

November 22, 2016

Jeremy Miller
Maintenance Manager
Department of Administrative Services
Enterprise Asset Management Division
1225 Ferry Street SE
Salem, Oregon 97301

Via email: Jeremy.W.MILLER@oregon.gov

Regarding: Drinking Water Sampling for Lead

Public Service Building 255 Capitol Street NE Salem, Oregon 97301

PBS Project # 25103.003 Phase 0022

Dear Mr. Miller:

On October 14 and 15, 2016, PBS Engineering and Environmental Inc. (PBS) performed drinking water sampling at Public Service Building located at 255 Capitol Street NE in Salem, Oregon. The testing was requested by State of Oregon Department of Administrative Services in an effort to ensure that concentrations of lead in drinking water remain below the EPA action level.

Sampling methodology and the interpretation of laboratory results were based on the EPA Lead and Copper Rule (LCR). Following LCR sampling guidelines, PBS collected the first 1000 milliliters (mL) of water from each test location (first draw) early in the morning following an overnight stagnation period. The LCR's stagnation period, and sampling protocol specifying the first 1000 mL samples, is designed to maximize the likelihood that the highest concentrations of lead are identified in water used for consumption. At each sample location, immediately following first draw sampling, a flush sample was collected after the water had been allowed to run for 30 seconds.

The water sampling process was supervised by a certified industrial hygienist (CIH) who is also an Oregon Health Authority certified lead risk assessor.

The action level set by the EPA for lead is 15 parts per billion (ppb). If the action level is exceeded in more than 10 percent of taps sampled, then action must be taken to control plumbing-material corrosion.

Fifty-two first draw and flush drinking water samples were collected and delivered under chain of custody to BSK Laboratories in Vancouver, Washington for lead analysis. Initially, only first draw samples were analyzed. Any first draw sample that exceeded the EPA action level for lead had its associated flush sample analyzed.

Lead concentrations in all of the first draw samples were undetectable according to laboratory analysis, indicating that all of these drinking water samples contained lead well below the EPA action level of 15 ppb.

The following table presents all first draw sample locations and lead concentrations in ppb.

First Draw Drinking Water Sample Locations and Lead Concentrations

Sample Number	Sample Location	Lead Concentration (ppb)
SK-PSB-001-FD	Kitchenette fifth floor south kitchen sink audits division	ND
WF-PSB-003-FD	Water fountain fifth floor upper audits division adjacent to women's room	ND
WF-PSB-005-FD	Water fountain fifth floor lower audits division adjacent to women's room	ND
SK-PSB-007-FD	Kitchenette fifth floor north kitchen sink audits division	ND
SK-PSB-009-FD	Kitchenette fourth floor south kitchen sink education department	ND
WF-PSB-011-FD	Water fountain fourth floor upper education department adjacent to women's room	ND
WF-PSB-013-FD	Water fountain fourth floor lower education department adjacent to women's room	ND
SK-PSB-015-FD	Kitchenette fourth floor south education department	ND
SK-PSB-017-FD	Kitchenette third floor south education department	ND
WF-PSB-019-FD	Water fountain third floor upper adjacent to women's bathroom	ND
WF-PSB-021-FD	Water fountain third floor lower adjacent to women's bathroom	ND
SK-PSB-023-FD	Kitchenette third floor north education department	ND
SK-PSB-025-FD	Kitchenette second floor south office of student services	ND
WF-PSB-027-FD	Water fountain second floor upper adjacent to women's bathroom	ND
WF-PSB-029-FD	Water fountain second floor lower adjacent to women's bathroom	ND
SK-PSB-031-FD	Kitchenette seco9nd floor north kitchen sink	ND
SK-PSB-033-FD	Kitchenette first floor south kitchen sink secretary of state department	ND
WF-PSB-035-FD	Water fountain first floor upper outside of secretary of state department across from women's room	ND
WF-PSB-037-FD	Water fountain first floor lower outside of secretary of state department across from women's room	ND
SK-PSB-039-FD	Room 105 kitchenette first floor kitchen sink secretary of state, HR	ND
SK-PSB-041-FD	Kitchenette basement kitchen sink adjacent to conference room C	ND
WF-PSB-043-FD	Water fountain basement upper hallway adjacent to elevators	ND

Sample Number	Sample Location	Lead Concentration (ppb)
WF-PSB-045-FD	Water fountain basement lower hallway adjacent to elevators	ND
WF-PSB-047-FD	Water fountain basement custodial office	ND
SK-PSB-049-FD	Cafe kitchen sink 1	ND
SK-PSB-051-FD	Cafe kitchen sink 2	ND

ND: None Detected

Please refer to the attached Chain of Custody form and laboratory data for greater details. It should be noted that quality control (QC) sample results are included at the end of laboratory information. The QC samples are both laboratory blanks and spiked samples used internally by the laboratory to assess accuracy.

Please feel free to contact me at 503.417.7602 or derek.may@pbsenv.com with any questions or comments.

Sincerely,

PBS Engineering and Environmental Inc.

Derek May, Principal

S. Dul sky

Attachments: Laboratory Results
Chain of Custody Form

DM::bmp

The information contained in this document is proprietary and shall not be duplicated, used, or disclosed in whole or in part to other parties without the permission of PBS.



Derek May PBS Environmental 4412 SW Corbett Ave Portland, OR 97239

RE: Report for A6J2088 Oregon DAS - Lead

Dear Derek May,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 10/17/2016. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, Debra Karlsson, at 559-497-2888.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Debra Karlsson, Project Coordinator



Accredited in Accordance with NELAP ORELAP #4021





Case Narrative

Project and Report Details Invoice Details

Client: PBS Environmental Invoice To: PBS Environmental Report To: Derek May Invoice Attn: Accounts Payable

Project #: Public Service Building #25103.003 PH 22 Project PO#: -

Received: 10/17/2016 - 16:30 **Report Due:** 10/31/2016

•

Sample Receipt Conditions

Cooler:Default CoolerContainers IntactTemperature on Receipt °C:20.5COC/Labels Agree

Received with no thermal preservation. Sample(s) split after receipt at the laboratory.

Initial receipt at BSK-VAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s) Report Format CC:

Derek May FINAL.RPT





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-01

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sampled By: Client

Sample Type: First Draw

Sample Description: SK-PSB-001-FD // Kitchenette 5th Floor South kitchen sink

Audits Division

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-03 Sampled By: Client Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Description: WF-PSB-003-FD // Water fountain 5th Floor upper Audits

Sample Type: First Draw

Division adjacent to women's room

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-05 Sampled By: Client Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Sample Description: WF-PSB-005-FD // Water fountain 5th Floor lower Audits Division adjacent to women's room

BSK Associates Fresno Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qua	al
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	

www.BSKAssociates.com





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-07

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sampled By: Client

Sample Type: First Draw

Sample Description: SK-PSB-007-FD // Kitchenette 5th Floor North kitchen sink

Audits Divsion

	Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
•	Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-09

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sampled By: Client

Sample Description: SK-PSB-009-FD // Kitchenette 4th Floor South kitchen sink

Education Dept

Sample Type: First Draw

BSK Associates Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-11

Sample Date - Time: 10/14/16 - 00:00

Madain D

Matrix: Drinking Water

Sampled By: Client

Sample Description: WF-PSB-011-FD // Water fountain 4th Floor upper Education

Sample Type: First Draw

Dept adjacent to women's room

BSK Associates Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-13

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Sampled By: Client

Sample Description: WF-PSB-013-FD // Water fountain 4th Floor lower Education

Dept adjacent to women's room

	Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
•	Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-15 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: SK-PSB-015-FD // Kitchenette 4th Floor South Education Dept

Sample Type: First Draw

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qua	al
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-17 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: SK-PSB-017-FD // Kitchenette 3rd Floor South Education Dept

Sample Type: First Draw

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-19

Sample Date - Time: 10/14/16 - 00:00

.....

Matrix: Drinking Water

Sampled By: Client

Sample Type: First Draw

Sample Description: WF-PSB-019-FD // Water fountain 3rd Floor upper adjacent to

women's bathroom

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qua	al
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-21

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Sampled By: Client

Sample Description: WF-PSB-021-FD // Water fountain 3rd Floor lower adjacent to

women's bathroom

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-23 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: SK-PSB-023-FD // Kitchenette 3rd Floor North Education Dept

Sample Type: First Draw

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-25 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: SK-PSB-025-FD // Kitchenette 2nd Floor South Office of Student

Sample Type: First Draw

Services

	Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
•	Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-27 Sampled By: Client

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Sample Description: WF-PSB-027-FD // Water fountain 2nd Floor upper adjacent to

women's bathroom

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-29 Sampled By: Client Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Description: WF-PSB-029-FD // Water fountain 2nd Floor lower adjacent to

Sample Type: First Draw

women's bathroom

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qua	al
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-31 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: SK-PSB-031-FD // Kitchenette 2nd Floor North kitchen sink

Sample Type: First Draw

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-33

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Sampled By: Client

Sample Description: SK-PSB-033-FD // Kitchenette 1st Floor South kitchen sink

Secretary of State Dept

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-35 Sampled By: Client Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Sample Description: WF-PSB-035-FD // Water fountain 1st Floor upper outside of Secretary of State Dept across from women's room

BSK Associates Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-37 Sampled By: Client Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Description: WF-PSB-037-FD // Water fountain 1st Floor lower outside of

Sample Type: First Draw

Secretary of State Dept across from women's room

BSK Associates Fresno

Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-39 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: SK-PSB-039-FD // Room 105 Kitchenette 1st Floor kitchen sink

Sample Type: First Draw

Secretary of State, HR

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614536	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-41 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: SK-PSB-041-FD // Kitchenette basement kitchen sink adjacent

Sample Type: First Draw

to conference room C

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614537	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-43 Sampled By: Client Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Description: WF-PSB-043-FD // Water fountain basement upper hallway

Sample Type: First Draw

adjacent to elevators

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614537	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-45 Sampled By: Client

Sample Date - Time: 10/14/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Sample Description: WF-PSB-045-FD // Water fountain basement lower hallway

adjacent to elevators

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614537	10/21/16	10/21/16	





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J2088-47 **Sample Date - Time:** 10/14/16 - 00:00 Sampled By: Client

Matrix: Drinking Water

Sample Description: WF-PSB-047-FD // Water fountain basement custodial office

Sample Type: First Draw

BSK Associates Fresno Metals

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A614537	10/21/16	10/21/16

www.BSKAssociates.com



BSK Associates Fresno Metals Quality Control Report

	.,				Report		0/ 250				
Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
				uality Co	ntrol						
Batch: A614536										Prepared:	10/21/2016
Prep Method: EPA 200.2 - Pb/Cu Rule										Ar	alyst: GNG
Blank (A614536-BLK1)											
Lead	ND	0.0010	mg/L							10/21/16	
Blank Spike (A614536-BS1)											
ead	0.11	0.0010	mg/L	0.10		107	85-115			10/21/16	
Blank Spike Dup (A614536-BSD1)											
Lead	0.11	0.0010	mg/L	0.10		107	85-115	0	20	10/21/16	
Matrix Spike (A614536-MS1), Source: A	6J2088-01										
ead	0.11	0.0010	mg/L	0.10	ND	107	70-130			10/21/16	
Matrix Spike (A614536-MS2), Source: A	6J2088-21										
Lead	0.11	0.0010	mg/L	0.10	ND	105	70-130			10/21/16	
Matrix Spike Dup (A614536-MSD1), Sou	rce: A6J2088-01										
ead	0.11	0.0010	mg/L	0.10	ND	108	70-130	1	20	10/21/16	
Matrix Spike Dup (A614536-MSD2), Sou	rce: A6J2088-21										
ead	0.11	0.0010	mg/L	0.10	ND	105	70-130	0	20	10/21/16	
		EPA 20	00.8 - Q	uality Co	ntrol						
Batch: A614537				•						Prepared:	10/21/2016
Prep Method: EPA 200.2 - Pb/Cu Rule										Ar	alyst: GNG
Blank (A614537-BLK1)											
Lead	ND	0.0010	mg/L							10/21/16	
Blank Spike (A614537-BS1)											
Lead	0.11	0.0010	mg/L	0.10		108	85-115			10/21/16	
Blank Spike Dup (A614537-BSD1)											
Lead	0.11	0.0010	mg/L	0.10		108	85-115	0	20	10/21/16	
Matrix Spike (A614537-MS1), Source: A	6J2088-41										
Lead	0.21	0.0020	mg/L	0.20	ND	104	70-130			10/21/16	
Matrix Spike (A614537-MS2), Source: A	6J2495-01										
_ead	0.21	0.0020	mg/L	0.20	ND	106	70-130			10/21/16	
Matrix Spike Dup (A614537-MSD1), Sou	rce: A6J2088-41										
_ead	0.21	0.0020	mg/L	0.20	ND	104	70-130	0	20	10/21/16	
Matrix Spike Dup (A614537-MSD2), Sou	rce: A6J2495-01										

A6J2088 FINAL 10252016 1749

Printed: 10/25/2016

QA-RP-0001-10 Final.rpt

NA

C824-16



Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- · (1) Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- · RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
μg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
μg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

WA100008-008

BSK is not accredited under the NELAP program for the following parameters:

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno			
State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792016-1	State of Oregon - NELAP	4021
EPA - UCMR3	CA00079	State of Washington	C997-16
Sacramento			
State of California - ELAP	2435		
San Bernardino			
State of California - ELAP	2993	State of Oregon - NELAP	4119-001

A6J2088 FINAL 10252016 1749

Printed: 10/25/2016

Vancouver

State of Oregon - NELAP

QA-RP-0001-10 Final.rpt

State of Washington



Engineering + Environmental

A6J2088 PBSEN1939



10/17/2016



25103.003

FACILITY NAME: PUBLIC SERVICE BUILDING	PROJECT #: PH 23
ANALYSIS REQUESTED: LEAD (PB) IN DRINKING WATER COPPER (CU) IN DRINKING WATER	DATE: 10(14)16
RELINQ'D BY/SIGNATURE: Mike Golden With Merceived BY/SIGNATURE: Suna Kangell	DATE/TIME: 10/17/16 1630
EMAIL RESULTS TO: derek may Ppbsenv. com	TURN AROUND TIME: 7-10 days

			1	
LAB	SAMPLE#	BUILDING	ROOM	LOCATION IN ROOM
Y	5K-PSB-001-FD			Kitchenesse, 5th Floor, South
2	SK- PSB- 002-FL			Kitchen Sink (Ardres Mirision)
3	UF - P38 - 003 - FO			water Fountain, 5th Floor, Upper
4	WF-P38-004-FL			water Fountain, 5th Floor, Upper Andits Division, ordinant to the P
5	WF- PSB- 005-FO			worker Fountain 5th Floor, Lower
6	WF- 958 006 -PC			Audits Division, adjacent to 12 2 20000
7	SK- PSB-007-FO			Kitchemette 5th Floor North
8	6K-958-008-FL			Kitchen Sink (Audits Division)
9	5K-PSB- 009- FD			Kitchnette, 4th Floor South
10	36-P58-010-FL			MITCHEN SINK (Education Dept)
<u>ll</u>	WF- PSB- 011-FD			Water Fourtain 4th Floor Upper Education Depit, adjacent to womans ro
12	WF-P58-012-FL			Education Opit, adjacent to womans to
13	WF-PSB-013-FD			Waser Fountain 4th Floor, Cower
14	WF-PS&DIY-FL			GOVERNOUS DED + adjacent to LOOMERS
15	SK- PSB-015-FD	a man a company		Kitchenette 4th Floor North Edvantion Opp't
16	5K-P38-016-FL			
17	sk. PSB- 017-FD			Kitchenette 3rd Floor, South
18	5K-PSB-018-FL			Education Vep't
19	WF - PS8 - 019 - FO			Worder Fountain 3rd Floor, Uppor
20	WF- P5B- 020- FU			abjacent to womans book wood
21	WF-P58-021-FO			Woder Fountain 3rd Floor, Lower
	WF-PSB-D22-FL			nejacent to workans both room
23	ESK. P3B-023-F0			Extende 300 Floor North
24	3K-95B-024-FC			Education Oppt-
25	5K-958 125-FD			office of Student Socies
26	3K-858-006-FL			Office of Student Societies



Engineering + Environmental

A6J2088 PBSEN1939



10/17/2016



25103.003

	0.003
FACILITY NAME: PUBLIC SERVICE BUILDING	PROJECT #: PH
ANALYSIS REQUESTED: LEAD (PB) IN DRINKING WATER COPPER (CU) IN DRINKING WATER	DATE: 10/14/16
RELINQ'D BY/SIGNATURE: Mike Golden July	DATE/TIME: 10 1400
20. SRECEIVED BY/SIGNATURE: Tula Sangell	DATE/TIME: 10/17/16 / 1630
EMAIL RESULTS TO: derek may Pobseny com	TURN AROUND TIME: 7-10 days

LAB	SAMPLE#	BUILDING	ROOM	LOCATION IN ROOM
27	WF- P3B-027-FD			Woder Fountain, and Floor Wood
28	WF- PSB-128-FU			Adjacent to usomans bathroom
29	WF-958.009-FD			Worder Foundain 2nd Floor (Lowe
30	WF-958-030-PL	μ		Adjacent to womans both room
31	SK-PS8-031-PD			Kitcherte, 2nd Floor North
32	SK-PSB-032-FL			Kitchen Sink
33	5K- 98- 033-FO			Katchenotte, 13+ Floor, South
34	SK- 938- 034-FL			Kitchen Gink, Secretary of state
35	17- PSB- 035-FO	0.000		Water Fountain, 15+ Floor Opport
36	WF-PSB-036-FU			1000
37	WF- PSB · 037- FO			Water Fountain 184 Floor Lower, outside of
38	WF-PS9-035-FL	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		secretary of state Dept a gross from u
39	5 K- PSB- 039-FO		105	Kitcherette, 184 Floor, Kitchen Stak
40	64-938-040-FL		4	secontary of State HR, 1St Floor
41	sk-938-041-FO			Kitchenette, Barenert, Kitchen S
42	5K-PSB-042-FL			Adjacent to conference Room C
43	WF-BB-043-FO			Water Fourtain, Basement (Upper)
44	WF- PSB-044-FU			Hallopay adjacent to elevotors
45	WF- PSB- 045-FD			Woder Fountain Basement (LOWER)
46	WF- 938- 046-FL			Hallway, adjacent to elevators
47,	WF-P38-047-PO			Water Fountain @ Basement
48	WF- PSB- 048-PL			Custodial office

A6J2088 PBSEN1939

10/17/2016 10

Sample Integrity
BSK Bottles: Yes No Page ____

	Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No (I	1	Wei	e correct contain	ners and preservativ	es /	7.)	/
Info	If samples were taken today, is there evidence	Yes No (\prec		eived for the test e there bubbles	s requested? in the VOA vials?		Yes No	
- -	that chilling has begun? Did all bottles arrive unbroken and intact?	1		(Vol	atiles Only)	ON POST NO COMPANIONES		Yes No	(NA)
200	Did all bottle labels agree with COC?	Jes & LA	10	Was	s a sufficient am	ount of sample receing hold time <72 hours	ived?	Yes	Na
J	Was sodium thiosulfate added to CN sample(s)		7	Was	PM notified of	discrepancies?	?	Yes	(No)
	until chlorine was no longer present?	Yes No (1	VA)	РМ:		By/Time:		Yes No	NA)
	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Pas	sed?	1-48				
	Bacti Na ₂ S ₂ O ₃	_	-	=					
	None (P)White Cap	_	-	_					
	Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)2SO4 DW	CI, pH > 8	Υ	N					
<u>ا</u>	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)2SO4 WW	pH 9.3-9.7	Υ	Ν					
4	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)2SO4 7199	pH 9.0-9.5	Υ	N					
.!	HNO ₃ (P) Red Cap or HCI (P) Purple Cap/Lt. Blue Label			_	1C,				
	HNO ₃ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label H ₂ SO ₄ (P) or (AG) Yellow Cap/Label	pH<2	Y	N					
ď	NaOH (P) Green Cap	Cl, pH >10	Υ	N		,	Special Street, Special Street		
	NaOH + ZnAc (P)	pH > 9	Υ	N			E Cotyle		
, ,	Dissolved Oxygen 300ml (g)	-	-	- 1			PERSONAL PROPERTY.		
_ \$	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270								
either	HCI (AG)Lt. Blue Label O&G, Diesel	_	- I <u>-</u>				E E		
cei	Ascorbic, EDTA, KH ₂ Ct (AG) ^{Pink Label} 525		-	_			-		
Re	Na ₂ O ₃ S 250mL (AG) ^{Neon Green Label} 515								The MC III
Bottles Received	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	_			ACCION SERVICIO DE LA CONTRACTOR DE LA C				
ott	Na ₂ S ₂ O ₃ (AG) ^{Blue Label} 548, THM, 524			_					
בַּיַבָּ	Na ₂ S ₂ O ₃ (CG) ^{Blue Label} 504, 505, 547	_	_	-					
/ch/	Na ₂ S ₂ O ₃ + MCAA (CG) ^{Orange Label} 531	pH < 3	Υ	N			Kr Life in		
atio.	NH ₄ Cl (AG) ^{Purple Label} 552	_	_	-					
Zie Z	EDA (AG)Brown Label DBPs		_						
Dre	HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624	-	-						
eans								7	
Ë	H ₃ PO ₄ (CG) ^{Salmon Label}								
<u> </u>	Other:								
	Asbestos 1Liter Plastic w/ Foil		-						40.252
	Low Level Hg / Metals Double Baggie Bottled Water		e in et s		Telephone and the control of				
	Clear Glass 250mL / 500mL / 1 Liter		_						
	Soil Tube Brass / Steel / Plastic							OF Street ASSESSED	
	Tedlar Bag / Plastic Bag								
±		Time/Initials			Container	Preservative	Date	/Time/Ini	tials
Split	(s)P 250¥		S	-					
	S P	*	S	Р					
Comments	* Odd numbe × labeled as of wf or	irs oul 3K' in 1 battle	y. ste	Re 4J	R AR	-0337 No	n BSI Hes	wa Rev	
								Chr	







10182016

PBSEN1939

Turnaround: Standard

Due Date: 10/31/2016



PBS Environmental





AbJZU88 PBSEN1939 10/17/2016

10

DOL ASSOCIATES SK-LE-	3002-10	
Sample Into	egrity	
BSK Bottles:	Yes No Page of	

<u> </u>	Page	e or _	<u> </u>	-							
•	Was temperature within range? Chemistry ≤ 6°C Micro < 10°C	Yes No	NA)	We rec	ere correct conta eived for the tes	iners and p ts requeste	reservative d?	s (Ye	Yes No NA		
COC Info	If samples were taken today, is there evidence that chilling has begun?	· ~ `	Na)		re there bubbles latiles Only)	s in the VO	A vials?	Ye	No (NA		
ည	Did all bottles arrive unbroken and intact?	(Yes 1	10		s a sufficient am	nount of sar	nple receiv	ed?	les No.		
$\ddot{\circ}$	Did all bottle labels agree with COC?	(Yes) & KK	10		samples have a				es (No)		
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No (NA		s PM notified of	•	ies?	Ye			
	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	لكي	PM sed?	: 	By/Time:			3 119 112		
	Bacti Na ₂ S ₂ O ₃	CHECKS	ras	seu?	1-48	 	1 5 7/15 3 3 3 3 3	ļ			
	None (P)White Cap		1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)2SO4 DW	Classo	1 37		<u> </u>						
	0.0 (5) 1:-11-1-101-0	CI, pH > 8		N							
ڡ		pH 9.3-9.7	Y	N		ļ	1	**			
the lab	Cr6 (P) Black Label/Blue Cap NH40H(NH4)2SO4 7199	pH 9.0-9.5	Υ	N							
⊒.	HNO ₃ (P) Red Cap or HCI (P) Purple Cap/Lt. Blue Label] -	_	10						
Ē.	H ₂ SO ₄ (P) or (AG) Yellow Cap/Label	pH<2	Υ	N			4, 34				
erformed in	NaOH (P) Green Cap	Cl, pH >10	Υ	N							
e De	NaOH + ZnAc (P)	pH > 9	Υ	N	₹.						
or ar	Dissolved Oxygen 300ml (g)		_					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	93 7 3 2 1		
A N	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	-	-	-			83.00 A 100				
Received are either N	HCI (AG)Lt. Blue Label O&G, Diesel			_				1			
eit	Ascorbic, EDTA, KH ₂ Ct (AG) ^{Pink Label} 525										
Re	Na ₂ O ₃ S 250mL (AG)Neon Green Label 515		172								
	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549	_			20 0±10						
Bottles ne checks	Na ₂ S ₂ O ₃ (AG) ^{Blue Label} 548, THM, 524			-							
	Na ₂ S ₂ O ₃ (CG) ^{Blue Label} 504, 505, 547			_					<u> </u>		
l/chl	Na ₂ S ₂ O ₃ + MCAA (CG) ^{Orange Label} 531	pH<3	Υ	N .							
atio	NH ₄ Cl (AG) ^{Purple Label} 552			-		<u> </u>					
ser∨	EDA (AG)Brown Label DBPs	I	1					*			
pre	HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624			_			4,50				
ans	Buffer pH 4 (CG)	, ,]	1	- 7							
me	H ₃ PO ₄ (CG)Salmon Label		-								
	Other:							100	4		
-	Asbestos 1Liter Plastic w/ Foil			- 1							
ŀ	Low Level Hg / Metals Double Baggie Bottled Water			-							
-	Clear Glass 250mL / 500mL / 1 Liter								<u> </u>		
T.	Soil Tube Brass / Steel / Plastic	<u> </u>				. 3			1		
	Tedlar Bag / Plastic Bag							<u> </u>			
٠.	Container Preservative Date/	Time/Initials			Container	Prese	ervative	Date/Tir	ne/Initials		
Spir	s)P 250*		S	Р				Date/11	ile/Ilillais		
0,	SP		S	Р							
Comments	treather and zoopoly * Old number on 10/20 × labeled as 1700 of wiff or	irs out	ly.	Re a J	R XX	-033 -034	7 Non	BSK- Hes	Red R		
S	1700 × 10 Level of las	of battle	5te	ر A		-02	16	HNO	abel)		

Labeled	by:	 @	
		 \sim	~



Derek May PBS Environmental 4412 SW Corbett Ave Portland, OR 97239

RE: Report for A6J3319 Oregon DAS - Lead

Dear Derek May,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 10/26/2016. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, Debra Karlsson, at 559-497-2888.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Debra Karlsson, Project Coordinator



Accredited in Accordance with NELAP ORELAP #4021

Page 1 of 9





Case Narrative

Project and Report Details Invoice Details

Client: PBS Environmental Invoice To: PBS Environmental Report To: Derek May Invoice Attn: Accounts Payable

Project #: Public Service Building #25103.003 PH 22 Project PO#: -

Received: 10/26/2016 - 17:15

Report Due: 11/10/2016

Sample Receipt Conditions

Cooler:Default CoolerContainers IntactTemperature on Receipt °C: 20.4COC/Labels Agree

Received with no thermal preservation. Sample(s) split after receipt at the laboratory.

Initial receipt at BSK-VAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

Report Distribution

 Recipient(s)
 Report Format
 CC:

 Derek May
 FINAL.RPT
 beth.powers@pbsenv.com

A6J3319 FINAL 11092016 1140

Printed: 11/9/2016

^{***}None applied***





Sample Description: SK-PSB-049-FD // Cafe kitchen sink 1

Oregon DAS - Lead

Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J3319-01 Sampled By: Client **Sample Date - Time:** 10/15/16 - 00:00

Matrix: Drinking Water

Sample Type: First Draw

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A615129	11/02/16	11/02/16





Public Service Building #25103.003 PH 22

Certificate of Analysis

Sample ID: A6J3319-03 Sampled By: Client **Sample Date - Time:** 10/15/16 - 00:00

Matrix: Drinking Water

Sample Description: SK-PSB-051-FD // Cafe kitchen sink 2

Sample Type: First Draw

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed Qual
Lead	EPA 200.8	ND	0.0010	mg/L	1	A615129	11/02/16	11/02/16





BSK Associates Fresno Metals Quality Control Report

		notalo di									
Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed Q	ual
		EPA 20	00.8 - Q	uality Co	ntrol						
Batch: A615129 Prep Method: EPA 200.2										Prepared: Anal	11/2/2016 yst: GNG
Blank (A615129-BLK1)											
Lead	ND	0.0010	mg/L							11/02/16	
Blank Spike (A615129-BS1)											
Lead	0.098	0.0010	mg/L	0.10		98	85-115			11/02/16	
Blank Spike Dup (A615129-BSD1)											
Lead	0.098	0.0010	mg/L	0.10		98	85-115	0	20	11/02/16	
Matrix Spike (A615129-MS1), Source:	A6J3315-03										
Lead	0.19	0.0020	mg/L	0.20	ND	97	70-130			11/02/16	
Matrix Spike Dup (A615129-MSD1), S	ource: A6J3315-03										
Lead	0.19	0.0020	mg/L	0.20	ND	95	70-130	3	20	11/02/16	



Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- · (1) Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- · Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
μg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
μg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

WA100008-008

BSK is not accredited under the NELAP program for the following parameters:

NA

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

1180	State of Hawaii	4021
CA000792016-1	State of Oregon - NELAP	4021
CA00079	State of Washington	C997-16
2435		
2993	State of Oregon - NELAP	4119-001
	CA000792016-1 CA00079 2435	CA000792016-1 State of Oregon - NELAP CA00079 State of Washington 2435

State of Washington

A6J3319 FINAL 11092016 1140

Printed: 11/9/2016

Vancouver

State of Oregon - NELAP

C824-16



Engineering + Environmental

A6J3319 PBSEN1939



10/26/2016



25103.002

	a 210 3.00 8
FACILITY NAME: PUBLIC SERVICE BUILDING	PROJECT#: PH 26
ANALYSIS REQUESTED:	1
LEAD (PB) IN DRINKING WATER COPPER (CU) IN DRINKING WATER	DATE: 10 15 2016
RELINO'D BY/SIGNATURE: Mike Golden / With &	DATE/TIME: 10 21/2016 1500
RECEIVED BY/SIGNATURE:	DATE/TIME: 10/26/16 515 DVA
EMAIL RESULTS TO: derok may Dobseny com	THEN APOUND TIME:

		SAMPLE	DATA FO	RM	
AB	SAMPLE#	BUILDING	ROOM	LOCATION IN ROOM	T
1	SK-958-049-FD.	* ****	CATTO	Kitchen Sink #17	+
2	SK-PSB-050-FZ SK-PSB-057-FO SK-PSB-052-PZ		17	Kitchen Sink # 1 Kitchen Sink # 2	+
3	5x-P53-051-F0	SSS FOR ANY DIRECTOR OR		Kitchen Cak #17	-
4	SK-PSB-052-PL		1-17	A SAME I SA	-
1					
					-
			-		
			+		
		·			+
 			+		-
				, , , , , , , , , , , , , , , , , , ,	
10.00					
			1.		+
4					+
					+
					+
	1993 T. S.	07 - 07 100 - 07 - 07 - 07 - 07 - 07 - 0			+
					\top
		Vens. (14)			+
					+
				9	
					+

A6J3319 PBSEN1939

10/26/2016 10

BS	SK Bottles: (Yes) No Page	e of	l						
	Was temperature within range? Chemistry ≤ 6°C Micro < 10°C		NA)	We	re correct contain	ners and preservant	Pesson Pe	Yed	No N
1 g	If samples were taken today, is there evidence	Vac Na (7	We	re there bubbles	in the VOA viole?		سي الم	7
U			1730	(Vol	atiles Only)			Yes	No (N
Ö	Did all bottle labels agree with COC?		-	Wa	s a sufficient am	ount of sample rece	ived?	Yes	
	Was sodium thiosulfate added to CN sample(s)		2	Wa	samples have a	hold time <72 hours	?	Yes	(No
	until chlorine was no longer present?	Yes No	NA			By/Time:		Yes	No N
		Checks	Pas	sed?	-		T		
	Was temperature within range? Chemistry ≤ 6°C Micro < 10°C If samples were taken today, is there evidence that chilling has begun? Did all bottles arrive unbroken and intact? Did all bottles arrive unbroken and intact? Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present? 250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V) Bacti Na ₂ S ₂ O ₃ None (P)White Cap Cr6 (P) Lt. Green Label/Blue Cap NH40H(NH4)2S04 DW Cr6 (P) Black Label/Blue Cap NH40H(NH4)2S04 WW PH 9.3-9.7 Y N Cr6 (P) Black Label/Blue Cap NH40H(NH4)2S04 WW PH 9.3-9.7 Y N Cr6 (P) Black Label/Blue Cap NH40H(NH4)2S04 T199 HNO ₃ (P) Baccop Pr HCl (P) Purple Cap/Lt. Blue Label H ₂ SO ₄ (P) or (AG) Yellow Cap/Label NaOH (P) Green Cap NaOH (P) Green Cap Cl, pH > 10 Y N NaOH (P) Green Cap NaOH (P) Green C								
		-				s requested? in the VOA vials? ount of sample received? hold time <72 hours? discrepancies? By/Time: Preservative Date			
		CI, pH > 8	Y	N					
9	111146H(NI)14)2004 WW	pH 9.3-9.7	Υ	Ν					
the lal	***24 HOUR HOLD TIME***	pH 9.0-9.5	Y	N					
i.	HNO ₃ (P) Red Cap or HCI (P) Purple Cap/Lt. Blue Label	_	_	_	10.				
me		pH < 2	Y	N					75.00
erfor	NaOH (P) Green Cap			10770					197011
e D	NaOH + ZnAc (P)								7424244
or ar	Dissolved Oxygen 300ml (g)	_							
ĕ	CONTRACTOR		(0.10)	B/4/20			Aleg gerlies/te	a contract of	5.005 X (-10.05)
er A									
e eit	The state of the s		-	_					
Sec are	8)								
				-					
Bottles ne check	Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549								
B e			-						
아				Martin State					
ou/uo		pH < 3	Υ	N					
> -		_	-	-					
d)			-	-					
(C)	A COLOR OF THE PROPERTY OF THE	<u></u>	-	. [P (100)	
0)-		-							
-									
2 -		The state of the s							
-									
			-						
1		_							
	Soil Tube Brass / Steel / Plastic						la extrem		
		_	_						
≝ /.		Γime/Initials			Container	Preservative	Date	te/Time/Initi	Initials
Sp	Na ₂ S ₂ O ₃ (CG) Biue Label 504, 505, 547								
Comments		ns onl			R				
	d by: @ Labels check		_	 @		RUSH Paged by:	Г	Pag	 е 8 (

DON ASSOCIATES SK-FL-0002-16 A6J3319 10/26/2016 Sample Integrity PBSEN1939 10 BSK Bottles: (Yes No of Page Was temperature within range? Were correct containers and preservatives Yes No (NA Chemistry ≤ 6°C Micro < 10°C () Yes No NA received for the tests requested? If samples were taken today, is there evidence Were there bubbles in the VOA vials? No (NA Yes that chilling has begun? (Volatiles Only) No (NA Yes Reg Did all bottles arrive unbroken and intact? No Was a sufficient amount of sample received? Yes Na Did all bottle labels agree with COC? Yes) Do samples have a hold time <72 hours? No No. Yes Was sodium thiosulfate added to CN sample(s) Was PM notified of discrepancies? /NA Yes No until chlorine was no longer present? Yes NA PM: By/Time: 250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V) Checks Passed? Bacti Na₂S₂O₃ None (P)White Cap Cr6 (P) Lt. Green Label/Blue Cap NH40H(NH4)2SO4 DW CI, pH > 8 Y N Cr6 (P) Pink Label/Blue Cap NH40H(NH4)2SO4 WW pH 9.3-9.7 Y Ν Cr6 (P) Black Label/Blue Cap NH40H(NH4)2SO4 7199 pH 9.0-9.5 N ***24 HOUR HOLD TIME*** HNO₃ (P) Red Cap or HCI.(P) Purple Cap/Lt. Blue Label 1C performed H₂SO₄ (P) or (AG) Yellow Cap/Label pH < 2 N NaOH (P) Green Cap Cl, pH >10 Υ N NaOH + ZnAc (P) pH > 9 Y N are either N/A or are Dissolved Oxygen 300ml (g) None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270 Received HCI (AG)Lt. Blue Label O&G, Diesel Ascorbic, EDTA, KH2Ct (AG)Pink Label 525 Na₂O₃S 250mL (AG)Neon Green Label 515 Bottles Na₂S₂O₃ 1 Liter (Brown P) 549 Na₂S₂O₃ (AG)^{Blue Label} 548, THM, 524 Na₂S₂O₃ (CG) Blue Label 504, 505, 547 Na₂S₂O₃ + MCAA (CG)^{Orange Label} 531 pH < 3 YN NH₄Cl (AG)^{Purple Label} 552 EDA (AG)Brown Label DBPs HCL (CG) 524.2,BTEX,Gas, MTBE, 8260/624 means Buffer pH 4 (CG) H₃PO₄ (CG)Salmon Label Other: Asbestos 1Liter Plastic w/ Foil Low Level Hg / Metals Double Baggie Bottled Water Clear Glass 250mL / 500mL / 1 Liter Soil Tube Brass / Steel / Plastic Tedlar Bag / Plastic Bag Container Preservative Date/Time/Initials Container Preservative Split Date/Time/Initials S)P 2504 SP SP * Odd numbers only rer All containers received intact pe 11-1 Comments Labeled by: _____ @ Labels checked by: _____ @ ____ RUSH Paged by:____

Page 9 of 9