Attachment 2 - Heavy Metal Laboratory Results of Samples Taken by Environmental Health on January 31, 2024, at Six Locations Along the Klamath River

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Website: www.nrclabs.com

February 12, 2024

Rick Dean
Siskiyou County Env Health
806 S Main St
Yreka, CA 96097
TEL: (530) 841-2113
FAX (530) 841-4076

RE: Klamath River Testing Order No.: 24020042

Dear Rick Dean:

Neilson Research Corporation received 6 sample(s) on 2/1/2024 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

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Case Narrative

WO#: **24020042**
Date: **2/12/2024**

CLIENT: Siskiyou County Env Health
Project: Klamath River Testing

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.

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Analytical Report

WO#: **24020042**
Date Reported: **2/12/2024**

CLIENT: Siskiyou County Env Health
Lab ID: 24020042-01
Client Sample ID #1 KWA
Project: Klamath River Testing
Sample Address:

Collection Date: 1/31/2024 11:30:00 AM
Received Date: 2/1/2024 12:55:00 PM
Matrix: AQUEOUS

Sample Location: #1 KWA

Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL	Date Analyzed/Analyst
MERCURY BY EPA 245.1									
Mercury	EPA 245.1	A	0.000212		1	0.000200	mg/L		02/08/24 13:38 CBB
TRACE METALS BY EPA 200.7 ICP									
Aluminum	EPA 200.7	A	50.1		1	0.0200	mg/L		02/07/24 22:09 CBB
Iron	EPA 200.7	A	46.9		1	0.0150	mg/L		02/07/24 22:09 CBB
TRACE METALS BY EPA 200.8 ICP-MS									
Arsenic	EPA 200.8	A	0.0222		1	0.000500	mg/L		02/06/24 19:03 CBB
Cadmium	EPA 200.8	A	0.000345		1	0.000250	mg/L		02/06/24 19:03 CBB
Chromium	EPA 200.8	A	0.0437		1	0.00200	mg/L		02/06/24 19:03 CBB
Copper	EPA 200.8	A	0.0617		1	0.00200	mg/L		02/06/24 19:03 CBB
Lead	EPA 200.8	A	0.0214		1	0.00100	mg/L		02/06/24 19:03 CBB
Nickel	EPA 200.8	A	0.0348		1	0.0100	mg/L		02/06/24 19:03 CBB
Silver	EPA 200.8	A	0.000490		1	0.000100	mg/L		02/06/24 19:03 CBB
Zinc	EPA 200.8	A	0.0914		1	0.00500	mg/L		02/06/24 19:03 CBB

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

Original

NELAP

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

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Analytical Report

WO#: **24020042**
Date Reported: **2/12/2024**

CLIENT: Siskiyou County Env Health
Lab ID: 24020042-02
Client Sample ID #2 (SH)
Project: Klamath River Testing
Sample Address:

Collection Date: 1/31/2024 12:07:00 PM
Received Date: 2/1/2024 12:55:00 PM
Matrix: AQUEOUS

Sample Location: #2 (SH)

Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL	Date Analyzed/Analyst
MERCURY BY EPA 245.1									
Mercury	EPA 245.1	A	0.000252		1	0.000200	mg/L		02/08/24 13:40 CBB
TRACE METALS BY EPA 200.7 ICP									
Aluminum	EPA 200.7	A	57.4		1	0.0200	mg/L		02/07/24 22:13 CBB
Iron	EPA 200.7	A	53.6		1	0.0150	mg/L		02/07/24 22:13 CBB
TRACE METALS BY EPA 200.8 ICP-MS									
Arsenic	EPA 200.8	A	0.0250		1	0.000500	mg/L		02/06/24 19:06 CBB
Cadmium	EPA 200.8	A	0.000403		1	0.000250	mg/L		02/06/24 19:06 CBB
Chromium	EPA 200.8	A	0.0464		1	0.00200	mg/L		02/06/24 19:06 CBB
Copper	EPA 200.8	A	0.0671		1	0.00200	mg/L		02/06/24 19:06 CBB
Lead	EPA 200.8	A	0.0239		1	0.00100	mg/L		02/06/24 19:06 CBB
Nickel	EPA 200.8	A	0.0377		1	0.0100	mg/L		02/06/24 19:06 CBB
Silver	EPA 200.8	A	0.000552		1	0.000100	mg/L		02/06/24 19:06 CBB
Zinc	EPA 200.8	A	0.100		1	0.00500	mg/L		02/06/24 19:06 CBB

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range
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Analytical Report

WO#: **24020042**
Date Reported: **2/12/2024**

CLIENT: Siskiyou County Env Health
Lab ID: 24020042-03
Client Sample ID #3 BC
Project: Klamath River Testing
Sample Address:

Collection Date: 1/31/2024 1:02:00 PM
Received Date: 2/1/2024 12:55:00 PM
Matrix: AQUEOUS

Sample Location: #3 BC

Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL	Date Analyzed/Analyst
MERCURY BY EPA 245.1									
Mercury	EPA 245.1	A	0.000227		1	0.000200	mg/L		02/08/24 13:42 CBB
TRACE METALS BY EPA 200.7 ICP									
Aluminum	EPA 200.7	A	47.2		1	0.0200	mg/L		02/07/24 22:16 CBB
Iron	EPA 200.7	A	44.8		1	0.0150	mg/L		02/07/24 22:16 CBB
TRACE METALS BY EPA 200.8 ICP-MS									
Arsenic	EPA 200.8	A	0.0238		1	0.000500	mg/L		02/06/24 19:08 CBB
Cadmium	EPA 200.8	A	0.000339		1	0.000250	mg/L		02/06/24 19:08 CBB
Chromium	EPA 200.8	A	0.0478		1	0.00200	mg/L		02/06/24 19:08 CBB
Copper	EPA 200.8	A	0.0636		1	0.00200	mg/L		02/06/24 19:08 CBB
Lead	EPA 200.8	A	0.0224		1	0.00100	mg/L		02/06/24 19:08 CBB
Nickel	EPA 200.8	A	0.0375		1	0.0100	mg/L		02/06/24 19:08 CBB
Silver	EPA 200.8	A	0.000523		1	0.000100	mg/L		02/06/24 19:08 CBB
Zinc	EPA 200.8	A	0.0946		1	0.00500	mg/L		02/06/24 19:08 CBB

QUALIFIERS

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Analytical Report

WO#: **24020042**
Date Reported: **2/12/2024**

CLIENT: Siskiyou County Env Health
Lab ID: 24020042-04
Client Sample ID #4 HCB
Project: Klamath River Testing
Sample Address:

Collection Date: 1/31/2024 1:51:00 PM
Received Date: 2/1/2024 12:55:00 PM
Matrix: AQUEOUS

Sample Location: #4 HCB

Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL	Date Analyzed/Analyst
MERCURY BY EPA 245.1									
Mercury	EPA 245.1	A	0.000205		1	0.000200	mg/L		02/08/24 13:44 CBB
TRACE METALS BY EPA 200.7 ICP									
Aluminum	EPA 200.7	A	48.1		1	0.0200	mg/L		02/07/24 22:19 CBB
Iron	EPA 200.7	A	45.5		1	0.0150	mg/L		02/07/24 22:19 CBB
TRACE METALS BY EPA 200.8 ICP-MS									
Arsenic	EPA 200.8	A	0.0237		1	0.000500	mg/L		02/06/24 19:11 CBB
Cadmium	EPA 200.8	A	0.000360		1	0.000250	mg/L		02/06/24 19:11 CBB
Chromium	EPA 200.8	A	0.0488		1	0.00200	mg/L		02/06/24 19:11 CBB
Copper	EPA 200.8	A	0.0648		1	0.00200	mg/L		02/06/24 19:11 CBB
Lead	EPA 200.8	A	0.0225		1	0.00100	mg/L		02/06/24 19:11 CBB
Nickel	EPA 200.8	A	0.0386		1	0.0100	mg/L		02/06/24 19:11 CBB
Silver	EPA 200.8	A	0.000533		1	0.000100	mg/L		02/06/24 19:11 CBB
Zinc	EPA 200.8	A	0.0937		1	0.00500	mg/L		02/06/24 19:11 CBB

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix Interference
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Analytical Report

WO#: **24020042**
Date Reported: **2/12/2024**

CLIENT: Siskiyou County Env Health
Lab ID: 24020042-05
Client Sample ID #5 SD
Project: Klamath River Testing
Sample Address:

Collection Date: 1/31/2024 2:37:00 PM
Received Date: 2/1/2024 12:55:00 PM
Matrix: AQUEOUS

Sample Location: #5 SD

Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL	Date Analyzed/Analyst
MERCURY BY EPA 245.1									
Mercury	EPA 245.1	A	ND		1	0.000200	mg/L		02/08/24 13:59 CBB
TRACE METALS BY EPA 200.7 ICP									
Aluminum	EPA 200.7	A	23.5		1	0.0200	mg/L		02/07/24 22:22 CBB
Iron	EPA 200.7	A	22.9		1	0.0150	mg/L		02/07/24 22:22 CBB
TRACE METALS BY EPA 200.8 ICP-MS									
Arsenic	EPA 200.8	A	0.00780		1	0.000500	mg/L		02/06/24 19:14 CBB
Cadmium	EPA 200.8	A	ND		1	0.000250	mg/L		02/06/24 19:14 CBB
Chromium	EPA 200.8	A	0.0151		1	0.00200	mg/L		02/06/24 19:14 CBB
Copper	EPA 200.8	A	0.0264		1	0.00200	mg/L		02/06/24 19:14 CBB
Lead	EPA 200.8	A	0.00742		1	0.00100	mg/L		02/06/24 19:14 CBB
Nickel	EPA 200.8	A	0.0195		1	0.0100	mg/L		02/06/24 19:14 CBB
Silver	EPA 200.8	A	0.000126		1	0.000100	mg/L		02/06/24 19:14 CBB
Zinc	EPA 200.8	A	0.0409		1	0.00500	mg/L		02/06/24 19:14 CBB

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range
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Analytical Report

WO#: **24020042**
Date Reported: **2/12/2024**

CLIENT: Siskiyou County Env Health
Lab ID: 24020042-06
Client Sample ID #6 HC
Project: Klamath River Testing
Sample Address:

Collection Date: 1/31/2024 3:20:00 PM
Received Date: 2/1/2024 12:55:00 PM
Matrix: AQUEOUS

Sample Location: #6 HC

Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL	Date Analyzed/Analyst
MERCURY BY EPA 245.1									
Mercury	EPA 245.1	A	ND		1	0.000200	mg/L		02/08/24 14:01 CBB
TRACE METALS BY EPA 200.7 ICP									
Aluminum	EPA 200.7	A	30.3		1	0.0200	mg/L		02/07/24 22:26 CBB
Iron	EPA 200.7	A	29.1		1	0.0150	mg/L		02/07/24 22:26 CBB
TRACE METALS BY EPA 200.8 ICP-MS									
Arsenic	EPA 200.8	A	0.0139		1	0.000500	mg/L		02/06/24 19:16 CBB
Cadmium	EPA 200.8	A	ND		1	0.000250	mg/L		02/06/24 19:16 CBB
Chromium	EPA 200.8	A	0.0318		1	0.00200	mg/L		02/06/24 19:16 CBB
Copper	EPA 200.8	A	0.0411		1	0.00200	mg/L		02/06/24 19:16 CBB
Lead	EPA 200.8	A	0.0133		1	0.00100	mg/L		02/06/24 19:16 CBB
Nickel	EPA 200.8	A	0.0292		1	0.0100	mg/L		02/06/24 19:16 CBB
Silver	EPA 200.8	A	0.000307		1	0.000100	mg/L		02/06/24 19:16 CBB
Zinc	EPA 200.8	A	0.0587		1	0.00500	mg/L		02/06/24 19:16 CBB

QUALIFIERS

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	MI	Recovery outside comtrol limits due to Matrix Interference
ND	Not Detected at the Reporting Limit	PL	Permit Limit

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QC SUMMARY REPORT

WO#: **24020042**

12-Feb-24

Client: Siskiyou County Env Health
Project: Klamath River Testing

TestCode: **HG_W**

Sample ID:	**MB-24218**	SampType:	**MBLK**	TestCode:	**HG_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47178**
Client ID:	**PBW**	Batch ID:	**24218**	TestNo:	**E245.1**	**E245.1**		Analysis Date:	**2/8/2024**	SeqNo:	**772181**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.000200									

Sample ID:	**LCS-24218**	SampType:	**LCS**	TestCode:	**HG_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47178**
Client ID:	**LCSW**	Batch ID:	**24218**	TestNo:	**E245.1**	**E245.1**		Analysis Date:	**2/8/2024**	SeqNo:	**772182**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00388	0.000200	0.004000	0	97.0	85	115				

Sample ID:	**24020042-04AMS**	SampType:	**MS**	TestCode:	**HG_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47178**
Client ID:	**#4 HCB**	Batch ID:	**24218**	TestNo:	**E245.1**	**E245.1**		Analysis Date:	**2/8/2024**	SeqNo:	**772189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00363	0.000200	0.004000	0.0002050	85.6	75	125				

Sample ID:	**24020042-04AMSD**	SampType:	**MSD**	TestCode:	**HG_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47178**
Client ID:	**#4 HCB**	Batch ID:	**24218**	TestNo:	**E245.1**	**E245.1**		Analysis Date:	**2/8/2024**	SeqNo:	**772190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00359	0.000200	0.004000	0.0002050	84.6	75	125	0.003630	1.11	20	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range	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				

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QC SUMMARY REPORT

WO#: **24020042**

12-Feb-24

Client: Siskiyou County Env Health
Project: Klamath River Testing

TestCode: **ICP_200.7_W**

Sample ID:	**MB-24216**	SampType:	**MBLK**	TestCode:	**ICP_200.7_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47128**
Client ID:	**PBW**	Batch ID:	**24216**	TestNo:	**E200.7**		**E200.7**	Analysis Date:	**2/7/2024**	SeqNo:	**771089**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.0200									
Iron	ND	0.0150									

Sample ID:	**LCS-24216**	SampType:	**LCS**	TestCode:	**ICP_200.7_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47128**
Client ID:	**LCSW**	Batch ID:	**24216**	TestNo:	**E200.7**		**E200.7**	Analysis Date:	**2/7/2024**	SeqNo:	**771090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.02	0.0200	1.000	0	102	85	115				
Iron	1.03	0.0150	1.000	0	103	85	115				

Sample ID:	**24020033-01BMS**	SampType:	**MS**	TestCode:	**ICP_200.7_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47128**
Client ID:	**BatchQC**	Batch ID:	**24216**	TestNo:	**E200.7**		**E200.7**	Analysis Date:	**2/7/2024**	SeqNo:	**771093**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	11.0	0.0200	11.00	0	100	70	130				
Iron	11.1	0.0150	11.00	0.01787	101	70	130				

Sample ID:	**24020033-01BMSD**	SampType:	**MSD**	TestCode:	**ICP_200.7_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**	RunNo:	**47128**
Client ID:	**BatchQC**	Batch ID:	**24216**	TestNo:	**E200.7**		**E200.7**	Analysis Date:	**2/7/2024**	SeqNo:	**771094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	11.3	0.0200	11.00	0	103	70	130	11.01	2.41	20	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode
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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

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QC SUMMARY REPORT

WO#: **24020042**

12-Feb-24

Client: Siskiyou County Env Health
Project: Klamath River Testing

TestCode: **ICP_200.7_W**

Sample ID:	**24020033-01BMSD**	SampType:	**MSD**	TestCode:	**ICP_200.7_W**	Units:	**mg/L**	Prep Date:	**2/7/2024**		RunNo:	**47128**
Client ID:	**BatchQC**	Batch ID:	**24216**	TestNo:	**E200.7**		**E200.7**	Analysis Date:	**2/7/2024**		SeqNo:	**771094**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	11.4	0.0150	11.00	0.01787	103	70	130	11.10	2.42	20	

Qualifiers:

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MI	Recovery outside comtrol limits due to Matrix Interference	ND	Not Detected at the Reporting Limit	PL	Permit Limit
RL	Reporting Detection Limit				

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QC SUMMARY REPORT

WO#: **24020042**

12-Feb-24

Client: Siskiyou County Env Health
Project: Klamath River Testing

TestCode: **ICPMS_200.8_W**

Sample ID:	**MB-24203**	SampType:	**MBLK**	TestCode:	**ICPMS_200.8**	Units:	**mg/L**	Prep Date:	**2/6/2024**	RunNo:	**47095**
Client ID:	**PBW**	Batch ID:	**24203**	TestNo:	**E200.8**	**E200.8**		Analysis Date:	**2/6/2024**	SeqNo:	**770566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.000500									
Cadmium	ND	0.000250									
Chromium	ND	0.00200									
Copper	ND	0.00200									
Lead	ND	0.00100									
Nickel	ND	0.0100									
Silver	ND	0.000100									
Zinc	ND	0.00500									

Sample ID:	**LCS-24203**	SampType:	**LCS**	TestCode:	**ICPMS_200.8**	Units:	**mg/L**	Prep Date:	**2/6/2024**	RunNo:	**47095**
Client ID:	**LCSW**	Batch ID:	**24203**	TestNo:	**E200.8**	**E200.8**		Analysis Date:	**2/6/2024**	SeqNo:	**770567**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.0956	0.000500	0.1000	0	95.6	85	115				
Cadmium	0.0998	0.000250	0.1000	0	99.8	85	115				
Chromium	0.101	0.00200	0.1000	0	101	85	115				
Copper	0.102	0.00200	0.1000	0	102	85	115				
Lead	0.102	0.00100	0.1000	0	102	85	115				
Nickel	0.100	0.0100	0.1000	0	100	85	115				
Silver	0.100	0.000100	0.1000	0	100	85	115				
Zinc	0.0987	0.00500	0.1000	0	98.7	85	115				

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range	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

NEILSON RESEARCH CORPORATION

Neilson Research Corporation
245 S Grape St
Medford, OR 97501
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Website: www.nrclabs.com

QC SUMMARY REPORT

WO#: **24020042**

12-Feb-24

Client: Siskiyou County Env Health
Project: Klamath River Testing **TestCode:** **ICPMS_200.8_W**

Sample ID: **24010995-01AMS** SampType: **MS** TestCode: **ICPMS_200.8** Units: **mg/L** Prep Date: **2/6/2024** RunNo: **47095**
Client ID: **BatchQC** Batch ID: **24203** TestNo: **E200.8** **E200.8** Analysis Date: **2/6/2024** SeqNo: **770569**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.0957	0.000500	0.1000	0.0002150	95.5	70	130				
Cadmium	0.0999	0.000250	0.1000	0.00002800	99.9	70	130				
Chromium	0.103	0.00200	0.1000	0.001789	101	70	130				
Copper	0.104	0.00200	0.1000	0.002069	102	70	130				
Lead	0.102	0.00100	0.1000	0.0008530	101	70	130				
Nickel	0.102	0.0100	0.1000	0	102	70	130				
Silver	0.101	0.000100	0.1000	0	101	70	130				
Zinc	0.108	0.00500	0.1000	0.008294	99.6	70	130				

Sample ID: **24010995-01AMSD** SampType: **MSD** TestCode: **ICPMS_200.8** Units: **mg/L** Prep Date: **2/6/2024** RunNo: **47095**
Client ID: **BatchQC** Batch ID: **24203** TestNo: **E200.8** **E200.8** Analysis Date: **2/6/2024** SeqNo: **770570**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.0949	0.000500	0.1000	0.0002150	94.6	70	130	0.09568	0.867	20	
Cadmium	0.0990	0.000250	0.1000	0.00002800	99.0	70	130	0.09994	0.961	20	
Chromium	0.102	0.00200	0.1000	0.001789	99.9	70	130	0.1029	1.19	20	
Copper	0.103	0.00200	0.1000	0.002069	101	70	130	0.1039	1.22	20	
Lead	0.102	0.00100	0.1000	0.0008530	101	70	130	0.1022	0.306	20	
Nickel	0.100	0.0100	0.1000	0	100	70	130	0.1019	1.65	20	
Silver	0.0998	0.000100	0.1000	0	99.8	70	130	0.1006	0.824	20	
Zinc	0.105	0.00500	0.1000	0.008294	97.0	70	130	0.1079	2.42	20	

Qualifiers:

C1	Sample container temperature is out of limit as specified at testcode	E	Value above quantitation range	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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Sample Log-In Check List

Client Name: **SISKIYOUCOENVHEALT** Work Order Number: **24020042** RcptNo: **1**

Logged by:	**Jordan Diemer**	**2/1/2024 12:55:00 PM**	
Completed By:	**Erin Hernandez**	**2/2/2024 4:05:00 PM**	
Reviewed By:	**Tamra Schmedemann**	**2/12/2024 2:35:34 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 ☑
	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? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
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? (If no, notify customer for authorization.)	Yes ☑	No ☐	

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
1	5.0	Good	Not Present			DE

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:	Siskiyou CO Environmental Health
Address:	806 S main ST
	Yreka, Ca 96097
Email:	rdean@co.siskiyou.ca.us
Phone:	530-841-2113 Fax: 530-841-4076
Collected By (Print):	Rick Dean
Collected By (Sign):	
Email Report ☐ Mail Report ☐ Fax Report ☐	

Section B Required Project Information

Project Name:	Klamath River
Project Number:	
Report To:	
Copy To:	

Section C Invoice Information

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

Section D Rush Status (Subject to Scheduling)

- ☐ 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

Per bottles JD 2/1/24

Section E Sample Information

Analysis Requested

* Metals or Al, As, Cd, Cu, Pb, Hg, Ni, Zn Fe, Ag

NRC Workorder # (Lab Use Only) 24020042

Sample ID	Comp/Grab	Matrix*	Date Collected	Time Collected	No. of Containers	* Metals	Remarks / Field Data	NRC Sample # (Lab Use Only)
#1 KWA			1/31/24	11:30	2	X		01
#2 (SH)			1/31/24	12:07	2	X		02
#3 BC			1/31/24	13:02	2	X		03
#4 HCB			1/31/24	13:51	2	X		04
#5 JD			1/31/24	14:37	2	X		05
#6 HC			1/31/24	15:20	2	X		06

*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:		David Jackson	2/1/24	12:55 PM
Received By:				
Relinquished By:				
Received By:				
Relinquished By:				
Received By Laboratory:		JD ienes	~~1/31/24~~	12:55

JD error 2/1/24

Section G Lab Use Only

Temp:	S.O IR P
≤6°C:	X Yes ___ No
Received on Ice:	I Yes ___ No
Number of Bottles Received:	12
pH Checked:	N/A
COC Seals Intact:	I Yes ___ No ___ NA
Field Blank Included:	___ Yes I No

Received Via ___ UPS ___ FedEx ___ Other ___ Hand

Payment: ___ Invoice ___ Cash ___ VISA, M/C ___ Check # _____ Amount _____

Effective 6/19/2020

JD G 2/1