

August 31, 2018

John Z. French
LDHH-OPH-Engineering Services
628 N. Fourth Street
Baton Rouge, LA 70821

RE: Project: LDH/OPH/Engineering R7 Ph2/5
Pace Project No.: 35410887

Dear John French:

Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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,



Bo Garcia
bo.garcia@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: Parker Allen
Jeremy Harris
Spencer Hillyard
Sean Nolan
Brandon Taylor



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Pennsylvania Certification IDs

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
 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 #: 9526
 Washington Certification #: C868
 West Virginia DEP Certification #: 143
 West Virginia DHHR Certification #: 9964C
 Wisconsin Approve List for Rad
 Wyoming Certification #: 8TMS-L

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
 Alabama Certification #: 41320
 Connecticut Certification #: PH-0216
 Florida Certification #: E83079
 Georgia Certification #: 955
 Guam Certification: FL NELAC Reciprocity
 Hawaii Certification: FL NELAC Reciprocity
 Illinois Certification #: 200068
 Indiana Certification: FL NELAC Reciprocity
 Kansas Certification #: E-10383
 Kentucky Certification #: 90050
 Louisiana Certification #: FL NELAC Reciprocity
 Louisiana Environmental Certificate #: 05007
 Maryland Certification: #346
 Michigan Certification #: 9911
 Mississippi Certification: FL NELAC Reciprocity
 Missouri Certification #: 236
 Montana Certification #: Cert 0074
 Nebraska Certification: NE-OS-28-14

Nevada Certification: FL NELAC Reciprocity
 New Hampshire Certification #: 2958
 New Jersey Certification #: FL022
 New York Certification #: 11608
 North Carolina Environmental Certificate #: 667
 North Carolina Certification #: 12710
 North Dakota Certification #: R-216
 Oklahoma Certification #: D9947
 Pennsylvania Certification #: 68-00547
 Puerto Rico Certification #: FL01264
 South Carolina Certification: #96042001
 Tennessee Certification #: TN02974
 Texas Certification: FL NELAC Reciprocity
 US Virgin Islands Certification: FL NELAC Reciprocity
 Virginia Environmental Certification #: 460165
 Wyoming Certification: FL NELAC Reciprocity
 West Virginia Certification #: 9962C
 Wisconsin Certification #: 399079670
 Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35410887001	LA1031007 7AJZ 1031007-011	Drinking Water	08/08/18 11:17	08/13/18 14:58

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SAMPLE ANALYTE COUNT

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35410887001	LA1031007 7AJZ 1031007-011	EPA 200.7	SC1	11	PASI-O
		EPA 200.8	CRT	8	PASI-O
		EPA 245.1	CS2	1	PASI-O
		EPA 900.0	NEG	2	PASI-PA
		EPA 903.1	MK1	1	PASI-PA
		EPA 904.0	JLW	1	PASI-PA

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ANALYTICAL RESULTS

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Sample: LA1031007 7AJZ 1031007-011 **Lab ID:** 35410887001 Collected: 08/08/18 11:17 Received: 08/13/18 14:58 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Barium	0.014	mg/L	0.010	0.0023	1	08/15/18 22:17	08/16/18 08:33	7440-39-3	
Beryllium	<0.00051	mg/L	0.0016	0.00051	1	08/15/18 22:17	08/16/18 08:33	7440-41-7	
Cadmium	<0.00096	mg/L	0.0030	0.00096	1	08/15/18 22:17	08/16/18 08:33	7440-43-9	
Chromium	<0.00081	mg/L	0.0060	0.00081	1	08/15/18 22:17	08/16/18 08:33	7440-47-3	
Iron	<0.039	mg/L	0.12	0.039	1	08/15/18 22:17	08/16/18 08:33	7439-89-6	
Manganese	0.0024J	mg/L	0.0050	0.0012	1	08/15/18 22:17	08/16/18 08:33	7439-96-5	
Nickel	<0.0020	mg/L	0.0080	0.0020	1	08/15/18 22:17	08/16/18 08:33	7440-02-0	
Potassium	0.96J	mg/L	1.0	0.27	1	08/15/18 22:17	08/16/18 08:33	7440-09-7	
Silver	<0.0015	mg/L	0.0050	0.0015	1	08/15/18 22:17	08/16/18 08:33	7440-22-4	
Sodium	219	mg/L	11.2	3.0	5	08/15/18 22:17	08/17/18 16:15	7440-23-5	
Zinc	<0.015	mg/L	0.050	0.015	1	08/15/18 22:17	08/16/18 08:33	7440-66-6	
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
Aluminum	<0.0072	mg/L	0.010	0.0072	1	08/15/18 22:16	08/16/18 14:19	7429-90-5	
Antimony	<0.00050	mg/L	0.0010	0.00050	1	08/15/18 22:16	08/16/18 14:19	7440-36-0	
Arsenic	<0.00050	mg/L	0.0010	0.00050	1	08/15/18 22:16	08/16/18 14:19	7440-38-2	
Copper	<0.00093	mg/L	0.0010	0.00093	1	08/15/18 22:16	08/16/18 14:19	7440-50-8	
Lead	<0.00064	mg/L	0.0010	0.00064	1	08/15/18 22:16	08/16/18 14:19	7439-92-1	
Selenium	<0.00083	mg/L	0.0010	0.00083	1	08/15/18 22:16	08/16/18 14:19	7782-49-2	
Thallium	<0.00050	mg/L	0.0010	0.00050	1	08/15/18 22:16	08/16/18 14:19	7440-28-0	
Uranium	<0.00050	mg/L	0.0010	0.00050	1	08/15/18 22:16	08/16/18 14:19	7440-61-1	
245.1 Mercury		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	<0.10	ug/L	0.20	0.10	1	08/29/18 18:00	08/31/18 12:27	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

QC Batch: 473292

Analysis Method: EPA 245.1

QC Batch Method: EPA 245.1

Analysis Description: 245.1 Mercury

Associated Lab Samples: 35410887001

METHOD BLANK: 2559642

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	0.10	08/31/18 12:10	

LABORATORY CONTROL SAMPLE: 2559643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2	2.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2559644 2559645

Parameter	Units	35410884001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury	ug/L	<0.10	2	2	2.1	2.0	103	100	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2559646 2559647

Parameter	Units	35412931008 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Mercury	ug/L	0.10U	2	2	2.2	2.1	106	102	70-130	5	20	

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QUALITY CONTROL DATA

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

QC Batch: 469728

Analysis Method: EPA 200.7

QC Batch Method: EPA 200.7

Analysis Description: 200.7 MET Drinking Water

Associated Lab Samples: 35410887001

METHOD BLANK: 2539515

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	mg/L	<0.00084	0.010	0.00084	08/16/18 08:02	
Beryllium	mg/L	<0.0016	0.0050	0.0016	08/16/18 08:02	
Cadmium	mg/L	<0.00033	0.0030	0.00033	08/16/18 08:02	
Chromium	mg/L	<0.0017	0.0050	0.0017	08/16/18 08:02	
Iron	mg/L	<0.0092	0.040	0.0092	08/16/18 08:02	
Manganese	mg/L	<0.00042	0.0050	0.00042	08/16/18 08:02	
Nickel	mg/L	<0.0021	0.0070	0.0021	08/16/18 08:02	
Potassium	mg/L	<0.15	1.0	0.15	08/16/18 08:02	
Silver	mg/L	<0.0010	0.0050	0.0010	08/16/18 08:02	
Sodium	mg/L	<0.27	1.0	0.27	08/16/18 08:02	
Zinc	mg/L	<0.011	0.035	0.011	08/16/18 08:02	

LABORATORY CONTROL SAMPLE: 2539516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	.25	0.25	99	85-115	
Beryllium	mg/L	.025	0.024	97	85-115	
Cadmium	mg/L	.025	0.025	100	85-115	
Chromium	mg/L	.25	0.25	99	85-115	
Iron	mg/L	2.5	2.5	99	85-115	
Manganese	mg/L	.25	0.25	101	85-115	
Nickel	mg/L	.25	0.25	99	85-115	
Potassium	mg/L	12.5	11.8	95	85-115	
Silver	mg/L	.025	0.024	98	85-115	
Sodium	mg/L	12.5	12.3	99	85-115	
Zinc	mg/L	1.2	1.3	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2539517 2539518

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		35410884001 Result	Spike Conc.	Spike Conc.	MS Result						
Barium	mg/L	0.017	.25	.25	0.27	0.27	100	101	70-130	1	20
Beryllium	mg/L	<0.00051	.025	.025	0.025	0.025	98	98	70-130	0	20
Cadmium	mg/L	<0.00096	.025	.025	0.025	0.025	100	100	70-130	0	20
Chromium	mg/L	<0.00081	.25	.25	0.25	0.25	100	100	70-130	0	20
Iron	mg/L	<0.039	2.5	2.5	2.5	2.5	100	100	70-130	0	20
Manganese	mg/L	0.0084	.25	.25	0.26	0.26	101	101	70-130	0	20
Nickel	mg/L	<0.0020	.25	.25	0.25	0.25	101	101	70-130	0	20

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QUALITY CONTROL DATA

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Parameter	Units	2539517		2539518		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		35410884001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Potassium	mg/L	0.95J	12.5	12.5	13.7	13.7	102	102	70-130	0	20	
Silver	mg/L	<0.0015	.025	.025	0.025	0.025	99	99	70-130	0	20	
Sodium	mg/L	141	12.5	12.5	154	154	110	105	70-130	0	20	
Zinc	mg/L	<0.015	1.2	1.2	1.3	1.3	102	102	70-130	0	20	

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QUALITY CONTROL DATA

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

QC Batch: 469730	Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8	Analysis Description: 200.8 MET Drinking Water
Associated Lab Samples: 35410887001	

METHOD BLANK: 2539519 Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	<0.0072	0.010	0.0072	08/16/18 08:38	
Antimony	mg/L	<0.00050	0.0010	0.00050	08/16/18 08:38	
Arsenic	mg/L	<0.00050	0.0010	0.00050	08/16/18 08:38	
Copper	mg/L	<0.00093	0.0010	0.00093	08/16/18 08:38	
Lead	mg/L	<0.00064	0.0010	0.00064	08/16/18 08:38	
Selenium	mg/L	<0.00083	0.0010	0.00083	08/16/18 08:38	
Thallium	mg/L	<0.00050	0.0010	0.00050	08/16/18 08:38	
Uranium	mg/L	<0.00050	0.0010	0.00050	08/16/18 08:38	

LABORATORY CONTROL SAMPLE: 2539520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	.5	0.52	105	85-115	
Antimony	mg/L	.05	0.051	102	85-115	
Arsenic	mg/L	.05	0.051	103	85-115	
Copper	mg/L	.05	0.051	102	85-115	
Lead	mg/L	.05	0.052	104	85-115	
Selenium	mg/L	.05	0.051	101	85-115	
Thallium	mg/L	.05	0.052	103	85-115	
Uranium	mg/L	.05	0.054	109	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2539521 2539522

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Spike Conc.	Result	Spike Conc.	Result							
Aluminum	mg/L	0.0072U	.5	.5	0.51	0.52	102	104	70-130	2	20	
Antimony	mg/L	0.00082J	.05	.05	0.053	0.054	104	106	70-130	2	20	
Arsenic	mg/L	0.0035	.05	.05	0.055	0.055	103	104	70-130	1	20	
Copper	mg/L	0.0091	.05	.05	0.057	0.058	97	99	70-130	2	20	
Lead	mg/L	0.0027	.05	.05	0.056	0.057	106	109	70-130	3	20	
Selenium	mg/L	0.00083U	.05	.05	0.050	0.052	100	102	70-130	2	20	
Thallium	mg/L	0.0012	.05	.05	0.054	0.056	106	109	70-130	2	20	
Uranium	mg/L	0.0018	.05	.05	0.059	0.061	114	118	70-130	3		

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QUALITY CONTROL DATA

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Parameter	Units	35410989004		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec									
Aluminum	mg/L	<0.0072	.5	.5	0.40	0.48	79	96	70-130	20	20						
Antimony	mg/L	<0.00050	.05	.05	0.043	0.052	85	103	70-130	19	20						
Arsenic	mg/L	<0.00050	.05	.05	0.042	0.050	84	100	70-130	17	20						
Copper	mg/L	0.0021	.05	.05	0.041	0.048	77	92	70-130	17	20						
Lead	mg/L	<0.00064	.05	.05	0.041	0.050	81	99	70-130	19	20						
Selenium	mg/L	<0.00083	.05	.05	0.040	0.048	80	96	70-130	18	20						
Thallium	mg/L	<0.00050	.05	.05	0.044	0.055	88	109	70-130	21	20	R1					
Uranium	mg/L	<0.00050	.05	.05	0.045	0.057	91	114	70-130	23							

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Sample: LA1031007 7AJZ 1031007-011 **Lab ID:** 35410887001 Collected: 08/08/18 11:17 Received: 08/13/18 14:58 Matrix: Drinking Water

PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	2.91U ± 1.25 (2.91) C:NA T:NA	pCi/L	08/27/18 09:02	12587-46-1	
Gross Beta	EPA 900.0	1.12U ± 0.531 (1.12) C:NA T:NA	pCi/L	08/27/18 09:02	12587-47-2	
Radium-226	EPA 903.1	0.747U ± 0.398 (0.747) C:NA T:81%	pCi/L	08/27/18 20:36	13982-63-3	
Radium-228	EPA 904.0	0.801U ± 0.399 (0.801) C:68% T:86%	pCi/L	08/27/18 13:03	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

QC Batch: 310316

Analysis Method: EPA 900.0

QC Batch Method: EPA 900.0

Analysis Description: 900.0 Gross Alpha/Beta

Associated Lab Samples: 35410887001

METHOD BLANK: 1516023

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	-0.224 ± 0.497 (1.61) C:NA T:NA	pCi/L	08/27/18 08:58	
Gross Beta	0.421 ± 0.768 (1.76) C:NA T:NA	pCi/L	08/27/18 08:58	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

QC Batch: 310620

Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1

Analysis Description: 903.1 Radium-226

Associated Lab Samples: 35410887001

METHOD BLANK: 1517324

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.266 ± 0.406 (0.241) C:NA T:86%	pCi/L	08/27/18 20:07	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

QC Batch: 310331

Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0

Analysis Description: 904.0 Radium 228

Associated Lab Samples: 35410887001

METHOD BLANK: 1516044

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.961 ± 0.499 (0.879) C:69% T:74%	pCi/L	08/27/18 13:02	

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QUALIFIERS

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

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.

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.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LDH/OPH/Engineering R7 Ph2/5

Pace Project No.: 35410887

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35410887001	LA1031007 7AJZ 1031007-011	EPA 200.7	469728	EPA 200.7	469753
35410887001	LA1031007 7AJZ 1031007-011	EPA 200.8	469730	EPA 200.8	469754
35410887001	LA1031007 7AJZ 1031007-011	EPA 245.1	473292	EPA 245.1	473492
35410887001	LA1031007 7AJZ 1031007-011	EPA 900.0	310316		
35410887001	LA1031007 7AJZ 1031007-011	EPA 903.1	310620		
35410887001	LA1031007 7AJZ 1031007-011	EPA 904.0	310331		

REPORT OF LABORATORY ANALYSIS

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WO#: 35410887



35410887

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A: Originator

LDH/OPH/Engineering R7
1525 Fairfield Ave., Rm 569
Shreveport LA 71101
John.French@LA.gov

Section B: Project Information

Report To: John Z. French, PE
John.French@LA.gov
PO #: 2000338900
Interim Analysis for LDH/OPH/BR Lab

Section C: Ship to Destination

Pace Analytical Services - Florida
Attn: Bo Garcia
8 East Tower Circle
Ormond Beach, FL 32174
386-676-4810
Bo.Garcia@pacelabs.com

1525 Fairfield Ave., Rm 569
Shreveport LA 71101
John.French@LA.gov

Section D Required Client Information		COLLECTED		# OF CONTAINERS	Pace Project Number Lab ID.
#	SAMPLE ID	COMPOSITE START DATE TIME	COMPOSITE END OR GRAB TIME		
1	LA1031007 7AJZ 1031007-011 KEATCHIE WATER SYSTEM	8/8/2018	11:17	Ph2/5 Set WELL #11, SMYRNA	
2					
3					
4					
5					
6					
7					
8					
9					
10					

RELEASED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
TIFFANY ROBERSON/LDH	10-Aug	12:30	Bo Garcia/Pace	8/13/18	1458	Received on Ice	Y/N	Custody	Y/N	Sealed Cooler	Y/N	Samples Intact	Y/N
					7538		Y/N		Y/N		Y/N		Y/N

Additional Comments:

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: TIFFANY ROBERSON
 SIGNATURE of SAMPLER: *Tiffany Roberson* DATE Signed (MM / DD / YY) 8/10/2018



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 13

Document Revised:
May 30, 2018
Issuing Authority:
Pace Florida Quality Office

WO#: 35410887

(SCUR)

Project # PM: VEG **Due Date:** 09/04/18

Project Manager: CLIENT: LDHOPH

Client:

Date and Initials of person:

Examining contents: Thm

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T338 Date: 8/13/18 Time: 1458 Initials: SBJ2

State of Origin: _____ For WV projects, all containers verified to ≤6 °C

- Cooler #1 Temp. °C 19.6 (Visual) 0 (Correction Factor) 19.6 (Actual) Samples on ice, cooling process has begun
- Cooler #2 Temp. °C 19.7 (Visual) 0 (Correction Factor) 19.7 (Actual) Samples on ice, cooling process has begun
- Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
- Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
- Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
- Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Shipping Method: First Overnight Priority Overnight Standard Overnight Ground International Priority
 Other _____

Billing: Recipient Sender Third Party Credit Card Unknown

Tracking # MASTER # BM DABA / 7729 4141 9024

Custody Seal on Cooler/Box Present: Yes No **Seals intact:** Yes No **Ice:** Wet Blue Dry None

Packing Material: Bubble Wrap Bubble Bags None Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

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

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____

August 28, 2018

Bo Garcia
Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174


RE: Project: 35410887
Pace Project No.: 30262590

Dear Bo Garcia:

Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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 Ferris
carin.ferris@pacelabs.com
724-850-5615
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: 35410887
Pace Project No.: 30262590

Pennsylvania Certification IDs

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
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 #: 9526
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

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SAMPLE SUMMARY

Project: 35410887

Pace Project No.: 30262590

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35410887001	LA1031007 7AJZ 1031007-011	Drinking Water	08/08/18 11:17	08/17/18 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 35410887

Pace Project No.: 30262590

Lab ID	Sample ID	Method	Analysts	Analytes Reported
35410887001	LA1031007 7AJZ 1031007-011	EPA 900.0	NEG	2
		EPA 903.1	MK1	1
		EPA 904.0	JLW	1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 35410887

Pace Project No.: 30262590

Sample: LA1031007 7AJZ 1031007-011 **Lab ID: 35410887001** Collected: 08/08/18 11:17 Received: 08/17/18 09:30 Matrix: Drinking Water

PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Gross Alpha	EPA 900.0	2.91U ± 1.25 (2.91) C:NA T:NA	pCi/L	08/27/18 09:02	12587-46-1	
Gross Beta	EPA 900.0	1.12U ± 0.531 (1.12) C:NA T:NA	pCi/L	08/27/18 09:02	12587-47-2	
Radium-226	EPA 903.1	0.747U ± 0.398 (0.747) C:NA T:81%	pCi/L	08/27/18 20:36	13982-63-3	
Radium-228	EPA 904.0	0.801U ± 0.399 (0.801) C:68% T:86%	pCi/L	08/27/18 13:03	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 35410887

Pace Project No.: 30262590

QC Batch: 310316

Analysis Method: EPA 900.0

QC Batch Method: EPA 900.0

Analysis Description: 900.0 Gross Alpha/Beta

Associated Lab Samples: 35410887001

METHOD BLANK: 1516023

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	-0.224 ± 0.497 (1.61) C:NA T:NA	pCi/L	08/27/18 08:58	
Gross Beta	0.421 ± 0.768 (1.76) C:NA T:NA	pCi/L	08/27/18 08:58	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 35410887

Pace Project No.: 30262590

QC Batch: 310620

Analysis Method: EPA 903.1

QC Batch Method: EPA 903.1

Analysis Description: 903.1 Radium-226

Associated Lab Samples: 35410887001

METHOD BLANK: 1517324

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.266 ± 0.406 (0.241) C:NA T:86%	pCi/L	08/27/18 20:07	

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

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 35410887

Pace Project No.: 30262590

QC Batch: 310331

Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0

Analysis Description: 904.0 Radium 228

Associated Lab Samples: 35410887001

METHOD BLANK: 1516044

Matrix: Water

Associated Lab Samples: 35410887001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.961 ± 0.499 (0.879) C:69% T:74%	pCi/L	08/27/18 13:02	

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

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QUALIFIERS

Project: 35410887

Pace Project No.: 30262590

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.

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.

REPORT OF LABORATORY ANALYSIS

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Chain of Custody

Samples were sent directly to the Subcontracting Laboratory.

State Of Origin: LA

Workorder: 35410887 Workorder Name: LDH/OPH/Engineering R7 Ph2/5

Owner Received Date: 8/13/2018 Results Requested By: 9/4/2018

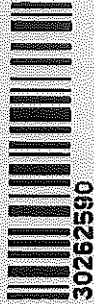
Bo Garcia
Pace Analytical Ormond Beach
8 East Tower Circle
Ormond Beach, FL 32174
Phone (386)672-5668

Pace Analytical Pittsburgh
1638 Roseytown Road
Suites 2, 3, & 4
Greensburg, PA 15601
Phone (724)850-5600

Subcontract To

Requested Analysis

WO#: 30262590



Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		
						HNO3		
1	la1031007 7AJZ 1031007-011	PS	8/8/2018 11:17	35410887001	Drinking	3		
2								
3								
4								
5								

Subbed work within past RAP
Gross Above / CB
Rad note / pas

LAB USE ONLY

001

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	<i>[Signature]</i>	8-15-18 17:00	<i>[Signature]</i>	8-17-18 09:30	
2					
3					

Cooler Temperature on Receipt N/A°C Custody Seal Y or N Received on Ice Y or N Samples Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 13

Document Revised:
May 30, 2018
Issuing Authority:
Pace Florida Quality Office

WO#: 35410887

(SCUR)

Project # PM: VEG
Project Manager: CLIENT: LDHOPH

Due Date: 09/04/18

Date and Initials of person:
Examining contents: mm

Client: 30262590

Thermometer Used: T338 Date: 8/13/18 Time: 1458 Initials: SBQ

State of Origin: For WV projects, all containers verified to $\leq 6^\circ\text{C}$

Cooler #1 Temp. °C 19.6 (Visual) 0 (Correction Factor) 19.6 (Actual) Samples on ice, cooling process has begun
 Cooler #2 Temp. °C 19.7 (Visual) 0 (Correction Factor) 19.7 (Actual) Samples on ice, cooling process has begun
 Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
 Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
 Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
 Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Shipping Method: First Overnight Priority Overnight Standard Overnight Ground International Priority
 Other _____

Billing: Recipient Sender Thrd Party Credit Card Unknown

Tracking # MASTER # BM DABA / 7729 4141 9024

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Ice: Wet Blue Dry None

Packing Material: Bubble Wrap Bubble Bags None Other _____

Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

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

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____

WO#: 35410887

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A: Originator

LDH/OPH/Engineering R7
1525 Fairfield Ave., Rm 569
Shreveport LA 71101
John.French@LA.gov

Section B: Project Information

Report To: John Z. French, PE
John.French@LA.gov
PO #: 2000338900
Interim Analysis for LDH/OPH/BR Lab

Section C: Ship to Destination

Face Analytical Services - Florida
Attn: Bo Garcia
8 East Tower Circle
Ormond Beach, FL 32174
386-676-4810
Bo.Garcia@pacelabs.com

1525 Fairfield Ave., Rm 569
Shreveport LA 71101
John.French@LA.gov

Section D Required Client Information		COLLECTED		RELEASED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS					
#	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COMPOSITE START	COMPOSITE END OR GRAB TIME	DATE	TIME	DATE	TIME	Received on	Custody	Sealed Cooler	Samples
ITEMS										Temp in °C			Intact
1	LA1031007 7AJZ 1031007-011 KEATCHIE WATER SYSTEM	DW	G		8/8/2018 11:17	10-AUG	12:30	8/13/18	1458	19.7	Y/N	Y/N	Y/N
2		DW	G								Y/N	Y/N	Y/N
3		DW	G								Y/N	Y/N	Y/N
4		DW	G								Y/N	Y/N	Y/N
5		DW	G								Y/N	Y/N	Y/N
6		DW	G								Y/N	Y/N	Y/N
7		DW	G								Y/N	Y/N	Y/N
8		DW	G								Y/N	Y/N	Y/N
9		DW	G								Y/N	Y/N	Y/N
10		DW	G								Y/N	Y/N	Y/N
# of Ice Chests in this Shipment 2		TIFFANY ROBERSON/LDH		DATE 10-AUG TIME 12:30		DATE 8/13/18 TIME 1458		DATE 8/13/18 TIME 1458		DATE 8/13/18 TIME 1458		DATE 8/13/18 TIME 1458	
Ice Chest (No. of)													

30262590

Additional Comments:

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: TIFFANY ROBERSON
 SIGNATURE of SAMPLER: *Tiffany Roberson*
 DATE Signed (MM/DD/YY) 8/10/2018

Pittsburgh Lab Sample Condition Upon Receipt

Face Analytical

Client Name: PACE FL

Project # 30262590

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 4525 3215 6415

Label	<u>BM</u>
LIMS Login	<u>BM</u>

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

Thermometer Used N/A 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: <u>ET 8-17-18</u>
	Yes	No	N/A	
Chain of Custody Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/>	<input 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>WT</u>				
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Short Hold Time Analysis (<72hr remaining):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11.
Orthophosphate field filtered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12.
Hex Cr Aqueous Compliance/NPDES sample field filtered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.
Organic Samples checked for dechlorination:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15.
All containers have been checked for preservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>PHL2</u>
exceptions: VOA, coliform, TOC, O&G, Phenolics				Initial when completed: <u>ET</u> Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17.
Trip Blank Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rad Aqueous Samples Screened > 0.5 mrem/hr	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Initial when completed: <u>ET</u> Date: <u>8-17-18</u>

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.