

Consumer Confidence Report Certification Form
(updated with electronic delivery methods)

(suggested format)

CWS Name: MT. View CO-OP Small Sys

PWSID No: 41-01125 Calendar year 2022

The community water system named above hereby confirms that its consumer confidence report has been distributed to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the state/primacy agency.

Certified by:

Name: Ricky White

Title: Operations manager

Phone #: 971-378-5330 Date: 4-5-2023

Please check all items that apply.

CCR was distributed by mail.

CCR was distributed by other direct delivery method. Specify direct delivery methods:

Mail – notification that CCR is available on website via a direct URL

Email – direct URL to CCR

Email – CCR sent as an attachment to the email

Email – CCR sent embedded in the email

Other: _____

If the CCR was provided by a direct URL, please provide the direct URL Internet address:

www.Coopmgmt.com/mountain-view

If the CCR was provided electronically, please describe how a customer requests paper CCR delivery:

- ___ "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods as recommended by the state/primacy agency:
- posting the CCR on the Internet at www.coopmgt.com/mountain-view
 - ___ mailing the CCR to postal patrons within the service area (attach a list of zip codes used)
 - ___ advertising availability of the CCR in news media (attach copy of announcement)
 - ___ publication of CCR in local newspaper (attach copy)
 - ___ posting the CCR in public places (attach a list of locations)
 - ___ delivery of multiple copies to single bill addresses serving several persons such as:
apartments, businesses, and large private employers
 - ___ delivery to community organizations (attach a list)
 - ___ electronic city newsletter or electronic community newsletter or listserv (attach a copy of the article or notice)
 - ___ electronic announcement of CCR availability via social media outlets (attach list of social media outlets utilized)
- ___ (for systems serving at least 100,000 persons) Posted CCR on a publicly-accessible Internet site at the address: www._____
- ___ Delivered CCR to other agencies as required by the state/primacy agency (attach a list)

ccr report 2022

Spanish (Español)

Este informe contiene información muy importante sobre la calidad de su agua beber. Tradúscalo o hable con alguien que lo entienda bien.

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

the ground

Source water assessment and its availability

www.coopmgt.com/mountain-view

Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity:

microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

Description of Water Treatment Process

Your water is treated by filtration and disinfection. Filtration removes particles suspended in the source water. Particles typically include clays and silts, natural organic matter, iron and manganese, and microorganisms. Your water is also treated by disinfection. Disinfection involves the addition of chlorine or other disinfectants to kill bacteria and other microorganisms (viruses, cysts, etc.) that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

Water Conservation Tips

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference - try one today and soon it will become second nature.

- Take short showers - a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit www.epa.gov/watersense for more information.

Cross Connection Control Survey

The purpose of this survey is to determine whether a cross-connection may exist at your home or business. A cross connection is an unprotected or improper connection to a public water distribution system that may cause contamination or pollution to enter the system. We are responsible for enforcing cross-connection control regulations and insuring that no contaminants can, under any flow conditions, enter the distribution system. If you have any of the devices listed below please contact us so that we can discuss the issue, and if needed, survey your connection and assist you in isolating it if that is necessary.

- Boiler/ Radiant heater (water heaters not included)
- Underground lawn sprinkler system
- Pool or hot tub (whirlpool tubs not included)
- Additional source(s) of water on the property
- Decorative pond
- Watering trough

Source Water Protection Tips

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides - they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use EPA's Adopt Your Watershed to locate groups in your community, or visit the Watershed Information Network's How to Start a Watershed Team.
- Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste - Drains to River" or "Protect Your Water." Produce and distribute a flyer for households to remind residents that storm drains dump directly into your local water body.

Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. mt.view co-op small sys is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

Unit Descriptions	
Term	Definition
NA	NA: not applicable
ND	ND: Not detected
NR	NR: Monitoring not required, but recommended.

Important Drinking Water Definitions	
Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variations and Exemptions	Variations and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.

Important Drinking Water Definitions

MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	MNR: Monitored Not Regulated
MPL	MPL: State Assigned Maximum Permissible Level

For more information please contact:

Contact Name: Ricky white
Address: 34395 se duus rd sp30
Estacada, or 97023
Phone: 19713785330



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
503-254-1794
ORELAP#: OR100028

Purchase Order:



Project Name: Radiological 2022
Project No:

Cover Letter

Mountain View Co-op c/o
Cooperative Management Inc.
P.O. Box 490
Gold Beach, OR 97444
United States of America (USA)

Dear Tamie Kaufman,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 22-015589 on 12/20/2022 at 12:44. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

NOTE: This analysis was subcontracted to Summit Environmental Technologies, Inc. in Cuyahoga Falls, OH. Summit Environmental Technologies, Inc. is an ORELAP accredited laboratory.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager

Oregon Drinking Water Program Radiological Analysis Report

Water System Information:	Sample Information: A & B	
PWS ID: 4101125	Collection Date: 12/20/22	Collection Time: 11:00 AM
PWS Name: Mountain View Co-op	Sample Point: EP-A	

Order 22-015589

Page 1 of 21

www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

503-254-1794

ORELAP#: OR100028

PWS Address: 18150 SW Boones Ferry Rd. Portland, OR 97224	All compliance samples to be taken at Entry Point (EP). This is after treatment (if any) and prior to first user.
	Sample/Lab ID: 22-015589-0001
	Notes:

Lab PERFORMING Analysis Sample was analyzed by Summit Environmental Technologies, Inc. - OH200001

Analytical results meet all NELAC requirements unless otherwise noted
*separate forms needed for each analyzing lab

Radiological Compounds

Code	Analyte	MCL	Result	Precision	Units	LOQ	Test Method	Comments
4006	Uranium	0.03	ND	---	mg/l	0.00100	EPA 200.8 in mg/l	
4010	Radium 226/228 Combined	5	ND	+/- 0.43	pCi/L	2.0	EPA 903.0/ 904.0	Add Radium 226 + Radium 228

Laboratory ID: OR100028

Abbreviations:

LOQ: Level of Quantification

ND: None Detected at or above the Limit of Quantification

MCL: Maximum Contamination Level (Limit) - The water is considered safe for drinking if the analytical results are below this federal recommended action level.

Units of Measure mg/l =
milligrams per liter pCi/L =
Picocuries Per Liter

Analyzed By Summit
01/19/23



Environmental Analysis Completion Date: 01/10/23 -

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223 TEL: (330) 253-8211
FAX: (330) 253-4489
Website: <http://www.senetek.com>

January 24, 2023

Mark Leed
Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

Order 22-015589

Page 2 of 21

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12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

503-254-1794

ORELAP#: OR100028

TEL: (503) 254-1794

FAX: (503) 254-1452

RE: 22-015589

Dear Mark Leed:

Order No.: 23010276

Summit Environmental Technologies, Inc. received 1 sample(s) on 1/5/2023 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Brian J. Fackelman Project

Manager

3310 Win St.

Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0108, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-011-13, ISO/IEC 17025:2017 119125 L22-644, Kansas E-10347, Kentucky (Underground Storage Tank) J, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 02016001, Texas T104704466-19-16, Utah OH009252020-12, Virginia VELAP 10381, West Virginia 9957C

Page 1 of 17

Order 22-015589

Page 3 of 21

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Portland, OR 97230

503-254-1794

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

ORELAP#: OR100028



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.summitec.com>

Case Narrative

WO#: 23010 276

Date: 1/24 /2023

CLIENT: Columbia Laboratories
Project: 22-015589

This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

WorkOrder Comments:

23010276: Oregon DW; for compliance.

Analytical Sequence Sample Notes:

23010276-001A Radium-226_DW(903.0); LCS-62171 exhibited a high recovery for Radium-226, associated samples are ND for this analyte. LCSD-62171 exhibits the batch is in control.

Original



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
503-254-1794
ORELAP#: OR100028

Summit



Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Workorder

Sample Summary

WO#: 23010276
24-Jan-23

CLIENT:	Columbia Laboratories				
Project:	22-015589				
Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
23010276-001	A & B		12/20/2022 11:00:00 AM	1/5/2023 10:00:00 AM	Drinking Water
23010276-001	A & B		12/20/2022 11:00:00 AM	1/5/2023 10:00:00 AM	Drinking Water

Page 3 of 17



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DATES REPORT

WO#: 23010276
24-Jan-23

Client: Columbia Laboratories
Project: 22-015589

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
23010276-001AA & B AM		12/20/2022 11:00:00 AM	Drinking Water	Radium-226 (903.0)		1/12/2023 1:04:00 PM	1/19/2023 9:58:00
AM				Radium-226/228 (903.0/904.0)		1/12/2023 1:04:00 PM	1/19/2023 9:58:00
AM				Radium-228 (904.0)		1/12/2023 1:04:00 PM	1/18/2023 3:14:00
23010276-001B				Metals (200.8)		1/9/2023 7:15:00 AM	1/10/2023 5:00:44 PM

Order 22-015589

Page 5 of 21

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SUMMIT
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Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Wh n St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.summittek.com>

Analytical Report

(consolidated)

WO #: 23010276

Date Reported: 1/24/2023

CLIENT: Columbia Laboratories Collect ion Date: 12/20/2022 11:00:00 AM
Project: 22-015589
Lab ID: 23010276-001 Matrix: DRINKING WATER
Client Sample ID: A & B

Analyses	Result	PQL	Qual	Units	Uncertainty	DF Date Analyzed
METALS (200.8)						
Uranium(U)	ND	0.00100		mg/L	E200.8 E200.8	Analyst: RJE 1/10/2023 5:00:44 PM
COMBINED RADIUM-226/228 RADIUM-226/228 (903.0/904.0)						
Radium-226/Radium-228 Combined	ND	2.00		pCi/L	± 0.43 CMBDRA226RA22E903-904	Analyst: HDJ 1/19/2023 9:58:00 AM
COMBINED RADIUM-226/228 RADIUM-226 (903.0)						
Radium-226	ND	1.00		pCi/L	± 0.04 E903.0 E903-904	Analyst: HDJ 1/19/2023 9:58:00 AM
Yield	1.00					1/19/2023 9:58:00 AM
COMBINED RADIUM-226/228 RADIUM-228 (904.0)						
Radium-228	ND	1.00		pCi/L	± 0.39 E904.0 E903-904	Analyst: HDJ 1/18/2023 3:14:00 AM
Yield	1.00					1/18/2023 3:14:00 AM

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range
H Holding times for preparation or analysis exceeded M Manual Integration used to determine area response
MC Value is below Minimum Compound Limit. N Tentatively identified compounds
ND Not Detected OGI
P Second column confirmation exceeds PL Permit Limit



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QCS M A YREPOR

WO#: 23010276

24Jan-23

Client: Columbia Laboratories



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
503-254-1794
ORELAP#: OR100028

Project: 22-015589

BatchID: 62052

Sample ID: MB-62052	SampType: MBLK	TestCode: MtI-ICPMS_D	Prep Date:1/9/2023	RunNo: 156245
Client ID: PBW	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date:1/10/2023	SeqNo: 4159809
	Result	E200.8E200.8	LowLimit HighLimitRPD Ref Val	%RPD RPDLimit
Analyte		PQL SPK valueSPK Ref Val	%REC	Qual
Uranium(U)	ND	0.00100		

Sample ID: LCS-62052	SampType: LCS	TestCode: MN-ICPMS_D	Prep Date:1/9/2023	RunNo: 156245
Client ID: LCSW	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date:1/10/2023	SeqNo: 4159810
	Result	E200.8E200.8	LowLimit HighLimitRPD Ref Val	%RPD RPDLimit
Analyte		PQL SPK valueSPK Ref Val	%REC	Qual
Uranium(U)	0.0509	0.00100 0.0500	0 102 85 115	

Sample ID: 23010276-001BDUP	SampType: DUP	TestCode: MtI-ICPMS_D	Prep Date:1/9/2023	RunNo: 156245
Client ID:A & B	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date:1/10/2023	SeqNo: 4159816
	Result	E200.8E200.8	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit
Analyte		PQL SPK valueSPK Ref Val	%REC	Qual
Uranium(U)	ND	0.00100	0 0 20	

Qualifiers: BAnalyte detected in the associated Method Blank EValue above quantitation range HHolding times for preparation or analy
 JAnalyte detected below quantitation limits MManual Integration used to determine area response MC Value is below Minimum
 Compound

NDNot Detected OGI PSecond column confirmation exceeds
 PL Permit Limit RRPD outside accepted recovery limits RLReporting Detection Limit

Original



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794

Report Number: 22-015589/D001.R00

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ORELAP#: OR100028

Page 6 of 17



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Website: <http://www.summittek.com>

QCS M A YREPOR

WO#: 23010276

24Jan-23

Client: Columbia Laboratories

Project: 22-015589

BatchID: 62052

Sample ID: MB-62052	SampType: MBLK	TestCode: Mit-ICPMS_D	Prep Date: 1/9/2023	RunNo: 156242
Client ID: PBW	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date: 1/10/2023	SeqNo: 4159694
Analyte	Result	E200.8E200.8	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC		Qual
Uranium(U)	ND	0.00100		

Sample ID: LCS-62052	SampType: LCS	TestCode: Mit-ICPMS_D	Prep Date: 1/9/2023	RunNo: 156242
Client ID: LCSW	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date: 1/10/2023	SeqNo: 4159695
Analyte	Result	E200.8E200.8	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC		Qual
Uranium(U)	0.0509	0.00100 0.0500 0	102 85 115	

Sample ID: 23010297-001AMS	SampType: MS	TestCode: Mit-ICPMS_D	Prep Date: 1/9/2023	RunNo: 156242
Client ID: BatchQC	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date: 1/10/2023	SeqNo: 4159697
Analyte	Result	E200.8E200.8	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC		Qual
Uranium(U)	0.0253	0.00100 0.0250 0.0000380	101 70 130	

Sample ID: 23010297-001AMSD	SampType: MSD	TestCode: Mit-ICPMS_D	Prep Date: 1/9/2023	RunNo: 156242
Client ID: BatchQC	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date: 1/10/2023	SeqNo: 4159698
Analyte	Result	E200.8E200.8	LowLimit HighLimit RPD Ref Val	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC		Qual
Uranium(U)	0.0265	0.00100 0.0250 0.0000380	106 70 130 0.0253 4.63 20	

Qualifiers: BAnalyte detected in the associated Method Blank EValue above quantitation range

H Holding times for preparation or analy

Order 22-015589

Page 8 of 21

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503-254-1794

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

ORELAP#: OR100028

Compound JAnalyte detected below quantitation limits MManual Integration used to determine area response MC Value is below Minimum

NDNot Detected OGI PSecond column confirmation exceeds Original
PLPermit Limit RRPD outside accepted recovery limits RLReporting Detection Limit

Page 7 of 17



QCS M A YREPOR

WO#: 23010276
24Jan-23

Client: ColumbiaLaboraie

Project: 22-015589

BatchID: 62052

Sample ID: 23010297-001AMSD	SampType: MSD	TestCode: Mt-ICPMS_D	Prep Date: 1/9/2023	RunNo: 156242
Client ID: BatchQC	Batch ID: 62052	Units: mg/L TestNo:	Analysis Date: 1/10/2023	SeqNo: 4159698
Analyte	Result	E200.8 E200.8	LowLimit HighLimit RPD Ref Val	%RPDRPDLimit
		PQL SPK valueSPK Ref Val %REC		Qual

Qualifiers: BAnalyte detected in the associated Method Blank EValue above quantitation range HHolding times for preparation or analy
JAnalyte detected below quantitation limits MManual Integration used to determine area response MC Value is below Minimum

Compound NDNot Detected OGI PSecond column confirmation exceeds Original
PLPermit Limit RRPD outside accepted recovery limits RLReporting Detection Limit

Page 8 of 17



QCS M A YREPOR

WO#: 23010276
24Jan-23

Client: ColumbiaLaboraie

Project: 22-015589

BatchID: 62171



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
503-254-1794
ORELAP#: OR100028

Sample ID: MB-62171	SampType: MBLK	TestCode: Radium-228_Units:	Prep Date:1/12/2023	RunNo: 156994
Client ID: PBW	Batch ID: 62171	pCi/L	Analysis Date:1/18/2023	SeqNo: 4179113
Analyte	Result	TestNo: E904.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC	Val	Qual
Radium-228	ND	1.00	0	0
Yield	0.980		0	0

Sample ID: LCS-62171	SampType: LCS	TestCode: Radium-228_Units:	Prep Date:1/12/2023	RunNo: 156994
Client ID: LCSW	Batch ID: 62171	pCi/L	Analysis Date:1/18/2023	SeqNo: 4179114
Analyte	Result	TestNo: E904.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC	Val	Qual
Radium-228	3.68	1.00	5.000	0 73.6 70 130
Yield	0.910		0	0

Sample ID: LCSD-62171	SampType: LCSD	TestCode: Radium-228_Units:	Prep Date:1/12/2023	RunNo: 156994
Client ID: LCSS02	Batch ID: 62171	pCi/L	Analysis Date:1/18/2023	SeqNo: 4179115
Analyte	Result	TestNo: E904.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC	Val	Qual
Radium-228	3.58	1.00	5.000	0 71.6 70 130 3.680 2.75 20
Yield	0.840		0	0 0.9100 8.00

Qualifiers: BAnalyte detected in the associated Method Blank EValue above quantitation range HHolding times for preparation or analy
 JAnalyte detected below quantitation limits MManual Integration used to determine area response MC Value is below Minimum
 Compound

NDNot Detected
PL Permit Limit

OG1
RRPD outside accepted recovery limits

PSecond column confirmation exceeds
RLReporting Detection Limit

Original



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310Vn St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX (330) 253-4489
Website <http://www.stuck.com>

QCS M A YREPOR

WO#: 23010276
24Jan-23

Client: Columbia Laboratories



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
503-254-1794
ORELAP#: OR100028

Project: 22-015589

BatchID: 62171

Sample ID: RLC-62171	SampType: RLC	TestCode: Radium-228_Units:	Prep Date:1/12/2023	RunNo: 156994
Client ID:BatchQC	Batch ID: 62171	pCi/L	Analysis Date:1/18/2023	SeqNo: 4179117
Analyte	Result	TestNo: E904.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC	Val	Qual
Radium-228	1.03	1.00 1.000 0	103 50 150	
Yield	1.00	0	0	

Sample ID: RLCD-62171	SampType: RLC	TestCode: Radium-228_Units:	Prep Date:1/12/2023	RunNo: 156994
Client ID:BatchQC	Batch ID: 62171	pCi/L	Analysis Date:1/18/2023	SeqNo: 4179118
Analyte	Result	TestNo: E904.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC	Val	Qual
Radium-228	ND	1.00 1.000 0	66.0 50 150	
Yield	1.00	0	0	

Sample ID: 23010414-001AMS	SampType: MS	TestCode: Radium-228_Units:	Prep Date:1/12/2023	RunNo: 156994
Client ID:BatchQC	Batch ID: 62171	pCi/L	Analysis Date:1/18/2023	SeqNo: 4179119
Analyte	Result	TestNo: E904.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC	Val	Qual
Radium-228	3.59	1.00 5.000 0	71.8 70 130	
Yield	1.00	1.000 0		

Qualifiers: BAnalyte detected in the associated Method Blank EValue above quantitation range H Holding times for preparation or analy
 JAnalyte detected below quantitation limits MManual Integration used to determine area response MC Value is below Minimum
 Compound
 ND Not Detected OGI PSecond column confirmation exceeds Original
 PL Permit Limit RRPD outside accepted recovery limits RLReporting Detection Limit



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
503-254-1794
ORELAP#: OR100028

Page 10 of 17



QCS M A YREPOR

WO#: 23010276
24-Jan-23

Client: Columbia Laboratories

Project: 22-015589

BatchID: 62171

Sample ID: 23010415-001ADUP	SampType: DUP	TestCode: Radium-228_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156994							
Client ID: BatchQC	Batch ID: 62171	TestNo: E904.0 E903-904	Analysis Date: 1/18/2023	SeqNo: 4179122							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit Val	HighLimit	RPD Ref	%RPD	RPDLimit	Qual
Radium-228	ND	1.00	0	0	0	0	0	0	0	20	R
Yield	1.00		0	0		1.000			0		

Sample ID: 23010418-001ADUP	SampType: DUP	TestCode: Radium-228_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156994							
Client ID: BatchQC	Batch ID: 62171	TestNo: E904.0 E903-904	Analysis Date: 1/18/2023	SeqNo: 4179124							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit Val	HighLimit	RPD Ref	%RPD	RPDLimit	Qual
Radium-228	ND	1.00	0	0	0	0	0	0	0	20	
Yield	0.980		0	0		1.000			2.02		

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range H Holding times for preparation or analysis
J Analyte detected below quantitation limits M Manual integration used to determine area response MC Value is below Minimum

Compound

ND Not Detected
PL Permit Limit

OG1
RRPD outside accepted recovery limits

P Second column confirmation exceeds
RL Reporting Detection Limit

Original

Order 22-015589

Page 12 of 21

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
503-254-1794
ORELAP#: OR100028

Page 11 of 17



Summit Environmental Technologies, Inc.
3310 W. St.
Cynthiana, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.summit.com>

QCS M A YREPOR

WC#: 23010276
24 Jan-23

Client: Columbia Laboratories
Project: 22-015589

BatchID: 62171

Sample ID: MB-62171	SampType: MBLK	TestCode: Radium-226_Units:	Prep Date: 1/12/2023	RunNo: 156998
Client ID: PBW	Batch ID: 62171	pCi/L	Analysis Date: 1/19/2023	SeqNo: 4179190
Analyte	Result	TestNo: E903.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC Val	Val	Qual
Radium-226	ND	1.00		
Yield	0.910			

Sample ID: LCS-62171	SampType: LCS	TestCode: Radium-226_Units:	Prep Date: 1/12/2023	RunNo: 156998
Client ID: LCSW	Batch ID: 62171	pCi/L	Analysis Date: 1/19/2023	SeqNo: 4179191
Analyte	Result	TestNo: E903.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC Val	Val	Qual
Radium-226	7.04	1.00 5.000 0 141 70 130		S

Sample ID: LCSD-62171	SampType: LCSD	TestCode: Radium-226_Units:	Prep Date: 1/12/2023	RunNo: 156998
Client ID: LCSS02	Batch ID: 62171	pCi/L	Analysis Date: 1/19/2023	SeqNo: 4179192
Analyte	Result	TestNo: E903.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC Val	Val	Qual
Radium-226	5.21	1.00 5.000 0 104 70 130 7.040 29.9 20		R

Sample ID: RLC-62171	SampType: RLC	TestCode: Radium-226_Units:	Prep Date: 1/12/2023	RunNo: 156998
Client ID: BatchQC	Batch ID: 62171	pCi/L	Analysis Date: 1/19/2023	SeqNo: 4179194
Analyte	Result	TestNo: E903.0 E903-904	LowLimit HighLimit RPD Ref	%RPD RPDLimit
		PQL SPK valueSPK Ref Val %REC Val	Val	Qual

Qualifiers: BAnalyte detected in the associated Method Blank EValue above quantitation range H Holding times for preparation or analy
JAnalyte detected below quantitation limits MManual Integration used to determine area response MC Value is below Minimum
Compound

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

ORELAP#: OR100028

ND Not Detected
PL Permit Limit

OGI
RRPD outside accepted recovery limits

Original
P Second column confirmation exceeds
RL Reporting Detection Limit

Page 12 of 17



Summit Environmental Technologies, Inc.
3310 W. St.
Clyde, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.wsetek.com>

QCS M A YREPOR

WO#: 23010276
24 Jan-23

Client: Columbia Laboratories
Project: 22-015589

Batch ID: 62171

Sample ID: RLC-62171	SampType: RLC	TestCode: Radium-226_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156998
Client ID: BatchQC	Batch ID: 62171	TestNo: E903.0 E903-904	Analysis Date: 1/19/2023	SeqNo: 4179194
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val	%RPD RPD Limit Qual
Radium-226	1.47	1.00 1.000 0	147 50 150	

Sample ID: RLCD-62171	SampType: RLC	TestCode: Radium-226_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156998
Client ID: BatchQC	Batch ID: 62171	TestNo: E903.0 E903-904	Analysis Date: 1/19/2023	SeqNo: 4179195
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val	%RPD RPD Limit Qual
Radium-226	ND	1.00 1.000 0	89.0 50 150	

Sample ID: 23010414-001AMS	SampType: MS	TestCode: Radium-226_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156998
Client ID: BatchQC	Batch ID: 62171	TestNo: E903.0 E903-904	Analysis Date: 1/19/2023	SeqNo: 4179196
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val	%RPD RPD Limit Qual
Radium-226	5.55	1.00 5.000 0	111 70 130	QL+

Sample ID: 23010415-001ADUP	SampType: DUP	TestCode: Radium-226_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156998
Client ID: BatchQC	Batch ID: 62171	TestNo: E903.0 E903-904	Analysis Date: 1/19/2023	SeqNo: 4179199
Analyte	Result	PQL SPK value SPK Ref Val	LowLimit HighLimit RPD Ref Val	%RPD RPD Limit Qual
Radium-226	ND	1.00	0 0 20	QL+

Order 22-015589

Page 14 of 21

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12423 NE Whitaker Way
Portland, OR 97230

503-254-1794

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

ORELAP#: OR100028

Qualifiers: B Analyte detected in the associated Method Blank E Value above quantitation range H Holding times for preparation or analy
J Analyte detected below quantitation limits M Manual Integration used to determine area response MC Value is below Minimum
Compound

ND Not Detected
PL Permit Limit

OGI
RRPD outside accepted recovery limits

P Second column confirmation exceeds
RL Reporting Detection Limit

Original

Page 13 of 17



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC.
Analytical Laboratories

Summit Environmental Technologies, Inc.
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Cynthiana, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.summittek.com>

QCS M A YREPOR

WO#: 23010276
24 Jan 23

Client: Columbia Laboratories

Project: 22-015589

Batch ID: 62171

Sample ID: 23010415-001ADUP	SampType: DUP	TestCode: Radium-226_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156998
Client ID: BatchQC	Batch ID: 62171	TestNo: E903.0 E903-904	Analysis Date: 1/19/2023	SeqNo: 4179199
Analyte	Result	PQL SPK value SPK Ref Val %REC Val	LowLimit HighLimit RPD Ref	%RPD RPD Limit Qual
Yield	0.940		0.9900	5.18 0

Sample ID: 23010418-001ADUP	SampType: DUP	TestCode: Radium-226_Units: pCi/L	Prep Date: 1/12/2023	RunNo: 156998
Client ID: BatchQC	Batch ID: 62171	TestNo: E903.0 E903-904	Analysis Date: 1/19/2023	SeqNo: 4179201
Analyte	Result	PQL SPK value SPK Ref Val %REC Val	LowLimit HighLimit RPD Ref	%RPD RPD Limit Qual
Radium-226	ND	1.00	0	0 20 QL+
Yield	0.900		0.9400	4.35 0

Order 22-015589

Page 15 of 21

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

ORELAP#: OR100028

Qualifiers: BAnalyte detected in the associated Method Blank EValue above quantitation range HHolding times for preparation or analysis
 JAnalyte detected below quantitation limits MManual Integration used to determine area response MC Value is below Minimum
 Compound
 NDNot Detected OG1 Original
 PLPermit Limit RRPD outside accepted recovery limits PSecond column confirmation exceeds
 RLReporting Detection Limit

Page 14 of 17



SUMMIT
ENVIRONMENTAL TECHNOLOGIES, INC
Analytical Laboratories

Summit Environmental Technologies, Inc.
3310 Wilson
Cuyahoga Falls, Ohio 44222
TEL: (330) 253-8211 FAX: (330) 253-4488
Website: <http://www.summitc.com>

Qualifiers and Acronyms

W O #: 23010276
Date: 1/24/2023

These commonly used Qualifiers and Acronyms may or may not be present in this report.

Qualifiers

U The compound was analyzed for but was not detected.
 J The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
 H The hold time for sample preparation and/or analysis was exceeded.
 D The result is reported from a dilution.
 E The result exceeded the linear range of the calibration or is estimated due to interference.
 MC The result is below the Minimum Compound Limit.
 * The result exceeds the Regulatory Limit or Maximum Contamination Limit.
 m Manual integration was used to determine the area response.
 d Manual integration in which peak was deleted
 N The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
 P The second column confirmation exceeded 25% difference.
 C The result has been confirmed by GC/MS.
 X The result was not confirmed when GC/MS Analysis was performed.
 B/MB+ The analyte was detected in the associated blank.
 G The ICB or CCB contained reportable amounts of analyte.
 QC/+ The CCV recovery failed low (-) or high (+).
 R/QDR The RPD was outside of accepted recovery limits.
 QL/+ The LCS or LCSD recovery failed low (-) or high (+).
 QLR The LCS/LCSD RPD was outside of accepted recovery limits.
 QM/+ The MS or MSD recovery failed low (-) or high (+).
 QMR The MS/MSD RPD was outside of accepted recovery limits.
 QV/+ The ICV recovery failed low (-) or high (+).
 S The spike result was outside of accepted recovery limits.
 Z Deviation: A deviation from the method was performed; Please refer to the Case Narrative for additional information

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Melted Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time

RLC Reporting Limit Check CF Calibration Factor DF Dilution Factor RF Response Factor



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

ORELAP#: OR100028

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.

Original

Page 15 of 17

Order 22-015589

Page 17 of 21

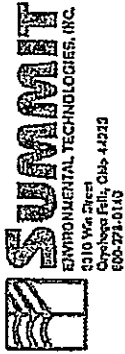
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EE-01000311 Rev 4
Effective Date: 3/1/2015

Analysis Request / Chain of Custody

For Summit Environmental Technologies, Inc. use only.



Page 16 of 17

Page of **23010276**

Client Name: Columbia Laboratories
Client Address: 12423 NE Whitaker Way, Portland, OR, 97230
Client Phone: 503-254-1794
Client Email: mark.lead@columbiainc.com

Project Name/Location: **22-015589**
Project Address: **Summit Environmental Technologies**

Report to Mark Lead
PO #
PWS ID
Facility ID

Reporting/Regulation Requirements:
 If for Ohio VAP
 If for Drinking Water Compliance
 Other Compliance (State or Federal)

Sample ID: **A48**
Sample Description: **DRINKING WATER**
Sample Identification: **1100**
Date Collected: **1/20/23**
Time Collected: **11:28**

Relinquished At: **MC**
Date: **1-4-23**
Time: **11:28**

Requester Name: **Allyssa Kachuba**
Title: **1000**
Phone: **170.10.30.73**
Email: **UPS, BOX**

Number of Containers: **26/228**
Type of Container: **Radium 226/228**

Notes / Comments:
Was sufficient volume provided to run (C): YES / NO
Cooler: YES / NO Other: _____
Rec. Temp: _____ Rec: YES / NO / mixed

CRM #
B S
US S

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Summit Environmental Technologies, Inc.
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Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211 FAX: (330) 253-4489
Website: <http://www.settek.com>

Sample Log-In Check List

Client Name: COL-OR-97230	Work Order Number: 23010276	ReptNo: 1
Logged by: Anthony W. Britton	1/5/2023 10:00:00 AM	<i>Anthony Britton</i>
Completed By: Anthony W. Britton	1/6/2023 2:09:27 PM	<i>Anthony Britton</i>
Reviewed By: Brian J. Fackelman	1/9/2023 4:07:52 PM	<i>B. Fackelman</i>

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? UPS

Log In

- 3. Coolers are present? Yes No NA
- 4. Shipping container/cooler in good condition? Yes No
- Custody seals intact on shipping container/cooler? Yes No Not Present
- No. Seal Date: Signed By:
- 5. Was an attempt made to cool the samples? Yes No NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- Not required
- 7. Sample(s) in proper container(s)? Yes No
- 8. Sufficient sample volume for indicated test(s)? Yes No
- 9. Are samples (except VOA and ONG) properly preserved? Yes No
- 10. Was preservative added to bottles? Yes No NA
- 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes No No VOA Vials
- 12. Were any sample containers received broken? Yes No
- 13. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 14. Are matrices correctly identified on Chain of Custody? Yes No
- 15. Is it clear what analyses were requested? Yes No
- 16. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

Special Handling (if applicable)

- 17. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	eMail Phone Fax In Person
Regarding:	_____		
Client Instructions:	_____		

- 18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
Box	17.3	Good	Not Present			



12423 NE Whitaker Way
Portland, OR 97230

Report Number: 22-015589/D001.R00
Report Date: 01/30/2023
ORELAP#: OR100028



Environmental Chain of Custody Record

MTVIEWMOBI 22-015589



Please inform us if you know or suspect that any part of your sample may contain hazardous materials or chem.

Company: <u>Mt. View Co-op</u> Address: _____ City: _____ State: _____ Zip: _____ Contact: _____ Email: _____ Phone: (____) _____ Billing contact (if different): Address: _____ City: _____ State: _____ Zip: _____ Contact: _____ Email: _____ Phone: (____) _____	Analysis Requested <u>Uranium Radium 226/228</u>	PO Num: <u>Mountain View Co-op</u> Project Num: _____ Project Name: _____ Custom Reporting: _____ <input type="checkbox"/> Report to State: _____ Turnaround time Requested (Business Days) ** <input type="checkbox"/> - 5BD <input type="checkbox"/> - 4 BD <input type="checkbox"/> - 3 BD <input type="checkbox"/> - 2 BD <input type="checkbox"/> - End of Next day * *Ask for availability Sampled by: _____
Preservative code: If none leave blank *		

Lab ID	Field / Sample ID	Date/Time	Matrix?	Comments
	A & B	11-20-22 11:00 XX	DW	lot # 8440 (x2)

Relinquished By:	Date	Time	Received By:	Date	Time	Lab Use Only:
<u>Rick White</u>	11-20-22	11:55	<u>MRS</u>	12/20	11:55	<input type="checkbox"/> Shipped Via: <u>CFL</u> or <input type="checkbox"/> Client drop off Evidence of cooling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): <u>12.3</u> Temp or Hold time out, proceed?: <input type="checkbox"/> yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____
<u>MRS</u>	12/20	12:49	<u>AC</u>	12-20	12:49	

**Samples received after 3pm are considered as received the following business day.

* Preservative Codes: HCL = "CL"; H₂SO₄ = "HS"; NHO₃ = "NS"; NaOH = "NH"; ZnAc = "Zn" | ** Matrix Code: Drinking water (DW); Ground or Well Water (GW); Storm Water (SW); Waste Water (WW); Waste (W); Solid (S)

Samples submitted to CL with testing requirements constitute an agreement for services in accordance with the current terms of service. By signing "Relinquished by" you are agreeing to these terms.

12423 NE Whitaker Way

P: (503) 254-1794 | Fax: (503) 254-1452
info@columbiaboratories.com

Page _____ of _____
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12423 NE Whitaker Way
Portland, OR 97230

503-254-1794

Report Number: 22-015589/D001.R00

Report Date: 01/30/2023

ORELAP#: OR100028

Case Narrative

No Case Narrative notes to report.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00
Report Date: 01/09/2023
ORELAP#: OR100028
Purchase Order:
Project Name: VOC 2022
Project No:



Cover Letter

Mountain View Co-op
c/o Cooperative Management Inc.
P.O. Box 490
Gold Beach, OR 97444
United States of America (USA)

Dear Tamie Kaufman,

Enclosed please find Columbia Laboratories analytical report for samples received as order number 22-015583 on 12/20/2022 at 12:45. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

NOTE: Some or all of this analysis was subcontracted to BSK Associates in Vancouver, WA who subsequently sent it to BSK Associates in Fresno, CA. BSK Associates is an ORELAP accredited laboratory.

Thank you for allowing Columbia Laboratories to be of service to you, we appreciate your business.

Sincerely,

Derrick Tanner
General Manager

Order 22-015583

Page 1 of 24

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Water System Information:	Sample Information: A & B	
PWS ID: 4101125	Collection Date: 12/20/22	Collection Time: 11:00 AM
PWS Name: Mountain View Mobile Estates EP for Wellfield	Sample Point: EP-B	
PWS Address: 18150 SW Boones Ferry Rd. Portland, OR 97224	All compliance samples to be taken at Entry Point (EP). This is after treatment (if any) and prior to first user.	
	Sample/Lab ID: 22-015583-0001	
	Notes:	
Lab PERFORMING Analysis *Sample was analyzed by BSK Associates in Fresno, CA, ORELAP #4021		

Analytical results meet all NELAC requirements unless otherwise noted
*separate forms needed for each analyzing lab

Volatile Organic Chemicals

Code	Contaminant	MCL mg/L	Analysis mg/L	LOQ	Method	Date	Notes
2378	1,2,4-Trichlorobenzene*	0.07	ND	0.0005	EPA 524.2	12/27/22	
2380	cis-1,2-Dichloroethylene*	0.07	ND	0.0005	EPA 524.2	12/27/22	
2955	Total Xylenes*	10	ND	0.0005	EPA 524.2	12/27/22	
2964	Dichloromethane*	0.005	ND	0.0005	EPA 524.2	12/27/22	
2968	o-Dichlorobenzene*	0.6	ND	0.0005	EPA 524.2	12/27/22	
2969	p-Dichlorobenzene*	0.075	ND	0.0005	EPA 524.2	12/27/22	
2976	Vinyl Chloride*	0.002	ND	0.0005	EPA 524.2	12/27/22	
2977	1,1-Dichloroethylene*	0.007	ND	0.0005	EPA 524.2	12/27/22	
2979	trans-1,2-Dichloroethylene*	0.1	ND	0.0005	EPA 524.2	12/27/22	
2980	1,2-Dichloroethane*	0.005	ND	0.0005	EPA 524.2	12/27/22	
2981	1,1,1-Trichloroethane*	0.2	ND	0.0005	EPA 524.2	12/27/22	
2982	Carbon Tetrachloride*	0.005	ND	0.0005	EPA 524.2	12/27/22	
2983	1,2-Dichloropropane*	0.005	ND	0.0005	EPA 524.2	12/27/22	
2984	Trichloroethylene*	0.005	ND	0.0005	EPA 524.2	12/27/22	
2985	1,1,2-Trichloroethane*	0.005	ND	0.0005	EPA 524.2	12/27/22	
2987	Tetrachloroethylene*	0.005	ND	0.0005	EPA 524.2	12/27/22	

Order 22-015583



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-015583/D001.R00
 Report Date: 01/09/2023
 ORELAP#: OR100028

Volatile Organic Chemicals

Code	Contaminant	MCL mg/L	Analysis mg/L	LOQ	Method	Date	Notes
2989	Chlorobenzene*	0.1	ND	0.0005	EPA 524.2	12/27/22	
2990	Benzene*	0.005	ND	0.0005	EPA 524.2	12/27/22	
2991	Toluene*	1	ND	0.0005	EPA 524.2	12/27/22	
2992	Ethylbenzene*	0.7	ND	0.0005	EPA 524.2	12/27/22	
2996	Styrene*	0.1	ND	0.0005	EPA 524.2	12/27/22	

*Sample was analyzed by BSK Associates in Fresno, CA, ORELAP #4021

Laboratory ID: OR100028

Abbreviations:

LOQ: Level of Quantification

NA (Not Analyzed): In the results column indicates this this compound was not included in the current analysis.

MCL: Maximum Contamination Level (Limit) - The water is considered safe for drinking if the analytical results are below this federal recommended action level.

ND: None Detected at or above the Level of Quantification



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00
Report Date: 01/09/2023
ORELAP#: OR100028



BSK Associates Vancouver
2517 E. Evergreen Blvd.
Vancouver, WA 98661
360-750-0055 (Main)

VFL0553
1/06/2023

Mark Leed
Columbia Laboratories
12423 NE Whitaker Way
Portland, OR 97230

RE: Report for VFL0553 Subcon w /OR DOH report

Dear Mark Leed,

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 12/21/2022. 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 2016 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.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Project Manager, VAL PM Staff, at (360) 750-0055.

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

Sincerely,


Elizabeth Bungler, Laboratory Director - Vancouver



Accredited in Accordance with NELAP
ORELAP #WA100008

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

VFL0553 FINAL 01062023 1023

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Page 1 of 12



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00
Report Date: 01/09/2023
ORELAP#: OR100028



VFL0553
Subcon w /OR DOH report

Case Narrative

Project and Report Details **Invoice Details**

Client: Columbia Laboratories
Report To: Mark Leed
Project #: 22-015583
Received: 12/21/2022 - 15:28
Report Due: 1/06/2023

Invoice To: Columbia Laboratories
Invoice Attn: Shallah Gale
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C : 3.8

Containers Intact
COC/Labels Agree
Received On Blue Ice
Packing Material - Other
Sample(s) were received in temperature range.
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:
Mark Leed	FINAL.RPT	Danielle.Weir@tentamus.com
Mark Leed	ORDHS_FINAL.RPT	Danielle.Weir@tentamus.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

VFL0553 FINAL 01062023 1023

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Page 2 of 12



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-015583/D001.R00
 Report Date: 01/09/2023
 ORELAP#: OR100028



VFL0553
 Subcon w /OR DOH report
 22-015583

Certificate of Analysis

Sample ID: VFL0553-01
 Sampled By: Client
 Sample Description: A & B

Sample Date - Time: 12/20/2022 - 11:00
 Matrix: Drinking Water
 Sample Type: Routine

BSK Associates Laboratory Fresno
 Organics

Analysis	Method	Result	GL	Unit	RL	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
1,1,2-Trichloroethane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
1,1-Dichloroethane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
1,2-Dichlorobenzene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
1,2-Dichloroethane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
1,2-Dichloropropane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
1,4-Dichlorobenzene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Benzene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Carbon Tetrachloride	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Chlorobenzene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
cis-1,2-Dichloroethane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Dichloromethane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Ethylbenzene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
m,p-Xylenes	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
o-Xylene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Styrene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Toluene	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
trans-1,2-Dichloroethane	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Trichloroethane (TCE)	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Vinyl Chloride	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Total Xylenes	EPA 524.2	ND	0.00050	mg/L	1	AFL1717	12/27/22	12/27/22	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	103 %							Acceptable range: 70-130 %
Surrogate: Bromofluorobenzene	EPA 524.2	103 %							Acceptable range: 70-130 %

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

VFL0553 FINAL 01062023 1023

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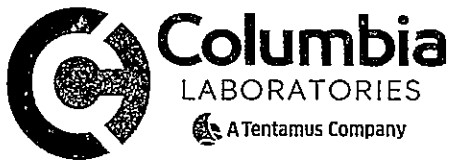
Page 3 of 12

Order 22-015583

Page 6 of 24

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-015583/D001.R00
 Report Date: 01/09/2023
 ORELAP#: OR100028



VFL0553
 Subcon w /OR DOH report

BSK Associates Laboratory Fresno
 Organics Quality Control Report

Analysis	Result	RL	Units	Spike Level	Source Result	REC	REC Limit	RPD Limit	Date Analyzed	Qubit
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EPA 524.2 - Quality Control

Batch: AFL1717

Prepared: 12/27/2022

Prep Method: EP A 524.2

Analyst: JNG

Blank (AFL1717-BLK1)										
1,1,1-Trichloroethane	ND	0.00050	mg/L						12/27/22	
1,1,2-Trichloroethane	ND	0.00050	mg/L						12/27/22	
1,1-Dichloroethene	ND	0.00050	mg/L						12/27/22	
1,2,4-Trichlorobenzene	ND	0.00050	mg/L						12/27/22	
1,2-Dichlorobenzene	ND	0.00050	mg/L						12/27/22	
1,2-Dichloroethane	ND	0.00050	mg/L						12/27/22	
1,2-Dichloropropane	ND	0.00050	mg/L						12/27/22	
1,4-Dichlorobenzene	ND	0.00050	mg/L						12/27/22	
Benzene	ND	0.00050	mg/L						12/27/22	
Carbon Tetrachloride	ND	0.00050	mg/L						12/27/22	
Chlorobenzene	ND	0.00050	mg/L						12/27/22	
cis-1,2-Dichloroethane	ND	0.00050	mg/L						12/27/22	
Dichloromethane	ND	0.00050	mg/L						12/27/22	
Ethylbenzene	ND	0.00050	mg/L						12/27/22	
m,p-Xylenes	ND	0.00050	mg/L						12/27/22	
o-Xylene	ND	0.00050	mg/L						12/27/22	
Styrene	ND	0.00050	mg/L						12/27/22	
Tetrachloroethene (PCE)	ND	0.00050	mg/L						12/27/22	
Toluene	ND	0.00050	mg/L						12/27/22	
trans-1,2-Dichloroethene	ND	0.00050	mg/L						12/27/22	
Trichloroethene (TCE)	ND	0.00050	mg/L						12/27/22	
Vinyl Chloride	ND	0.00050	mg/L						12/27/22	
Total Xylenes	ND	0.00050	mg/L						12/27/22	
Surrogate: 1,2-Dichlorobenzene-d4	0.051			0.050		103	70-130		12/27/22	
Surrogate: Bromofluorobenzene	0.050			0.050		101	70-130		12/27/22	
Blank Spike (AFL1717-BS1)										
1,1,1-Trichloroethane	0.010	0.00050	mg/L	0.010	ND	103	70-130		12/27/22	
1,1,2-Trichloroethane	0.010	0.00050	mg/L	0.010	ND	102	70-130		12/27/22	
1,1-Dichloroethene	0.010	0.00050	mg/L	0.010	ND	101	70-130		12/27/22	
1,2,4-Trichlorobenzene	0.011	0.00050	mg/L	0.010	ND	108	70-130		12/27/22	
1,2-Dichlorobenzene	0.011	0.00050	mg/L	0.010	ND	114	70-130		12/27/22	
1,2-Dichloroethane	0.010	0.00050	mg/L	0.010	ND	102	70-130		12/27/22	
1,2-Dichloropropane	0.010	0.00050	mg/L	0.010	ND	104	70-130		12/27/22	
1,4-Dichlorobenzene	0.011	0.00050	mg/L	0.010	ND	113	70-130		12/27/22	
Benzene	0.010	0.00050	mg/L	0.010	ND	100	70-130		12/27/22	
Carbon Tetrachloride	0.010	0.00050	mg/L	0.010	ND	103	70-130		12/27/22	
Chlorobenzene	0.010	0.00050	mg/L	0.010	ND	104	70-130		12/27/22	
cis-1,2-Dichloroethane	0.0098	0.00050	mg/L	0.010	ND	98	70-130		12/27/22	
Dichloromethane	0.0099	0.00050	mg/L	0.010	ND	99	70-130		12/27/22	
Ethylbenzene	0.011	0.00050	mg/L	0.010	ND	107	70-130		12/27/22	
m,p-Xylenes	0.021	0.00050	mg/L	0.020	ND	105	70-130		12/27/22	
o-Xylene	0.011	0.00050	mg/L	0.010	ND	106	70-130		12/27/22	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

VFL0553 FINAL 01062023 1023

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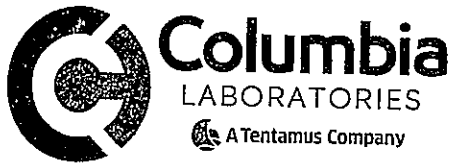
Page 4 of 12

Order 22-015583

Page 7 of 24

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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
 Portland, OR 97230
 503-254-1794

Report Number: 22-015583/D001.R00
 Report Date: 01/09/2023
 ORELAP#: OR100028



VFL0553
 Subcon w /OR DOH report

BSK Associates Laboratory Fresno
 Organics Quality Control Report

Analyte	Result	AL	Units	Spike Label	Surrogate Result	PREC	Units	RFD	Unit	Date Analyzed	Org
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EPA 524.2 - Quality Control

Batch: AFL1717

Prep Method: EP A 524.2

Prepared: 12/27/2022

Analyst: JNG

Blank Spike (AFL1717-BS1)

Styrene	0.010	0.0050	mg/L	0.010	ND	104	70-130			12/27/22	
Tetrachloroethene (PCE)	0.011	0.0050	mg/L	0.010	ND	106	70-130			12/27/22	
Toluene	0.010	0.0050	mg/L	0.010	ND	103	70-130			12/27/22	
trans-1,2-Dichloroethene	0.010	0.0050	mg/L	0.010	ND	103	70-130			12/27/22	
Trichloroethene (TCE)	0.010	0.0050	mg/L	0.010	ND	103	70-130			12/27/22	
Vinyl Chloride	0.010	0.0050	mg/L	0.010	ND	104	70-130			12/27/22	
Surrogate: 1,2-Dichlorobenzene-d4	0.054			0.050		108	70-130			12/27/22	
Surrogate: Bromofluorobenzene	0.054			0.050		108	70-130			12/27/22	

Blank Spike Dup (AFL1717-BSD1)

1,1,1-Trichloroethane	0.0096	0.0050	mg/L	0.010	ND	96	70-130	7	30	12/27/22	
1,1,2-Trichloroethane	0.010	0.0050	mg/L	0.010	ND	102	70-130	1	30	12/27/22	
1,1-Dichloroethene	0.0092	0.0050	mg/L	0.010	ND	92	70-130	9	30	12/27/22	
1,2,4-Trichlorobenzene	0.011	0.0050	mg/L	0.010	ND	107	70-130	1	30	12/27/22	
1,2-Dichlorobenzene	0.011	0.0050	mg/L	0.010	ND	111	70-130	2	30	12/27/22	
1,2-Dichloroethane	0.010	0.0050	mg/L	0.010	ND	100	70-130	2	30	12/27/22	
1,2-Dichloropropane	0.0099	0.0050	mg/L	0.010	ND	99	70-130	5	30	12/27/22	
1,4-Dichlorobenzene	0.011	0.0050	mg/L	0.010	ND	111	70-130	2	30	12/27/22	
Benzene	0.0094	0.0050	mg/L	0.010	ND	94	70-130	6	30	12/27/22	
Carbon Tetrachloride	0.0095	0.0050	mg/L	0.010	ND	95	70-130	9	30	12/27/22	
Chlorobenzene	0.010	0.0050	mg/L	0.010	ND	100	70-130	4	30	12/27/22	
cis-1,2-Dichloroethene	0.0093	0.0050	mg/L	0.010	ND	93	70-130	5	30	12/27/22	
Dichloromethane	0.0095	0.0050	mg/L	0.010	ND	95	70-130	4	30	12/27/22	
Ethylbenzene	0.010	0.0050	mg/L	0.010	ND	100	70-130	6	30	12/27/22	
m,p-Xylenes	0.020	0.0050	mg/L	0.020	ND	99	70-130	6	30	12/27/22	
o-Xylene	0.010	0.0050	mg/L	0.010	ND	100	70-130	5	30	12/27/22	
Styrene	0.010	0.0050	mg/L	0.010	ND	100	70-130	4	30	12/27/22	
Tetrachloroethene (PCE)	0.010	0.0050	mg/L	0.010	ND	101	70-130	5	30	12/27/22	
Toluene	0.0096	0.0050	mg/L	0.010	ND	96	70-130	6	30	12/27/22	
trans-1,2-Dichloroethene	0.0095	0.0050	mg/L	0.010	ND	95	70-130	8	30	12/27/22	
Trichloroethene (TCE)	0.0096	0.0050	mg/L	0.010	ND	96	70-130	7	30	12/27/22	
Vinyl Chloride	0.0095	0.0050	mg/L	0.010	ND	95	70-130	9	30	12/27/22	
Surrogate: 1,2-Dichlorobenzene-d4	0.056			0.050		112	70-130			12/27/22	
Surrogate: Bromofluorobenzene	0.056			0.050		112	70-130			12/27/22	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

VFL0553 FINAL 01062023 1023

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Page 5 of 12



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00

Report Date: 01/09/2023

ORELAP#: OR100028



VFL0553

Subcon w /OR DOH report

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 those 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.
 - Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
 - 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.
 - (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
- Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

VFL0553 FINAL 01062023 1023

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Page 6 of 12

Order 22-015583

Page 9 of 24

www.columbialaboratories.com

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00

Report Date: 01/09/2023

ORELAP#: OR100028



VFL0553
Subcon w /OR DOH report

Certificate of Analysis

Definitions

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%: Percent
NR: Non-Reportable

MDL: Method Detection Limit
RL: Reporting Limit: DL x Dilution
ND: None Detected below MRL/MDL
pCi/L: PicoCuries per Liter
RL Mult: RL Multiplier
MCL: Maximum Contaminant Limit

MDA95: Min. Detected Activity
MPN: Most Probable Number
CFU: Colony Forming Unit
Absent: Less than 1 CFU/100mLs
Present: 1 or more CFU/100mLs
U: The analyte was not detected at or above the reported sample quantitation limit.

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

The following parameters are calculated values and are outside the scope of our NELAP accreditation :

Total Nitrogen Aggressive Index Trivalent Chromium

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

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

VFL0553 FINAL 01062023 1023

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Page 7 of 12

Order 22-015583

Page 10 of 24

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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00

Report Date: 01/09/2023

ORELAP#: OR100028

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
Los Angeles CSD	9254479	NELAP certified	4021-019
State of Nevada	CA000792022-1	State of Oregon - NELAP	4021-019
EPA UCMRS	CA00079	State of Washington	C997-22a
Sacramento			
State of California - ELAP	1180-S1		
San Bernardino			
State of California - ELAP	2993	Los Angeles CSD	9254478
NELAP certified	4119-007	State of Oregon - NELAP	4119-007
Vancouver			
NELAP certified	WA100008-015	State of Oregon - NELAP	WA100008-015
State of Washington	C824-22		

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VFL0553 FINAL 01062023 1023

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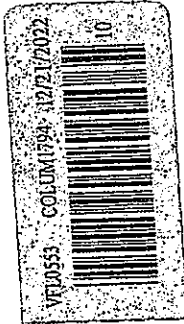
Page 8 of 12

Order 22-015583

Page 11 of 24

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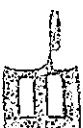
Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



Turnaround Time Request
 Standard - 10 business days
 Rush (Surcharge may apply)
 Date needed

2517 E. L. Engstrom Blvd
Vancouver, WA 98661
P 360-750-0055
F 360-750-0057
www.tentamusa.com

ASSOCIATES



Page 1 of 1
 Tent # 38 IR# 13
 Report Number: 22-015583
 Mark Level: Blank Level of tentamus.com

Company Name: Columbia Laboratories
 Address: 12423 NE Whitaker Way
 City: Portland State: OR Zip: 97230
 Phone: 503-254-1794
 Fax: 503-254-1794
 Email: mark.level@tentamus.com

Sample ID: 22-015583
 DO11 Source/Source ID: 410125
 Country: OR
 Destination Sample:

Completion: No Yes
 Water System: No Yes
 Sample Composition: Sample Source Composite No Treatment A B
 Sample Taken: Inlet After Treatment No Treatment

Sample Description/Location: IAC Trip Blank
 Date: 12/21/20
 Matrix: DW
 Comments: 3

Residuals: AC
 Date: 12/21/20
 Matrix: DW
 Comments: 3

Signature: [Signature]
 Date: 12/21/20

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Labeled by: _____

COC Info		Bottles Received				Split		Comments	
Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	Yes	None (P) White Cap							
If samples were taken today, is there evidence that chilling has begun?	Yes	Cr6 (P) Green Label/Blue Cap NH4OH(NH4)2SO4 DW							
Did all bottles arrive unbroken and intact?	Yes	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)2SO4 WW							
Did all bottle labels agree with COC?	Yes	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)2SO4 7199							
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes	HNO3 (P) Red Cap Of HCl (P) Purple Cap/Blue Label							
Was a sufficient amount of sample received? (Vials Only)	Yes	H2SO4 (P) or (AG) Yellow Cap/Label							
Were there bubbles in the VOA vials?	Yes	NaOH (P) Green Cap							
Were correct containers and preservatives received for the tests requested?	Yes	NaOH + ZnAc (P)							
Were there bubbles in the VOA vials?	Yes	Dissolved Oxygen 300ml (g)							
Do samples have a hold time < 72 hours?	Yes	None (AG) 608/8081/8082; 825; 832/8321; 8151; 8270							
Was PM notified of discrepancies?	Yes	HCl (AG) Blue Label 0.8G, Diesel							
BY/Time:		Ascorbic, EDTA, KH2C(A)G Pink Label 525							
		Na2S2O3 250mL (AG) Neon Green Label 515							
		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							
		NH4Cl (AG) Purple Label 552							
		EDA (AG) Brown Label DBPS							
		HCL (CG) 524, 2, BTEX Gas, MTBE, 8260/624							
		Buffer, pH 4 (CG)							
		THPCO (CG) Salmon Label							
		Other: TB CB VOA							
		Asbestos 1 Liter Plastic W/Foil							
		Low Level Hg / Metals Double Baggie							
		Bottled Water							
		Clear Glass 250mL / 500mL / 1 Liter							
		Soil Tube Brass / Steel / Plastic							
		Lead Bag / Plastic Bag							

BR 12/2/22



BSK Bottles: Yes No
Sample Integrity
BSK Associates VAL-FL-0048-02
Page 10 of 12

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00

Report Date: 01/09/2023

ORELAP#: OR100028



SAMPLE TRANSIT ORDER

VFL0553

VAL PM Staff



Receipt temp @ FAL: 4.4 Thermometer/ IR Gun ID: 53

SENDING LABORATORY:

BSK Associates Vancouver
2517 E. Evergreen Blvd.
Vancouver, WA 98661
360-750-C055 (Main)
360-750-C057 (FAX)

Project Manager: VAL PM Staff
E-mail: ebunger@bskassociates.com

RECEIVING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)
559-485-6935 (FAX)

Turnaround (Days): Standard
QC Deliverables: I Std III IV

Client: Columbia Laboratories

Sample ID	Samp Desc	Client Matrix	Sample Date
VFL0553-01	A+B Lab Matrix: Water Analysis: EPA 524.2, OR subtest	Drinking Water	12/20/2022 11:00
VFL0553-02	Trip Blank Lab Matrix: Water Analysis: EPA 524.2, OR subtest	Water	12/20/2022 11:00
<u>Containers Included</u>			
VFL0553-01	A	Z- 40mL VOA / HCL	
VFL0553-01	B	Z- 40mL VOA / HCL	
VFL0553-01	C	Z- 40mL VOA / HCL	
VFL0553-02	A	Z- 40mL VOA / HCL	

Brittany Lane 12/22/22
Released By _____ Date _____

Received By *[Signature]* Date 12-27-22 1400

Released By _____ Date _____

Received By _____ Date _____

BIBW/AA

SR-FL-0052-00
Page 11 of 12

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

SAMPLE TRANSIT INTEGRITY

PM: VAL PM Staff

VFL0553
12/21/2022
COLUM1794
10



BSK Bottles: Yes No Page 1 of 1

COC Info		Was temperature within range? Chemistry ≤ 6°C Micro ≤ 8°C		Yes No NA		Were correct containers and preservatives received for the tests requested?		Yes No NA	
Did all bottles arrive unbroken and intact?				<u>Yes</u> No NA		Bubbles Present VOAs (524.2/TCP/TTHM)?		Yes No <u>NA</u>	
Was a sufficient amount of sample received?				<u>Yes</u> No NA		TB Received? (Check Method Below)		Yes No <u>NA</u>	
Do samples have a hold time <72 hours?				<u>Yes</u> No NA		Was PM notified of discrepancies? PM: By/Time:		Yes No <u>NA</u>	
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?				Yes No <u>NA</u>					
Bottles Received "—" means preservation/chlorine checks are either N/A or are performed in the lab	250ml(A) 500ml(B) 1 Liter(C) 40ml VOA(T)	Checks	Passed?						
	Buc: Na2S2O3	---	---						
	Norm (P) White Cap	---	---						
	Cr6 (P) Lt Green Label/Blue Cap NH4OH(NH4)SO4 DW	Cl, pH > 8	P	F					
	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)SO4 WW	pH 9.3 - 9.7	P	F					
	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)SO4 7199 ***24 HOUR HOLD TIME***	pH 9.0 - 9.5	P	F					
	HNO3 (P) Red Cap or HCl (P) Purple Cap/Lt Blue Label	---	---						
	H2SO4 (P) or (AG) Yellow Cap/Label	pH < 2	P	F					
	NaOH (P) Green Cap	Cl, pH > 10	P	F					
	NaOH + ZnAc (P)	pH > 9	P	F					
	Dissolved Oxygen 300ml (g)	---	---						
	Norm (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	---	---						
	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	---	---						
	Ascorbic, EDTA, KH2Ct (AG) Pink Label 525	---	---						
	Na2SO3 250ml (AG) Neon Green Label 515	---	---						
	Na2SO3 1 Liter (Brown P) 549	---	---						
	Na2SO3 (AG) Blue Label 548, THM, 524	---	---						
	Na2SO3 (CG) Blue Label 504, 505, 547	---	---						
	Na2SO3 + MCAA (CG) Orange Label 531	pH < 3	P	F					
	MnCl (AG) Purple Label 552	---	---						
	EDS (AG) Brown Label DBPs	---	---						
	HC (CG) 524.2, BTEX, Gas, MTBE, 8260/624	---	---						
	Buffer pH 4 (CG)	---	---						
	H3PO4 (CG) Salmon Label	---	---						
	250mL P / Trizma 531.1	---	---						
Other:									
Asbestos 1L (P) w/Foil / 1L Metals Bottle	---	---							
Bottled Water	---	---							
Clear Glass 250ml / 500ml / 1 Liter	---	---							
Solids: Brass / Steel / Plastic Bag	---	---							
Split	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials		
	S P				S P				
Comments	✓ Indicates Blanks Received 504 _____ 524.2 _____ TCP _____ TTHM _____ 537 _____ 8260/624 _____								

12-27-22

TR

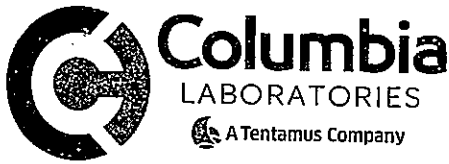
3V 1V TB

Labels Checked by: M@

Scanned by: M@

RUSH Paged by: @

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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00
Report Date: 01/09/2023
ORELAP#: OR100028



BSK Associates Vancouver
2517 E. Evergreen Blvd.
Vancouver, WA 98661
360-750-0055 (Main)



Oregon Drinking Water Program Chemical Analysis Report

Reviewed by

Elizabeth Bungler For VAL PM Staff, place holder

Page 1 of 5
Page 1 of 7

Order 22-015583

Page 16 of 24

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 Portland, OR 97230
 503-254-1794

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Report Date: 01/09/2023

ORELAP#: OR100028



BSK Associates Vancouver
 2517 E. Evergreen Blvd.
 Vancouver, WA 98661
 360-750-0055 (Main)



Oregon Drinking Water Program Chemical Analysis Report

Water System Information		Sample Information	
PWS ID: 4101125		Collection Date: 12/20/2022	Report Date: 01/06/2023
PWS Name:		Source ID (EP-A, EP-B, etc.):	
PWS Address:		Sample Type: Routine	
Location Information: A & B		Sample/Lab ID: VFL0553-01	


All compliance samples to be taken at Entry Point (EP). This is after treatment (if any) and prior to first user.
 Analytical results meet all NELAC requirements unless otherwise noted.
 *Separate forms needed for each analyzing lab

Lab PERFORMING Analysis - BSK Associates Laboratory Fresno 4021

OR DW - Regulated Volatile Compounds

Analyte Code	Analyte	MCL	Result	Limit of Quantitation	Test Method / Analyst
2981	1,1,1-Trichloroethane	0.2 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2985	1,1,2-Trichloroethane	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2977	1,1-Dichloroethylene	0.007 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2378	1,2,4-Trichlorobenzene	0.07 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2968	o-Dichlorobenzene	0.6 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2980	1,2-Dichloroethane	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2983	1,2-Dichloropropane	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2969	p-Dichlorobenzene	0.075 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2990	Benzene	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2982	Carbon Tetrachloride	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2989	Chlorobenzene	0.1 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2380	cis-1,2-Dichloroethene	0.07 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2964	Dichloromethane	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2992	Ethylbenzene	0.7 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2996	Styrene	0.1 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2987	Tetrachloroethylene	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2991	Toluene	1 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2979	trans-1,2-Dichloroethene	0.1 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2984	Trichloroethylene	0.005 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2976	Vinyl Chloride	0.002 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG
2955	Xylenes	10 mg/L	ND	0.00050 mg/L	EPA 524.2 / JNG

Reviewed by


 Elizabeth Bunger For VAL PM Staff, place holder

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Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00

Report Date: 01/09/2023

ORELAP#: OR100028



BSK Associates Vancouver
2517 E. Evergreen Blvd.
Vancouver, WA 98661
360-750-0055 (Main)



Oregon Drinking Water Program Chemical Analysis Report

VFL0553

Subcon w /OR DOH report

Detailed Narrative

No Comments.

Reviewed by

Elizabeth Bungler For VAL PM Staff, place holder

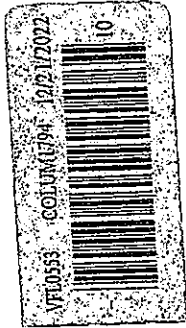
Page 3 of 5
Page 3 of 7

Order 22-015583

Page 18 of 24

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Turnaround Time Request
 Standard - 10 business days
 Rush (Surcharge may apply)
 Date needed

2517 E. Congress Blvd
 Corvallis, WA 97331
 P: 503.750.0065
 F: 503.750.0067
 www.columbiainstruments.com

ASSOCIATES

Page 7 of 7

38° IR# 73

Company/Client Name: Columbia Laboratories

Address: 12121 NE Whitaker Way
City: Portland
State: OR
Zip: 97230

Project: 22-015583

Sample Name (Please Specify): [Blank]

Compliance: Yes No **State:** OR **City:** [Blank]

Water System Name: [Blank] **Sample Source:** "Blended" "Composite" "Distribution Sample"

Sample Composition: "As soon as possible" "Before Treatment" "After Treatment" **Group (WA only):** A B

Sample Taken: "Before Treatment" "After Treatment" **DOH Source/Source ID:** 41-01125

Sample Description/Location: JACB Trip Blank

Sampled: Date: 12/22/2022 Time: 1:00 PM

Comments: BB 12/21/22

Signature: [Signature]

Phone: 503-254-1791 **Email:** mail@columbiainstruments.com

Report Number: 22-015583 **Report Date:** 01/09/2023

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12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00
Report Date: 01/09/2023
ORELAP#: OR100028

Labeled by: _____ @ _____

S P	S P	Container	Preservative	Date/Time/Initials	S P	S P	Comments
		Tedlar Bag / Plastic Bag					
		Soil Tube / Steel / Plastic					
		Clear Glass 250mL / 500mL / 1 Liter					
		Bottled Water					
		Low Level Hg / Metals Double Baggie					
		Asbestos - 1 Liter Plastic w/Foil					
		Other: TR CM UOH					
		H ₂ PO ₄ (G) (G)					
		Buffer pH: 4 (G)					
		HCl (G) 524.2, BTEX, Gas, MTBE, 8260/624					
		EDA (AG) Brown Label, DBPs					
		NH ₄ Cl (AG) Purple Label 552					
		NH ₂ O ₂ + MCAA (G) Orange Label 531					
		NH ₂ O ₂ (G) Blue Label 504, 505, 547					
		NH ₂ O ₂ (AG) Blue Label 548, THM, 524					
		NH ₂ O ₂ 1 Liter (Brown P) 549					
		NH ₂ O ₂ 250mL (AG) Neon Green Label 515					
		Ascorbic, EDTA, KH ₂ PO ₄ (AG) Pink Label 525					
		HCl (AG) Lt. Blue Label O&G, Diesel					
		None (AG) 508/6081/6092, 825, 832/8321, 8151, 8270					
		Dissolved Oxygen 300ml (g)					
		NaOH + ZnAc (P)					
		NaOH (P) Green Cap					
		H ₂ SO ₄ (P) or (AG) Yellow Cap/Label					
		HNO ₃ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label					
		Cr6 (P) Black Labeling Cap NH ₄ OH(NH ₄) ₂ SO ₄ 7199					
		Cr6 (P) Pink Labeling Cap NH ₄ OH(NH ₄) ₂ SO ₄ WW					
		Cr6 (P) Lt. Green Labeling Cap NH ₄ OH(NH ₄) ₂ SO ₄ DW					
		None (P) White Cap					
		Bacti Na ₂ S ₂ O ₃					
		250ml(A) 500ml(B) 1 Liter(C) 40ml VOA(V)					
		Was sodium thiosulfate added to CN sample(s)					
		Was chlorine was no longer present?					
		Was PM notified of discrepancies?					
		Do samples have a hold time < 72 hours?					
		Was a sufficient amount of sample received?					
		Were there bubbles in the VOA vials?					
		Were correct containers and preservatives received for the tests requested?					
		Were there bubbles in the VOA vials?					
		Were there bubbles in the VOA vials?					

BB 12/2/22

Bottles Received
* means preservation/hold time checks are either NA or are performed in the lab



BSK Bottles: Yes (No) of Page
Sample Integrity
BSK Associates VAL-FL-0048-02
Page 5 of 7

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



SAMPLE TRANSIT ORDER

VFL0553

VAL PM Staff



Receipt temp @ FAL: 4.4 Thermometer/ IR Gun ID: 53

SENDING LABORATORY:

BSK Associates Vancouver
2517 E. Evergreen Blvd.
Vancouver, WA 98661
360-750-0055 (Main)
360-750-0057 (FAX)

Project Manager: VAL PM Staff

E-mail: ebunger@bskassociates.com

RECEIVING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)
559-485-6935 (FAX)

Turnaround (Days): Standard

QC Deliverables: I Std III IV

Client: Columbia Laboratories

Sample ID	Samp Desc	Client Matrix	Sample Date
VFL0553-01	A+B	Drinking Water	12/20/2022 11:00
	Lab Matrix: Water		
	Analysis: EPA 524.2, OR subtest		
VFL0553-02	Trip Blank	Water	12/20/2022 11:00
	Lab Matrix: Water		
	Analysis: EPA 524.2, OR subtest		
Containers Included			
VFL0553-01	A	Z- 40mL VOA / HCL	
VFL0553-01	B	Z- 40mL VOA / HCL	
VFL0553-01	C	Z- 40mL VOA / HCL	
VFL0553-02	A	Z- 40mL VOA / HCL	

Released By: Brittany Lane Date: 12/22/22

Released By: _____ Date: _____

Received By: _____

Date: _____

Released By: _____

Date: _____

Received By: BIBW/AA

Date: 12-27-22 1400

BIBW/AA

SR-FL-0052-00

Page 6 of 7



12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 22-015583/D001.R00
Report Date: 01/09/2023
ORELAP#: OR100028

SAMPLE TRANSIT INTEGRITY

PM: VAL PM Staff

VFL0553
12/21/2022
COLUM1794
10



BSK Bottles: Yes No Page 1 of 1

COC Info		Was temperature within range? Chemistry ≤ 6°C Micro < 8°C		Yes No NA		Were correct containers and preservatives received for the tests requested?		Yes No NA	
Did all bottles arrive unbroken and intact?				<u>Yes</u> No NA		Bubbles Present VOAs (524.2/TCP/TTHM)?		Yes No NA	
Was a sufficient amount of sample received?				<u>Yes</u> No		TB Received? (Check Method Below)		Yes No NA	
Do samples have a hold time <72 hours?				<u>Yes</u> No		Was PM notified of discrepancies?		Yes No NA	
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?				Yes No <u>NA</u>		PM: By/Time:		Yes No <u>NA</u>	
Bottles Received "..." means preservation/chlorine checks are either N/A or are performed in the lab	250ml(A) 500ml(B) 1 Liter(C) 40ml VOA(N)	Checks	Passed?						
	Bac Na2S2O3	---	---						
	None (P) White Cap	---	---						
	Cr6 (P) Lt Green Label/Blue Cap NH4OH(NH4)SO4 DW	Cl, pH > 8	P F						
	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)SO4 WV	pH 9.3 - 9.7	P F						
	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)SO4 7199 ***24 HOUR HOLD TIME***	pH 9.0 - 9.5	P F						
	HNO3 (P) Red Cap or HCl (P) Purple Cap/lt Blue Label	---	---						
	H2SO4 (P) or (AG) Yellow Cap/Label	pH < 2	P F						
	NaOH (P) Green Cap	Cl, pH > 10	P F						
	NaOH + ZnAc (P)	pH > 9	P F						
	Dissolved Oxygen 300ml (g)	---	---						
	Nor (AG) 603/5081/8082, 625, 632/8321, 8151, 8270	---	---						
	HCl (AG) Lt Blue Label O&G, Diesel, TCP	---	---						
	Ascorbic, EDTA, KH2Cr (AG) Pink Label 525	---	---						
	Na2SO3 250ml (AG) Neon Green Label 515	---	---						
	Na2SO3 1 Liter (Brown P) 549	---	---						
	Na2SO3 (AG) Blue Label 548, THM, 524	---	---						
	Na2SO3 (CG) Blue Label 504, 505, 547	---	---						
	Na2SO3 + MCAA (CG) Orange Label 531	pH < 3	P F						
	NHCl (AG) Purple Label 552	---	---						
	EDS (AG) Brown Label DBPs	---	---						
	HC (CG) 524.2, BTEX, Gas, MTBE, 8260/624	---	---						
	Buffer pH 4 (CG)	---	---						
	H3PO4 (CG) Salmon Label	---	---						
	250ml P / Trizma 531.1	---	---						
Other:									
Asbestos 1L (P) w/Foil / 1L Metals Bottle	---	---							
Bottled Water	---	---							
Clear Glass 250ml / 500ml / 1 Liter	---	---							
Solids: Brass / Steel / Plastic Bag	---	---							
Split	Container	Preservative	Date/Time/Initials		Container	Preservative	Date/Time/Initials		
	S P				S P				
Comments								<input checked="" type="checkbox"/> Indicates Blanks Received 504 _____ 524.2 _____ TCP _____ TTHM _____ 537 _____ 8260/624 _____	

Labels Checked by: M@

Scanned by: M@

RUSH Paged by: @

SR-FL-0052-00
Page 7 of 7



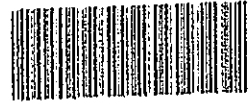
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Environmental Chain of Custody Record

MTVIEWMOBI 22-015583



Please inform us if you know or suspect that any part of your sample may contain hazardous materials or chemicals

Company: <u>MT View Co-op</u> Address: _____ City: _____ State: _____ Zip: _____ Contact: _____ Email: _____ Phone: () _____ Billing contact (if different): Address: _____ City: _____ State: _____ Zip: _____ Contact: _____ Email: _____ Phone: () _____	Analysis Requested Preservative code: If none leave blank †	PO Number Project Number <u>Mountain View Co-op</u> Project Name <u>✓</u> Custom Reporting: _____ <input type="checkbox"/> Report to State: _____ Turnaround time Requested (Business Days) ** <input type="checkbox"/> - 5BD <input type="checkbox"/> - 4 BD <input type="checkbox"/> - 3 BD <input type="checkbox"/> - 2 BD <input type="checkbox"/> - End of Next day * *Ask for availability Sampled by: _____
--	--	--

DO NOT WRITE

Lab ID	Field / Sample ID	Date/Time	Matrix **	Comments
	AEB	11-20-22 11:00 XX	DW	

Relinquished By:	Date	Time	Received By:	Date	Time	Lab Use Only:
<u>Ricki where</u>	<u>11-20-22</u>	<u>11:55</u>	<u>MRA</u>	<u>12/20</u>	<u>11:55</u>	<input type="checkbox"/> Shipped Via: <u>FE</u> or <input type="checkbox"/> Client drop off Evidence of cooling: <input checked="" type="checkbox"/> yes <input type="checkbox"/> No - Temp (°C): <u>12.9</u> Temp or Hold time out, proceed?: <input type="checkbox"/> yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: _____
<u>MRA</u>	<u>12/20</u>	<u>12:45</u>	<u>AC</u>	<u>12-20</u>	<u>12:45</u>	

**Samples received after 3pm are considered as received the following business day.

† Preservative Codes: HCl = "CL"; H₂SO₄ = "HS"; NH₃ = "NH"; NaOH = "NH"; ZnAc = "ZN" | ** Matrix Code: Drinking water (DW); Ground or Well Water (GW); Storm Water (SW); Waste Water (WW); Waste (W); Solid (S)
 Samples submitted to CL with testing requirements constitute an agreement for services in accordance with the current terms of service. By signing "Relinquished by" you are agreeing to these terms.
 12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 | Fax: (503) 254-1452 info@columbi LABORATORIES.COM Page _____ of _____ www.columbi LABORATORIES.COM

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.



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Case Narrative

No Case Narrative notes to report.