Silver State Labs-Reno
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400 FAX: (888) 398-7002
www.ssalabs.com

July 18, 2018
Workorder **18061103**

Jay Flakus
CITY OF YERINGTON
102 South Main Street
Yerington, NV 89447

Project: June 2018 SDW Testing

Dear Jay Flakus:

It is the policy of Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with an appropriate explanation in the Analysis Report section of the Laboratory Report.

18061103: VOC 524, MISC-1 (Di 2-Ethylhexyl Phtalate), and RA 226/228 have been Sub Contracted.

Sincerely,

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502

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Analytical Report

Workorder#: **18061103**
Date Reported: **7/18/2018**

Client: CITY OF YERINGTON **Sampled By** J. Flakus
Project Name: June 2018 SDW Testing
PO #:

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
18061103-01	TP07	06/20/2018 11:45	6/20/2018

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Radium-226	EPA 903	See Report			CW		
Radium-228	EPA 904	See Report			CW		

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
18061103-02	W05	06/20/2018 12:08	6/20/2018

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Not Otherwise Specified		See Report			CW		

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
18061103-03	W07	06/20/2018 12:32	6/20/2018

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
Nitrate as N	EPA 300.0	<0.05	mg/L	10	JF	06/21/2018 17:22	

Laboratory Accreditation Number NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
18061103-04	W07	06/20/2018 11:18	6/20/2018

Parameter	Method	Result	Units	MCL	Analyst	Date/Time Analyzed	Data Flag
VOC	EPA 524	See Report			CW		

Original

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Reno, NV 89502
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Quality Control Report

WO#: **18061103**
7/18/2018

Analysis: Anions 300.0
Method: EPA 300.0 **Batch ID:** **R19150**

Method Blank

RunID: 19150 SeqNo 400939 Units: mg/L
Analysis Date: 6/1/2018 5:21:15 AM Analyst: JF

Analyte	Result	Rep Limit	Rep Qual
Nitrate as N	< 0.050	0.050	

Laboratory Control Sample (LCS)

RunID: 19150 SeqNo 400941 Units: mg/L
Analysis Date: 6/1/2018 6:40:07 AM Analyst: JF

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0.9030	0.98	109								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 18061085-35A
RunID: 19150 SeqNo 400947 Units: mg/L
Analysis Date: 6/21/2018 2:19:42 PM Analyst: JF

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	2.567	10.00	12	90.4	10.00	12	90.2	0.115	20	90	110	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 18061131-13A
RunID: 19150 SeqNo 400979 Units: mg/L
Analysis Date: 6/22/2018 4:17:01 AM Analyst: JF

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	3.801	10.00	13	89.2	10.00	13	89.4	0.173	20	90	110	S

Date of Report: 07/10/2018

Joe Nava

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Client Project:	18061103
BCL Project:	Drinking Water Analysis
BCL Work Order:	1819717
Invoice ID:	B309304

Enclosed are the results of analyses for samples received by the laboratory on 6/22/2018. If you have any questions concerning this report, please feel free to contact me.

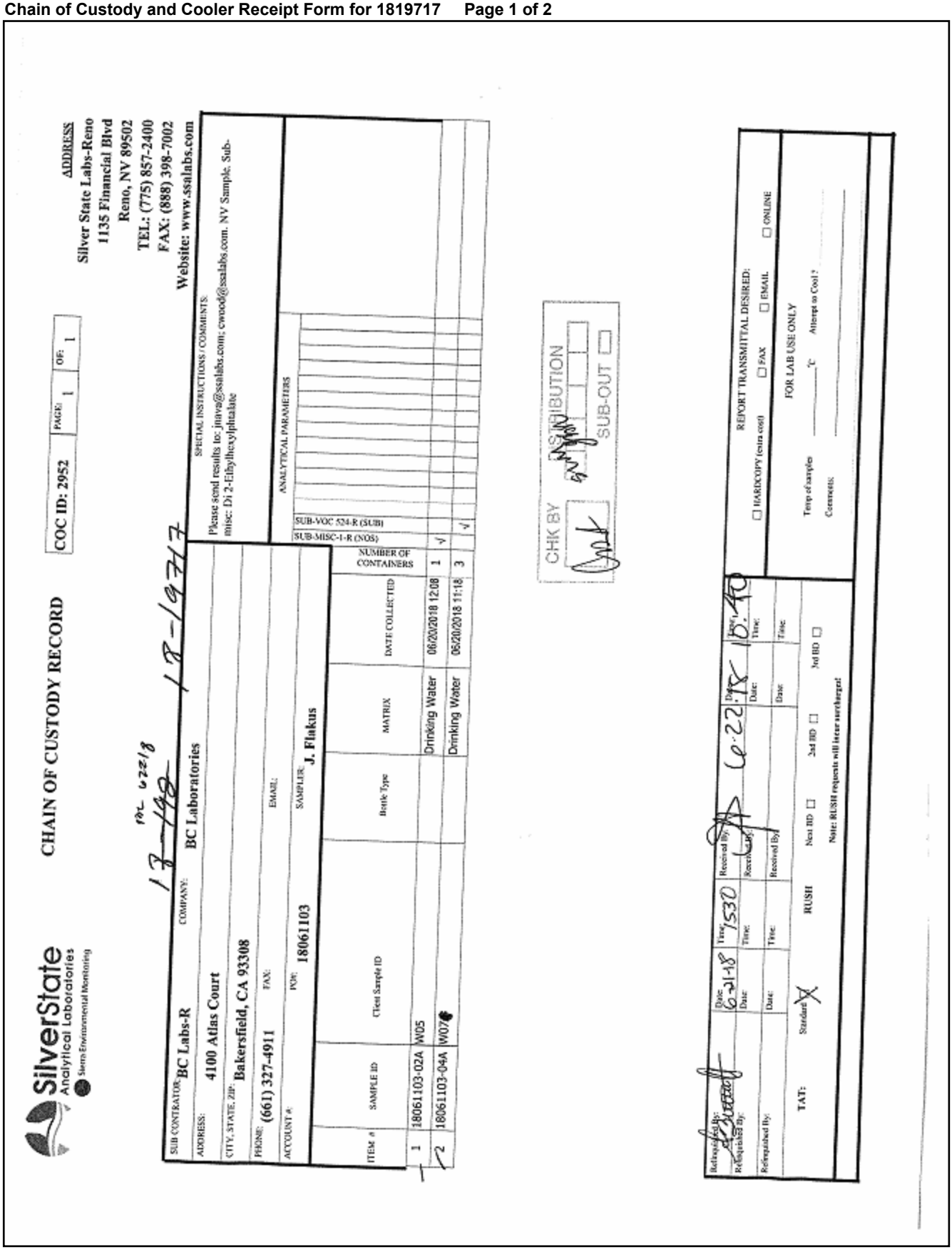
Sincerely,

Contact Person: Felicia Johnson
Client Service Rep

Stuart Buttram
Technical Director

Table of Contents

Chain of Custody and Cooler Receipt Form for 1819717 Page 1 of 2



CHAIN OF CUSTODY RECORD

SilverState Analytical Laboratories — Sierra Environmental Monitoring

COC ID: 2952 | PAGE: 1 | OF: 1

ADDRESS
Silver State Labs-Reno
1135 Financial Blvd
Reno, NV 89502
TEL: (775) 857-2400
FAX: (888) 398-7002
Website: www.ssalabs.com

SUB CONTRACTOR: BC Labs-R
ADDRESS: 4100 Atlas Court
CITY, STATE, ZIP: Bakersfield, CA 93308
PHONE: (661) 327-4911
ACCOUNT #:
COMPANY: BC Laboratories
FAX:
EMAIL:
PO#: 18061103
SAMPLER: J. Flakus

SPECIAL INSTRUCTIONS / COMMENTS:
Please send results to: jnava@ssalabs.com; cwood@ssalabs.com. NV Sample. Sub-misc: Di 2-Ethylhexylphtalate

ITEM #	SAMPLE ID	Client Sample ID	Bottle Type	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	SUB-MISC-1-R (NOS)	SUB-VOC 524-R (SUB)
1	18061103-02A	WO5		Drinking Water	06/20/2018 12:08	1	√	
2	18061103-04A	WO7		Drinking Water	06/20/2018 11:18	3		√

ANALYTICAL PARAMETERS

CHK BY

DISTRIBUTION
SUB-OUT ☐

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples _____ °C Attempt to Cool ?
Comments:

Relinquished By: Date: 6/21/18 Time: 1530 Received By:
Requested By: Date: Time: Received By:
Relinquished By: Date: Time: Received By:
TAT: Standard X RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐
Note: RUSH requests will incur surcharges!

Date: 6.22.18 Time: 10:40

Chain of Custody and Cooler Receipt Form for 1819717 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Page 1 Of 1

Submission #: 18-19717

SHIPPING INFORMATION
Fed Ex ☒ UPS ☐ Ontrac ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☐ (Specify)

SHIPPING CONTAINER
Ice Chest ☒ None ☐ Box ☐
Other ☐ (Specify)

FREE LIQUID
YES ☐ NO ☐
W / S

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ (Intact? Yes ☐ No ☐) Containers ☐ (Intact? Yes ☐ No ☐) None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☐ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received
☒ YES ☐ NO

Emissivity: 0.95 Container: Amber Thermometer ID: 214
Temperature: (A) 4.2 °C / (C) 4.4 °C
Date/Time 6-22-18 10:40
Analyst Init

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND		02266								
PIA PHENOLICS		HCl								
40ml VOA VIAL TRAVEL BLANK		D	A							
40ml VOA VIAL 0 g/L		ABC								
QT EPA 1664										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525	A									
QT EPA 525 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548										
QT EPA 549										
QT EPA 8015M										
QT EPA 8270										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:
Sample Numbering Completed By: Date/Time: 6-22-18
A = Actual / C = Corrected

Rev 21 05/23/2016
[S:\WPDocs\WordPerfect\LAB_DOCS\FORMS\SAMREC rev 20]

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1819717-01	**COC Number:**	---	**Receive Date:**	06/22/2018 10:40
	Project Number:	---	**Sampling Date:**	06/20/2018 12:08
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	W05	**Lab Matrix:**	Water
	Sampled By:	J. Flakus	**Sample Type:**	Drinking Water
1819717-02	**COC Number:**	---	**Receive Date:**	06/22/2018 10:40
	Project Number:	---	**Sampling Date:**	06/20/2018 11:18
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	W07	**Lab Matrix:**	Water
	Sampled By:	J. Flakus	**Sample Type:**	Drinking Water
1819717-03	**COC Number:**	---	**Receive Date:**	06/22/2018 10:40
	Project Number:	---	**Sampling Date:**	06/21/2018 00:00
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	TRIPBLANK	**Lab Matrix:**	Water
	Sampled By:	---	**Sample Type:**	Trip Blank

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

BCL Sample ID: 1819717-01 | **Client Sample Name:** W05, 6/20/2018 12:08:00PM, J. Flakus

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
bis(2-Ethylhexyl)phthalate	ND	ug/L	3.0	0.045	EPA-525.2	ND		1
Perylene-d12 (Surrogate)	154	%	60 - 140 (LCL - UCL)		EPA-525.2		S09	1
1,3-Dimethyl-2-nitrobenzene (Surrogate)	93.2	%	70 - 130 (LCL - UCL)		EPA-525.2			1
Triphenylphosphate (Surrogate)	123	%	70 - 130 (LCL - UCL)		EPA-525.2			1
Pyrene-d10 (Surrogate)	115	%	70 - 130 (LCL - UCL)		EPA-525.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-525.2	07/02/18 07:15	07/06/18 15:28	MK1	MS-B6	1	B018387

Sierra Environmental Monitoring
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Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID: 1819717-02 | **Client Sample Name:** W07, 6/20/2018 11:18:00AM, J. Flakus

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.11	EPA-524.2	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
Chlorobenzene	ND	ug/L	0.50	0.14	EPA-524.2	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.27	EPA-524.2	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.27	EPA-524.2	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
Ethylbenzene	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
Methylene chloride	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
Styrene	ND	ug/L	0.50	0.12	EPA-524.2	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.23	EPA-524.2	ND		1
Toluene	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
Trichloroethene	ND	ug/L	0.50	0.19	EPA-524.2	ND		1
Vinyl chloride	ND	ug/L	0.50	0.18	EPA-524.2	ND		1
Total Xylenes	ND	ug/L	0.50	0.47	EPA-524.2	ND		1
1,2-Dichloroethane-d4 (Surrogate)	86.2	%	75 - 125 (LCL - UCL)		EPA-524.2			1
Toluene-d8 (Surrogate)	95.7	%	80 - 120 (LCL - UCL)		EPA-524.2			1
4-Bromofluorobenzene (Surrogate)	98.7	%	80 - 120 (LCL - UCL)		EPA-524.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-524.2	06/25/18 10:17	06/26/18 05:06	AKM	MS-V14	1	B017422

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID: 1819717-03 | **Client Sample Name:** TRIPBLANK, 6/21/2018 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.11	EPA-524.2	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
Chlorobenzene	ND	ug/L	0.50	0.14	EPA-524.2	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.27	EPA-524.2	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.27	EPA-524.2	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
Ethylbenzene	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
Methylene chloride	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
Styrene	ND	ug/L	0.50	0.12	EPA-524.2	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.23	EPA-524.2	ND		1
Toluene	ND	ug/L	0.50	0.17	EPA-524.2	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.15	EPA-524.2	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.21	EPA-524.2	ND		1
Trichloroethene	ND	ug/L	0.50	0.19	EPA-524.2	ND		1
Vinyl chloride	ND	ug/L	0.50	0.18	EPA-524.2	ND		1
Total Xylenes	ND	ug/L	0.50	0.47	EPA-524.2	ND		1
1,2-Dichloroethane-d4 (Surrogate)	100	%	75 - 125 (LCL - UCL)		EPA-524.2			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-524.2			1
4-Bromofluorobenzene (Surrogate)	99.6	%	80 - 120 (LCL - UCL)		EPA-524.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-524.2	06/27/18 10:00	06/27/18 14:00	AKM	MS-V14	1	B017543

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B017422						
Benzene	B017422-BLK1	ND	ug/L	0.50	0.11	
Carbon tetrachloride	B017422-BLK1	ND	ug/L	0.50	0.17	
Chlorobenzene	B017422-BLK1	ND	ug/L	0.50	0.14	
1,2-Dichlorobenzene	B017422-BLK1	ND	ug/L	0.50	0.21	
1,4-Dichlorobenzene	B017422-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloroethane	B017422-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	B017422-BLK1	ND	ug/L	0.50	0.27	
cis-1,2-Dichloroethene	B017422-BLK1	ND	ug/L	0.50	0.27	
trans-1,2-Dichloroethene	B017422-BLK1	ND	ug/L	0.50	0.17	
1,2-Dichloropropane	B017422-BLK1	ND	ug/L	0.50	0.15	
Ethylbenzene	B017422-BLK1	ND	ug/L	0.50	0.15	
Methylene chloride	B017422-BLK1	ND	ug/L	0.50	0.21	
Styrene	B017422-BLK1	ND	ug/L	0.50	0.12	
Tetrachloroethene	B017422-BLK1	ND	ug/L	0.50	0.23	
Toluene	B017422-BLK1	ND	ug/L	0.50	0.17	
1,2,4-Trichlorobenzene	B017422-BLK1	ND	ug/L	0.50	0.15	
1,1,1-Trichloroethane	B017422-BLK1	ND	ug/L	0.50	0.21	
1,1,2-Trichloroethane	B017422-BLK1	ND	ug/L	0.50	0.21	
Trichloroethene	B017422-BLK1	ND	ug/L	0.50	0.19	
Vinyl chloride	B017422-BLK1	ND	ug/L	0.50	0.18	
Total Xylenes	B017422-BLK1	ND	ug/L	0.50	0.47	
1,2-Dichloroethane-d4 (Surrogate)	**B017422-BLK1**	**93.9**	%	**75 - 125 (LCL - UCL)**		
Toluene-d8 (Surrogate)	**B017422-BLK1**	**99.4**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B017422-BLK1**	**102**	%	**80 - 120 (LCL - UCL)**		
QC Batch ID: B017543						
Benzene	B017543-BLK1	ND	ug/L	0.50	0.11	
Carbon tetrachloride	B017543-BLK1	ND	ug/L	0.50	0.17	
Chlorobenzene	B017543-BLK1	ND	ug/L	0.50	0.14	
1,2-Dichlorobenzene	B017543-BLK1	ND	ug/L	0.50	0.21	
1,4-Dichlorobenzene	B017543-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloroethane	B017543-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	B017543-BLK1	ND	ug/L	0.50	0.27	
cis-1,2-Dichloroethene	B017543-BLK1	ND	ug/L	0.50	0.27	

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B017543						
trans-1,2-Dichloroethene	B017543-BLK1	ND	ug/L	0.50	0.17	
1,2-Dichloropropane	B017543-BLK1	ND	ug/L	0.50	0.15	
Ethylbenzene	B017543-BLK1	ND	ug/L	0.50	0.15	
Methylene chloride	B017543-BLK1	ND	ug/L	0.50	0.21	
Styrene	B017543-BLK1	ND	ug/L	0.50	0.12	
Tetrachloroethene	B017543-BLK1	ND	ug/L	0.50	0.23	
Toluene	B017543-BLK1	ND	ug/L	0.50	0.17	
1,2,4-Trichlorobenzene	B017543-BLK1	ND	ug/L	0.50	0.15	
1,1,1-Trichloroethane	B017543-BLK1	ND	ug/L	0.50	0.21	
1,1,2-Trichloroethane	B017543-BLK1	ND	ug/L	0.50	0.21	
Trichloroethene	B017543-BLK1	ND	ug/L	0.50	0.19	
Vinyl chloride	B017543-BLK1	ND	ug/L	0.50	0.18	
Total Xylenes	B017543-BLK1	ND	ug/L	0.50	0.47	
1,2-Dichloroethane-d4 (Surrogate)	**B017543-BLK1**	**128**	%	**75 - 125 (LCL - UCL)**		**S09**
Toluene-d8 (Surrogate)	**B017543-BLK1**	**107**	%	**80 - 120 (LCL - UCL)**		
4-Bromofluorobenzene (Surrogate)	**B017543-BLK1**	**92.0**	%	**80 - 120 (LCL - UCL)**		

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B017422										
Benzene	B017422-BS1	LCS	23.613	25.000	ug/L	94.5		70 - 130		
Chlorobenzene	B017422-BS1	LCS	24.374	25.000	ug/L	97.5		70 - 130		
1,4-Dichlorobenzene	B017422-BS1	LCS	23.097	25.000	ug/L	92.4		70 - 130		
1,1-Dichloroethene	B017422-BS1	LCS	26.635	25.000	ug/L	107		70 - 130		
Toluene	B017422-BS1	LCS	23.505	25.000	ug/L	94.0		70 - 130		
Trichloroethene	B017422-BS1	LCS	25.283	25.000	ug/L	101		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B017422-BS1	LCS	10.000	10.000	ug/L	100		75 - 125		
Toluene-d8 (Surrogate)	B017422-BS1	LCS	9.8000	10.000	ug/L	98.0		80 - 120		
4-Bromofluorobenzene (Surrogate)	B017422-BS1	LCS	10.030	10.000	ug/L	100		80 - 120		
QC Batch ID: B017543										
Benzene	B017543-BS1	LCS	21.889	25.000	ug/L	87.6		70 - 130		
Chlorobenzene	B017543-BS1	LCS	24.729	25.000	ug/L	98.9		70 - 130		
1,4-Dichlorobenzene	B017543-BS1	LCS	23.239	25.000	ug/L	93.0		70 - 130		
1,1-Dichloroethene	B017543-BS1	LCS	26.529	25.000	ug/L	106		70 - 130		
Toluene	B017543-BS1	LCS	24.845	25.000	ug/L	99.4		70 - 130		
Trichloroethene	B017543-BS1	LCS	22.652	25.000	ug/L	90.6		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	B017543-BS1	LCS	10.400	10.000	ug/L	104		75 - 125		
Toluene-d8 (Surrogate)	B017543-BS1	LCS	10.550	10.000	ug/L	106		80 - 120		
4-Bromofluorobenzene (Surrogate)	B017543-BS1	LCS	9.8200	10.000	ug/L	98.2		80 - 120		

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B017422	Used client sample: Y - Description: Well #5, 06/18/2018 10:30										
Benzene	MS	1819571-01	ND	23.661	25.000	ug/L		94.6		70 - 130	
	MSD	1819571-01	ND	24.141	25.000	ug/L	2.0	96.6	20	70 - 130	
Chlorobenzene	MS	1819571-01	ND	23.842	25.000	ug/L		95.4		70 - 130	
	MSD	1819571-01	ND	24.756	25.000	ug/L	3.8	99.0	20	70 - 130	
1,4-Dichlorobenzene	MS	1819571-01	ND	22.732	25.000	ug/L		90.9		70 - 130	
	MSD	1819571-01	ND	23.759	25.000	ug/L	4.4	95.0	20	70 - 130	
1,1-Dichloroethene	MS	1819571-01	ND	26.383	25.000	ug/L		106		70 - 130	
	MSD	1819571-01	ND	26.691	25.000	ug/L	1.2	107	20	70 - 130	
Toluene	MS	1819571-01	ND	23.040	25.000	ug/L		92.2		70 - 130	
	MSD	1819571-01	ND	23.516	25.000	ug/L	2.0	94.1	20	70 - 130	
Trichloroethene	MS	1819571-01	1.3720	25.097	25.000	ug/L		94.9		70 - 130	
	MSD	1819571-01	1.3720	25.706	25.000	ug/L	2.4	97.3	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1819571-01	ND	10.400	10.000	ug/L		104		75 - 125	
	MSD	1819571-01	ND	9.8100	10.000	ug/L	5.8	98.1		75 - 125	
Toluene-d8 (Surrogate)	MS	1819571-01	ND	9.8800	10.000	ug/L		98.8		80 - 120	
	MSD	1819571-01	ND	9.8000	10.000	ug/L	0.8	98.0		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1819571-01	ND	10.010	10.000	ug/L		100		80 - 120	
	MSD	1819571-01	ND	9.8700	10.000	ug/L	1.4	98.7		80 - 120	
QC Batch ID: B017543	Used client sample: N										
Benzene	MS	1819727-12	ND	24.100	25.000	ug/L		96.4		70 - 130	
	MSD	1819727-12	ND	24.076	25.000	ug/L	0.1	96.3	20	70 - 130	
Chlorobenzene	MS	1819727-12	ND	24.866	25.000	ug/L		99.5		70 - 130	
	MSD	1819727-12	ND	25.017	25.000	ug/L	0.6	100	20	70 - 130	
1,4-Dichlorobenzene	MS	1819727-12	ND	24.260	25.000	ug/L		97.0		70 - 130	
	MSD	1819727-12	ND	24.185	25.000	ug/L	0.3	96.7	20	70 - 130	
1,1-Dichloroethene	MS	1819727-12	ND	25.060	25.000	ug/L		100		70 - 130	
	MSD	1819727-12	ND	26.523	25.000	ug/L	5.7	106	20	70 - 130	
Toluene	MS	1819727-12	ND	24.995	25.000	ug/L		100		70 - 130	
	MSD	1819727-12	ND	25.019	25.000	ug/L	0.1	100	20	70 - 130	
Trichloroethene	MS	1819727-12	ND	25.336	25.000	ug/L		101		70 - 130	
	MSD	1819727-12	ND	24.671	25.000	ug/L	2.7	98.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1819727-12	ND	8.8200	10.000	ug/L		88.2		75 - 125	
	MSD	1819727-12	ND	9.7800	10.000	ug/L	10.3	97.8		75 - 125	
Toluene-d8 (Surrogate)	MS	1819727-12	ND	10.030	10.000	ug/L		100		80 - 120	
	MSD	1819727-12	ND	10.000	10.000	ug/L	0.3	100		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1819727-12	ND	9.7300	10.000	ug/L		97.3		80 - 120	
	MSD	1819727-12	ND	9.8100	10.000	ug/L	0.8	98.1		80 - 120	

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: B018387						
bis(2-Ethylhexyl)phthalate	B018387-BLK1	ND	ug/L	3.0	0.045	
Perylene-d12 (Surrogate)	**B018387-BLK1**	**15.6**	%	**60 - 140 (LCL - UCL)**		**S09**
1,3-Dimethyl-2-nitrobenzene (Surrogate)	**B018387-BLK1**	**88.0**	%	**70 - 130 (LCL - UCL)**		
Triphenylphosphate (Surrogate)	**B018387-BLK1**	**91.8**	%	**70 - 130 (LCL - UCL)**		
Pyrene-d10 (Surrogate)	**B018387-BLK1**	**84.8**	%	**70 - 130 (LCL - UCL)**		

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: B018387										
Perylene-d12 (Surrogate)	B018387-BS1	LCS	1.9300	5.0000	ug/L	38.6		60 - 140		L01
1,3-Dimethyl-2-nitrobenzene (Surrogate)	B018387-BS1	LCS	4.7300	5.0000	ug/L	94.6		70 - 130		
Triphenylphosphate (Surrogate)	B018387-BS1	LCS	5.4500	5.0000	ug/L	109		70 - 130		
Pyrene-d10 (Surrogate)	B018387-BS1	LCS	4.1000	5.0000	ug/L	82.0		70 - 130		

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Organic Analysis by Liquid Solids Extraction (EPA Method 525.2)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: B018387	Used client sample: N										
Perylene-d12 (Surrogate)	MS	**1819727-84**	**ND**	**3.5200**	**5.0000**	**ug/L**		**70.4**		**60 - 140**	
	MSD	**1819727-84**	**ND**	**2.4800**	**5.0000**	**ug/L**	**34.7**	**49.6**		**60 - 140**	**Q03**
1,3-Dimethyl-2-nitrobenzene (Surrogate)	MS	1819727-84	ND	4.2000	5.0000	ug/L		84.0		70 - 130	
	MSD	1819727-84	ND	4.1000	5.0000	ug/L	2.4	82.0		70 - 130	
Triphenylphosphate (Surrogate)	MS	1819727-84	ND	5.8400	5.0000	ug/L		117		70 - 130	
	MSD	1819727-84	ND	4.8400	5.0000	ug/L	18.7	96.8		70 - 130	
Pyrene-d10 (Surrogate)	MS	1819727-84	ND	4.7400	5.0000	ug/L		94.8		70 - 130	
	MSD	1819727-84	ND	4.4500	5.0000	ug/L	6.3	89.0		70 - 130	

Sierra Environmental Monitoring
1135 Financial
Reno, NV 89502

Reported: 07/10/2018 15:54
Project: Drinking Water Analysis
Project Number: 18061103
Project Manager: Joe Nava

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

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

July 18, 2018

Mr. Joe Nava
Sierra Environmental Monitoring, Inc.
1135 Financial Blvd.
Reno, NV 89502

RE: Project: 18061103
Pace Project No.: 30257318

Dear Mr. Nava:
Enclosed are the analytical results for sample(s) received by the laboratory on June 26, 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 A. Ferris

Carin Ferris
carin.ferris@pacelabs.com
724-850-5615
Project Manager

Enclosures

cc: Ms. Carly Wood, Sierra Environmental Monitoring, Inc.

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

CERTIFICATIONS

Project: 18061103
Pace Project No.: 30257318

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

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

SAMPLE SUMMARY

Project: 18061103
Pace Project No.: 30257318

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30257318001	**18061103-01A**	Drinking Water	06/20/18 11:45	06/26/18 10:00

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 18061103
Pace Project No.: 30257318

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30257318001	**18061103-01A**	EPA 903.1	KAC	1
		EPA 904.0	JLW	1

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 18061103
Pace Project No.: 30257318

Sample: 18061103-01A **Lab ID: 30257318001** Collected: 06/20/18 11:45 Received: 06/26/18 10:00 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	**0.118 ± 0.284 (0.549) C:NA T:83%**	pCi/L	07/12/18 21:51	13982-63-3	
Radium-228	EPA 904.0	**0.680 ± 0.447 (0.896) C:73% T:78%**	pCi/L	07/17/18 15:00	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 18061103
Pace Project No.: 30257318

QC Batch: 304055 Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1 Analysis Description: 903.1 Radium-226
Associated Lab Samples: 30257318001

METHOD BLANK: 1487494 Matrix: Water
Associated Lab Samples: 30257318001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.212 ± 0.255 (0.389) C:NA T:89%	pCi/L	07/12/18 21:09	

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
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 18061103
Pace Project No.: 30257318

QC Batch: 304059 Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0 Analysis Description: 904.0 Radium 228
Associated Lab Samples: 30257318001

METHOD BLANK: 1487502 Matrix: Water
Associated Lab Samples: 30257318001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.619 ± 0.489 (0.971) C:73% T:67%	pCi/L	07/17/18 14:59	

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
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 18061103
Pace Project No.: 30257318

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

SilverState Analytical Laboratories
Sierra Environmental Monitoring

CHAIN OF CUSTODY RECORD

COC ID: 2953 | PAGE: 1 | OF: 1

ADDRESS
Silver State Labs-Reno
1135 Financial Blvd
Reno, NV 89502
TEL: (775) 857-2400
FAX: (888) 398-7002
Website: www.ssalabs.com

SUB CONTRATOR: Pace Greenburg-R
COMPANY: Pace Analytical Services
ADDRESS: 1638 Roseytown Road
CITY, STATE, ZIP: Greenburg, PA 15601
PHONE: (724) 850-5600
FAX:
EMAIL:
ACCOUNT #:
PO#: 18061103
SAMPLER: J. Flakus

SPECIAL INSTRUCTIONS / COMMENTS:
Please send results to: jnava@ssalabs.com; cwood@ssalabs.com. NV Sample

WO#: 30257318
30257318

ITEM #	SAMPLE ID	Client Sample ID	Bottle Type	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	SUB-RA226-R (SUB)	SUB-RA228-R (E904.0)	
1	18061103-01A	TP07		Drinking Water	06/20/2018 11:45	2	√	√	001

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	6-21-18	15:30	[signature]	6-26-18	1000

TAT: Standard ☒ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ________ °C Attempt to Cool ? ________
Comments:

Pittsburgh Lab Sample Condition Upon Receipt

Face Analytical

Client Name: Sierra Environ. Project # 30257318

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

Label BJH
LIMS Login BJH

Tracking #: 4436 4822 7296

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

pH paper Lot# 10D4607I

Date and Initials of person examining contents: BJH 6-26-18

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous Compliance/NPDES sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. All containers needing preservation are found to be in compliance with EPA recommendation.	✓			16. pH<2
exceptions: VOA, coliform, TOC, O&G, Phenolics				Initial when completed BJH Date/time of preservation
				Lot # of added preservative
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Aqueous Samples Screened > 0.5 mrem/hr		✓		Initial when completed: BJH Date: 6-26-18

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.

SilverState Analytical Laboratories

Sierra Environmental Monitoring | EnviroTech

ssalabs.com sem-analytical.com envirotechonline.com

☐ 3626 E. SUNSET RD., STE 100, LAS VEGAS, NV 89120
Phone (702) 873-4478 Fax: (702) 873-7967 (EPA#: NV00930, CA2885)

18061103

☒ 1135 FINANCIAL BOULEVARD, RENO, NV 89502
Phone (775) 857-2400 Fax: (888) 398-7002 (EPA#: NV00015, CA2526)

CHAIN-OF-CUSTODY-RECORD

Report Results To:
Report Attention: Jay Flakus, Public Works Director
Project Number:
Company: City of Yerington Nevada - Public Works
Mailing Address: 102 S Main Street
City, State, Zip: Yerington, NV 89447
Phone: 775-302-1155
Email / Fax: jayf@yerington.net

Send Invoice To:
Invoice Attention: Jay Flakus
PO# OPEN
Quote #
Company: City of Yerington Nevada - Public Works
Mailing Address: 102 S Main Street
City, State, Zip: Yerington, NV 89447
Phone: 775-302-1155
Email / Fax: jayf@yerington.net

COMPLIANCE MONITORING? Yes ☒ No ☐
NEW ADDRESS? Results ☐ Invoice: ☐

Applicable Program
SDWA ☒ CWA ☐ RCRA ☐
Mining ☐ Other _____

QC Level Report
(I) II III IV
NOTE: Surcharges apply to Level II, III and IV reports

Send Results Via:
Mail: ☒ Email: ☒ Fax: ☐

Send Invoice Via:
Mail: ☐ Email: ☐ Fax: ☐

Field Measurements
On-Site pH: Chlorine:
Temperature: Other:

Sampled by: JAY FLAKUS Signature:

I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Standard: ☒ Standard TAT 7-10 Business Days. Note that some tests vary.

Rush
Same Day: ☐ 3 Day: ☐ Other (specify): _____
1 Day: ☐ 4 Day: ☐
2 Day: ☐ 5 Day: ☐
Rush results will be issued after 4:00 p.m.

NOTE: A Rush Surcharge is applied for rush samples

Other Pertinent Information / Special Instructions
~~MAY 2018 SOCS AND IOCS~~
JUNE 2018 SDW TESTING 15-0

ANALYSES REQUESTED

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Comp. Grab	Matrix*	Preservative**	Number / Type of Containers***	RADS/RADIUM 226/228	DI 2-ETHYLHEXYL PHTALATE	NITRATE	VOC PH 2 + S								
6/20/18	1145	TP 07 (2 BOTTLES)		G	DW	NONE	2	X											
6/20/18	1208	WO5 (1 AMBER BOTTLE)		G		NONE			X										
6/20/18	1232	WO7 (2 BOTTLES)		G		NONE				X									
6/20/18	1118	WO7 (4 BOTTLES)		G		NONE					X								

	Signature	Print Name	Company	Date	Time
Relinquished By:		JAY FLAKUS	City of Yerington, NV	6/20/18	1331
Received By:		Jesslyna Cochrane	City of Yerington, NV	6/20/18	2:21
Relinquished By:		Jesslyna Cochrane	City of Yerington, NV	6/20/18	3:55
Received By:		J. Maher	SSAL	6/20/18	15:55
Relinquished By:					
Received By:					
Authorized By:		Jay Flakus, Public Works Director	City of Yerington, NV	6/20/18	1331

Authorization is required to process samples. This obligates your organization for service fees. SSAL Standard T & C's or other written agreement applies. If coll… unless other arrangements are made and storage fees may apply. legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees. these samples as they are received by the laboratory. the report.

Matrix* DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other … Container*** P-Plastic, G-Glass, V-Voa Vial, OT-Other

Preservative** 1=H_2SO_4, 2=HNO_3, 3=HCl, 4=NaOH, 5=$Na_2S_2O_3$, 6=None, 7=Other

COYPW SDW SAMPLE COC 2018

18009

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Definitions & Qualifiers

WO#: **18061103**
Date: **7/18/2018**

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes
or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

* - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.
C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.
B - Analyte found above the PQL in associated method blank.
G - Calibration blank analyte detected above PQL.
H - Sample analyzed beyond holding time for this parameter.
J - Estimated Value; Analyte found between MDL and PQL limits.
L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.
R - RPD between sample and duplicate sample outside the RPD acceptance limits.
S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.
W - Sample temperature when recieved was out of limit as specified by method.