Coleman Creek Consulting, Inc.

DRINKING WATER LEAD SAMPLING

OF

MERRILL ELEMENTARY SCHOOL

406 W. 2ND STREET, MERRILL, OREGON

FOR

KLAMATH COUNTY SCHOOL DISTRICT

INTRODUCTION

Coleman Creek Consulting, Inc. (CCC) was retained by Klamath County School District (KCSD) to perform representative lead drinking water sampling of Merrill Elementary School at the above address. The purpose of the lead drinking water sampling was to determine the concentration of lead in representative drinking water sources and compare with regulatory standards. In 2017, Education Service Districts were required to adopt a Healthy and Safe Schools Plan, including provisions for testing and reducing exposure to elevated levels of lead in water used for drinking and food preparation.

LEAD DRINKING WATER SAMPLING REQUIREMENTS

Guidelines for sampling lead in water were established by the Oregon Health Authority. Water sampling is to occur after water sits overnight in the pipes without being used, and must be sampled after a day occupied by students or building occupants. All water sources are to be sampled, with the exception of water used for heating, sanitation, irrigation, and science sinks for grades 6 and up with non-potable water signs. Initial testing is required to be performed by 2020, and every 6 years thereafter, according to a testing schedule determined by the Oregon Department of Education.

SAMPLE LOCATION DETERMINATION/SAMPLE PREP

David W. Fawcett of CCC contacted Paul Idrogo, Head Custodian at Merrill Elementary School, and discussed the objectives of the lead drinking water program. Mr. Idrogo reviewed the School buildings for water sources and identified by type on a building floor plan. Mr. Fawcett and Mr. Idrogo discussed the drinking water sources by phone, and Mr. Fawcett created a Site Sample Record Sheet describing each drinking water source by type and location. Mr. Fawcett identified each source by number (1-27), and identified each source number on a floor plan diagram of the school building. Mr. Fawcett delivered the following sampling materials to Mr. Idrogo January 15, 2025: Numbered sample containers, Site Sample Record Sheet filled out with Sample Number, Sample Type, and Location. Mr. Idrogo was instructed in proper sampling technique, including sampling prior to water system use by other school occupants, fill sample container immediately from faucet opening, and recording time of water sampling on the Site Sample Record Sheet (page 3).

DRINKING WATER SAMPLING

Mr. Idrogo collected lead drinking water samples from the drinking water sources identified in Merrill Elementary School January 16, 2025. See Site Sample Record Sheet (page 3) for a description of the drinking water sources sampled. See Drinking Water Sample Location Diagram in Appendix A for a visual review of all drinking water sample locations. The drinking water samples were collected in the early morning, ensuring that the sample source had not been in use since the previous day. The samples were placed in a cooler. Mr. Fawcett picked up the samples collected by Mr. Idrogo January 16, 2025, and transported to Neilson Research Corporation in Medford, Oregon.

DRINKING WATER LEAD RESULTS AND TESTING SUMMARY SHEETS

The twenty-seven (27) drinking water samples collected were analyzed for lead using EPA Method 200.8. See Neilson Research Corporation Analytical Report in Appendix B. Drinking Water Testing Summary Sheet (page 4) indicate the lead in drinking water concentrations for the twenty-seven (27) samples collected from Merrill Elementary School were reported ranging from <0.5 to 14.3 parts per billion (ppb), except Sample #11 collected from Room #4 sink faucet reported with 60.1 ppb lead.

RESPONSE

The little used sink faucet in Room #4 was removed from service and sink use permanently deleted.

CONCLUSIONS

Twenty-seven (27) drinking water samples were collected from drinking water sources at Merrill Elementary School prior to use that day by building occupants, and after a day the facility was occupied. The lead concentrations reported were all below the 15 ppb lead action level in water, with the exception of the sink faucet in Room #4 reported with 60.1 ppm lead. The Room #4 sink faucet has been deleted and permanently discontinued from use.

RECOMMENDATIONS

Coleman Creek Consulting, Inc. recommends continuing the lead drinking water sampling schedule in the future. Coleman Creek Consulting, Inc. appreciates the opportunity to continue to perform environmental sampling and consulting services to Klamath County School District.

David W. Fawcett
Director of Consulting Services

Coleman Creek Consulting, Inc.

DRINKING WATER SITE SAMPLE RECORD SHEET

BUILDING: Merrill Elementary School
ADDRESS: 406 W. 2nd Street
Merrill, Oregon

DATE: 01-16-25
SAMPLER: Paul Idrogo

SAMPLE #	SAMPLE TYPE	LOCATION	TIME
24-162G.1	DW	Room #1 Sink Faucet	0518
24-162G.2	DW	Room #2 Sink Faucet	0520
24-162G.3	DW	Room #3 Sink Faucet	0521
24-162G.4	DW	Room #3 Sink Fountain	0522
24-162G.5	DW	Break Room Sink Faucet	0502
24-162G.6	DW	Room #14 Bath Sink Faucet	0524
24-162G.7	DW	Hall Drinking Fountain at Office	0525
24-162G.8	DW	Hall Drinking Fountain at Office, Bottle Filler	0525
24-162G.9	DW	Cafeteria Drinking Fountain	0527
24-162G.10	DW	Kitchen Sink Faucet	0529
24-162G.11	DW	Room #4 Sink Faucet	0530
24-162G.12	DW	Sick Room Sink Faucet	0531
24-162G.13	DW	Room #5 Sink Fountain	0533
24-162G.14	DW	Room #5 Sink Faucet	0534
24-162G.15	DW	Room #7 Sink Fountain	0536
24-162G.16	DW	Room #7 Sink Faucet	0536
24-162G.17	DW	Room #6 Sink Fountain	0538
24-162G.18	DW	Room #6 Sink Faucet	0539
24-162G.19	DW	Room #8 Sink Fountain	0540
24-162G.20	DW	Room #8 Sink Faucet	0540
24-162G.21	DW	Room #9 Sink Fountain	0542
24-162G.22	DW	Room #9 Sink Faucet	0543
24-162G.23	DW	Room #10 Sink Fountain	0544
24-162G.24	DW	Room #10 Sink Faucet	0544
24-162G.25	DW	Room #11 Sink Fountain	0545
24-162G.26	DW	Room #11 Sink Faucet	0545
24-162G.27	DW	Room #13 Sink Faucet	0805

Comments: DW = Drinking Water RR = Restroom R = Right L = Left RM = Right Middle LM = Left Middle M = Middle

DRINKING WATER TESTING SUMMARY SHEET

DISTRICT NAME: Klamath County School District
DISTRICT ID#: 467
SCHOOL NAME: Merrill Elementary School
BUILDING NAME: Merrill Elementary School
BUILDING ID#: 20570900

Sample Number	Fixture Location/ Description	Fixture ID#	Test Date	Test Result (ppb)	# Retest	Final Result (ppb)
25-162G.1	Room #1 Sink	20570900-001CF	01-16-25	0.825		0.825
25-162G.2	Room #2 Sink	20570900-002CF	01-16-25	0.708		0.708
25-162G.3	Room #3 Sink	20570900-003CF	01-16-25	3.9		3.9
25-162G.4	Room #3 Fountain	20570900-004DW	01-16-25	1.2		1.2
25-162G.5	Break Room Sink	20570900-005SF	01-16-25	14.3		14.3
25-162G.6	Room #14 Bath Sink	20570900-006CF	01-16-25	0.666		0.666
25-162G.7	Hall Fountain at Office	20570900-007DW	01-16-25	<0.5		<0.5
25-162G.8	Hall at Office, Bottle Filler	20570900-008BF	01-16-25	<0.5		<0.5
25-162G.9	Cafeteria Drinking Fountain	20570900-009DW	01-16-25	0.684		0.684
25-162G.10	Kitchen Sink	20570900-010KF	01-16-25	1.27		1.27
25-162G.11	Room #4 Sink	20570900-011CF	01-16-25	**60.1**	**Faucet**	**Deleted**
25-162G.12	Sick Room Sink	20570900-012SF	01-16-25	2.44		2.44
25-162G.13	Room #5 Fountain	20570900-013DW	01-16-25	1.48		1.48
25-162G.14	Room #5 Sink	20570900-014CF	01-16-25	5.45		5.45
25-162G.15	Room #7 Fountain	20570900-015DW	01-16-25	6.32		6.32
25-162G.16	Room #7 Sink	20570900-016CF	01-16-25	12.8		12.8
25-162G.17	Room #6 Fountain	20570900-017DW	01-16-25	0.876		0.876
25-162G.18	Room #6 Sink	20570900-018CF	01-16-25	1.48		1.48
25-162G.19	Room #8 Fountain	20570900-019DW	01-16-25	1.26		1.26
25-162G.20	Room #8 Sink	20570900-020CF	01-16-25	11.5		11.5
25-162G.21	Room #9 Fountain	20570900-021DW	01-16-25	0.682		0.682
25-162G.22	Room #9 Sink	20570900-022CF	01-16-25	0.895		0.895
25-162G.23	Room #10 Fountain	20570900-023DW	01-16-25	0.729		0.729
25-162G.24	Room #10 Sink	20570900-024CF	01-16-25	10.1		10.1
25-162G.25	Room #11 Fountain	20570900-025DW	01-16-25	3.64		3.64
25-162G.26	Room #11 Sink	20570900-026CF	01-16-25	8.84		8.84
25-162G.27	Room #13 Sink	20570900-027CF	01-16-25	<0.5		<0.5

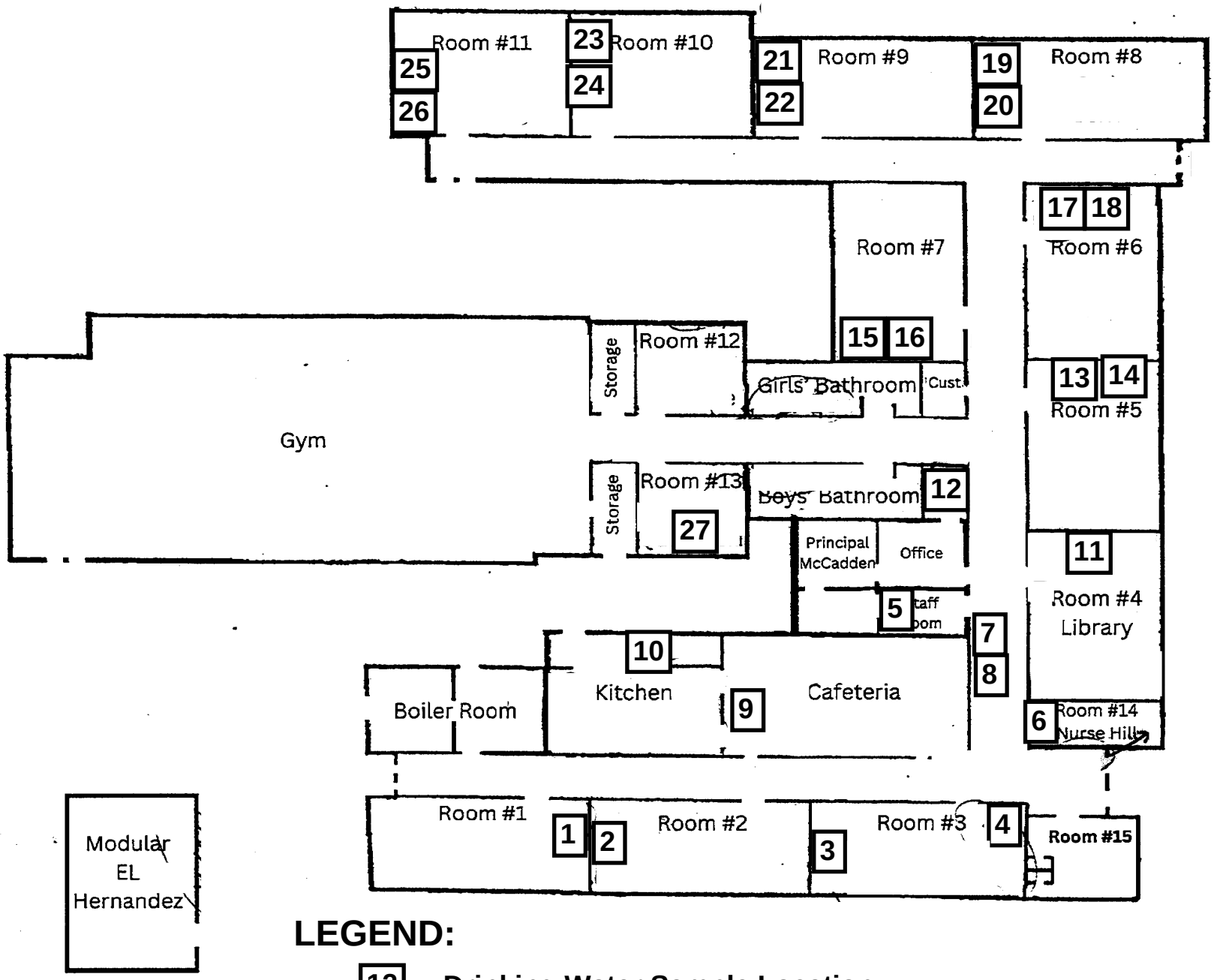
Fixture ID Coding: **Bold Indicates Test Result >15 ppb**

DW = Drinking Water Fountain WC = Water Cooler WB = Water Bottle Filler
CF = Classroom Faucet BF = Bathroom Faucet SF = Staff/Office Faucet
KF = Kitchen/Food Prep OS = Outside Spigot OT = Other (Specify)

APPENDIX A

DRINKING WATER SAMPLE LOCATION DIAGRAM

DRINKING WATER SAMPLE LOCATION DIAGRAM
Merrill Elementary School



LEGEND:

12 = Drinking Water Sample Location

APPENDIX B

NEILSON RESEARCH CORPORATION
ANALYTICAL REPORT

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

January 27, 2025

Dave Fawcett
Coleman Creek Consulting
810 Leonard St
Ashland, OR 97520
TEL: (541) 535-7108
FAX (541) 535-8795

RE: 24-162G Merrill ES Order No.: 25010663

Dear Dave Fawcett:

Neilson Research Corporation received 27 sample(s) on 1/16/2025 for the analyses presented in the following report.

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely,
Neilson Research Corporation

Tamra Schmedemann
Senior Project Manager
245 S Grape St
Medford, OR 97501

Original

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Case Narrative

WO#: **25010663**
Date: **1/27/2025**

CLIENT: Coleman Creek Consulting
Project: 24-162G Merrill ES

The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

Original

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **25010663**
Date Reported: **1/27/2025**

Coleman Creek Consulting
810 Leonard St
Ashland , OR 97520

Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-01** Client Sample ID: 24-162G.1
Collection Date: 1/16/2025 5:18:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #1 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.825		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-02** Client Sample ID: 24-162G.2
Collection Date: 1/16/2025 5:20:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #2 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.708		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-03** Client Sample ID: 24-162G.3
Collection Date: 1/16/2025 5:21:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #3 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	3.90		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
PRE	Percent RE exceeds the Limit	R	RPD outside accepted recovery limits

NELAP

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

Original

Results are out of the EPA limits

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Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-04** Client Sample ID: 24-162G.4
Collection Date: 1/16/2025 5:22:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #3 Sink Ftn, Combo

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	1.20		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-05** Client Sample ID: 24-162G.5
Collection Date: 1/16/2025 8:02:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Break Rm Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	14.3		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-06** Client Sample ID: 24-162G.6
Collection Date: 1/16/2025 5:24:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #14 RR Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.666		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
PRE	Percent RE exceeds the Limit	R	RPD outside accepted recovery limits

NELAP

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Original

Results are out of the EPA limits

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Date Reported: **1/27/2025**

Coleman Creek Consulting
810 Leonard St
Ashland , OR 97520

Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-07** Client Sample ID: 24-162G.7
Collection Date: 1/16/2025 5:25:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Hall DF at Office

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	ND		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-08** Client Sample ID: 24-162G.8
Collection Date: 1/16/2025 5:25:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Hall DF at Office Bottle Filler

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	ND		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-09** Client Sample ID: 24-162G.9
Collection Date: 1/16/2025 5:27:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Cafeteria DF

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.684		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
PRE	Percent RE exceeds the Limit	R	RPD outside accepted recovery limits

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Date Reported: **1/27/2025**

Coleman Creek Consulting
810 Leonard St
Ashland , OR 97520

Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-10** Client Sample ID: 24-162G.10
Collection Date: 1/16/2025 5:29:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Kitchen Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	1.27		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-11** Client Sample ID: 24-162G.11
Collection Date: 1/16/2025 5:30:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #4 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	60.1	*	0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-12** Client Sample ID: 24-162G.12
Collection Date: 1/16/2025 5:31:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Sick Room Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	2.44		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
PRE	Percent RE exceeds the Limit	R	RPD outside accepted recovery limits

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Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-13** Client Sample ID: 24-162G.13
Collection Date: 1/16/2025 5:33:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #5 Sink Fountain

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	1.48		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-14** Client Sample ID: 24-162G.14
Collection Date: 1/16/2025 5:34:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #5 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	5.45		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-15** Client Sample ID: 24-162G.15
Collection Date: 1/16/2025 5:36:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #7 Sink Fountain

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	6.32		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
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Date Reported: **1/27/2025**

Coleman Creek Consulting
810 Leonard St
Ashland , OR 97520

Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-16** Client Sample ID: 24-162G.16
Collection Date: 1/16/2025 5:36:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #7 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	12.8		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-17** Client Sample ID: 24-162G.17
Collection Date: 1/16/2025 5:38:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #6 Sink Fountain

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.876		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-18** Client Sample ID: 24-162G.18
Collection Date: 1/16/2025 5:39:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #6 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	1.48		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
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Analytical Report

WO#: **25010663**
Date Reported: **1/27/2025**

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810 Leonard St
Ashland , OR 97520

Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-19** Client Sample ID: 24-162G.19
Collection Date: 1/16/2025 5:40:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #8 Sink Fountain

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	1.26		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-20** Client Sample ID: 24-162G.20
Collection Date: 1/16/2025 5:40:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #8 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	11.5		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-21** Client Sample ID: 24-162G.21
Collection Date: 1/16/2025 5:42:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #9 Sink Fountain

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.682		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
PRE	Percent RE exceeds the Limit	R	RPD outside accepted recovery limits

NELAP

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

Original

Results are out of the EPA limits

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901
Website: www.nrclabs.com

Analytical Report

WO#: **25010663**
Date Reported: **1/27/2025**

Coleman Creek Consulting
810 Leonard St
Ashland , OR 97520

Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-22** Client Sample ID: 24-162G.22
Collection Date: 1/16/2025 5:43:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #9 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.895		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-23** Client Sample ID: 24-162G.23
Collection Date: 1/16/2025 5:44:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #10 Sink Fountain

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	0.729		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-24** Client Sample ID: 24-162G.24
Collection Date: 1/16/2025 5:44:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #10 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	10.1		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
PRE	Percent RE exceeds the Limit	R	RPD outside accepted recovery limits

NELAP

NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

Original

Results are out of the EPA limits

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Analytical Report

WO#: **25010663**
Date Reported: **1/27/2025**

Coleman Creek Consulting
810 Leonard St
Ashland , OR 97520

Lab Order: 25010663
Received Date: 1/16/2025 3:09:00 PM
Reported Date: 1/27/2025 3:51:03 PM

Sample Information:

Lab ID: **25010663-25** Client Sample ID: 24-162G.25
Collection Date: 1/16/2025 5:45:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #11 Sink Fountain

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	3.64		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-26** Client Sample ID: 24-162G.26
Collection Date: 1/16/2025 5:45:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #11 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	8.84		0.500	ppb	1	1/17/2025	15.0	A

Lab ID: **25010663-27** Client Sample ID: 24-162G.27
Collection Date: 1/16/2025 8:05:00 AM Collected By: Paul Idrogo
Matrix: Drinking Water Sample Location: Rm #13 Sink

Trace Metals by EPA 200.8 ICP-MS — Analyst; CJS

Analyses	Result	Qual	MRL	Units	DF	Date Analyzed	MCL	NELAP Status
Lead	ND		0.500	ppb	1	1/17/2025	15.0	A

QUALIFIERS

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcod
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit
PRE	Percent RE exceeds the Limit	R	RPD outside accepted recovery limits

NELAP NELAP A Accredited in accordance with NELAP ORELAP 100016, OR-028

Original

Results are out of the EPA limits

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QC SUMMARY REPORT

WO#: **25010663**

28-Jan-25

Client: Coleman Creek Consulting
Project: 24-162G Merrill ES

TestCode: **LEAD_DW**

Sample ID:	**MB-29923**	SampType:	**MBLK**	TestCode:	**LEAD_DW**	Units:	**ppb**	Prep Date:	**1/17/2025**	RunNo:	**55589**
Client ID:	**PBW**	Batch ID:	**29923**	TestNo:	**E200.8**		**E200.8**	Analysis Date:	**1/17/2025**	SeqNo:	**918507**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.500									

Sample ID:	**LCS-29923**	SampType:	**LCS**	TestCode:	**LEAD_DW**	Units:	**ppb**	Prep Date:	**1/17/2025**	RunNo:	**55589**
Client ID:	**LCSW**	Batch ID:	**29923**	TestNo:	**E200.8**		**E200.8**	Analysis Date:	**1/17/2025**	SeqNo:	**918508**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	102	0.500	100	0	102	85	115				

Sample ID:	**25010663-01AMS**	SampType:	**MS**	TestCode:	**LEAD_DW**	Units:	**ppb**	Prep Date:	**1/17/2025**	RunNo:	**55589**
Client ID:	**24-162G.1**	Batch ID:	**29923**	TestNo:	**E200.8**		**E200.8**	Analysis Date:	**1/17/2025**	SeqNo:	**918510**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	99.1	0.500	100	0.825	98.3	70	130				

Sample ID:	**25010663-01AMSD**	SampType:	**MSD**	TestCode:	**LEAD_DW**	Units:	**ppb**	Prep Date:	**1/17/2025**	RunNo:	**55589**
Client ID:	**24-162G.1**	Batch ID:	**29923**	TestNo:	**E200.8**		**E200.8**	Analysis Date:	**1/17/2025**	SeqNo:	**918511**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	97.8	0.500	100	0.825	97.0	70	130	99.1	1.32	20	

Qualifiers:

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceede
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

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QC SUMMARY REPORT

WO#: **25010663**

28-Jan-25

Client: Coleman Creek Consulting
Project: 24-162G Merrill ES

TestCode: **LEAD_DW**

Sample ID:	MB-29925	SampType:	MBLK	TestCode:	LEAD_DW	Units:	ppb	Prep Date:	1/17/2025	RunNo:	55589
Client ID:	PBW	Batch ID:	29925	TestNo:	E200.8	E200.8		Analysis Date:	1/17/2025	SeqNo:	918535

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.500									

Sample ID:	LCS-29925	SampType:	LCS	TestCode:	LEAD_DW	Units:	ppb	Prep Date:	1/17/2025	RunNo:	55589
Client ID:	LCSW	Batch ID:	29925	TestNo:	E200.8	E200.8		Analysis Date:	1/17/2025	SeqNo:	918536

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	101	0.500	100	0	101	85	115				

Sample ID:	25010663-21AMS	SampType:	MS	TestCode:	LEAD_DW	Units:	ppb	Prep Date:	1/17/2025	RunNo:	55589
Client ID:	24-162G.21	Batch ID:	29925	TestNo:	E200.8	E200.8		Analysis Date:	1/17/2025	SeqNo:	918538

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	98.6	0.500	100	0.682	97.9	70	130				

Sample ID:	25010663-21AMSD	SampType:	MSD	TestCode:	LEAD_DW	Units:	ppb	Prep Date:	1/17/2025	RunNo:	55589
Client ID:	24-162G.21	Batch ID:	29925	TestNo:	E200.8	E200.8		Analysis Date:	1/17/2025	SeqNo:	918539

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	98.8	0.500	100	0.682	98.1	70	130	98.6	0.273	20	

Qualifiers:

*	Value exceeds Maximum or Minimum Contaminant Level.	C1	Sample container temperature is out of limit as specified at testcode	H	Holding times for preparation or analysis exceede
MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

Original

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Website: www.nrclabs.com

Sample Log-In Check List

Client Name: **ColemanCreek** Work Order Number: **25010663** RcptNo: **1**

Logged by:	**Ashley Spiegelberg**	**1/16/2025 3:09:00 PM**
Completed By:	**Danielle Garten**	**1/20/2025 9:10:52 AM**
Reviewed By:	**Jordan Diemer**	**1/27/2025 3:41:33 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

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 ☑ NA ☐
   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 ☑
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 ☐
    HNO3 pH<2
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 ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

NEILSON RESEARCH CORPORATION

Chain of Custody Record

This Chain of Custody is a LEGAL DOCUMENT and must be filled out accurately.

Section A
Required Client Information

Company:	Coleman Creek Consulting
Address:	810 Leonard St
	Ashland, OR 97520
Email:	fawbro@ccountry.net
Phone:	Fax:
Collected By (Print):	Paul Idrogo
Collected By (Sign):	
Email Report ___ Mail Report ___ Fax Report ___	

Section B
Required Project Information

Project Name:	Merrill ES
Project Number:	24-1626
Report To:	Dave Fawcett
Copy To:	

Section C
Invoice Information

Attention:	
Company Name:	
Address:	
P.O. #	

Section D
Rush Status (Subject to Scheduling)

- X Standard: 10 Business Days
- ___ Priority: 5 Business Days (List × 1.50)
- ___ Express: 3 Business Days (List × 1.75)
- ___ Rush: 2 Business Days (List × 2.00)
- ___ Rush: 1 Business Day (List × 2.50)
- ___ Rush: Same Day (List × 3.00)

Authorized ___ Yes ___ No

Section E
Sample Information

NRC Workorder # (Lab Use Only): 25010663

Sample ID	Comp/Grab	Matrix*	Date Collected	Time Collected	No. of Containers		Total #'s								Remarks / Field Data	NRC Sample # (Lab Use Only)
24-1626.1-27	Grab	DW	1-16-25	See below	27		X									01-27

*Matrix: **DW** - Drinking Water **WW** - Wastewater **W** - Water **S** - Soil/Solid **SL** - Sludge **O** - Oil **WP** - Wipe **OT** - Other

Section F
Relinquish/Receive

	Sign	Print	Date	Time
Relinquished By:	[signature] Fawcett	David Fawcett	1-16-25	1509
Received By:				
Relinquished By:				
Received By:				
Relinquished By:				
Received By Laboratory:	[signature]	Ashley Spiegelberg	1/16/25	15:09

sample times listed on attached site sample record sheet

Section G
Lab Use Only

- Temp: Amb IR Therm ID: NA
- ≤6°C: ___ Yes ___ No
- Received on Ice: ___ Yes ___ No
- Number of Bottles Received:
- pH Checked: —
- COC Seals Intact: ___ Yes ___ No ___ NA
- Field Blank Included: ___ Yes ___ No
- Received Via ___ UPS ___ FedEX ___ Other ___ (Hand)
- Payment: ___ Invoice ___ Cash ___ VISA, M/C ___ Check # _____ Amount _____

Effective 10/5/2020

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Data Flags

WO#: **25010663**
Date: **1/27/2025**

A Total Alkalinity and Bicarbonate Alkalinity results are to a pH endpoint of 4.5. Carbonate Alkalinity result is to a pH endpoint of 8.3.
A-LL The total low level alkalinity results are to a pH endpoint of 4.3-4.7 pH units per SM 2320 B.
B Analyte detected in the associated method blank.
C Sample(s) does not meet NELAP/ORELAP sample acceptance criteria. See Case Narrative.
C1 Sample(s) does not meet NELAP/ORELAP sample acceptance criteria for temperature.
CF Results confirmed by re-analysis.
CU Cleanup performed as specified by method.
E Estimated value.
ER Elevated reporting limit due to matrix. Report limits (MDLs, MRLs & PQLs) are adjusted based on variations in sample preparation amounts, analytical dilutions, and percent solids, where applicable.
FC Fecal Coliforms: Sample(s) received past 40 CFR Part 136 specified holding time. Results reported as estimated values.
HP Sample re-analysis performed outside of method specified holding time.
HR Sample received outside of method specified holding time.
HS Sample analyzed for volatile organics contained headspace.
HT At the client's request, the sample was analyzed outside of method specified holding time.
H Analysis performed outside of method specified holding time.
J Analyte detected below the Minimum Reporting Limit (MRL) and above the Method Detection Limit (MDL). The J flag result is an estimated value and the user should be aware that this data is of limited reliability.
L Dissolved metals were not filtered within 15 minutes of collection per 40 CFR Part 136.
MI Surrogate, Duplicate Sample (DUP) or Matrix Spikes recoveries are out of control limits due to matrix interference. Sample results may be biased.
N See Case Narrative on page 2 of report.
Q Initial calibration verification (ICV), continuing calibration verification (CCV) or laboratory control sample (LCS), and/or matrix spikes exceeded high recovery limits, but associated samples are non-detect and the sample results are not affected. Data meets EPA/NELAP requirements.
R Relative percent difference (RPD) is outside of the accepted recovery limits.
R1 The numerical difference between the parent sample and the duplicate (DUP) is outside of the accepted recovery limits. Greater than 5 degrees for Flashpoint, or greater than 0.1 pH units for pH.
R3 The relative percent difference (RPD) and/or percent recovery for the duplicate (DUP) or matrix spike (MS)/matrix spike duplicate (MSD) cannot be accurately calculated due to the concentration of analyte already present in the sample.
R4 The Relative percent difference (RPD) is not within control limits because the concentration of the sample result is too low to represent proper statistical error.
R5 The difference between the BOD/CBOD results for the highest and lowest dilution used for the calculation is >30% because the results are too low to represent proper statistical error. The BOD/CBOD sample result is an average of all qualified bottles for each dilution series. The sample results are not affected.
R6 The difference between the BOD/CBOD results for the highest and lowest dilution used for the calculation is >30%. This may indicate a possible matrix interference. The BOD/CBOD sample result is an average of all qualified bottles for each dilution series.
S Surrogate and/or matrix spike recovery is outside of the accepted recovery limits. Sample results may be biased.
S1 Surrogate or matrix spike recovery is outside of control limits due to dilution necessary for analysis.
SC Sub-contracted to another laboratory for analysis.
SP Sample(s) were not collected per EPA Method 5035A protocols. The results are considered minimum values.

* Value exceeds Maximum Contaminant Level or is outside the acceptable range.<<>>
1 Value exceeds one half of the Maximum Contaminant Level.