School Name: Brooks Global	**Report Date (s): 6/17/19; 8/19/19**
Date Test Conducted: 5/3/19	**Date Results Received:** 5/14/19; 6/1/19
Number of Faucets Tested: 19 (all GCS identified faucets used for drinking/food preparation)	
Lead Results	**Copper Results**
Results 15 ppb and above: 1	**Results 1.3 ppm and above:** 0
Results 10 ppb to below 15 ppb: 0	**Detectable results below 1.3 ppm:** 19
Detectable results below 10 ppb: 1	**Results below detection level:** 0
Results below detection level: 17	

Number of Faucets Requiring Remedial Action: 1

Location of Faucet	Action Taken
Sample ID: BGS-005 Location description: Kitchen Ice Maker The water line to the ice machine was disconnected and a cut-off valve was installed to facilitate flushing. ECS recommended removing the valve and reconnecting the ice machine. The ice maker was emptied of ice and allowed to recharge. A sample was then collected from the recharged ice.	X Temporarily Taken Out of Service: 5/15/19 __ Permanently Taken Out of Service: mm/dd/yyyy __ Flush Tested: mm/dd/yyyy Flush Test Result: #### x Replaced: 5/17/19 x Retest: 5/21/19 Retest Result: 6/1/19: ND (Lead) __ Other: _____mm/dd/yyyy x Placed Back in Service on: 6/4/19

Daily School-Wide Flushing:

__ Continue with protocol

__ Discontinue flushing protocol: mm/dd/yyyy

_X_ Other (Describe: Perform Periodic Flushing)

This is a summary report prepared by ECS. ECS suggests that the full report be referred to with regards to findings, recommendations, and technical limitations for this sampling event.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

May 14, 2019

Ryan Abrahamson
ECS Greensboro

,

RE: Project: LEAD AND COPPER
Pace Project No.: 92427872

Dear Ryan Abrahamson:
Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2019. 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,

Taylor Ezell
taylor.ezell@pacelabs.com
(704)875-9092
Project Manager

Enclosures

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: LEAD AND COPPER
Pace Project No.: 92427872

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: LEAD AND COPPER
Pace Project No.: 92427872

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92427872001	**BGS-001**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872002	**BGS-002**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872003	**BGS-003**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872004	**BGS-004**	EPA 200.8 Rev 5.4	JOR	2	PASI-A
92427872005	**BGS-005**	EPA 200.8 Rev 5.4	JOR	2	PASI-A
92427872006	**BGS-006**	EPA 200.8 Rev 5.4	JOR	2	PASI-A
92427872007	**BGS-007**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872008	**BGS-008**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872009	**BGS-009**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872010	**BGS-010**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872011	**BGS-011**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872012	**BGS-012**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872013	**BGS-013**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872014	**BGS-014**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872015	**BGS-015**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872016	**BGS-016**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872017	**BGS-017**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872018	**BGS-018**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92427872019	**BGS-019**	EPA 200.8 Rev 5.4	SER	2	PASI-A

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LEAD AND COPPER
Pace Project No.: 92427872

Sample: BGS-001 **Lab ID: 92427872001** Collected: 05/02/19 06:37 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**79.3**	ug/L	5.0	1		05/09/19 16:47	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 16:47	7439-92-1	

Sample: BGS-002 **Lab ID: 92427872002** Collected: 05/02/19 06:38 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**60.8**	ug/L	5.0	1		05/09/19 16:50	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 16:50	7439-92-1	

Sample: BGS-003 **Lab ID: 92427872003** Collected: 05/02/19 06:40 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**54.9**	ug/L	5.0	1		05/09/19 16:53	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 16:53	7439-92-1	

Sample: BGS-004 **Lab ID: 92427872004** Collected: 05/02/19 06:42 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**103**	ug/L	5.0	1		05/14/19 12:30	7440-50-8	
Lead	ND	ug/L	3.0	1		05/14/19 12:30	7439-92-1	

Sample: BGS-005 **Lab ID: 92427872005** Collected: 05/02/19 06:44 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**217**	ug/L	5.0	1		05/14/19 12:33	7440-50-8	
Lead	**20.6**	ug/L	3.0	1		05/14/19 12:33	7439-92-1	

Sample: BGS-006 **Lab ID: 92427872006** Collected: 05/02/19 06:45 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**98.0**	ug/L	5.0	1		05/14/19 12:36	7440-50-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

ANALYTICAL RESULTS

Project: LEAD AND COPPER
Pace Project No.: 92427872

Sample: BGS-006 **Lab ID: 92427872006** Collected: 05/02/19 06:45 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Lead	ND	ug/L	3.0	1		05/14/19 12:36	7439-92-1	

Sample: BGS-007 **Lab ID: 92427872007** Collected: 05/02/19 07:20 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**33.5**	ug/L	5.0	1		05/09/19 21:42	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 21:42	7439-92-1	

Sample: BGS-008 **Lab ID: 92427872008** Collected: 05/02/19 06:48 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**34.3**	ug/L	5.0	1		05/10/19 03:26	7440-50-8	
Lead	ND	ug/L	3.0	1		05/10/19 03:26	7439-92-1	

Sample: BGS-009 **Lab ID: 92427872009** Collected: 05/02/19 06:49 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**68.8**	ug/L	5.0	1		05/10/19 03:23	7440-50-8	
Lead	ND	ug/L	3.0	1		05/10/19 03:23	7439-92-1	

Sample: BGS-010 **Lab ID: 92427872010** Collected: 05/02/19 06:53 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**68.2**	ug/L	5.0	1		05/10/19 03:29	7440-50-8	
Lead	ND	ug/L	3.0	1		05/10/19 03:29	7439-92-1	

Sample: BGS-011 **Lab ID: 92427872011** Collected: 05/02/19 06:59 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**60.3**	ug/L	5.0	1		05/10/19 03:32	7440-50-8	
Lead	ND	ug/L	3.0	1		05/10/19 03:32	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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ANALYTICAL RESULTS

Project: LEAD AND COPPER
Pace Project No.: 92427872

Sample: BGS-012 **Lab ID: 92427872012** Collected: 05/02/19 07:01 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**85.0**	ug/L	5.0	1		05/09/19 20:23	7440-50-8	
Lead	**3.7**	ug/L	3.0	1		05/09/19 20:23	7439-92-1	

Sample: BGS-013 **Lab ID: 92427872013** Collected: 05/02/19 06:55 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**52.8**	ug/L	5.0	1		05/09/19 20:26	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 20:26	7439-92-1	

Sample: BGS-014 **Lab ID: 92427872014** Collected: 05/02/19 06:51 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**78.0**	ug/L	5.0	1		05/09/19 20:29	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 20:29	7439-92-1	

Sample: BGS-015 **Lab ID: 92427872015** Collected: 05/02/19 07:04 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**43.2**	ug/L	5.0	1		05/09/19 20:32	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 20:32	7439-92-1	

Sample: BGS-016 **Lab ID: 92427872016** Collected: 05/02/19 07:09 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**31.4**	ug/L	5.0	1		05/09/19 20:35	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 20:35	7439-92-1	

Sample: BGS-017 **Lab ID: 92427872017** Collected: 05/02/19 07:11 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**32.7**	ug/L	5.0	1		05/09/19 20:44	7440-50-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LEAD AND COPPER
Pace Project No.: 92427872

Sample: BGS-017 **Lab ID: 92427872017** Collected: 05/02/19 07:11 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Lead	ND	ug/L	3.0	1		05/09/19 20:44	7439-92-1	

Sample: BGS-018 **Lab ID: 92427872018** Collected: 05/02/19 07:15 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**113**	ug/L	5.0	1		05/09/19 20:59	7440-50-8	
Lead	ND	ug/L	3.0	1		05/09/19 20:59	7439-92-1	

Sample: BGS-019 **Lab ID: 92427872019** Collected: 05/02/19 07:16 Received: 05/03/19 10:27 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**68.4**	ug/L	5.0	1		05/10/19 03:35	7440-50-8	
Lead	ND	ug/L	3.0	1		05/10/19 03:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: LEAD AND COPPER
Pace Project No.: 92427872

QC Batch: 474150 Analysis Method: EPA 200.8 Rev 5.4
QC Batch Method: EPA 200.8 Rev 5.4 Analysis Description: 200.8 MET Drinking Water, No Prep
Associated Lab Samples: 92427872001, 92427872002, 92427872003, 92427872004, 92427872005, 92427872006, 92427872007, 92427872008, 92427872009, 92427872010, 92427872011, 92427872012, 92427872013, 92427872014, 92427872015, 92427872016

METHOD BLANK: 2570706 Matrix: Water
Associated Lab Samples: 92427872001, 92427872002, 92427872003, 92427872004, 92427872005, 92427872006, 92427872007, 92427872008, 92427872009, 92427872010, 92427872011, 92427872012, 92427872013, 92427872014, 92427872015, 92427872016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	5.0	05/09/19 16:18	
Lead	ug/L	ND	3.0	05/09/19 16:18	

LABORATORY CONTROL SAMPLE: 2570707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	49.5	99	85-115	
Lead	ug/L	50	49.5	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2570708 2570709

Parameter	Units	92427871019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Copper	ug/L	110	50	50	162	155	104	91	70-130	4	
Lead	ug/L	ND	50	50	48.2	47.6	96	95	70-130	1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2570710 2570711

Parameter	Units	92427872007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Copper	ug/L	33.5	50	50	78.8	79.1	91	91	70-130	0	
Lead	ug/L	ND	50	50	44.7	46.1	89	92	70-130	3	

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, LLC
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QUALITY CONTROL DATA

Project: LEAD AND COPPER
Pace Project No.: 92427872

QC Batch: 474152 Analysis Method: EPA 200.8 Rev 5.4
QC Batch Method: EPA 200.8 Rev 5.4 Analysis Description: 200.8 MET Drinking Water, No Prep
Associated Lab Samples: 92427872017, 92427872018, 92427872019

METHOD BLANK: 2570716 Matrix: Water
Associated Lab Samples: 92427872017, 92427872018, 92427872019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	5.0	05/09/19 20:38	
Lead	ug/L	ND	3.0	05/09/19 20:38	

LABORATORY CONTROL SAMPLE: 2570717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	48.7	97	85-115	
Lead	ug/L	50	49.3	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2570718 2570719

Parameter	Units	92427872017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Copper	ug/L	32.7	50	50	79.5	77.9	94	90	70-130	2	
Lead	ug/L	ND	50	50	49.2	50.2	98	100	70-130	2	

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, LLC
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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: LEAD AND COPPER
Pace Project No.: 92427872

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEAD AND COPPER
Pace Project No.: 92427872

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92427872001	**BGS-001**	EPA 200.8 Rev 5.4	474150		
92427872002	**BGS-002**	EPA 200.8 Rev 5.4	474150		
92427872003	**BGS-003**	EPA 200.8 Rev 5.4	474150		
92427872004	**BGS-004**	EPA 200.8 Rev 5.4	474150		
92427872005	**BGS-005**	EPA 200.8 Rev 5.4	474150		
92427872006	**BGS-006**	EPA 200.8 Rev 5.4	474150		
92427872007	**BGS-007**	EPA 200.8 Rev 5.4	474150		
92427872008	**BGS-008**	EPA 200.8 Rev 5.4	474150		
92427872009	**BGS-009**	EPA 200.8 Rev 5.4	474150		
92427872010	**BGS-010**	EPA 200.8 Rev 5.4	474150		
92427872011	**BGS-011**	EPA 200.8 Rev 5.4	474150		
92427872012	**BGS-012**	EPA 200.8 Rev 5.4	474150		
92427872013	**BGS-013**	EPA 200.8 Rev 5.4	474150		
92427872014	**BGS-014**	EPA 200.8 Rev 5.4	474150		
92427872015	**BGS-015**	EPA 200.8 Rev 5.4	474150		
92427872016	**BGS-016**	EPA 200.8 Rev 5.4	474150		
92427872017	**BGS-017**	EPA 200.8 Rev 5.4	474152		
92427872018	**BGS-018**	EPA 200.8 Rev 5.4	474152		
92427872019	**BGS-019**	EPA 200.8 Rev 5.4	474152		

Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:
Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐

Sample Condition Upon Receipt

Client Name: ECS Greensboro **Project #:**

WO# : 92427872

92427872

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Date/Initials Person Examining Contents: TF 5/3/19

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☐ IR Gun ID: 92T048

Type of Ice: ☐ Wet ☐ Blue ☑ None

Cooler Temp (°C): 22.5 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 22.5

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: TF Date: 5/6

Project Manager SRF Review: TF Date: 5/6

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottle**

Project # **WO# : 92427872**

PM: PTE Due Date: 05/14/19

CLIENT: 92-ECS GBORO

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH(>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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.

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottle**

Project: **WO#: 92427872**

PM: PTE Due Date: 05/14/19

CLIENT: 92-ECS GBORO

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH(>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:	Section C Invoice Information:
Company: ECS Greensboro		Report To: Abrahamson, Ryan	Attention:
Address: 4811 Koger Blvd		Copy To:	Company Name:
Greensboro, NC 27407			Address:
Email:		Purchase Order #:	Pace Quote:
Phone:	Fax	Project Name: Lead and Copper	Pace Project Manager: taylor.ezell@pacelabs.com,
Requested Due Date:		Project #:	Pace Profile #: 1834-5

Regulatory Agency
State / Location
NC

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

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Lead and Copper	Residual Chlorine (Y/N)	92427872
1	BGS-001	DW	G	5/2/19	6:37			1											Y		001
2	BGS-002				6:38																002
3	BGS-003				6:40																003
4	BGS-004				6:42																004
5	BGS-005				6:44																005
6	BGS-006				6:45																006
7	BGS-007				7:20																007
8	BGS-008				6:48																008
9	BGS-009				6:49																009
10	BGS-010				6:53																010
11	BGS-011				6:59																011
12	BGS-012				7:01																012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	5/3/19		[signature]	5/3/19	10:27				
	[signature]	5/3/19	16:10	[signature]	5-3-19	1610	22.4	N	N	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Watkins

SIGNATURE of SAMPLER: [signature] DATE Signed: 5/2/19

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	ECS Greensboro	Report To:	Abrahamson, Ryan	Attention:	
Address:	4811 Koger Blvd	Copy To:		Company Name:	
Greensboro, NC 27407				Address:	Regulatory Agency
Email:		Purchase Order #:		Pace Quote:	
Phone:	Fax	Project Name:	Lead and Copper	Pace Project Manager:	taylor.ezell@pacelabs.com, State / Location
Requested Due Date:		Project #:		Pace Profile #:	1834-5 NC

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Lead and Copper	Residual Chlorine (Y/N)	42427472
1	BGS - 013	DW	G	5/2/19	6:55				1									Y			013
2	BGS - 014				6:51																014
3	BGS - 015				7:04																015
4	BGS - 016				7:09																016
5	BGS - 017				7:11																017
6	BGS - 018				7:15																018
7	BGS - 019				7:16																019
8																					
9																					
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		5/3/19	10:30		5/3/19	10:07				
		5/3/19	1610		5-3-19	1610	22.5	N	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tyler Watkins

SIGNATURE of SAMPLER: Tyler Watkins DATE Signed: 5/2/19

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

June 01, 2019

John Lair
ECS Limited, LLC

,

RE: Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

Dear John Lair:
Enclosed are the analytical results for sample(s) received by the laboratory on May 23, 2019. 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,

Taylor Ezell
taylor.ezell@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Ryan Abrahamson, ECS Greensboro

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

Asheville Certification IDs

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92430424001	**017-R1**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92430424002	**005-R1**	EPA 200.8 Rev 5.4	SER	2	PASI-A
92430424003	**135-R1**	EPA 200.8 Rev 5.4	SER	2	PASI-A

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SUMMARY OF DETECTION

Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92430424001	**017-R1**					
EPA 200.8 Rev 5.4	Copper	22.6	ug/L	5.0	06/01/19 00:05	
92430424003	**135-R1**					
EPA 200.8 Rev 5.4	Copper	25.4	ug/L	5.0	06/01/19 00:15	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

Sample: 017-R1 **Lab ID: 92430424001** Collected: 05/21/19 15:40 Received: 05/23/19 10:25 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**22.6**	ug/L	5.0	1		06/01/19 00:05	7440-50-8	
Lead	ND	ug/L	3.0	1		06/01/19 00:05	7439-92-1	

Sample: 005-R1 **Lab ID: 92430424002** Collected: 05/21/19 15:30 Received: 05/23/19 10:25 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	ND	ug/L	5.0	1		06/01/19 00:12	7440-50-8	
Lead	ND	ug/L	3.0	1		06/01/19 00:12	7439-92-1	

Sample: 135-R1 **Lab ID: 92430424003** Collected: 05/22/19 15:30 Received: 05/23/19 10:25 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS DW, No Prep	Analytical Method: EPA 200.8 Rev 5.4							
Copper	**25.4**	ug/L	5.0	1		06/01/19 00:15	7440-50-8	
Lead	ND	ug/L	3.0	1		06/01/19 00:15	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

QC Batch: 478544 Analysis Method: EPA 200.8 Rev 5.4
QC Batch Method: EPA 200.8 Rev 5.4 Analysis Description: 200.8 MET Drinking Water, No Prep
Associated Lab Samples: 92430424001, 92430424002, 92430424003

METHOD BLANK: 2590488 Matrix: Water
Associated Lab Samples: 92430424001, 92430424002, 92430424003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	5.0	05/31/19 22:55	
Lead	ug/L	ND	3.0	05/31/19 22:55	

LABORATORY CONTROL SAMPLE: 2590489

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	50.2	100	85-115	
Lead	ug/L	50	49.5	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2590490 2590491

Parameter	Units	92430884001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Copper	ug/L	222	50	50	269	269	95	93	70-130	0	
Lead	ug/L	19.1	50	50	69.2	69.6	100	101	70-130	1	

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, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LEAD AND COPPER SEDGEFIELD
Pace Project No.: 92430424

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92430424001	**017-R1**	EPA 200.8 Rev 5.4	478544		
92430424002	**005-R1**	EPA 200.8 Rev 5.4	478544		
92430424003	**135-R1**	EPA 200.8 Rev 5.4	478544		

Pace Analytical®	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐

Sample Condition Upon Receipt

Client Name: LaBella Associates

Project WO# : 92430424

92430424

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No

Date/Initials Person Examining Contents: AM 5/23/19

AM 5/23

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92T048 **Type of Ice:** ☑ Wet ☐ Blue ☐ None

Cooler Temp (°C): 0.5 **Correction Factor:** Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 0.5

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: TR **Date:** 5/24

Project Manager SRF Review: TR **Date:** 5/24

***Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

****Bottom half of box is to list number of bottle**

Project # **WO# : 92430424**

PM: PTE Due Date: 06/04/19

CLIENT: 92-ECS

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

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Address:	4811 Koger Blvd	Copy To:		Company Name:	
Greensboro, NC 27407				Address:	
Email:		Purchase Order #:		Pace Quote:	
Phone:	Fax	Project Name:	Lead and Copper Sedgefield, Brand Glen	Pace Project Manager:	taylor.ezell@pacelabs.com,
Requested Due Date:		Project #:	49-5287-A	Pace Profile #:	1834-5

Regulatory Agency

State / Location: NC

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N: Lead and Copper	Residual Chlorine (Y/N)	42430424
1	017-R1		G			5/21/19	340		1	X								X		001
2	005-R1 *Rush		1			5/21/19	330		1	1								1		*Rush 002
3	135-R1		1			5/22/19	330		1	1								1		[redacted] 003
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Please Rush 005-R1	[signature]	5/23/19		[signature]	05/23/19	1005
	[signature]	05/23/19	1410	[signature] FedEx	5/23/19	1410

SAMPLE CONDITIONS			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
05	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chad Hollandsworth

SIGNATURE of SAMPLER: [signature] DATE Signed: 5/23/19