28-5	ND	1930	5.00	U	MS09-374-19
2,4-Dinitrotoluene	121-14-2	ND	1930	5.00	U	MS09-374-19
2,6-Dinitrotoluene	606-20-2	ND	1930	5.00	U	MS09-374-19
2-Chloronaphthalene	91-58-7	ND	964	5.00	U	MS09-374-19
2-Chlorophenol	95-57-8	**2940**	1930	5.00		MS09-374-19
2-Methylnaphthalene	91-57-6	**2690**	964	5.00		MS09-374-19
2-Methylphenol	95-48-7	ND	1930	5.00	U	MS09-374-19
2-Nitroaniline	88-74-4	ND	1930	5.00	U	MS09-374-19
2-Nitrophenol	88-75-5	ND	1930	5.00	U	MS09-374-19
3&4-Methylphenol*	108-39-4/106-44-5	ND	1930	5.00	U	MS09-374-19
3,3'-Dichlorobenzidine	91-94-1	ND	1930	5.00	U	MS09-374-19
3-Nitroaniline	99-09-2	ND	1930	5.00	U	MS09-374-19
4,6-Dinitro-2-methylphenol	534-52-1	ND	1930	5.00	U	MS09-374-19
4-Bromophenyl-phenylether	101-55-3	ND	1930	5.00	U	MS09-374-19
4-Chloro-3-methylphenol	59-50-7	**3040**	1930	5.00		MS09-374-19
4-Chloroaniline	106-47-8	ND	1930	5.00	U	MS09-374-19
4-Chlorophenyl-phenylether	7005-72-3	ND	1930	5.00	U	MS09-374-19
4-Nitroaniline	100-01-6	ND	1930	5.00	U	MS09-374-19
4-Nitrophenol	100-02-7	**3520**	1930	5.00		MS09-374-19
Acenaphthene	83-32-9	**3900**	964	5.00		MS09-374-19
Acenaphthylene	208-96-8	**3570**	964	5.00		MS09-374-19
Acetophenone	98-86-2	ND	1930	5.00	U	MS09-374-19
Anthracene	120-12-7	**3780**	964	5.00		MS09-374-19
Atrazine	1912-24-9	ND	1930	5.00	U	MS09-374-19
Benzaldehyde	100-52-7	ND	1930	5.00	U	MS09-374-19
Benzo(a)anthracene	56-55-3	**3770**	964	5.00		MS09-374-19
Benzo(a)pyrene	50-32-8	**3850**	964	5.00		MS09-374-19
Benzo(b)fluoranthene	205-99-2	**3760**	964	5.00		MS09-374-19
Benzo(g,h,i)perylene	191-24-2	**3690**	964	5.00		MS09-374-19
Benzo(k)fluoranthene	207-08-9	**3740**	964	5.00		MS09-374-19
bis(2-chloroethoxy)methane	111-91-1	ND	1930	5.00	U	MS09-374-19
Bis(2-chloroethyl)ether	111-44-4	ND	1930	5.00	U	MS09-374-19
bis(2-Chloroisopropyl)ether	108-60-1	ND	1930	5.00	U	MS09-374-19
bis(2-Ethylhexyl)phthalate	117-81-7	ND	1930	5.00	U	MS09-374-19
Butylbenzylphthalate	85-68-7	ND	1930	5.00	U	MS09-374-19
Caprolactam	105-60-2	ND	1930	5.00	U	MS09-374-19
Carbazole	86-74-8	ND	964	5.00	U	MS09-374-19
Chrysene	218-01-9	**3750**	964	5.00		MS09-374-19
Dibenz(a,h)anthracene	53-70-3	**3790**	964	5.00		MS09-374-19

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MSD
Lab Sample ID: 14081378-11K (AR27871K)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-19	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:23	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:23	KTC	30.2 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	964	5.00	U	MS09-374-19
Diethylphthalate	84-66-2	ND	1930	5.00	U	MS09-374-19
Dimethylphthalate	131-11-3	ND	1930	5.00	U	MS09-374-19
Di-n-butylphthalate	84-74-2	ND	1930	5.00	U	MS09-374-19
Di-n-octylphthalate	117-84-0	ND	1930	5.00	U	MS09-374-19
Fluoranthene	206-44-0	**3820**	964	5.00		MS09-374-19
Fluorene	86-73-7	**4640**	964	5.00		MS09-374-19
Hexachlorobenzene	118-74-1	ND	1930	5.00	U	MS09-374-19
Hexachlorobutadiene	87-68-3	ND	1930	5.00	U	MS09-374-19
Hexachlorocyclopentadiene	77-47-4	ND	1930	5.00	U	MS09-374-19
Hexachloroethane	67-72-1	ND	1930	5.00	U	MS09-374-19
Indeno(1,2,3-cd)pyrene	193-39-5	**3760**	964	5.00		MS09-374-19
Isophorone	78-59-1	ND	1930	5.00	U	MS09-374-19
Naphthalene	91-20-3	**2920**	964	5.00		MS09-374-19
Nitrobenzene	98-95-3	ND	1930	5.00	U	MS09-374-19
N-Nitroso-di-n-propylamine	621-64-7	ND	1930	5.00	U	MS09-374-19
N-Nitrosodiphenylamine	86-30-6	ND	1930	5.00	U	MS09-374-19
Pentachlorophenol	87-86-5	ND	1930	5.00	U	MS09-374-19
Phenanthrene	85-01-8	**5770**	964	5.00		MS09-374-19
Phenol	108-95-2	**3240**	1930	5.00		MS09-374-19
Pyrene	129-00-0	**3920**	964	5.00		MS09-374-19

								Precision			
Analyte Spiked	CAS No.	Sample (ug/kg)	Added (ug/kg)	MSD (ug/kg)	MSD % Rec.	Q[1]	Limits (%)	MS % Rec.	RPD	Q[1]	Limits (%)
2-Chlorophenol	95-57-8		3850	2940	76.2		25.0-130	76.0	0.263		40
2-Methylnaphthalene	91-57-6		3850	2690	69.7		37.0-112	76.6	9.43		40
4-Chloro-3-methylphenol	59-50-7		3850	3040	78.9		46.0-112	84.2	6.50		40
4-Nitrophenol	100-02-7		3850	3520	91.3		22.0-123	89.5	1.99		40
Acenaphthene	83-32-9		3850	3900	101		33.0-117	102	0.985		40
Acenaphthylene	208-96-8		3850	3570	92.7		36.0-112	99.1	6.67		40
Anthracene	120-12-7		3850	3780	98.0		33.0-125	95.8	2.27		40
Benzo(a)anthracene	56-55-3		3850	3770	97.8		41.0-127	93.5	4.50		40
Benzo(a)pyrene	50-32-8		3850	3850	99.9		27.0-127	92.6	7.58		40
Benzo(b)fluoranthene	205-99-2		3850	3760	97.5		36.0-126	94.0	3.66		40
Benzo(g,h,i)perylene	191-24-2		3850	3690	95.8		25.0-120	88.0	8.49		40
Benzo(k)fluoranthene	207-08-9		3850	3740	96.9		44.0-125	87.9	9.74		40
Chrysene	218-01-9		3850	3750	97.2		41.0-123	92.2	5.28		40
Dibenz(a,h)anthracene	53-70-3		3850	3790	98.3		35.0-118	92.8	5.76		40
Fluoranthene	206-44-0		3850	3820	99.0		33.0-118	90.9	8.53		40
Fluorene	86-73-7	1480	3850	4640	82.0		29.0-120	92.9	12.5		40
Indeno(1,2,3-cd)pyrene	193-39-5		3850	3760	97.4		35.0-113	87.4	10.8		40
Naphthalene	91-20-3		3850	2920	75.8		24.0-119	85.4	11.9		40
Pentachlorophenol	87-86-5		3850	1150	29.7		4.00-113	26.5	11.4		40
Phenanthrene	85-01-8	2460	3850	5770	85.8		41.0-118	96.1	11.3		40
Phenol	108-95-2		3850	3240	83.9		35.0-128	85.8	2.24		40
Pyrene	129-00-0		3850	3920	102		42.0-122	98.0	4.00		40

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MSD
Lab Sample ID: 14081378-11K (AR27871K)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-374-19	EPA Method 8270D CLP OLM 4.3 List	08/26/2014 13:23	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:23	KTC	30.2 g	1.00 mL	NA

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	78.4	10.0-135		MS09-374-19
2-Fluorobiphenyl	321-60-8	89.9	10.5-116		MS09-374-19
2-Fluorophenol	367-12-4	84.2	10.0-132		MS09-374-19
Terphenyl-d14	1718-51-0	117	10.0-143		MS09-374-19
Nitrobenzene-d5	4165-60-0	55.0	10.0-118		MS09-374-19
Phenol-d6	13127-88-3	96.7	10.0-141		MS09-374-19

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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Pace Analytical®

Quality Control Results
Matrix Spike Sample (MS)
Job Number: 14081378

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MS
Lab Sample ID: 14081378-11M (AR27871M)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-149-18	EPA Method 8015D DRO C10-C28	08/22/2014 20:56	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:12	KTC	10.4 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**3150**	559	50.0		GC32F-149-18

Analyte Spiked	CAS No.	Sample (ug/g)	Added (ug/g)	MS (ug/g)	MS % Rec.	Q[1]	Limits (%)
Diesel Range Organics	NA	2630	55.9	3150	932	*	70.0-130

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	80.3	60.0-140	D	GC32F-149-18
1-COD (S)	3386-33-2	112	60.0-140	D	GC32F-149-18

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

Pace Analytical®

Quality Control Results
Matrix Spike Duplicate (MSD)
Job Number: 14081378

Pace Analytical Services, Inc.
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: TP02-E-N MSD
Lab Sample ID: 14081378-11K (AR27871K)

Collection Date: N/A
Sample Matrix: SOIL
Received Date: N/A
Percent Solid: 85.9 - Results are based on dry weight unless otherwise noted.

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-149-19	EPA Method 8015D DRO C10-C28	08/22/2014 21:32	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:12	KTC	10.1 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	**2780**	574	50.0		GC32F-149-19

								Precision			
Analyte Spiked	CAS No.	Sample (ug/g)	Added (ug/g)	MSD (ug/g)	MSD % Rec.	Q[1]	Limits (%)	MS % Rec.	RPD	Q[1]	Limits (%)
Diesel Range Organics	NA	2630	57.4	2780	260	*	70.0-130	932	113	*	20

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	75.5	60.0-140	D	GC32F-149-19
1-COD (S)	3386-33-2	114	60.0-140	D	GC32F-149-19

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

Quality Control Samples (Lab)

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Phone: 518.346.4592
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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: Method Blank (AR27861B)
Lab Sample ID: SBLK-99

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-12	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 11:43	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:09	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
1,1'-Biphenyl	92-52-4	ND	328	1.00	U	MS09-372-12
2,4,5-Trichlorophenol	95-95-4	ND	328	1.00	U	MS09-372-12
2,4,6-Trichlorophenol	88-06-2	ND	328	1.00	U	MS09-372-12
2,4-Dichlorophenol	120-83-2	ND	328	1.00	U	MS09-372-12
2,4-Dimethylphenol	105-67-9	ND	328	1.00	U	MS09-372-12
2,4-Dinitrophenol	51-28-5	ND	328	1.00	U	MS09-372-12
2,4-Dinitrotoluene	121-14-2	ND	328	1.00	U	MS09-372-12
2,6-Dinitrotoluene	606-20-2	ND	328	1.00	U	MS09-372-12
2-Chloronaphthalene	91-58-7	ND	164	1.00	U	MS09-372-12
2-Chlorophenol	95-57-8	ND	328	1.00	U	MS09-372-12
2-Methylnaphthalene	91-57-6	ND	164	1.00	U	MS09-372-12
2-Methylphenol	95-48-7	ND	328	1.00	U	MS09-372-12
2-Nitroaniline	88-74-4	ND	328	1.00	U	MS09-372-12
2-Nitrophenol	88-75-5	ND	328	1.00	U	MS09-372-12
3&4-Methylphenol*	108-39-4/106-44-5	ND	328	1.00	U	MS09-372-12
3,3'-Dichlorobenzidine	91-94-1	ND	328	1.00	U	MS09-372-12
3-Nitroaniline	99-09-2	ND	328	1.00	U	MS09-372-12
4,6-Dinitro-2-methylphenol	534-52-1	ND	328	1.00	U	MS09-372-12
4-Bromophenyl-phenylether	101-55-3	ND	328	1.00	U	MS09-372-12
4-Chloro-3-methylphenol	59-50-7	ND	328	1.00	U	MS09-372-12
4-Chloroaniline	106-47-8	ND	328	1.00	U	MS09-372-12
4-Chlorophenyl-phenylether	7005-72-3	ND	328	1.00	U	MS09-372-12
4-Nitroaniline	100-01-6	ND	328	1.00	U	MS09-372-12
4-Nitrophenol	100-02-7	ND	328	1.00	U	MS09-372-12
Acenaphthene	83-32-9	ND	164	1.00	U	MS09-372-12
Acenaphthylene	208-96-8	ND	164	1.00	U	MS09-372-12
Acetophenone	98-86-2	ND	328	1.00	U	MS09-372-12
Anthracene	120-12-7	ND	164	1.00	U	MS09-372-12
Atrazine	1912-24-9	ND	328	1.00	U	MS09-372-12
Benzaldehyde	100-52-7	ND	328	1.00	U	MS09-372-12
Benzo(a)anthracene	56-55-3	ND	164	1.00	U	MS09-372-12
Benzo(a)pyrene	50-32-8	ND	164	1.00	U	MS09-372-12
Benzo(b)fluoranthene	205-99-2	ND	164	1.00	U	MS09-372-12
Benzo(g,h,i)perylene	191-24-2	ND	164	1.00	U	MS09-372-12
Benzo(k)fluoranthene	207-08-9	ND	164	1.00	U	MS09-372-12
bis(2-chloroethoxy)methane	111-91-1	ND	328	1.00	U	MS09-372-12
Bis(2-chloroethyl)ether	111-44-4	ND	328	1.00	U	MS09-372-12
bis(2-Chloroisopropyl)ether	108-60-1	ND	328	1.00	U	MS09-372-12
bis(2-Ethylhexyl)phthalate	117-81-7	ND	328	1.00	U	MS09-372-12
Butylbenzylphthalate	85-68-7	ND	328	1.00	U	MS09-372-12
Caprolactam	105-60-2	ND	328	1.00	U	MS09-372-12
Carbazole	86-74-8	ND	164	1.00	U	MS09-372-12
Chrysene	218-01-9	ND	164	1.00	U	MS09-372-12
Dibenz(a,h)anthracene	53-70-3	ND	164	1.00	U	MS09-372-12

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Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: Method Blank (AR27861B)
Lab Sample ID: SBLK-99

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-12	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 11:43	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:09	KTC	30.5 g	1.00 mL	NA

Analyte	CAS No.	Result (ug/kg)	PQL	Dilution Factor	Flags	File ID
Dibenzofuran	132-64-9	ND	164	1.00	U	MS09-372-12
Diethylphthalate	84-66-2	ND	328	1.00	U	MS09-372-12
Dimethylphthalate	131-11-3	ND	328	1.00	U	MS09-372-12
Di-n-butylphthalate	84-74-2	ND	328	1.00	U	MS09-372-12
Di-n-octylphthalate	117-84-0	ND	328	1.00	U	MS09-372-12
Fluoranthene	206-44-0	ND	164	1.00	U	MS09-372-12
Fluorene	86-73-7	ND	164	1.00	U	MS09-372-12
Hexachlorobenzene	118-74-1	ND	328	1.00	U	MS09-372-12
Hexachlorobutadiene	87-68-3	ND	328	1.00	U	MS09-372-12
Hexachlorocyclopentadiene	77-47-4	ND	328	1.00	U	MS09-372-12
Hexachloroethane	67-72-1	ND	328	1.00	U	MS09-372-12
Indeno(1,2,3-cd)pyrene	193-39-5	ND	164	1.00	U	MS09-372-12
Isophorone	78-59-1	ND	328	1.00	U	MS09-372-12
Naphthalene	91-20-3	ND	164	1.00	U	MS09-372-12
Nitrobenzene	98-95-3	ND	328	1.00	U	MS09-372-12
N-Nitroso-di-n-propylamine	621-64-7	ND	328	1.00	U	MS09-372-12
N-Nitrosodiphenylamine	86-30-6	ND	328	1.00	U	MS09-372-12
Pentachlorophenol	87-86-5	ND	328	1.00	U	MS09-372-12
Phenanthrene	85-01-8	ND	164	1.00	U	MS09-372-12
Phenol	108-95-2	ND	328	1.00	U	MS09-372-12
Pyrene	129-00-0	ND	164	1.00	U	MS09-372-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	99.8	19.0-122		MS09-372-12
2-Fluorobiphenyl	321-60-8	94.1	30.0-115		MS09-372-12
2-Fluorophenol	367-12-4	90.2	25.0-121		MS09-372-12
Terphenyl-d14	1718-51-0	103	18.0-137		MS09-372-12
Nitrobenzene-d5	4165-60-0	73.4	23.0-120		MS09-372-12
Phenol-d6	13127-88-3	102	24.0-113		MS09-372-12

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

Pace Analytical®

Quality Control Results
Lab Control Sample (LCS)
Job Number: 14081378

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Phone: 518.346.4592
Fax: 518.381.6055

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: Lab Control Sample (AR27861L)
Lab Sample ID: LCS-99

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-372-13	EPA Method 8270D CLP OLM 4.3 List	08/25/2014 12:03	RMS	NA	NA	N/A
Prep 1:	28025	EPA 3545A	08/19/2014 18:10	KTC	30.0 g	1.00 mL	NA

Analyte Spiked	CAS No.	Added (ug/kg)	LCS (ug/kg)	LCS % Rec.	Q[1]	Limits (%)
2-Chlorophenol	95-57-8	3330	2810	84.3		25.0-130
2-Methylnaphthalene	91-57-6	3330	2210	66.2		37.0-112
4-Chloro-3-methylphenol	59-50-7	3330	2340	70.2		46.0-112
4-Nitrophenol	100-02-7	3330	2770	83.1		22.0-123
Acenaphthene	83-32-9	3330	3020	90.7		33.0-117
Acenaphthylene	208-96-8	3330	3080	92.4		36.0-112
Anthracene	120-12-7	3330	3040	91.3		33.0-125
Benzo(a)anthracene	56-55-3	3330	3320	99.8		41.0-127
Benzo(a)pyrene	50-32-8	3330	3280	98.6		27.0-127
Benzo(b)fluoranthene	205-99-2	3330	3300	99.0		36.0-126
Benzo(g,h,i)perylene	191-24-2	3330	3230	97.0		25.0-120
Benzo(k)fluoranthene	207-08-9	3330	3130	94.1		44.0-125
Chrysene	218-01-9	3330	3370	101		41.0-123
Dibenz(a,h)anthracene	53-70-3	3330	3120	93.7		35.0-118
Fluoranthene	206-44-0	3330	3060	91.8		33.0-118
Fluorene	86-73-7	3330	3130	93.9		29.0-120
Indeno(1,2,3-cd)pyrene	193-39-5	3330	3020	90.6		35.0-113
Naphthalene	91-20-3	3330	2190	65.8		24.0-119
Pentachlorophenol	87-86-5	3330	3040	91.2		4.00-113
Phenanthrene	85-01-8	3330	2980	89.5		41.0-118
Phenol	108-95-2	3330	3000	90.1		35.0-128
Pyrene	129-00-0	3330	3290	99.0		42.0-122

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	106	19.0-122		MS09-372-13
2-Fluorobiphenyl	321-60-8	99.7	30.0-115		MS09-372-13
2-Fluorophenol	367-12-4	88.0	25.0-121		MS09-372-13
Terphenyl-d14	1718-51-0	122	18.0-137		MS09-372-13
Nitrobenzene-d5	4165-60-0	75.3	23.0-120		MS09-372-13
Phenol-d6	13127-88-3	103	24.0-113		MS09-372-13

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
*3&4-Methylphenol is reported as a co-elution of 3-Methylphenol and 4-Methylphenol. 3-Methylphenol was not a calibration component in the initial calibration curve.

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

Quality Control Results
Method Blank

Job Number: 14081378

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: Method Blank (AR27861B)
Lab Sample ID: DBLK-10

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-148-15	EPA Method 8015D DRO C10-C28	08/21/2014 18:07	MCA	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:03	KTC	10.7 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	ND	10.0	1.00	U	GC32F-148-15

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	98.2	60.0-140		GC32F-148-15
1-COD (S)	3386-33-2	107	60.0-140		GC32F-148-15

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

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2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Quality Control Results
Lab Control Sample (LCS)

Job Number: 14081378

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: Lab Control Sample (AR27861L)
Lab Sample ID: LCS-10

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-148-16	EPA Method 8015D DRO C10-C28	08/21/2014 18:43	MCA	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28026	EPA 3545A	08/21/2014 09:04	KTC	10.2 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/g)	LCS (ug/g)	LCS % Rec.	Q[1]	Limits (%)
Diesel Range Organics	NA	49.0	46.0	93.8		70.0-130

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	101	60.0-140		GC32F-148-16
1-COD (S)	3386-33-2	103	60.0-140		GC32F-148-16

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

7

Pace Analytical®

Quality Control Results
Method Blank

Job Number: 14081378

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

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: Method Blank (AR27862B)
Lab Sample ID: DBLK-12

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-151-10	EPA Method 8015D DRO C10-C28	08/25/2014 12:17	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28061	EPA 3545A	08/22/2014 07:51	DNM	10.1 g	10.0 mL	NA

Analyte	CAS No.	Result (ug/g)	PQL	Dilution Factor	Flags	File ID
Diesel Range Organics	NA	ND	10.0	1.00	U	GC32F-151-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	81.7	60.0-140		GC32F-151-10
1-COD (S)	3386-33-2	88.6	60.0-140		GC32F-151-10

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

7

Pace Analytical®

Quality Control Results
Lab Control Sample (LCS)
Job Number: 14081378

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

Client: BARTON AND LOGUIDICE
Project: ALCO
Client Sample ID: Lab Control Sample (AR27862L)
Lab Sample ID: LCS-12

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

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC32F-151-11	EPA Method 8015D DRO C10-C28	08/25/2014 12:53	JEB	NA	NA	Phenomenex, Zebron ZB-5, 30 m, 0.25 mm ID, 0.25 µm
Prep 1:	28061	EPA 3545A	08/22/2014 07:51	DNM	10.1 g	10.0 mL	NA

Analyte Spiked	CAS No.	Added (ug/g)	LCS (ug/g)	LCS % Rec.	Q[1]	Limits (%)
Diesel Range Organics	NA	49.3	44.6	90.4		70.0-130

[1]Qualifier column where '*' denotes value outside the control limits. Note: RPD criteria does not apply if either the sample and duplicate sample are not detected.

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
O TERPHENYL (S)	84-15-1	87.2	60.0-140		GC32F-151-11
1-COD (S)	3386-33-2	88.6	60.0-140		GC32F-151-11

[1]Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted out.

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: C10-C28 carbon range, as specified in EPA method 8015D, is established using EPA/Wisconsin DRO mixture.

7

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 : 8/18/2014 3:15:00 PM
Received : 8/20/2014 10:00:00 AM AR27866
Collected By Client

Lab No. : 1408E75-001
Client Sample ID: TP01-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
1,1,2-Trichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
1,1-Dichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
1,1-Dichloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
1,2-Dichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
1,2-Dichloropropane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
2-Butanone	38	DJ	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
2-Hexanone	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
4-Methyl-2-pentanone	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Acetone	230	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Benzene	6.7	DJ	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Bromodichloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Bromoform	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Bromomethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Carbon disulfide	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Carbon tetrachloride	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Chlorobenzene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Chloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Chloroform	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Chloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Dibromochloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Ethylbenzene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Methylene chloride	9.6	DJ	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Styrene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Tetrachloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Toluene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Trichloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 PM	Container-01 of 01
Vinyl chloride	< 63	D	5	µg/Kg-dry	08/25/2014 3:56 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:15:00 PM
Received : 8/20/2014 10:00:00 AM AR27866
Collected By Client

Lab No. : 1408E75-001
Client Sample ID: TP01-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 63	D	5	µg/Kg-dry			08/25/2014 3:56 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	64.8	D	5	%REC	Limit	33-150	08/25/2014 3:56 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	115	D	5	%REC	Limit	34-145	08/25/2014 3:56 PM	Container-01 of 01
Surr: Toluene-d8	86.3	D	5	%REC	Limit	43-157	08/25/2014 3:56 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	20.8		1	wt%	08/21/2014 3:28 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:00:00 PM
Received : 8/20/2014 10:00:00 AM AR27862
Collected By Client

Lab No. : 1408E75-002
Client Sample ID: TP01-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
1,1,2-Trichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
1,1-Dichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
1,1-Dichloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
1,2-Dichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
1,2-Dichloropropane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
2-Butanone	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
2-Hexanone	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
4-Methyl-2-pentanone	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Acetone	21	DJ	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Benzene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Bromodichloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Bromoform	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Bromomethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Carbon disulfide	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Carbon tetrachloride	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Chlorobenzene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Chloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Chloroform	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Chloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Dibromochloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Ethylbenzene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Methylene chloride	7.6	DJ	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Styrene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Tetrachloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Toluene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Trichloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 PM	Container-01 of 01
Vinyl chloride	< 63	D	5	µg/Kg-dry	08/25/2014 4:26 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:00:00 PM
Received : 8/20/2014 10:00:00 AM AR27862
Collected By Client

Lab No. : 1408E75-002
Client Sample ID: TP01-E

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 63	D	5	µg/Kg-dry			08/25/2014 4:26 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	64.2	D	5	%REC	Limit	33-150	08/25/2014 4:26 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	83.2	D	5	%REC	Limit	34-145	08/25/2014 4:26 PM	Container-01 of 01
Surr: Toluene-d8	82.9	D	5	%REC	Limit	43-157	08/25/2014 4:26 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	20.8		1	wt%	08/21/2014 3:29 PM	Container-01 of 01

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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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:40:00 PM
Received : 8/20/2014 10:00:00 AM AR27861
Collected By Client

Lab No. : 1408E75-003
Client Sample ID: TP01-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
1,1,2-Trichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
1,1-Dichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
1,1-Dichloroethene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
1,2-Dichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
1,2-Dichloropropane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
2-Butanone	70	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
2-Hexanone	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
4-Methyl-2-pentanone	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Acetone	360	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Benzene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Bromodichloromethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Bromoform	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Bromomethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Carbon disulfide	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Carbon tetrachloride	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Chlorobenzene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Chloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Chloroform	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Chloromethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Dibromochloromethane	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Ethylbenzene	44	DJ	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Methylene chloride	11	DJ	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Styrene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Tetrachloroethene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Toluene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Trichloroethene	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 PM	Container-01 of 01
Vinyl chloride	< 65	D	5	µg/Kg-dry	08/25/2014 4:57 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:40:00 PM
Received : 8/20/2014 10:00:00 AM AR27861
Collected By Client

Lab No. : 1408E75-003
Client Sample ID: TP01-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	19	DJ	5	µg/Kg-dry			08/25/2014 4:57 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	69.1	D	5	%REC	Limit	33-150	08/25/2014 4:57 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	309	DS	5	%REC	Limit	34-145	08/25/2014 4:57 PM	Container-01 of 01
Surr: Toluene-d8	88.0	D	5	%REC	Limit	43-157	08/25/2014 4:57 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	22.7		1	wt%	08/21/2014 3:30 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:55:00 PM
Received : 8/20/2014 10:00:00 AM AR27863
Collected By Client

Lab No. : 1408E75-004
Client Sample ID: TP01-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
1,1,2-Trichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
1,1-Dichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
1,1-Dichloroethene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
1,2-Dichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
1,2-Dichloropropane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
2-Butanone	39	DJ	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
2-Hexanone	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
4-Methyl-2-pentanone	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Acetone	120	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Benzene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Bromodichloromethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Bromoform	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Bromomethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Carbon disulfide	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Carbon tetrachloride	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Chlorobenzene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Chloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Chloroform	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Chloromethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Dibromochloromethane	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Ethylbenzene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Methylene chloride	8.2	DJ	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Styrene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Tetrachloroethene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Toluene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Trichloroethene	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 PM	Container-01 of 01
Vinyl chloride	< 61	D	5	µg/Kg-dry	08/25/2014 5:27 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:55:00 PM
Received : 8/20/2014 10:00:00 AM AR27863
Collected By Client

Lab No. : 1408E75-004
Client Sample ID: TP01-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	13	DJ	5	µg/Kg-dry			08/25/2014 5:27 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	61.2	D	5	%REC	Limit	33-150	08/25/2014 5:27 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	210	DS	5	%REC	Limit	34-145	08/25/2014 5:27 PM	Container-01 of 01
Surr: Toluene-d8	78.6	D	5	%REC	Limit	43-157	08/25/2014 5:27 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	17.9		1	wt%	08/21/2014 3:31 PM	Container-01 of 01

8

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:45:00 PM
Received : 8/20/2014 10:00:00 AM AR27865
Collected By Client

Lab No. : 1408E75-005
Client Sample ID: TP01-W-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
1,1,2-Trichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
1,1-Dichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
1,1-Dichloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
1,2-Dichloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
1,2-Dichloropropane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
2-Butanone	20	DJ	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
2-Hexanone	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
4-Methyl-2-pentanone	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Acetone	190	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Benzene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Bromodichloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Bromoform	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Bromomethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Carbon disulfide	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Carbon tetrachloride	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Chlorobenzene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Chloroethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Chloroform	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Chloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Dibromochloromethane	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Ethylbenzene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Methylene chloride	8.3	DJ	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Styrene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Tetrachloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Toluene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Trichloroethene	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 PM	Container-01 of 01
Vinyl chloride	< 63	D	5	µg/Kg-dry	08/25/2014 5:57 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:45:00 PM
Received : 8/20/2014 10:00:00 AM AR27865
Collected By Client

Lab No. : 1408E75-005
Client Sample ID: TP01-W-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 63	D	5	µg/Kg-dry			08/25/2014 5:57 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	65.5	D	5	%REC	Limit	33-150	08/25/2014 5:57 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	246	DS	5	%REC	Limit	34-145	08/25/2014 5:57 PM	Container-01 of 01
Surr: Toluene-d8	91.5	D	5	%REC	Limit	43-157	08/25/2014 5:57 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	20.9		1	wt%	08/21/2014 3:31 PM	Container-01 of 01

8

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:50:00 PM
Received : 8/20/2014 10:00:00 AM AR27864
Collected By Client

Lab No. : 1408E75-006
Client Sample ID: TP01-W-S

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
1,1,2-Trichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
1,1-Dichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
1,1-Dichloroethene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
1,2-Dichloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
1,2-Dichloropropane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
2-Butanone	60	DJ	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
2-Hexanone	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
4-Methyl-2-pentanone	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Acetone	210	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Benzene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Bromodichloromethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Bromoform	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Bromomethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Carbon disulfide	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Carbon tetrachloride	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Chlorobenzene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Chloroethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Chloroform	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Chloromethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Dibromochloromethane	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Ethylbenzene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Methylene chloride	9.3	DJ	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Styrene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Tetrachloroethene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Toluene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Trichloroethene	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 PM	Container-01 of 01
Vinyl chloride	< 65	D	5	µg/Kg-dry	08/25/2014 6:28 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 2:50:00 PM
Received : 8/20/2014 10:00:00 AM AR27864
Collected By Client

Lab No. : 1408E75-006
Client Sample ID: TP01-W-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 65	D	5	µg/Kg-dry			08/25/2014 6:28 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	61.6	D	5	%REC	Limit	33-150	08/25/2014 6:28 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	215	DS	5	%REC	Limit	34-145	08/25/2014 6:28 PM	Container-01 of 01
Surr: Toluene-d8	76.1	D	5	%REC	Limit	43-157	08/25/2014 6:28 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	23.1		1	wt%	08/21/2014 3:32 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:25:00 PM
Received : 8/20/2014 10:00:00 AM AR27869
Collected By Client

Lab No. : 1408E75-007
Client Sample ID: TP02-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
1,1,2-Trichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
1,1-Dichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
1,1-Dichloroethene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
1,2-Dichloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
1,2-Dichloropropane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
2-Butanone	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
2-Hexanone	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
4-Methyl-2-pentanone	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Acetone	150	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Benzene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Bromodichloromethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Bromoform	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Bromomethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Carbon disulfide	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Carbon tetrachloride	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Chlorobenzene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Chloroethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Chloroform	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Chloromethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Dibromochloromethane	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Ethylbenzene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Methylene chloride	15	DJ	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Styrene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Tetrachloroethene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Toluene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Trichloroethene	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 PM	Container-01 of 01
Vinyl chloride	< 61	D	5	µg/Kg-dry	08/25/2014 6:58 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:25:00 PM
Received : 8/20/2014 10:00:00 AM AR27869
Collected By Client

Lab No. : 1408E75-007
Client Sample ID: TP02-BOTTOM

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Xylene (total)	< 61	D	5	µg/Kg-dry		08/25/2014 6:58 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	90.8	D	5	%REC	Limit 33-150	08/25/2014 6:58 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	323	DS	5	%REC	Limit 34-145	08/25/2014 6:58 PM	Container-01 of 01
Surr: Toluene-d8	88.9	D	5	%REC	Limit 43-157	08/25/2014 6:58 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	17.7		1	wt%	08/21/2014 3:32 PM	Container-01 of 01

8

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:45:00 PM
Received : 8/20/2014 10:00:00 AM AR27871
Collected By Client

Lab No. : 1408E75-008
Client Sample ID: TP02-E-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
1,1,2,2-Tetrachloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
1,1,2-Trichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
1,1-Dichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
1,1-Dichloroethene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
1,2-Dichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
1,2-Dichloroethene (total)	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
1,2-Dichloropropane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
2-Butanone	33	DJ	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
2-Hexanone	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
4-Methyl-2-pentanone	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Acetone	150	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Benzene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Bromodichloromethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Bromoform	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Bromomethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Carbon disulfide	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Carbon tetrachloride	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Chlorobenzene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Chloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Chloroform	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Chloromethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
cis-1,3-Dichloropropene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Dibromochloromethane	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Ethylbenzene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Methylene chloride	8.0	DJ	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Styrene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Tetrachloroethene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Toluene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
trans-1,3-Dichloropropene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Trichloroethene	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02
Vinyl chloride	< 60	D	5	µg/Kg-dry	08/25/2014 7:29 PM	Container-01 of 02

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:45:00 PM
Received : 8/20/2014 10:00:00 AM AR27871
Collected By Client

Lab No. : 1408E75-008
Client Sample ID: TP02-E-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 60	D	5	µg/Kg-dry			08/25/2014 7:29 PM	Container-01 of 02
Surr: 1,2-Dichloroethane-d4	64.3	D	5	%REC	Limit	33-150	08/25/2014 7:29 PM	Container-01 of 02
Surr: 4-Bromofluorobenzene	93.6	D	5	%REC	Limit	34-145	08/25/2014 7:29 PM	Container-01 of 02
Surr: Toluene-d8	84.4	D	5	%REC	Limit	43-157	08/25/2014 7:29 PM	Container-01 of 02

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	16.0		1	wt%	08/21/2014 3:33 PM	Container-01 of 01

8

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:40:00 PM
Received : 8/20/2014 10:00:00 AM AR27870
Collected By Client

Lab No. : 1408E75-009
Client Sample ID: TP02-E-S

Sample Information:
Type : Soil
Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
1,1,2-Trichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
1,1-Dichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
1,1-Dichloroethene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
1,2-Dichloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
1,2-Dichloropropane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
2-Butanone	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
2-Hexanone	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
4-Methyl-2-pentanone	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Acetone	45	DJ	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Benzene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Bromodichloromethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Bromoform	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Bromomethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Carbon disulfide	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Carbon tetrachloride	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Chlorobenzene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Chloroethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Chloroform	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Chloromethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Dibromochloromethane	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Ethylbenzene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Methylene chloride	10	DJ	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Styrene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Tetrachloroethene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Toluene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Trichloroethene	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 PM	Container-01 of 01
Vinyl chloride	< 60	D	5	µg/Kg-dry	08/25/2014 9:00 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:40:00 PM
Received : 8/20/2014 10:00:00 AM AR27870
Collected By Client

Lab No. : 1408E75-009
Client Sample ID: TP02-E-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 60	D	5	µg/Kg-dry			08/25/2014 9:00 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	61.3	D	5	%REC	Limit	33-150	08/25/2014 9:00 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	397	DS	5	%REC	Limit	34-145	08/25/2014 9:00 PM	Container-01 of 01
Surr: Toluene-d8	92.9	D	5	%REC	Limit	43-157	08/25/2014 9:00 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	16.7		1	wt%	08/21/2014 3:45 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:35:00 PM
Received : 8/20/2014 10:00:00 AM AR27868
Collected By Client

Lab No. : 1408E75-010
Client Sample ID: TP02-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
1,1,2-Trichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
1,1-Dichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
1,1-Dichloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
1,2-Dichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
1,2-Dichloropropane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
2-Butanone	15	DJ	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
2-Hexanone	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
4-Methyl-2-pentanone	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Acetone	86	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Benzene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Bromodichloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Bromoform	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Bromomethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Carbon disulfide	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Carbon tetrachloride	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Chlorobenzene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Chloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Chloroform	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Chloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Dibromochloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Ethylbenzene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Methylene chloride	10	DJ	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Styrene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Tetrachloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Toluene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Trichloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 PM	Container-01 of 01
Vinyl chloride	< 59	D	5	µg/Kg-dry	08/25/2014 9:30 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:35:00 PM
Received : 8/20/2014 10:00:00 AM AR27868
Collected By Client

Lab No. : 1408E75-010
Client Sample ID: TP02-N

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 59	D	5	µg/Kg-dry			08/25/2014 9:30 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	65.3	D	5	%REC	Limit	33-150	08/25/2014 9:30 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	147	DS	5	%REC	Limit	34-145	08/25/2014 9:30 PM	Container-01 of 01
Surr: Toluene-d8	87.1	D	5	%REC	Limit	43-157	08/25/2014 9:30 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	15.6		1	wt%	08/21/2014 3:45 PM	Container-01 of 01

8

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:30:00 PM
Received : 8/20/2014 10:00:00 AM AR27867
Collected By Client

Lab No. : 1408E75-011
Client Sample ID: TP02-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
1,1,2-Trichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
1,1-Dichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
1,1-Dichloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
1,2-Dichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
1,2-Dichloropropane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
2-Butanone	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
2-Hexanone	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
4-Methyl-2-pentanone	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Acetone	19	DJ	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Benzene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Bromodichloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Bromoform	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Bromomethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Carbon disulfide	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Carbon tetrachloride	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Chlorobenzene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Chloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Chloroform	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Chloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Dibromochloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Ethylbenzene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Methylene chloride	8.5	DJ	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Styrene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Tetrachloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Toluene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Trichloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 PM	Container-01 of 01
Vinyl chloride	< 59	D	5	µg/Kg-dry	08/25/2014 10:01 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:30:00 PM
Received : 8/20/2014 10:00:00 AM AR27867
Collected By Client

Lab No. : 1408E75-011
Client Sample ID: TP02-S

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 59	D	5	µg/Kg-dry			08/25/2014 10:01 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	62.9	D	5	%REC	Limit	33-150	08/25/2014 10:01 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	240	DS	5	%REC	Limit	34-145	08/25/2014 10:01 PM	Container-01 of 01
Surr: Toluene-d8	96.2	D	5	%REC	Limit	43-157	08/25/2014 10:01 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	15.5		1	wt%	08/21/2014 3:46 PM	Container-01 of 01

8

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:50:00 PM
Received : 8/20/2014 10:00:00 AM AR27872
Collected By Client

Lab No. : 1408E75-012
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
1,1,2,2-Tetrachloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
1,1,2-Trichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
1,1-Dichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
1,1-Dichloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
1,2-Dichloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
1,2-Dichloroethene (total)	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
1,2-Dichloropropane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
2-Butanone	10	DJ	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
2-Hexanone	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
4-Methyl-2-pentanone	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Acetone	49	DJ	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Benzene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Bromodichloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Bromoform	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Bromomethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Carbon disulfide	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Carbon tetrachloride	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Chlorobenzene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Chloroethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Chloroform	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Chloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
cis-1,3-Dichloropropene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Dibromochloromethane	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Ethylbenzene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Methylene chloride	9.4	DJ	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Styrene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Tetrachloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Toluene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
trans-1,3-Dichloropropene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Trichloroethene	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 PM	Container-01 of 01
Vinyl chloride	< 59	D	5	µg/Kg-dry	08/25/2014 10:31 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
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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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 : 8/18/2014 3:50:00 PM
Received : 8/20/2014 10:00:00 AM AR27872
Collected By Client

Lab No. : 1408E75-012
Client Sample ID: DUP

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260 : Prep Method: 5035A-L Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Xylene (total)	< 59	D	5	µg/Kg-dry			08/25/2014 10:31 PM	Container-01 of 01
Surr: 1,2-Dichloroethane-d4	71.0	D	5	%REC	Limit	33-150	08/25/2014 10:31 PM	Container-01 of 01
Surr: 4-Bromofluorobenzene	294	DS	5	%REC	Limit	34-145	08/25/2014 10:31 PM	Container-01 of 01
Surr: Toluene-d8	91.8	D	5	%REC	Limit	43-157	08/25/2014 10:31 PM	Container-01 of 01

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

Analytical Method: D2216 : Analyst: CN

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	15.2		1	wt%	08/21/2014 3:47 PM	Container-01 of 01

8

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 > MDL and < LOQ, Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Project Manager

PRELIMINARY

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported :

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: **8/20/2014 10:00:00 AM**

Work Order Number: **1408E75** RcptNo: **1** Received by: **Linda Siciliano**

Completed by: Reviewed by:

Completed Date: 8/21/2014 2:45:08 PM Reviewed Date: 8/21/2014 12:59:54 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	1.7 °
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 Bill	☑	Sticker	☐	Not Present	☐
Airbill No:	609399415700					

Case Number: SDG: PACE-NY038 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:

5035 field sampling technique not followed. Samples received in 4 oz jars.

CorrectiveAction:

8

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

Pace Analytical Services, Inc.

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

LRF # 14081378
(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: 14081378

LOCATION (CITY/STATE) ADDRESS: NY

PROJECT MANAGER: Kelly.Miller@pacelabs.com

SAMPLED BY: (Please Print)

SAMPLING FIRM:

REQUIRED TURN AROUND TIME: 8/28/2014

NAME OF COURIER (IF USED):

ELECTRONIC RESULTS carrie.minner@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	8260	PRESERVATIVE CODE	BOTTLE TYPE	BOTTLE SIZE					REMARKS:
TP01-N	8/18/14	2:40	S	GRAB	AR27861	1	X								
TP01-E	8/18/14	3:00	S	GRAB	AR27862	1	X								
TP01-S	8/18/14	2:55	S	GRAB	AR27863	1	X								
TP01-W-S	8/18/14	2:50	S	GRAB	AR27864	1	X								
TP01-W-N	8/18/14	2:45	S	GRAB	AR27865	1	X								
TP01-BOTTOM	8/18/14	3:15	S	COMP	AR27866	1	X								
TP02-S	8/18/14	3:30	S	GRAB	AR27867	1	X								
TP-02-N	8/18/14	3:35	S	GRAB	AR27868	1	X								
TP02-BOTTOM	8/18/14	3:25	S	COMP	AR27869	1	X								
TP02-E-S	8/18/14	3:40	S	GRAB	AR27870	1	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