EXHIBIT H

ON-SITE TECHNICAL SERVICES, INC
72 Railroad Avenue
Wellsville, New York 14895
Phone: (585) 593-1824
Fax: (585) 593-7471

February 24, 2015

Mr. Mark Domagala
NYSDEC – Region 8
Division of Solid and Hazardous Materials
6274 East Avon-Lima Road
Avon, New York 14414

Re: Hakes C & D Landfill Painted Post, New York – 4th Quarter 2014 Radiological Test Results

Dear Mark:

On behalf of Hakes C & D Landfill, the purpose of this letter is to present results of the fourth quarter 2014 leachate radiological testing. Leachate sampling and analysis for radiological testing is required as detailed in section 2.6.3 of the March 2012 Environmental Monitoring Plan (EMP). The initial radiological sampling of each landfill cell and combined leachate was completed in May 2012. Therefore, the sampling required in the fourth quarter 2014 includes only landfill cells which contain gas well waste. Currently the cells containing gas well waste includes Cells 5 and 6. Leachate samples were collected from Cells 5 and 6 on November 11, 2014 and sent to ALS Environmental in Rochester, New York. A laboratory results summary table that includes minimum detectable concentration (MDC), field sampling forms and the laboratory analytical report are attached.

Please feel free to call myself at 585-593-1824 or Jerry Leone at 607-435-9996 if you have any questions.

Sincerely,

Jonathan E. Brandes, P.G.
Senior Geologist

cc: Jerry Leone, Casella Waste Systems Inc.
Mark Amann, NYSDEC
Richard Clarkson, NYSDEC
Timothy Rice, NYSDEC

Enclosures

Table 1

Fourth Quarter 2014 Leachate Radiological Analytical Results
Hakes C and D Landfill
Painted Post, New York

Radionuclide	Cell 5 Leachate 11/11/2014 Act ± Unc (MDC) pCi/L	Cell 6 Leachate 11/11/2014 Act ± Unc (MDC) pCi/L
Actinium-228 (EPA 901.1)	-6.837 ± 120.320 (30.58)	10.409 ± 24.611 (48.16)
Actinium-228, Dissolved (EPA 901.1)	-26.581 ± 91.130 (102.7)	9.886 ± 30.538 (59.54)
Bismuth-212 (EPA 901.1)	-20.414 ± 78.455 (107.5)	-10.516 ± 420.640 (185.4)
Bismuth-212, Dissolved (EPA 901.1)	-25.026 ± 237.650 (325)	-11.62 ± 464.800 (94.07)
Bismuth-214 (EPA 901.1)	-0.226 ± 9.291 (15.45)	-4.361 ± 29.908 (27.92)
Bismuth-214, Dissolved (EPA 901.1)	6221.7 ± 670.090 (57.08)	-10.736 ± 429.430 (35.06)
Cesium-134 (EPA 901.1)	0.018 ± 3.795 (6.95)	-1.461 ± 6.674 (12.34)
Cesium-134, Dissolved (EPA 901.1)	18.583 ± 122.550 (202.5)	-1.931 ± 9.353 (16.93)
Cesium-137 (EPA 901.1)	0 ± 4.798 (8.73)	-0.2 ± 7.990 (6.009)
Cesium-137, Dissolved (EPA 901.1)	-23.293 ± 21.840 (35.49)	-0.221 ± 8.829 (13.7)
Lead-212 (EPA 901.1)	-1.043 ± 16.386 (12.77)	2.106 ± 11.720 (22.55)
Lead-212, Dissolved (EPA 901.1)	1205.7 ± 187.920 (162.1)	-6.937 ± 214.460 (26.04)
Lead-214 (EPA 901.1)	11.765 ± 7.949 (10.42)	-0.068 ± 11.656 (24.3)
Lead-214, Dissolved (EPA 901.1)	6818.9 ± 738.230 (73.28)	8.47 ± 15.521 (28.85)
Potassium-40 (EPA 901.1)	22.019 ± 50.369 (96.66)	109.74 ± 112.200 (206.1)
Potassium-40, Dissolved (EPA 901.1)	49.679 ± 149.290 (255.1)	79.214 ± 127.930 (249)
Radium-226 (EPA 901.1)	22.673 ± 97.209 (180.2)	116.87 ± 148.630 (264.7)
Radium-226 (EPA 903.1)	2.68 ± 1.88 (0.908)	1.4 ± 1.68 (0.946)
Radium-226, Dissolved (EPA 901.1)	37.208 ± 567.340 (947.8)	146.1 ± 127.750 (212.1)
Radium-226, Dissolved (EPA 903.1)	3.11 ± 1.57 (0.527)	1.71 ± 0.985 (0.966)
Radium-228 (EPA 901.1)	-6.837 ± 120.320 (30.58)	10.409 ± 24.611 (48.16)
Radium-228 (EPA 904.0)	3.14 ± 0.942 (1.19)	3.57 ± 1.29 (1.84)
Radium-228, Dissolved (EPA 901.1)	-26.581 ± 91.130 (102.7)	9.886 ± 30.538 (59.54)
Radium-228, Dissolved (EPA 904.0)	1.01 ± 0.513 (0.9)	2.01 ± 0.674 (0.912)
Thallium-208 (EPA 901.1)	-1.255 ± 38.779 (7.649)	-0.017 ± 7.625 (15.8)
Thallium-208, Dissolved (EPA 901.1)	-12.905 ± 21.692 (30.68)	-5.66 ± 63.906 (18.47)
Thorium-232 (EPA 901.1)	-981.84 ± 39274.000 (14230)	927.75 ± 4090.100 (7345)
Thorium-232, Dissolved (EPA 901.1)	-10170 ± 41412.000 (56830)	-811.94 ± 11917.000 (7399)
Thorium-234 (EPA 901.1)	124.82 ± 138.410 (638.6)	31.213 ± 234.030 (425.2)
Thorium-234, Dissolved (EPA 901.1)	1225.5 ± 1564.500 (2572)	-59.642 ± 772.250 (421.9)
Total Uranium (EPA 908.0)	0.334 ± 0.287 (0.45)	0.0554 ± 0.380 (0.669)
Total Uranium, Dissolved (EPA 908.0)	0.778 ± 0.592 (0.918)	-0.084 ± 0.267 (0.498)
Uranium-235 (EPA 901.1)	-12.206 ± 87.172 (46.67)	0.845 ± 29.212 (57.04)
Uranium-235, Dissolved (EPA 901.1)	-97.448 ± 219.760 (316.6)	-19.512 ± 147.980 (99.7)
Uranium-238 (EPA 901.1)	64.726 ± 90.801 (159.4)	50.771 ± 132.180 (234.5)
Uranium-238, Dissolved (EPA 901.1)	-402.38 ± 650.120 (849.1)	75.716 ± 137.740 (242.3)

Notes:

Act + Unc (MDC) = Activity ± Uncertainty (Minimum Detectable Concentration)

Dissolved - Indicates sample filtered with 0.45 micron filter prior to analysis.

Each of EPA 901.1, EPA 903.1, EPA 904.0 & EPA 908.0 are laboratory analysis methods.

Groundwater Suppression and Leachate Sampling Field Form
On-Site Technical Services, Inc.

Project: Hakes C&D Landfill, Painted Post, New York **Date:** 11-11-14

Sampling Location: Cell 5 Leachate **Sample ID:** Leach5-1114 **Arrival Time:** 1530

Weather Conditions:

Temp. 60 ° F (X) Sunny ( ) Partly Cloudy ( ) Cloudy ( ) Light Rain ( ) Hvy. Rain ( ) Snow

Wind Conditions: 5-15 mph

Location Type

( ) Groundwater Suppression (X) Leachate ( ) Secondary Leachate ( ) Surface Water/Sediment ( ) Res. Water

( ) Other _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: NA

Comments: Sampled from pre-filled buckets

Field Parameters (as appropriate)

Meter: YSI 556 (sn: 05H1715A0), Hach 2100P (sn: 12410)

Field Parameters tested in: ( ) Submerged Probe ( ) Cup

Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
1530	6.83	5468	152	NA	18.65	7.5

Sample Information

Sample Type: (X) Grab ( ) Composite Sample Location: ( ) Discharge Pipe ( ) Pond ( ) Ditch (X) Bucket

Location Description/Condition: Cell 5 risers

Sample Collection Equipment/Method: 1000mL Jug Sample Time: 1535

Sample Description (clarity\color): cloudy / Amber color Sample Odor (Y) or (N) Explain: Leachate odor

Other Observations/Comments: _____

Analysis Requested: RAD Number of Containers: 10

Sampling Completion: Time 1550 Date 11-11-14 Samplers TReed

Groundwater Suppression and Leachate Sampling Field Form
On-Site Technical Services, Inc.

Project: Hakes C&D Landfill, Painted Post, New York **Date:** 11-11-14

Sampling Location: Leach 6 **Sample ID:** Leach 6-1114 **Arrival Time:** 1517

Weather Conditions:

Temp. 63 F (X) Sunny ( ) Partly Cloudy ( ) Cloudy ( ) Light Rain ( ) Hvy. Rain ( ) Snow

Wind Conditions: 5-10 mph

Location Type

( ) Groundwater Suppression (X) Leachate ( ) Secondary Leachate ( ) Surface Water/Sediment ( ) Res. Water

( ) Other _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: NA

Comments: _____

Field Parameters (as appropriate)

Meter: YSI.556 (sn: 06E251114P), Hach 2100P (sn: 13309)

Field Parameters tested in: ( ) Submerged Probe ( ) Cup

Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
1530	6.61	11981	185.0	NA	22.17	-163.6

Sample Information

Sample Type: (√) Grab ( ) Composite Sample Location: (X) Discharge Pipe ( ) Pond ( ) Ditch

Location Description/Condition: Cell 6 Riser Collect in bucket by Mike Hakes

Sample Collection Equipment/Method: _____ Sample Time: 1530

Sample Description (clarity\color): DK Transparent DK Sample Odor (Y) or (N) Explain: Leachate odor

Other Observations/Comments: _____

Analysis Requested: Rad Nuc Sample Number of Containers: 10

Sampling Completion: Time 1543 Date 11-14-14 Samplers KDyo

1565 Jefferson Rd., Bldg 300, Suite 360
Rochester, NY 14623
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F:+1 585 288 8475
www.alsglobal.com

November 26, 2014

Mr. Joe Boyles
Casella Waste Systems
Hyland Facility
6653 Herdman Road
Angelica, NY 14709

Re: Hakes C&D Landfill – Tank Sediment
Service Request # R1408480

Dear Mr. Boyles:

Enclosed is the analytical data report for the above referenced facility. A total of one sample was subcontracted to Pace Analytical for Radiological Testing.

This report consists of one (1) package: the sample data summary package. The summary package has been e-mailed to your attention and to On-Site. A hard copy of the summary package has also been mailed to On-Site. All data presented in this package has been reviewed prior to report submission. If you should have any questions or concerns, please contact me at (585) 288-5380.

Thank you for your continued use of our services.

Sincerely,

ALS Environmental

Janice M. Jaeger
Project Chemist

enc.

cc: Mr. Jon Brandes
On-Site
72 Railroad Avenue
Wellsville, NY 14895

Columbia Analytical Services

1565 Jefferson Road
Bldg 300, Suite 360
Rochester, NY 14623

800.695.7222
www.caslab.com

CHAIN of CUSTODY

Page 1 of 1

Client: Casella/On-Site
4376 Manning Ridge Road
Painted Post, NY 14870

Project Manager: Joe Boyles/Jon Brandes

Project: Hakes - Leachate Tank Sediment

Telephone No.: 585-593-1824

Fax No.: 585-593-7471

Method of Shipment: FED EX ~~Velocity~~

Special Detection Limit / Reporting

PDF to Joe and On-Site. Hard copy and EDD to On-Site.

Sample I.D.	Lab Sample No.	No. of Containers	Matrix: Soil	Matrix: Water	Matrix: Air	Matrix: Other	Prsv.: Yes	Prsv.: No	Sampling Date	Sampling Time	Total: Gamma Spec (901.1), Ra-226 (903.1), Ra-228 (904.0)	Total: Uranium (908.0)	Turn Around Time (working days)
Leach SED-1014		5	X					X	10-22-14	1230	X	X	

10-22-14

Sample Received Intact: Yes No

Temperature received: Ice No ice

Relinq. by sampler (Sign & Print Name)	Date	Time	Received by (Sign & Print Name)
Kevin Dye/Kevin Dye	10-22-14	1500	
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by
Relinquished by	Date	Time	Received by laboratory: Date 10/23/14 Time 1320

Lab Work No.

R1408480 5
Casella Waste Systems
Hakes Leachate Tank Sediment

R1408480 5

Casella Waste Systems
Hakes Leachate Tank Sediment

Cooler Receipt and Preservation Check Form

Project/Client Casella Folder Number R14-8480.

Cooler received on 10/23/14 by: DW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Ⓝ	5a	**Perchlorate** samples have required headspace?	Y N NA
2	**Custody papers** properly completed (ink, signed)?	Y N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y N NA
3	Did all bottles arrive in good **condition** (unbroken)?	Y N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: **Wet Ice Dry Ice Gel packs** present?	Y N	7	Soil VOA received as:	Bulk Encore 5035set NA

8. Temperature Readings Date: 10/23/14 Time: 1320 ID: IR#3 IR#4 From: Temp Blank Sample Bottle

Observed Temp (°C)	3.0°						
Correction Factor (°C)	+0.0°						
Corrected Temp (°C)	3.0°						
Within 0-6°C?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-007 by DW on 10/23/14 at 1320
5035 samples placed in storage location: _____ by _____ on _____ at _____

PC Secondary Review: DW 10/24/14

Cooler Breakdown: Date: 10/27/14 Time: 1755 by: D

1. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

Explain any discrepancies:

pH	Reagent	Yes	No	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
<4	$NaHSO_4$								
Residual Chlorine (-)	For CN Phenol and 522			If +, contact PM to add $Na_2S_2O_3$ (CN), ascorbic (phenol).					
	$Na_2S_2O_3$	-	-						
	ZnAcetate	-	-						
	HCl	**	**						

**Not to be tested before analysis – pH tested and recorded by VOAs on a separate worksheet

Yes=All samples OK

No=Samples were preserved at The lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 122313-13WL1

Other Comments:

PC Secondary Review: DW 11/3/14

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

November 25, 2014

Ms. Janice Jaeger
ALS Environmental Columbia
1565 Jefferson Road
Building 300
Rochester, NY 14623

RE: Project: R1408480
Pace Project No.: 30133050

Dear Ms. Jaeger:
Enclosed are the analytical results for sample(s) received by the laboratory on October 28, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carin A. Ferris

Carin Ferris
carin.ferris@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: R1408480
Pace Project No.: 30133050

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
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/PADEP Certification
Wyoming Certification #: 8TMS-Q

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: R1408480
Pace Project No.: 30133050

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30133050001	R1408480-001	Solid	10/22/14 12:30	10/28/14 10:15

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: R1408480
Pace Project No.: 30133050

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30133050001	**R1408480-001**	EPA 901.1	MAH	2
		HSL-300	LAL	3

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: R1408480
Pace Project No.: 30133050

Method: **EPA 901.1**
Description: 901.1 Gamma Spec INGROWTH
Client: ALS Environmental Columbia
Date: November 25, 2014

General Information:
1 sample was analyzed for EPA 901.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 901.1 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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www.pacelabs.com

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Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: R1408480
Pace Project No.: 30133050

Method: **HSL-300**
Description: HSL300(AS) Actinides
Client: ALS Environmental Columbia
Date: November 25, 2014

General Information:
1 sample was analyzed for HSL-300. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: RADC/22088

N2: The lab does not hold TNI accreditation for this parameter.

- BLANK (Lab ID: 813942)
  - Uranium-234
  - Uranium-235
  - Uranium-238
- R1408480-001 (Lab ID: 30133050001)
  - Uranium-234
  - Uranium-235
  - Uranium-238

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: R1408480
Pace Project No.: 30133050

Sample: R1408480-001 **Lab ID: 30133050001** Collected: 10/22/14 12:30 Received: 10/28/14 10:15 Matrix: Solid
PWS: Site ID: Sample Type:

Results reported on a "dry-weight" basis

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 901.1	**2.118 ± 0.468 (0.323) C:NA T:NA**	pCi/g	11/25/14 10:27	13982-63-3	
Radium-228	EPA 901.1	**1.839 ± 0.584 (0.997) C:NA T:NA**	pCi/g	11/25/14 10:27	15262-20-1	
Uranium-234	HSL-300	**0.076 ± 0.193 (0.443) C:NA T:90%**	pCi/g	11/13/14 20:56	13966-29-5	N2
Uranium-235	HSL-300	**-0.011 ± 0.161 (0.224) C:NA T:90%**	pCi/g	11/13/14 20:56	15117-96-1	N2
Uranium-238	HSL-300	**0.243 ± 0.211 (0.314) C:NA T:90%**	pCi/g	11/13/14 20:56		N2

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: R1408480
Pace Project No.: 30133050

QC Batch: RADC/22088
QC Batch Method: HSL-300
Analysis Method: HSL-300
Analysis Description: HSL300(AS) Actinides
Associated Lab Samples: 30133050001

METHOD BLANK: 813942
Matrix: Solid
Associated Lab Samples: 30133050001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Uranium-234	0.042 ± 0.120 (0.285) C:NA T:111%	pCi/g	11/13/14 20:52	N2
Uranium-235	-0.024 ± 0.119 (0.221) C:NA T:111%	pCi/g	11/13/14 20:52	N2
Uranium-238	0.091 ± 0.128 (0.252) C:NA T:111%	pCi/g	11/13/14 20:52	N2

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

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
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(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: R1408480
Pace Project No.: 30133050

QC Batch: RADC/22100
QC Batch Method: EPA 901.1
Associated Lab Samples: 30133050001

Analysis Method: EPA 901.1
Analysis Description: 901.1 Gamma Spec Ingrowth

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

Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: R1408480
Pace Project No.: 30133050

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval). Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(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

N2 The lab does not hold TNI accreditation for this parameter.

ALS Environmental Chain of Custody

1565 Jefferson Rd, Building 300 • Rochester, NY 14623 • 585-288-5380 • FAX 585-288-8475

ALS Contact: Janice Jaeger

Project Number: R1408480
Project Manager: Janice Jaeger

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	Gamma Spec 901.1
R1408480-001	LeachSED-1014	5	Soil	10/22/14	1230	ACZ	X

Uranium by 1 HSL 300

30133050

81

Special Instructions/Comments
excel EDD

H - Test is On Hold P - Test is Authorized for Prep Only

Turnaround Requirements
____RUSH (Surcharges Apply)
PLEASE CIRCLE WORK DAYS
1 2 3 4 5
__X__STANDARD
Requested FAX Date: _____
Requested Report Date: 11/07/14

Report Requirements
___ I. Results Only
__X__ II. Results + QC Summaries
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
PQL/MDL/J N
EDD Y

Invoice Information
PO# R1408480
Bill to

Relinquished By: [signature] 10/23/14 1300 Received By: [signature] 10-28-14 1015 Airbill Number: _____

R1408480

30133050

Ship To: Pace PA
Pace Analytical Services
1638 Roseytown Road
Suites 2,3, & 4
Greensburg, PA 15601

PC _____ Date 10/24/14

SMO _____ Date _____

Instructions:

Ice _____

Dry Ice _____

No Ice _____

Shipping:

Overnight _____

2nd Day _____

Ground _____

Bill to Client Account _____

Comments:

Sample Condition Upon Receipt

Pace Analytical

Client Name: ALS

Project # 30133050

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 553084994964

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no **Biological Tissue is Frozen:** Yes No

Packing Material: Bubble Wrap ___ Bubble Bags ___ None ___ Other _____

Thermometer Used 8 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temp.: Observed Temp.: 3.9 °C Correction Factor: -0.1 °C Final Temp: 3.8 °C

Temp should be above freezing to 6°C

Date and Initials of person examining contents: AML 10-28-14

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed AML / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Janice Jaeger Date/Time: 10/29/14

Comments/ Resolution:

VIA 10/24/14 email: Gamma spec is Ra226 & Ra228

Project Manager Review: Connie Sercu **Date:** 10/29/14

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)

Pace Analytical

page 2

Project Number: 30133050

Client Name: ALS

Item No.	001											
Matrix Code	SL											
Glass Jar (120 / 250 / 500 / 1L)	2 2oz 3 4oz											
Soil kit (2 SB, 1M, soil jar)												
Chemistry (250 / 500 / 1L)												
Organics (1L)												
Nutrient (250 / 500)												
Phenolics (250 ml)												
TOC (40 ml / 250 ml)												
TOX (250 ml)												
Total Metals												
Dissolved Metals preserved Y N												
O & G (1L)												
TPH (1L)												
VOA (40 ml 30 ml)												
Cyanide (250 ml)												
Sulfide (500 ml)												
Bactera (120 ml)												
Wipes / swipe/ smear/ filter												
Radchem Nalgene (125 / 250 / 500 / 1L)												
Radchem Nalgene (1/2 gal. / 1 gal.L)												
Cubitainer (500 ml / 4L)												
Ziploc												
Other												
Other												
Other												

SCURF Back (C016-4 15May2012).xls