

July 24, 2024

Teresa Coley Sprague River Water Quality Lab 5671 Sprague River Road Chiloquin, OR 97624

TEL: (541) 827-5231 FAX

RE: RES Order No.: 24070475

Dear Teresa Coley:

Neilson Research Corporation received 4 sample(s) on 7/11/2024 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

Tamong Shmedeman

Tamra Schmedemann Senior Project Manager

245 S Grape St Medford, OR 97501











Case Narrative

WO#: **24070475**Date: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Project: RES

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.



Website: www.nrclabs.com

Analytical Report

WO#: 24070475 Date Reported: 7/24/2024

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070475-01 Client Sample ID 4071003-01

Project: RES Sample Location: Comp Collection Date: 7/9/2024 10:26:00 AM Received Date: 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qua	DF al	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED TRACE	METALS								
Aluminum, Dissolved	E200.7	Α	0.0200	1	0.00895	0.0200	mg/L		07/15/24 17:49 CJS
TRACE METALS BY	EPA 200.7 IC	P							
Aluminum	E200.7	Α	0.233	1	0.00895	0.0200	mg/L		07/19/24 18:32 CBB
DISSOLVED ORGAN	IC CARBON E	BY SM 531	0 C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	1.67	1	0.192	0.500	mg/L		07/15/24 17:40 KN
TOTAL ORGANIC CA	ARBON SM 53	310 C-2014	Į.						
Organic Carbon, Total	A5310C	Α	1.51	1	0.0989	0.500	mg/L		07/18/24 15:02 KN

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

 PL Permit Limit Е Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: 24070475

Date Reported: 7/24/2024

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070475-02 **Client Sample ID** 4071003-02

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 10:48:00 AM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Resul	t Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED ORGANIC	C CARBON E	BY SM 5310	0 C-2014	1						
Organic Carbon, Dissolve	d A5310C	Α	0.372	J	1	0.192	0.500	mg/L		07/15/24 17:58 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014								
Organic Carbon, Total	A5310C	Α	0.231	J	1	0.0989	0.500	mg/L		07/18/24 15:20 KN

QUALIFIERS

Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070475**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070475-03 **Client Sample ID** 4071003-03

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 12:00:00 PM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qı	DF ual	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED TRACE	METALS								
Aluminum, Dissolved	E200.7	Α	0.0178 J	1	0.00895	0.0200	mg/L		07/15/24 17:52 CJS
TRACE METALS BY	EPA 200.7 IC	P							
Aluminum	E200.7	Α	0.121	1	0.00895	0.0200	mg/L		07/19/24 18:35 CBB
DISSOLVED ORGAN	C CARBON E	BY SM 531	0 C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	1.57	1	0.192	0.500	mg/L		07/15/24 18:16 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014	ļ						
Organic Carbon, Total	A5310C	Α	1.44	1	0.0989	0.500	mg/L		07/18/24 16:15 KN

UALIFIER

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070475**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070475-04 **Client Sample ID** 4071003-04

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 10:55:00 AM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED TRACE	METALS								
Aluminum, Dissolved	E200.7	Α	ND	1	0.00895	0.0200	mg/L		07/15/24 17:55 CJS
TRACE METALS BY	EPA 200.7 IC	P							
Aluminum	E200.7	Α	ND	1	0.00895	0.0200	mg/L		07/19/24 18:38 CBB
DISSOLVED ORGAN	IC CARBON E	BY SM 5310	C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	0.320 J	1	0.192	0.500	mg/L		07/15/24 18:34 KN
TOTAL ORGANIC CA	ARBON SM 53	10 C-2014							
Organic Carbon, Total	A5310C	Α	0.281 JR4	1	0.0989	0.500	mg/L		07/18/24 16:51 KN

UALIFIERS

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: **24070475**

24-Jul-24

Client: Sprague River Water Quality Lab

Project: RES TestCode: DOC_W

Project: RES				TestCode: DO	C_W
Sample ID: MB Client ID: PBW	SampType: MBLK Batch ID: R51072	TestCode: DOC_W TestNo: A5310C	Units: mg/L	,	RunNo: 51072 SeqNo: 840889
Client ID. PDW	Balch ID. R31072	restino. A3310C		Analysis Date. 1/13/2024	Seq110. 040009
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	ND	0.500			
Sample ID: LCS - 15599	SampType: LCS	TestCode: DOC_W	Units: mg/L	Prep Date: 7/15/2024 F	RunNo: 51072
Client ID: LCSW	Batch ID: R51072	TestNo: A5310C		Analysis Date: 7/15/2024	SeqNo: 840890
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	3.54	0.500 3.750	0	94.4 90 110	
Sample ID: 24070473-01BMS	SampType: MS	TestCode: DOC_W	Units: mg/L	Prep Date: 7/15/2024 F	RunNo: 51072
Client ID: BatchQC	Batch ID: R51072	TestNo: A5310C		Analysis Date: 7/15/2024	SeqNo: 840896
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	2.89	0.500 2.500	0.4316	98.4 85 115	
Sample ID: 24070473-02BDUP	SampType: DUP	TestCode: DOC_W	Units: mg/L	Prep Date: 7/15/2024 F	RunNo: 51072
Client ID: BatchQC	Batch ID: R51072	TestNo: A5310C		Analysis Date: 7/15/2024	SeqNo: 840898
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	2.19	0.500		2.142	2.06 15

Qualifiers:

Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits

PL Permit Limit

E Value above quantitation range

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

H Holding times for preparation or analysis exceed-

ND Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: 24070475

24-Jul-24

Sprague River Water Quality Lab **Client:**

Project:	RES			TestCode: ICP_200).7_W
Sample ID:		SampType: MBLK	TestCode: ICP_200.7_W Units: mg/L	•	o: 51194
Client ID:	PBW	Batch ID: 25947	TestNo: E200.7 E200.7	Analysis Date: 7/19/2024 SeqNo	o: 843017
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %	RPD RPDLimit Qual
Aluminum		ND	0.0200		
Sample ID:	LCS-25947	SampType: LCS	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/18/2024 RunNo	o: 51194
Client ID:	LCSW	Batch ID: 25947	TestNo: E200.7 E200.7	Analysis Date: 7/19/2024 SeqNo	o: 843018
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %	RPD RPDLimit Qual
Aluminum		1.06	0.0200 1.000 0	106 85 115	
Sample ID:	24070383-01AMS	SampType: MS	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/18/2024 RunNo	o: 51194
Client ID:	BatchQC	Batch ID: 25947	TestNo: E200.7 E200.7	Analysis Date: 7/19/2024 SeqNo	o: 843020
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %	RPD RPDLimit Qual
Aluminum		11.6	0.0200 11.00 0.3603	102 70 130	
Sample ID:	24070383-01AMSD	SampType: MSD	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/18/2024 RunNo	o: 51194
Client ID:	BatchQC	Batch ID: 25947	TestNo: E200.7 E200.7	Analysis Date: 7/19/2024 SeqNo	D: 843021
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %	RPD RPDLimit Qual
Aluminum		11.6	0.0200 11.00 0.3603	102 70 130 11.59 0	0.311 20

Sample container temperature is out of limit as specified at testcode Qualifiers:

Analyte detected below quantitation limits

Permit Limit

Value above quantitation range

Recovery outside comtrol limits due to Matrix Interference

Reporting Detection Limit

Holding times for preparation or analysis exceed

Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: **24070475**

24-Jul-24

Client: Sprague River Water Quality Lab

Project: RES TestCode: ICP_200.7_W_DISS2

Project: RES			TestCode: ICP_200.7_W_DISS2	
Sample ID: MB-25900 Client ID: PBW	SampType: MBLK Batch ID: 25900	TestCode: ICP_200.7_W Units: mg/L TestNo: E200.7 E3005	Prep Date: 7/12/2024 RunNo: 51077 Analysis Date: 7/15/2024 SeqNo: 840967	
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit	Qual
Aluminum, Dissolved	ND	0.0200		
Sample ID: LCS-25900	SampType: LCS	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/12/2024 RunNo: 51077	
Client ID: LCSW	Batch ID: 25900	TestNo: E200.7 E3005	Analysis Date: 7/15/2024 SeqNo: 840968	
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit	Qual
Aluminum, Dissolved	1.05	0.0200 1.000 0	105 85 115	
Sample ID: 24070183-01BMS	SampType: MS	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/12/2024 RunNo: 51077	
Client ID: BatchQC	Batch ID: 25900	TestNo: E200.7 E3005	Analysis Date: 7/15/2024 SeqNo: 840972	
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit	Qual
Aluminum, Dissolved	11.5	0.0200 11.00 0.09891	103 70 130	
Sample ID: 24070183-01BMSD	SampType: MSD	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/12/2024 RunNo: 51077	
Client ID: BatchQC	Batch ID: 25900	TestNo: E200.7 E3005	Analysis Date: 7/15/2024 SeqNo: 840973	
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit	Qual
Aluminum, Dissolved	11.5	0.0200 11.00 0.09891	103 70 130 11.47 0.131 20	_

Qualifiers:

Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits

PL Permit Limit

Value above quantitation range

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

H Holding times for preparation or analysis exceed

ND Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: **24070475**

24-Jul-24

Client: Sprague River Water Quality Lab

Project: RES TestCode: TOC 5310C

Project: RES		TestC	Code: TOC_5310C
Sample ID: MB Client ID: PBW	SampType: MBLK Batch ID: R51169	TestCode: TOC_5310C Units: mg/L Prep Date: 7/18/2024 TestNo: A5310C Analysis Date: 7/18/2024	RunNo: 51169 SeqNo: 842516
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPI	O Ref Val %RPD RPDLimit Qual
Organic Carbon, Total	ND	0.500	
Sample ID: LCS - 15599	SampType: LCS	TestCode: TOC_5310C Units: mg/L Prep Date: 7/18/2024	RunNo: 51169
Client ID: LCSW	Batch ID: R51169	TestNo: A5310C Analysis Date: 7/18/2024	SeqNo: 842517
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPI	O Ref Val %RPD RPDLimit Qual
Organic Carbon, Total	3.62	0.500 3.750 0 96.5 90 110	
Sample ID: 24070475-03AMS	SampType: MS	TestCode: TOC_5310C Units: mg/L Prep Date: 7/18/2024	RunNo: 51169
Client ID: 4071003-03	Batch ID: R51169	TestNo: A5310C Analysis Date: 7/18/2024	SeqNo: 842523
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPI	O Ref Val %RPD RPDLimit Qual
Organic Carbon, Total	4.16	0.500 2.500 1.436 109 85 115	
Sample ID: 24070475-04ADUP	SampType: DUP	TestCode: TOC_5310C Units: mg/L Prep Date: 7/18/2024	RunNo: 51169
Client ID: 4071003-04	Batch ID: R51169	TestNo: A5310C Analysis Date: 7/18/2024	SeqNo: 842525
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPI	O Ref Val %RPD RPDLimit Qual
Organic Carbon, Total	0.168	0.500	0.2811 50.5 15 JR4

Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits

PL Permit Limit

E Value above quantitation range

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

H Holding times for preparation or analysis exceed

ND Not Detected at the Reporting Limit



Neilson Research Corporation 245 S Grape St Medford, OR 97501

Medford, OR 97501
TEL: (541) 770-5678 FAX: (541) 770-2901

Sample Log-In Check List

Website: www.nrclabs.com Client Name: **SPRAGUERIVERWATER** Work Order Number: 24070475 RcptNo: 1 Erin Hernandez 7/11/2024 10:30:00 AM Logged by: 7/12/2024 10:17:00 AM Completed By: Erin Hernandez Reviewed By: **Ashley Spiegelberg** 7/24/2024 11:54:06 AM **Chain of Custody** No 🗌 1. Is Chain of Custody complete? Yes 🗸 Not Present 2. How was the sample delivered? **UPS** Log In Yes 🗸 No 🗌 NA 🗌 3 Coolers are present? Yes 🗹 No 🗌 4 Shipping container/cooler in good condition? No 🗌 Yes Custody seals intact on shipping container/cooler? Not Present ✓ Seal Date: Signed By: NA \square 5. Was an attempt made to cool the samples? Yes 🗸 Yes 🗸 NA \square No 6. Were all samples received at a temperature of >0° C to 6.0°C 7. Sample(s) in proper container(s)? 8. Sufficient sample volume for indicated test(s)? Yes 9. Are samples (except VOA and ONG) properly preserved? Yes No No 🗆 10. Was preservative added to bottles? Yes NA 🗌 HNO3 pH<2 11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? No VOA Vials No 🗸 Yes 12. Were any sample containers received broken? No 🗌 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 14. Are matrices correctly identified on Chain of Custody? 15. Is it clear what analyses were requested? Yes 🗸 16. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes NA 🗸 17. Was client notified of all discrepancies with this order? No Person Notified: Date: eMail Phone Fax By Whom: Via: In Person Regarding:

18. Additional remarks:

Client Instructions:

Cooler Information

C	Cooler No	Temp ⁰C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1		5.7	Good				EH



Chain of Custody Record

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

	101
S. aut	Page Tof 2
mout	7/11/24

Section A Required Client Information						Section C Invoice Information					Section D Rush Status (Subje	ect to Scheduling)				
Company: Sprague River Water Quality Lab		Project N	ame: RES					Attent	tion:	Kaneeta Kirk			Standard: 10 B	Business Days		
Address: 5671 Sprague River Road		Project N	umber:					Company Name: The Klamath Tribes					Priority: 5 Bus	Priority: 5 Business Days (List × 1.50)		
Chiloquin, OR 97624		Report To) :					Address: PO Box 436					Express: 3 Bu	siness Days (List × 1.75)		
Email: teresa.coley@klamathtribes.com		Copy To:						J	C	hiloquin, O	R 976	24	Rush: 2 Busin	ess Days (List × 2.00)		
Phone: (541) 827-5231 Fax:								P.O. 1	#				Rush: 1 Busin	ess Day (List × 2.50)		
Collected By (Print):													Rush: Same D	Pay (List × 3.00)		
Collected By (Sign):		1						100	Analy	sis Requeste	ed		Autho	orized Yes No		
Email Report Mail Report Fax Report								<u> </u>								
Section E Sample Information			1		ntainers			Total Aluminum	Dissolved Aluminum				NRC Workorder # (Lab Use Only)	24070475		
Sample ID	Comp/Grab	Matrix*	Date Collected	Time Collected	No. of Containers	TOC	DOC	Total /	Dissolv				Remarks / Field Data	NRC Sample # (Lab Use Only)		
4071003-01	Comp	Water	7/9/24	10:26	8	1	1	1	1					0(
4071003-02	Comp Wa			10:48	6	1	1							02		
4071003-03	Comp	Water	7/9/24	12:00	8	✓	1	/	/					03		
4071003-04	Comp	Water	7/9/24	10:55	8	\ 	1	✓	✓					09		
*Matrix: DW - Drinking Water WW - Wastewater W Section F Relinquish/Receive Sign	- Water S - Soil/S	Solid SL - S	Sludge O - Oil	WP - Wipe O		er				Date		Time	Section G Lab Use Only	A		
Relinquished By: Whia A. Kr	A-		L	Lin GK	ebF	F			7	10-24	1	4:23	Temp: 5. 7	-0c 1R-S		
Received By:	0												≤6°C:Yes	_ No		
Relinquished By:													Received on Ice:	Yes No		
Received By:												Number of Bottles R	Received: 30			
Relinquished By:									1	,	<u></u>		pH Checked:			
Received By Laboratory: Coll Grin Herman				ide.	Z			7/11	1/24	l	0:30	Company of the control of the contro	YesNoNA			
												Received Via	Field Blank Included			
								3274	De	ment:	nucios		VISA, M/C Check			
									ray	ment.	nvoice		VISA, IVI/C CHECK	#Amount Effective 6/19/2020		



Data Flags

WO#: **24070475**Date: **7/24/2024**

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.

Website: www.nrclabs.com

- A-LL The total low level alkalinity results are to a pH endpoint of 4.3-4.7 pH units per SM 2320B-2011.
- 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.
- 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.



July 24, 2024

Teresa Coley Sprague River Water Quality Lab 5671 Sprague River Road Chiloquin, OR 97624

FAX

RE: RES Order No.: 24070473

Dear Teresa Coley:

TEL: (541) 827-5231

Neilson Research Corporation received 9 sample(s) on 7/11/2024 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

Tamos Shmedeman

Tamra Schmedemann Senior Project Manager

245 S Grape St Medford, OR 97501











Case Narrative

WO#: **24070473**Date: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Project: RES

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.



Website: www.nrclabs.com

Analytical Report

WO#: **24070473**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-01 **Client Sample ID** 4071004-01

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 8:24:00 AM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qua	DF ıl	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED TRACE	METALS								
Aluminum, Dissolved	E200.7	Α	ND	1	0.00895	0.0200	mg/L		07/15/24 17:36 CJS
TRACE METALS BY	EPA 200.7 IC	Р							
Aluminum	E200.7	Α	ND	1	0.00895	0.0200	mg/L		07/19/24 18:19 CBB
DISSOLVED ORGAN	IC CARBON I	BY SM 5310	C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	0.432 J	1	0.192	0.500	mg/L		07/15/24 13:45 KN
TOTAL ORGANIC CA	ARBON SM 53	310 C-2014							
Organic Carbon, Total	A5310C	Α	0.282 J	1	0.0989	0.500	mg/L		07/12/24 14:53 TJW

ALIFIER

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: 24070473 Date Reported: 7/24/2024

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-02 Client Sample ID 4071004-02

Project: RES Sample Location: Comp Collection Date: 7/9/2024 7:56:00 AM Received Date: 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qua	DF I	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED TRACE	METALS								
Aluminum, Dissolved	E200.7	Α	0.0336	1	0.00895	0.0200	mg/L		07/15/24 17:39 CJS
TRACE METALS BY	EPA 200.7 IC	P							
Aluminum	E200.7	Α	0.722	1	0.00895	0.0200	mg/L		07/19/24 18:22 CBB
DISSOLVED ORGAN	IC CARBON E	BY SM 531	0 C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	2.14	1	0.192	0.500	mg/L		07/15/24 14:22 KN
TOTAL ORGANIC CA	RBON SM 53	310 C-2014	ı						
Organic Carbon, Total	A5310C	Α	1.95	1	0.0989	0.500	mg/L		07/12/24 15:29 TJW

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

 $[\]operatorname{PL}$ Permit Limit

Е Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: 24070473 Date Reported: 7/24/2024

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-03 Client Sample ID 4071004-03

Project: RES Sample Location: Comp Collection Date: 7/9/2024 10:00:00 AM Received Date: 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qua	DF al	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED TRACE	METALS								
Aluminum, Dissolved	E200.7	Α	0.0395	1	0.00895	0.0200	mg/L		07/15/24 17:42 CJS
TRACE METALS BY	EPA 200.7 IC	Р							
Aluminum	E200.7	Α	1.14	1	0.00895	0.0200	mg/L		07/19/24 18:25 CBB
DISSOLVED ORGAN	IIC CARBON I	BY SM 531	0 C-2014						
Organic Carbon, Dissolv	ed A5310C	Α	3.46	1	0.192	0.500	mg/L		07/15/24 14:58 KN
TOTAL ORGANIC CA	ARBON SM 53	310 C-2014	l.						
Organic Carbon, Total	A5310C	Α	3.00	1	0.0989	0.500	mg/L		07/12/24 15:47 TJW

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

 $[\]operatorname{PL}$ Permit Limit

Е Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070473**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-04 **Client Sample ID** 4071004-04

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 12:05:00 PM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED TRACE	METALS								
Aluminum, Dissolved	E200.7	Α	0.0346	1	0.00895	0.0200	mg/L		07/15/24 17:46 CJS
TRACE METALS BY	EPA 200.7 IC	P							
Aluminum	E200.7	Α	1.83	1	0.00895	0.0200	mg/L		07/19/24 18:28 CBB
DISSOLVED ORGANI	C CARBON E	BY SM 531	0 C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	4.55	1	0.192	0.500	mg/L		07/15/24 15:16 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014	ı						
Organic Carbon, Total	A5310C	Α	3.78	1	0.0989	0.500	mg/L		07/12/24 16:23 TJW

UALIFIER

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference
PL Permit Limit

E Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070473**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-05 **Client Sample ID** 4071004-05

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 1:04:00 PM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED ORGANI	C CARBON E	SY SM 5310	C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	4.35	1	0.192	0.500	mg/L		07/15/24 15:34 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014							
Organic Carbon, Total	A5310C	Α	3.94	1	0.0989	0.500	mg/L		07/12/24 16:41 TJW

UALIFIERS

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

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070473**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-06 **Client Sample ID** 4071004-06

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 1:20:00 PM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED ORGANI	C CARBON E	3Y SM 5310	C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	4.28	1	0.192	0.500	mg/L		07/15/24 15:52 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014							
Organic Carbon, Total	A5310C	Α	3.93	1	0.0989	0.500	mg/L		07/12/24 16:59 TJW

UALIFIERS

Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070473**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-07 **Client Sample ID** 4071004-07

Project: RES **Sample Location:** Comp

Collection Date: 7/9/2024 2:04:00 PM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED ORGANI	IC CARBON E	BY SM 5310	C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	4.13	1	0.192	0.500	mg/L		07/15/24 16:46 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014							
Organic Carbon, Total	A5310C	Α	3.97	1	0.0989	0.500	mg/L		07/12/24 17:17 TJW

UALIFIERS

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070473**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-08 **Client Sample ID** 4071004-08

Project: RES **Sample Location:** Comp

Collection Date: 7/10/2024 8:20:00 AM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED ORGANI	IC CARBON E	3Y SM 5310	C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	4.31	1	0.192	0.500	mg/L		07/15/24 17:04 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014							
Organic Carbon, Total	A5310C	Α	4.17	1	0.0989	0.500	mg/L		07/12/24 17:35 TJW

UALIFIERS

Sample container temperature is out of limit as specified at testcode

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



Website: www.nrclabs.com

Analytical Report

WO#: **24070473**Date Reported: **7/24/2024**

CLIENT: Sprague River Water Quality Lab

Lab ID: 24070473-09 **Client Sample ID** 4071004-09

Project: RES **Sample Location:** Comp

Collection Date: 7/10/2024 9:22:00 AM **Received Date:** 7/11/2024 10:30:00 AM

Matrix: AQUEOUS

Analyses	Method	NELAP Status	Result Qual	DF	MDL	RL	Units	MCL	Date Analyst Analyzed
DISSOLVED ORGANI	C CARBON E	BY SM 5310	C-2014						
Organic Carbon, Dissolve	ed A5310C	Α	5.86	1	0.192	0.500	mg/L		07/15/24 17:22 KN
TOTAL ORGANIC CA	RBON SM 53	10 C-2014							
Organic Carbon, Total	A5310C	Α	5.79	1	0.0989	0.500	mg/L		07/12/24 17:53 TJW

QUALIFIERS

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

Holding times for preparation or analysis exceeded

MI Recovery outside comtrol limits due to Matrix Interference

PL Permit Limit

E Value above quantitation range

J Analyte detected below quantitation limits

ND Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: **24070473**

24-Jul-24

Client: Sprague River Water Quality Lab

Project: RES TestCode: DOC W

Project: RES				TestCode: D	OC_W
Sample ID: MB	SampType: MBLK	TestCode: DOC_W	Units: mg/L	Prep Date: 7/15/2024	RunNo: 51072
Client ID: PBW	Batch ID: R51072	TestNo: A5310C		Analysis Date: 7/15/2024	SeqNo: 840889
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	ND	0.500			
Sample ID: LCS - 15599	SampType: LCS	TestCode: DOC_W	Units: mg/L	Prep Date: 7/15/2024	RunNo: 51072
Client ID: LCSW	Batch ID: R51072	TestNo: A5310C		Analysis Date: 7/15/2024	SeqNo: 840890
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	3.54	0.500 3.750	0	94.4 90 110	
Sample ID: 24070473-01BMS	SampType: MS	TestCode: DOC_W	Units: mg/L	Prep Date: 7/15/2024	RunNo: 51072
Client ID: 4071004-01	Batch ID: R51072	TestNo: A5310C		Analysis Date: 7/15/2024	SeqNo: 840896
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	2.89	0.500 2.500	0.4316	98.4 85 115	
Sample ID: 24070473-02BDUP	SampType: DUP	TestCode: DOC_W	Units: mg/L	Prep Date: 7/15/2024	RunNo: 51072
Client ID: 4071004-02	Batch ID: R51072	TestNo: A5310C		Analysis Date: 7/15/2024	SeqNo: 840898
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Organic Carbon, Dissolved	2.19	0.500		2.142	2.06 15

Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits

PL Permit Limit

E Value above quantitation range

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

H Holding times for preparation or analysis exceed

ND Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: 24070473

24-Jul-24

Sprague River Water Quality Lab **Client:**

Project:	RES			TestCode: IC	CP_200.7_W
Sample ID:	MB-25947 PBW	SampType: MBLK Batch ID: 25947	TestCode: ICP_200.7_W Units: mg/L TestNo: E200.7 E200.7	Prep Date: 7/18/2024 Analysis Date: 7/19/2024	RunNo: 51194 SeqNo: 843017
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Aluminum		ND	0.0200		
	LCS-25947	SampType: LCS	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/18/2024	RunNo: 51194
Client ID:	LCSW	Batch ID: 25947	TestNo: E200.7 E200.7	Analysis Date: 7/19/2024	SeqNo: 843018
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Aluminum		1.06	0.0200 1.000 0	106 85 115	
Sample ID:	24070383-01AMS	SampType: MS	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/18/2024	RunNo: 51194
Client ID:	BatchQC	Batch ID: 25947	TestNo: E200.7 E200.7	Analysis Date: 7/19/2024	SeqNo: 843020
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Aluminum		11.6	0.0200 11.00 0.3603	102 70 130	
Sample ID:	24070383-01AMSD	SampType: MSD	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/18/2024	RunNo: 51194
Client ID:	BatchQC	Batch ID: 25947	TestNo: E200.7 E200.7	Analysis Date: 7/19/2024	SeqNo: 843021
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Aluminum		11.6	0.0200 11.00 0.3603	102 70 130 11.59	0.311 20

Sample container temperature is out of limit as specified at testcode

Analyte detected below quantitation limits

Permit Limit

Value above quantitation range

Recovery outside comtrol limits due to Matrix Interference

Reporting Detection Limit

Holding times for preparation or analysis exceed

Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: **24070473**

24-Jul-24

Client: Sprague River Water Quality Lab

Project: RES TestCode: ICP_200.7_W_DISS2

	RES			TestCode: ICP	_200.7_W_DISS2
Sample ID:	MB-25900 PBW	SampType: MBLK Batch ID: 25900	TestCode: ICP_200.7_W Units: mg/L TestNo: E200.7 E3005	,	RunNo: 51077 SeqNo: 840967
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Aluminum,	Dissolved	ND	0.0200		
-	LCS-25900	SampType: LCS	TestCode: ICP_200.7_W Units: mg/L	,	RunNo: 51077
Client ID:	LCSW	Batch ID: 25900	TestNo: E200.7 E3005	Analysis Date: 7/15/2024 S	SeqNo: 840968
Analyte		Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Aluminum,	Dissolved	1.05	0.0200 1.000 0	105 85 115	
Sample ID:	24070183-01BMS	SampType: MS	TestCode: ICP_200.7_W Units: mg/L	Prep Date: 7/12/2024 F	RunNo: 51077
Sample ID: Client ID:	24070183-01BMS BatchQC	SampType: MS Batch ID: 25900	TestCode: ICP_200.7_W Units: mg/L TestNo: E200.7 E3005	·	RunNo: 51077 SeqNo: 840972
		. ,,	= =	·	
Client ID:	BatchQC	Batch ID: 25900	TestNo: E200.7 E3005	Analysis Date: 7/15/2024	SeqNo: 840972
Client ID: Analyte Aluminum,	BatchQC	Batch ID: 25900 Result	TestNo: E200.7 E3005 PQL SPK value SPK Ref Val	Analysis Date: 7/15/2024 S %REC LowLimit HighLimit RPD Ref Val 103 70 130	SeqNo: 840972
Client ID: Analyte Aluminum,	BatchQC Dissolved	Batch ID: 25900 Result 11.5	TestNo: E200.7 E3005 PQL SPK value SPK Ref Val 0.0200 11.00 0.09891	Analysis Date: 7/15/2024 S **REC LowLimit HighLimit RPD Ref Val 103 70 130 Prep Date: 7/12/2024 F	SeqNo: 840972 %RPD RPDLimit Qual
Client ID: Analyte Aluminum, Sample ID:	BatchQC Dissolved 24070183-01BMSD	Batch ID: 25900 Result 11.5 SampType: MSD	TestNo: E200.7 E3005 PQL SPK value SPK Ref Val 0.0200 11.00 0.09891 TestCode: ICP_200.7_W Units: mg/L	Analysis Date: 7/15/2024 S **REC LowLimit HighLimit RPD Ref Val 103 70 130 Prep Date: 7/12/2024 F	SeqNo: 840972 %RPD RPDLimit Qual

Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits

PL Permit Limit

Value above quantitation range

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

H Holding times for preparation or analysis exceed

ND Not Detected at the Reporting Limit



QC SUMMARY REPORT

WO#: **24070473**

24-Jul-24

Client: Sprague River Water Quality Lab

Project: RES TestCode: TOC_5310C

Project: RES			TestCode: TOC_5310C
Sample ID: MB Client ID: PBW	SampType: MBLK Batch ID: R51038	TestCode: TOC_5310C Units: mg/L TestNo: A5310C	Prep Date: 7/12/2024 RunNo: 51038 Analysis Date: 7/12/2024 SeqNo: 840289
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qu
Organic Carbon, Total	ND	0.500	
Sample ID: LCS - 15599	SampType: LCS	TestCode: TOC_5310C Units: mg/L	Prep Date: 7/12/2024 RunNo: 51038
Client ID: LCSW	Batch ID: R51038	TestNo: A5310C	Analysis Date: 7/12/2024 SeqNo: 840290
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qu
Organic Carbon, Total	3.64	0.500 3.750 0	97.1 90 110
Sample ID: 24070473-01ADUP	SampType: DUP	TestCode: TOC_5310C Units: mg/L	Prep Date: 7/12/2024 RunNo: 51038
Client ID: 4071004-01	Batch ID: R51038	TestNo: A5310C	Analysis Date: 7/12/2024 SeqNo: 840297
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qu
Organic Carbon, Total	0.294	0.500	0.2817 4.14 15 J
Sample ID: 24070473-03AMS	SampType: MS	TestCode: TOC_5310C Units: mg/L	Prep Date: 7/12/2024 RunNo: 51038
Client ID: 4071004-03	Batch ID: R51038	TestNo: A5310C	Analysis Date: 7/12/2024 SeqNo: 840300
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qu
Organic Carbon, Total	5.59	0.500 2.500 3.001	104 85 115

¹ Sample container temperature is out of limit as specified at testcode

J Analyte detected below quantitation limits

PL Permit Limit

Value above quantitation range

MI Recovery outside comtrol limits due to Matrix Interference

RL Reporting Detection Limit

H Holding times for preparation or analysis exceed

ND Not Detected at the Reporting Limit



Neilson Research Corporation 245 S Grape St Medford, OR 97501

Sample Log-In Check List

TEL: (541) 770-5678 FAX: (541) 770-2901 Website: www.nrclabs.com

Clie	nt Name:	SPRAGUERIVERWATER	Work Order Number:	240704	173		RcptNo: 1	
Log	ged by:	Erin Hernandez	7/11/2024 10:30:00 AM	I		Cum Hum	mdg	
Con	npleted By:	Erin Hernandez	7/12/2024 11:15:00 AM	I		Cum Hum	mds	
Rev	iewed By:	Ashley Spiegelberg	7/24/2024 1:32:42 PM			an	~	
<u>Cha</u>	in of Cus	stody						
1.	Is Chain of	Custody complete?		Yes	✓	No 🗌	Not Present	
2.	How was th	e sample delivered?		<u>UPS</u>				
Log	<u>In</u>							
_	Coolers are	present?		Yes	✓	No 🗆	NA \square	
4.	Shipping co	ontainer/cooler in good conditi	on?	Yes	✓	No 🗆		
	Custody se	als intact on shipping contain	er/cooler?	Yes		No \square	Not Present 🗹	
	No.	Seal Date	• •	_	ed By:			
5.	Was an atte	empt made to cool the sample	es?	Yes	✓	No 🗀	NA 🗌	
6.	Were all sa	imples received at a temperat	ure of >0° C to 6.0°C	Yes	✓	No \square	NA \square	
7.	Sample(s) i	in proper container(s)?		Yes	✓	No 🗌		
8.	Sufficient s	ample volume for indicated te	st(s)?	Yes	✓	No 🗌		
9.	Are sample	es (except VOA and ONG) pro	perly preserved?	Yes	✓	No 🗌		
10.	Was presei	rvative added to bottles?		Yes	✓	No 🗌	NA \square	
							HNO3 pH<2	
11.	Is the head	space in the VOA vials less th	nan 1/4 inch or 6 mm?	Yes		No 🗌	No VOA Vials 🗹	
12.	Were any s	sample containers received br	oken?	Yes		No 🗸		
13.		rwork match bottle labels? epancies on chain of custody)	1	Yes	✓	No 🗌		
14.	Are matrice	es correctly identified on Chair	n of Custody?	Yes	✓	No \square		
15.	Is it clear w	hat analyses were requested	?	Yes	✓	No \square		
16.	Were all ho	olding times able to be met?		Yes	✓	No 🗆		
	•	customer for authorization.)						
		lling (if applicable)						
17.	Was client	notified of all discrepancies w	ith this order?	Yes		No 🗌	NA 🗹	
	Perso	n Notified:	Date:					
	By Wh	nom:	Via:	eMa	il 🗌 P	Phone Fax	☐ In Person	
	Regar	rding:						
	Client	Instructions:						
18.	Additional r	emarks:						
Coole	er Informati	on						

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.7	Good				EH



Chain of Custody Record

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

10f1
Page 2 of 2
Mpul ever

4071004-01 Com 4071004-02 Com 4071004-03 Com 4071004-04 Com 4071004-05 Com		Project Na						Attenti	on: I	Kaneeta Kirk			Standard: 10 B	usiness Davs	
Chiloquin, OR 97624 Email: teresa.coley@klamathtribes.com Phone: (541) 827-5231 Fax: Collected By (Print): Collected By (Sign): Email Report ✓ Mail Report ✓ Fax Report ✓ Section E Sample Information Com 4071004-01 Com 4071004-02 Com 4071004-03 Com 4071004-04 Com 4071004-05 Com 4071004-06 Com		Report To								Attention: Kaneeta Kirk				Standard: 10 Business Days	
Email: teresa.coley@klamathtribes.com Phone: (541) 827-5231 Fax: Collected By (Print): Collected By (Sign): Email Report ✓ Mail Report ✓ Fax Report ✓ Section E Sample Information Com 4071004-01 Com 4071004-03 Com 4071004-04 Com 4071004-05 Com 4071004-06 Com):			Project Number:				Company Name: The Klamath Tribes				Priority: 5 Business Days (List × 1.50)	
Phone: (541) 827-5231 Fax: Collected By (Print): Collected By (Sign): Email Report		Сору То:			Report To:				Address: PO Box 436				Express: 3 Bus	Express: 3 Business Days (List × 1.75)	
Phone: (541) 827-5231 Fax: Collected By (Print): Collected By (Sign): Email Report									C	hiloguin, O	R 97624	1	Rush: 2 Busine	ess Days (List × 2.00)	
Collected By (Print): Collected By (Sign): Email Report				Copy 10.						illioquiii, o			Rush: 1 Business Day (List × 2.50)		
Collected By (Sign): Email Report		1												Rush: Same Day (List × 3.00)	
Section E Sample Information Sample ID Common Com		-								· · · D · · · · · · · · · ·			-	orized Yes No	
Section E Sample Information Com		Analysis Requested						Autho	rized Yes No						
Sample Information Com 4071004-01 Com 4071004-02 Com 4071004-03 Com 4071004-04 Com 4071004-05 Com 4071004-06 Com								_	mn						
4071004-01 Com 4071004-02 Com 4071004-03 Com 4071004-04 Com 4071004-05 Com			66	00000	No. of Containers			l Aluminum	Ived Aluminum				NRC Workorder # (Lab Use Only)	24070473	
4071004-02 Com 4071004-03 Com 4071004-04 Com 4071004-05 Com 4071004-06 Com	Comp/Grab	Matrix*	Date Collected	Time Collected	No. of C	TOC	DOC	Total,	Dissolved				Remarks / Field Data	NRC Sample # (Lab Use Only)	
4071004-03 Com 4071004-04 Com 4071004-05 Com 4071004-06 Com	mp	Water	7/9/24	08:24	8	1	1	✓	1					01	
4071004-04 Com 4071004-05 Com 4071004-06 Com	тр	Water	7/9/24	07:56	84	1	1	1	1					02	
4071004-05 Com 4071004-06 Com	mp	Water	7/9/24	10:00	8	1	1	1	1					03	
4071004-06 Com	mp	Water	7/9/24	12:05	8	1	1	1	✓					oy	
	mp	Water	7/9/24	13:04	6	1	1							05	
1071001 07	mp	Water	7/9/24	13:20	6	1	1							06	
4071004-07 Com	mp	Water	7/9/24	14:04	6	1	1							67	
4071004-08 Com	mp	Water	7/10/24	08:20	6	1	1							08	
4071004-09 Com	mp	Water	7/10/24	09:22	6	✓	✓							09	
*Matrix: DW - Drinking Water WW - Wastewater W - Wat Section F Relinquish/Receive , Sign/	ater S - Soil/S	olid SL - S	Sludge O - Oil	WP - Wipe O		er	水	One	106	- bottle b		When Po	Section G Lab Use Only		
Relinquish/Receive Sign/ Relinquished By: Min d. fuff Received By:	MIA GKOFF				7-10-24 14:23			:23	Temp: $5.7c(R-S)$						
Received By:													≤6°C:Yes	_ No	
Relinquished By:													Received on Ice:	_Yes No	
Received By:													Number of Bottles R	eceived: 62	
Relinquished By:							H					pH Checked:			
Received By Laboratory:		Even tt.	evnau	dos		1/4/24 10:30					COC Seals Intact: Yes NoNA				
											1700		Field Blank Included	YesNo	
											F	Received Via	_UPS FedEX	Other Hand	
									Pay	ment:	nvoice _	Cash\	/ISA, M/C Check	# Amount	



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Data Flags

WO#: **24070473**Date: **7/24/2024**

- 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 2320B-2011.
- 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.
- 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.<<>>