

Attachment B

Pace Analytical Results and

ACS Report



July 24, 2022

Alexander Brennen
C&S Companies
141 Elm Street
Buffalo NY 14203

RE: 310 Ship Canal Parkway– Method 901.1 sample analysis – Pace Lab Report 30506774

Dear Alex,

This letter has been prepared to provide the results of recent radiological sampling at the 310 Ship Canal Parkway. Four samples were collected at the 310 Ship Canal Parkway site on July 12, 2022 with varied gamma readings. The table below depicts the sample number, gamma reading at time of sampling and sample depth.

ACS obtain radiological samples from 310 Ship Canal Parkway for the purpose of waste characterization of technologically enhanced naturally occurring radiological material (TENORM). NW Excavation Services excavated test trenches to obtain the samples. The samples taken were biased to reflect four different gamma values recorded during the prior walkover surveys.

Sample #	Count Rate (CPM)	Sample Depth
CC-R-01	8,179	Surface-6"
CC-R-02	16,028	Surface-6"
CC-R-03	27,885	1'-1'6"
CC-R-04	34,967	1'6"-2'

The analytical results show that thee TENORM is present onsite. Additionally, the TENORM materials identified are relatively consistent in gamma activity and composition, despite the variation of the gamma readings found at the four sample locations.

The attached figure depicts the sample locations. The samples were analyzed for EPA Method 901.1 Gamma Radionuclides by Pace Analytical Services, LLC of Greensburg, Pennsylvania. The results are attached to this report.

Based upon the results, any TENORM that is identified outside the footprint of any excavation that will not be disturbed may remain in place. Given the relatively low concentrations of radiological activity within the samples, the NYSDEC may grant a variance to allow low level TENORM materials to remain onsite if covered with cover material such as asphalt, concrete or a minimum on-foot clay cover. If you have any questions, please contact me at (716) 480-2125.



Sincerely,

Raj Chopra

Raj Chopra

rschopra@yahoo.com

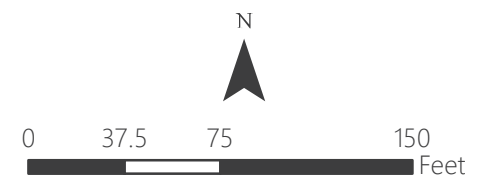
Figure 1

Legend

- BCP Boundary
- Radiological Sample Location (July 2022)
- Background Measurement Location (June 2022)

Gamma Rate (June 2022)

- 5,000 - 10,000
- 10,001 - 15,000
- 15,001 - 20,000
- 20,001 - 25,000
- 25,001 - 30,000
- 30,001 - 35,000
- 35,001 - 40,000
- 40,001 - 45,000



1 inch = 75 feet
When printed at 11 in. by 17 in.



310 Ship Canal Parkway BCP

Sources: . Created by C&S Engineers, Inc.



310 Ship Canal Sampling 7-14-22 -Site Sampling Field Notes

Instrumentation: Ludlum m-2221 w/44-10 Probe
S# 228808. S# pr391728
Calibration due 9-20-22

1 Min Background: 5908 cpm

Sample #: CC-R-001
Surface Count: 6,600-10,200 cpm
Composition of soil 50% soil and 50% tenorm
Sample Collected: 8179 cpm
Depth: At surface

Depth	CPM
0-1'	7k-12k
1-2'	11k-17k
2-3"	14k-22k

Sample #: CC-R-002
Surface Count: 10,500 -16,400 cpm
Composition of soil 60% soil 20% gravel, and 20% tenorm
Sample Collected: 16,028 cpm
Depth: At surface

Depth	CPM
0-1'	10k-16k
1-2'	10k-16k
2-3"	14k-17k

Sample #: CC-R-003
Surface Count: 10,500 -16,400 cpm
Composition of soil 80% soil, 20% tenorm
Sample Collected: 27,885cpm
Depth: 1'-1'6"

Depth	CPM
0-1'	18k-30k
1-2'	18k-30k

Sample CC-R-03 was 60' west of sample CC-R-01 (no test pit)



Sample #: CC-R-004
Surface Count: 10,500 -16,400 cpm
Composition of soil 60% soil, 20% gravel and 20% tenorm
Sample Collected: 34,967 cpm
Depth: 1'6"-2'

Depth	CPM
0-1'	18k-30k
1-2'	18k-30k

Sample CC-R-04 was Southwest boundary between test pits 5-6 (no test pit)

July 25, 2022

Raj Chopra
Advanced Contracting Services
250 N 5th Street
Lewiston, NY 14092

RE: Project: 310 Ship Canal Pkwy-Revised Report
Pace Project No.: 30506774

Dear Raj Chopra:

Enclosed are the analytical results for sample(s) received by the laboratory on July 14, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

(Greensburg, PA) - Revision 1 - This report replaces the July 22, 2022 report. This project was revised on July 25, 2022 to change the project name.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Amber D. Carr
amber.carr@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Stuart Pryce, Advanced Contracting Services



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 310 Ship Canal Pkwy-Revised Report
Pace Project No.: 30506774

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Florida: Cert E871149 SEKS WET
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: 310 Ship Canal Pkwy-Revised Report

Pace Project No.: 30506774

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30506774001	CC-R-01	Solid	07/12/22 10:00	07/14/22 10:20
30506774002	CC-R-02	Solid	07/12/22 10:30	07/14/22 10:20
30506774003	CC-R-03	Solid	07/12/22 12:15	07/14/22 10:20
30506774004	CC-R-04	Solid	07/12/22 12:45	07/14/22 10:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: 310 Ship Canal Pkwy-Revised Report
Pace Project No.: 30506774

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30506774001	CC-R-01	EPA 901.1	MAH	4	PASI-PA
30506774002	CC-R-02	EPA 901.1	MAH	4	PASI-PA
30506774003	CC-R-03	EPA 901.1	MAH	4	PASI-PA
30506774004	CC-R-04	EPA 901.1	MAH	4	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 310 Ship Canal Pkwy-Revised Report
Pace Project No.: 30506774

Sample: CC-R-01 **Lab ID: 30506774001** Collected: 07/12/22 10:00 Received: 07/14/22 10:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

- Comments:
- The preservative type is not listed on the COC.
 - Sample matrix was not listed on COC.
 - The COC was not relinquished.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 901.1	13.930 ± 3.107 (2.040) C:NA T:NA	pCi/g	07/20/22 14:48	13982-63-3	RA
Radium-228	EPA 901.1	0.783 ± 0.328 (0.310) C:NA T:NA	pCi/g	07/20/22 14:48	15262-20-1	
Thorium-230	EPA 901.1	2.912 ± 34.382 (42.040) C:NA T:NA	pCi/g	07/20/22 14:48	14269-63-7	
Uranium-234	EPA 901.1	2.825 ± 3.250 (3.874) C:NA T:NA	pCi/g	07/20/22 14:48	13966-29-5	

Sample: CC-R-02 **Lab ID: 30506774002** Collected: 07/12/22 10:30 Received: 07/14/22 10:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

- Comments:
- Sample matrix was not listed on COC.
 - The preservative type is not listed on the COC.
 - The COC was not relinquished.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 901.1	13.376 ± 2.991 (2.277) C:NA T:NA	pCi/g	07/20/22 14:58	13982-63-3	RA
Radium-228	EPA 901.1	1.258 ± 0.390 (0.294) C:NA T:NA	pCi/g	07/20/22 14:58	15262-20-1	
Thorium-230	EPA 901.1	10.318 ± 18.546 (30.690) C:NA T:NA	pCi/g	07/20/22 14:58	14269-63-7	
Uranium-234	EPA 901.1	3.452 ± 1.656 (2.462) C:NA T:NA	pCi/g	07/20/22 14:58	13966-29-5	

Sample: CC-R-03 **Lab ID: 30506774003** Collected: 07/12/22 12:15 Received: 07/14/22 10:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

- Comments:
- The preservative type is not listed on the COC.
 - The COC was not relinquished.
 - Sample matrix was not listed on COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 901.1	16.866 ± 4.196 (3.153) C:NA T:NA	pCi/g	07/20/22 15:30	13982-63-3	RA
Radium-228	EPA 901.1	1.635 ± 0.402 (0.312) C:NA T:NA	pCi/g	07/20/22 15:30	15262-20-1	
Thorium-230	EPA 901.1	17.485 ± 28.782 (33.220) C:NA T:NA	pCi/g	07/20/22 15:30	14269-63-7	
Uranium-234	EPA 901.1	3.277 ± 1.976 (3.065) C:NA T:NA	pCi/g	07/20/22 15:30	13966-29-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 310 Ship Canal Pkwy-Revised Report

Pace Project No.: 30506774

Sample: CC-R-04 **Lab ID: 30506774004** Collected: 07/12/22 12:45 Received: 07/14/22 10:20 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

- Comments:
- The preservative type is not listed on the COC.
 - The COC was not relinquished.
 - Sample matrix was not listed on COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 901.1	17.221 ± 3.608 (2.452) C:NA T:NA	pCi/g	07/20/22 16:02	13982-63-3	RA
Radium-228	EPA 901.1	1.514 ± 0.397 (0.322) C:NA T:NA	pCi/g	07/20/22 16:02	15262-20-1	
Thorium-230	EPA 901.1	7.778 ± 27.519 (32.090) C:NA T:NA	pCi/g	07/20/22 16:02	14269-63-7	
Uranium-234	EPA 901.1	3.721 ± 1.712 (2.533) C:NA T:NA	pCi/g	07/20/22 16:02	13966-29-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL - RADIOCHEMISTRY

Project: 310 Ship Canal Pkwy-Revised Report

Pace Project No.: 30506774

QC Batch: 520076

Analysis Method: EPA 901.1

QC Batch Method: EPA 901.1

Analysis Description: 901.1 Gamma Spec

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30506774001, 30506774002, 30506774003, 30506774004

METHOD BLANK: 2521336

Matrix: Solid

Associated Lab Samples: 30506774001, 30506774002, 30506774003, 30506774004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.191 (1.012) C:NA T:NA	pCi/g	07/20/22 14:27	RA
Radium-228	0.000 ± 0.026 (0.239) C:NA T:NA	pCi/g	07/20/22 14:27	
Thorium-230	0.000 ± 1.797 (7.087) C:NA T:NA	pCi/g	07/20/22 14:27	
Uranium-234	0.000 ± 0.232 (0.661) C:NA T:NA	pCi/g	07/20/22 14:27	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: 310 Ship Canal Pkwy-Revised Report
Pace Project No.: 30506774

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

RA The reported Ra-226 results were determined using a direct gamma emission (186 keV) shared by both Ra-226 and naturally-occurring U-235. The reported Ra-226 results were determined assuming the shared energy peak is attributable exclusively to Ra-226. Reported results for Ra-226 may be biased high if U-235 is present in the sample.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

WO#: 30506774



CHAIN OF CUSTODY

REPORT TO: **ACS** CLIENT: **Same** LAB PROJECT ID: _____
 ADDRESS: **P.O. Box 986** ADDRESS: _____
 CITY: **Grand Island** STATE: **NY** ZIP: **11402** Quotation #: _____
 PHONE: **716-480-2125** PHONE: _____ Email: _____
 ATTN: **Raj Chopra** ATTN: _____
 Matrix Codes: **ACS** Matrix Code: **30506774**



ACS

PROJECT REFERENCE

Canibus Camp

Matrix Codes: **ACS** Matrix Code: **30506774**
 WA - Water SO - Soil OL - Oil
 AQ - Aqueous Liquid SL - Sludge WP - Wipe
 NQ - Non-Aqueous Liquid WW - Wastewater CK - Caulk AR - Air

DATE COLLECTED	TIME COLLECTED	COMPOSITE	CRM#	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7-11	10			CC-R-01			Analyze	8179
7-11	10:30			CC-R-02			Gamma Spec	14,025
7-11	12:15			CC-R-03			90.1m	27,885
7-11	12:45			CC-R-04			RA-226,229	34,967
							TH - 230	
							U - 234	

REQUESTED ANALYSIS

Turnaround Time: _____
 Availability contingent upon lab approval; additional fees may apply.

Standard 5 day	<input checked="" type="checkbox"/>	Batch QC	<input type="checkbox"/>	Basic EDD	<input type="checkbox"/>
Rush 3 day	<input type="checkbox"/>	Category A	<input type="checkbox"/>	NYSDEC EDD	<input type="checkbox"/>
Rush 2 day	<input type="checkbox"/>	Category B	<input type="checkbox"/>	Other EDD	<input type="checkbox"/>
Rush 1 day	<input type="checkbox"/>	Other	<input type="checkbox"/>	please indicate	_____

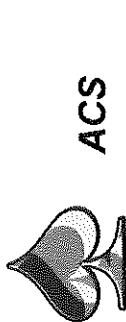
Sampled By: *[Signature]* Date/Time: _____
 Relinquished By: *[Signature]* Date/Time: **7-14-22 10:20**
 Received By: *[Signature]* Date/Time: _____
 Received @ Lab By: _____ Date/Time: _____
 Total Cost: _____ P.I.F. _____

WO#: 30506774

PM: ADC Due Date: 07/21/22
 CLIENT: CEM

CHAIN OF CUSTODY

REPORT TO: INVOICE TO:
 CLIENT: ACS Same
 ADDRESS: P.O. Box 986
 CITY: Grand Island STATE: NY ZIP: 74072
 PHONE: 716-480-2125
 ATTN: Raj Chopra Email: rchopra@vahoo.com



PROJECT REFERENCE

Canal Basin

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
							WA - Water WG - Groundwater DW - Drinking Water WW - Wastewater SO - Soil SL - Sludge SD - Solid PT - Paint WP - Wipe CK - Caulk OL - Oil AR - Air		
7-11-22								<i>Sample from Basin</i>	<i>CPM 16028 888 967</i>
7-12-22									
7-12-22									

Turnaround Time
 Availability contingent upon lab approval; additional fees may apply.

Standard 5 day	<input type="checkbox"/>	Batch QC	<input type="checkbox"/>	Basic EDD	<input type="checkbox"/>
Rush 3 day	<input type="checkbox"/>	Category A	<input type="checkbox"/>	NYSDEC EDD	<input type="checkbox"/>
Rush 2 day	<input type="checkbox"/>	Category B	<input type="checkbox"/>	Other EDD	<input type="checkbox"/>
Rush 1 day	<input type="checkbox"/>	Other	<input type="checkbox"/>	please indicate:	

Report Supplements

Sampled By _____ Date/Time _____ Total Cost: _____
 Relinquished By *J. Adheweyn* 7-14-22 10:20
 Received By _____ Date/Time _____ P.I.F. _____
 Received @ Lab By _____ Date/Time _____

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: ACS

Project # _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 2755 0394 4375

Label	<u>Ja</u>
LIMS Login	<u>UP Inc</u>

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Thermometer Used _____ Type of Ice: Wet Blue None

Cooler Temperature Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C
Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot#	Date and Initials of person examining contents:	
				<u>n/a</u>	<u>7-16-22 Ja</u>	
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.		
Chain of Custody Filled Out:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.	<u>NO container preservative type on coc</u>	
Chain of Custody Relinquished:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.		
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.		
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.		
-Includes date/time/ID Matrix: <u>SL</u>					<u>no matrix on coc</u>	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.		
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.		
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.		
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.		
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.		
-Pace Containers Used:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.		
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.		
Hex Cr Aqueous sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.		
Organic Samples checked for dechlorination:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.		
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	15.		
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.		
exceptions: <u>VOA</u> , coliform, TOC, O&G, Phenolics, Radon, <u>Non-aqueous matrix</u>						
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed	<u>Ja</u>	Date/time of preservation
				Lot # of added preservative		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17.		
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	18.		
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Rad Samples Screened < 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed	<u>Ja</u>	Date: <u>7-16-22</u> Survey Meter SN: <u>1263</u>

MO#: 30506774
 PM: ADC Due Date: 07/21/22
 CLIENT: CEM

Client Notification/ Resolution:

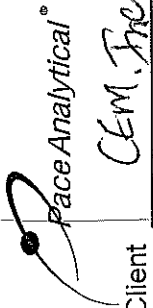
Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.



Greensburg Lab - Sample Container Count

WO# : 30506774

5392

PH: ADC
CLIENT: CEM

Due Date: 07/21/22

Profile Number

Notes

Client

Site

CEM, Inc
Cannibus Cooper

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1	BP11	BP1	BF	B	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC
1	SL																											
2	SL																											
3	SL																											
4	SL																											
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Container Codes

Glass	
GJN	1 Gallon Jug with HNO3
AG5U	100mL amber glass unprnserved
AG5T	100mL amber glass Na Thiosulfate
GJN	1 Gallon Jug
AG1S	1L amber glass H2SO4
AG1H	1L amber glass HCl
AG1T	1L amber glass Na Thiosulfate
BG1U	1L clear glass unprnserved
AG3S	250mL amber glass H2SO4
AG3U	250mL amber glass unprnserved
DG9S	40mL amber VOA vial H2SO4
VG9U	40mL clear VOA vial
VG9T	40mL clear VOA vial Na Thiosulfate
VG9H	40mL clear VOA vial HCl
JGFU	4oz amber wide jar
WGFU	4oz wide jar unprnserved
BG2U	500mL clear glass unprnserved
AG2U	500mL amber glass unprnserved
WGKU	8oz wide jar unprnserved

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Colliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unprnserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unprnserved
BP3C	250mL plastic NaOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unprnserved

Plastic / Misc.	
EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WIP	Wipe

WO#: 30506774

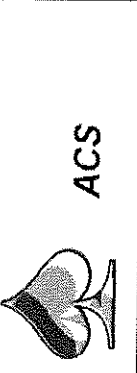


CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

CLIENT: ACS	CLIENT: Same	LAB PROJECT ID
ADDRESS: P.O. Box 986	ADDRESS:	
CITY: Grand Island	STATE: NY	ZIP:
PHONE: 716-480-2125	PHONE:	Quotation #:
ATTN: Raj Chopra	ATTN:	Email: rajchopra@valhalla.com



PROJECT REFERENCE

Canibus Camp

Matrix Codes:
 AQ - Aqueous Liquid
 NQ - Non-Aqueous Liquid
 WA - Water
 WG - Groundwater
 DW - Drinking Water
 WW - Wastewater
 SO - Soil
 SL - Sludge
 WP - Wipe
 CK - Caulk
 OL - Oil
 AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	CRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7-11	10			CC-R-01			Analyze	8179
7-11	10:30			CC-R-02			Gamma Spec	161025
7-11	12:15			CC-R-03			901.1m	27885
7-11	12:45			CC-R-04			RA-2261228	34567
							TH - 230	
							V - 234	

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply. Standard 5 day <input checked="" type="checkbox"/> <input type="checkbox"/> Rush 3 day <input type="checkbox"/> Rush 2 day <input type="checkbox"/> Rush 1 day <input type="checkbox"/> Other <input type="checkbox"/> <small>please indicate:</small>	Batch QC <input type="checkbox"/> Category A <input type="checkbox"/> Category B <input type="checkbox"/> Other <input type="checkbox"/> <small>please indicate</small>
Basic EDD <input type="checkbox"/> NY/SEC EDD <input type="checkbox"/> Other EDD <input type="checkbox"/> <small>please indicate</small>	Sampled By: <i>[Signature]</i> Date/Time: _____ Relinquished By: <i>[Signature]</i> Date/Time: 7-14-22 10:20 Received By: <i>[Signature]</i> Date/Time: _____ Received @ Lab By: _____ Date/Time: _____

Total Cost:

P.I.F.

WO#: 30506774

PM: ADC Due Date: 07/21/22
 CLIENT: CEM

CHAIN OF CUSTODY

REPORT TO: INVOICE TO: Same

CLIENT: ACS
 ADDRESS: P.O. Box 986
 CITY: Grand Island STATE: NY ZIP: 14072
 PHONE: 716-480-2125
 ATTN: Raj Chopra

Quotation #: _____
 Email: es Chopra@yahoo.com



PROJECT REFERENCE

Amesbury Campus

Matrix Codes:
 AQ - Aqueous Liquid
 NQ - Non-Aqueous Liquid

WA - Water
 WG - Groundwater

DW - Drinking Water
 WW - Wastewater

SO - Soil
 SL - Sludge

WP - Wipe
 CK - Caulk

OL - Oil
 AR - Air

DATE COLLECTED	TIME COLLECTED	COMPOSIT GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7-14-22							
7-14-22							
7-14-22							
7-14-22							

*CPM
 8779
 16028
 885
 9017*

Turnaround Time	Report Supplements
Standard 5 day	Availability contingent upon lab approval; additional fees may apply.
Rush 3 day	Basic EDD <input type="checkbox"/>
Rush 2 day	Batch QC <input type="checkbox"/>
Rush 1 day	Category A <input type="checkbox"/>
Other	Category B <input type="checkbox"/>
Other	Other EDD <input type="checkbox"/>
Other	Other EDD please indicate: _____

Sampled By _____ Date/Time _____ Total Cost: _____

Reinquished By *R. Adhyan* Date/Time *7-14-22 10:30*

Received By _____ Date/Time _____ P.I.F. _____

Received @ Lab By _____ Date/Time _____

See additional page for sample conditions.

Pittsburgh Lab Sample Condition Upon Receipt



Client Name: ACS

Project # _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: 2755 0394 4375

Label	<u>Ja</u>
LIMS Login	<u>UP Inc</u>

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Thermometer Used _____ Type of Ice: Wet Blue None
 Cooler Temperature Observed Temp _____ °C Correction Factor: _____ °C Final Temp: _____ °C
 Temp should be above freezing to 6°C

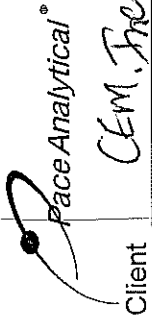
Comments:	pH paper Lot#			Date and Initials of person examining contents:	
	Yes	No	N/A	<u>7-16-22 Ja</u>	
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. <u>n/a</u>	
Chain of Custody Filled Out:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2. <u>No container preservative type on coc</u>	
Chain of Custody Relinquished:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.	
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.	
Sample Labels match COC:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.	
-Includes date/time/ID Matrix: <u>SL</u>				<u>no matrix on coc</u>	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.	
Short Hold Time Analysis (<72hr remaining):	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.	
Rush Turn Around Time Requested:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.	
Sufficient Volume:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	
Correct Containers Used:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10.	
-Pace Containers Used:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.	
Orthophosphate field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.	
Hex Cr Aqueous sample field filtered	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.	
Organic Samples checked for dechlorination:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.	
Filtered volume received for Dissolved tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	15.	
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.	
exceptions: <u>VOA</u> coliform, TOC, O&G, Phenolics, Radon, <u>Non-aqueous matrix</u>					
All containers meet method preservation requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>Ja</u>	Date/time of preservation
				Lot # of added preservative	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	17.	
Trip Blank Present:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	18.	
Trip Blank Custody Seals Present	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Rad Samples Screened < 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>Ja</u>	Date: <u>7-16-22</u> Survey Meter SN: <u>1563</u>

NO#: 30506774
 PM: ADC Due Date: 07/21/22
 CLIENT: CEM

Client Notification/ Resolution:
 Person Contacted: _____ Date/Time: _____ Contacted By: _____
 Comments/ Resolution: _____

A check in this box indicates that additional information has been stored in ereports.

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)
 *PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.



Greensburg Lab - Sample Container Count

WO#: 30506774

5392

PM: ADC

CLIENT: CEM

Due Date: 07/21/22

Profile Number

Notes

Client

Site

CEM, Inc
Cemibus Canyon

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1	BP11	BP1	BF	B	BP3N	BP3S	BP3U	DG9S	GUCB	VG9H	VG9T	VG9U	VOAK	WGCU	ZPLC
1	SL																										
2	SL																										
3	SL																										
4	SL																										
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Container Codes

Glass	
GJN	1 Gallon Jug with HNO3
AG5U	100mL amber glass unpreserved
AG5T	100mL amber glass Na Thiosulfate
GJN	1 Gallon Jug
AG1S	1L amber glass H2SO4
AG1H	1L amber glass HCl
AG1T	1L amber glass Na Thiosulfate
BG1U	1L clear glass unpreserved
AG3S	250mL amber glass H2SO4
AG3U	250mL amber glass unpreserved
DG9S	40mL amber VOA vial H2SO4
VG9U	40mL clear VOA vial
VG9T	40mL clear VOA vial Na Thiosulfate
VG9H	40mL clear VOA vial HCl
JGFU	4oz amber wide jar
WGFU	4oz wide jar unpreserved
BG2U	500mL clear glass unpreserved
AG2U	500mL amber glass unpreserved
WGKU	8oz wide jar unpreserved

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Colliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250mL plastic NaOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

Plastic / Misc.	
EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe