CLIENT: Alpine Water GMBH
Obertraun 311
4831 Obertraun Austria

DATE OF REPORT: Quarter 2, 2024
REPORT #: 1108-013
LABORATORY ID#: 29053

NOTE:
"*" indicates that maximum levels have been exceeded, or in the case of pH, is either too high or too low
"ND" indicates that none of this analyte has been detected at or above the specified detection level
"MCL" indicates maximum contaminant level as established by US FDA for bottled water
"RL" indicates laboratory reporting limit for method
Units results are reported in mg/L unless otherwise noted

ANALYSIS PERFORMED	MCL[1] (mg/L)	RL (mg/L)	DACHSTEIN ARTESIAN WELL SOURCE 1108-013 (mg/L)
Primary Inorganics			
Antimony	0.006	0.001	ND
Arsenic	0.01	0.001	ND
Asbestos	7 MFL	0.17	ND
Barium	2	0.001	0.0082
Beryllium	0.004	0.001	ND
Cadmium	0.005	0.001	ND
Chromium	0.1	0.001	ND
Cyanide	0.2	0.005	ND
Fluoride	See endnote[2]	0.10	ND
Lead	0.005	0.001	ND
Mercury	0.002	0.0002	ND
Nickel	0.1	0.001	ND
Nitrate – N	10	0.10	0.35
Nitrite – N	1.0	0.10	ND
Total Nitrate & Nitrite – N	10	0.10	0.35
Selenium	0.05	0.005	ND
Thallium	0.002	0.001	ND
Secondary Inorganics			
Alkalinity	--	1	92
Aluminum	0.2	0.010	ND
Boron	--	0.05	ND
Bromide	--	0.005	ND
Calcium	--	0.5	19.6
Chloride	250[3]	0.1	0.1
Copper	1	0.005	ND
Corrosivity	--	--	-0.24
Electrical Conductivity	-- umho/cm	10	162
Foaming Agents (MBAS)	--	0.1	ND
Hardness, Total	--	10	86.4
Iron	0.3[3]	0.050	ND
Magnesium	--	0.5	9.1
Manganese	0.05[3]	0.001	ND
pH	See endnote[4]	0.1	8.22
Phenol	0.001	0.001	ND
Potassium	--	1.0	ND
Silver	0.1	0.001	ND
Sodium	--	0.5	ND
Sulfate	250	0.2	1.6
TDS	500[3,5]	10	83
Zinc	5[3]	0.005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	DACHSTEIN ARTESIAN WELL SOURCE 1108-013 (mg/L)
Physical			
Color	15[3] CU	5	ND
Odor	3[3] TON	1	ND
Turbidity	5 NTU	0.10	ND
Microbiological			
Total Coliform	Absence	1	ND
Radiologicals			
Gross Alpha	15 pCi/L	2.34	ND
Gross Beta	50 pCi/L[5]	1.45	ND
Radium 226/228	5 pCi/L	0.912/0.639	ND / 0.960
Uranium	0.030	0.001	ND
Radon	-- pCi/L	68.1	101.1
Volatile Organic Compounds EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
Benzene	0.005	0.0005	ND
Bromobenzene	--	0.0005	ND
Bromochloromethane	--	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Bromomethane	--	0.0005	ND
n-Butylbenzene	--	0.0005	ND
sec-Butylbenzene	--	0.0005	ND
tert-Butylbenzene	--	0.0005	ND
Carbon Tetrachloride	0.005	0.0005	ND
Chloroethane	--	0.0005	ND
Chloroform	--	0.0005	ND
Chloromethane	--	0.0005	ND
o-Chlorotoluene	--	0.0005	ND
p-Chlorotoluene	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Dibromomethane	--	0.0005	ND
o-Dichlorobenzene	0.6	0.0005	ND
m-Dichlorobenzene	--	0.0005	ND
p-Dichlorobenzene	0.075	0.0005	ND
Dichlorodifluoromethane	--	0.0005	ND
1,1-Dichloroethane	--	0.0005	ND
1,2-Dichloroethane	0.005	0.0005	ND
1,1-Dichloroethylene	0.007	0.0005	ND
cis-1,2-Dichloroethylene	0.07	0.0005	ND
trans-1,2-Dichloroethylene	0.1	0.0005	ND
1,2-Dichloropropane	0.005	0.0005	ND
1,3-Dichloropropane	--	0.0005	ND
2,2-Dichloropropane	--	0.0005	ND
1,1-Dichloropropene	--	0.0005	ND
cis-1,3-Dichloropropene	--	0.0005	ND
trans-1,3-Dichloropropene	--	0.0005	ND
Ethylbenzene	0.7	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	DACHSTEIN ARTESIAN WELL SOURCE 1108-013 (mg/L)
EPA 524.2 continued:			
Hexachlorobutadiene	--	0.0005	ND
Isopropylbenzene	--	0.0005	ND
p-Isopropyltoluene	--	0.0005	ND
Methyl tert-Butyl Ether (MTBE)	--	0.0005	ND
Methylene Chloride (Dichloromethane)	0.005	0.0005	ND
Monochlorobenzene	0.1	0.0005	ND
Naphthalene	--	0.0005	ND
n-Propylbenzene	--	0.0005	ND
Styrene	0.1	0.0005	ND
1,1,1,2-Tetrachloroethane	--	0.0005	ND
1,1,2,2-Tetrachloroethane	--	0.0005	ND
Tetrachloroethylene	0.005	0.0005	ND
Toluene	1	0.0005	ND
1,2,3-Trichlorobenzene	--	0.0005	ND
1,2,4-Trichlorobenzene	0.07	0.0005	ND
1,1,1-Trichloroethane	0.2	0.0005	ND
1,1,2-Trichloroethane	0.005	0.0005	ND
Trichloroethylene	0.005	0.0005	ND
Trichlorofluoromethane	--	0.0005	ND
1,2,3-Trichloropropane	--	0.0005	ND
1,2,4-Trimethylbenzene	--	0.0005	ND
1,3,5-Trimethylbenzene	--	0.0005	ND
Vinyl Chloride	0.002	0.0005	ND
m+p-Xylenes	--	0.0005	ND
ortho-Xylene	--	0.0005	ND
Total Xylene	10	0.0005	ND
Add'l Organics			
EPA 504.1:			
1,2-Dibromoethane	0.00005	0.00002	ND
1,2 Dibromo-3-chloropropane	0.0002	0.00002	ND
1,2,3-Trichloropropane	0.00003	0.00002	ND
EPA 508.1:			
Chlordane (alpha and gamma)	0.002	0.0002	ND
Total PCBs	0.0005	0.0005	ND
Toxaphene	0.003	0.001	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	DACHSTEIN ARTESIAN WELL SOURCE 1108-013 (mg/L)
EPA 515.4:			
2,4-D	0.07	0.0001	ND
Dalapon	0.2	0.001	ND
Dicamba	--	0.0002	ND
Dinoseb	0.007	0.0002	ND
Pentachlorophenol	0.001	0.00004	ND
Picloram	0.5	0.0001	ND
2,4,5-TP (Silvex)	0.05	0.0002	ND
EPA 525.2:			
Alachlor	0.002	0.0002	ND
Aldrin	--	0.0001	ND
Atrazine	0.003	0.0001	ND
Benzo(a)Pyrene	0.0002	0.00002	ND
Butachlor	--	0.0001	ND
Di(2-ethylhexyl)Adipate	0.4	0.0006	ND
Di(2-ethylhexyl)Phthalate	0.006	0.0006	ND
Dieldrin	--	0.0001	ND
Endrin	0.002	0.00001	ND
Heptachlor	0.0004	0.00004	ND
Heptachlor Epoxide	0.0002	0.00002	ND
Hexachlorobenzene	0.001	0.0001	ND
Hexachlorocyclopentadiene	0.05	0.0001	ND
Lindane	0.0002	0.00002	ND
Methoxychlor	0.04	0.0001	ND
Metolachlor	--	0.0001	ND
Metribuzin	--	0.0001	ND
Propachlor	--	0.0001	ND
Simazine	0.004	0.00007	ND
EPA 531.2:			
Aldicarb (TEMIK)	--	0.001	ND
Aldicarb sulfone	--	0.0016	ND
Aldicarb sulfoxide	--	0.001	ND
Carbaryl	--	0.001	ND
Carbofuran (FURADAN)	0.04	0.0009	ND
3-Hydroxycarbofuran	--	0.001	ND
Methomyl	--	0.001	ND
Oxamyl (VYDATE)	0.2	0.002	ND
EPA 547:			
Glyphosate	0.7	0.006	ND
EPA 548.1:			
Endothall	0.1	0.009	ND
EPA 549.2:			
Diquat	0.02	0.0004	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	DACHSTEIN ARTESIAN WELL SOURCE 1108-013 (mg/L)
EPA 1613:			
2,3,7,8-TCDD (DIOXIN)	3x10-8	5.0x10-9	ND
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Chloroform	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Miscellaneous			
EPA 331.0:			
Perchlorate	--	0.0005	ND

EPA approved methods were used in all of the analyses and a listing is available upon request. These test results may be used for compliance purposes as required.

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[1] The EPA, some State agencies and/or the IBWA may have established alternate MCLs for some of these analytes. Please refer to Federal, State and Industry codes.
[2] Fluoride MCL is determined by annual average of maximum daily air temperatures where the bottled water is sold. Refer to tables found in 21 CFR 165. The MCL for bottled water to which Fluoride has been added is 0.7 mg/L.
[3] Mineral water is exempt from allowable levels per 21 CFR 165.110(b)(3) and (4). The exemptions are aesthetically based allowable levels and do not relate to a health concern.
[4] MCL established by US FDA for waters that meet the US FDA definition of "Purified" is 5-7 pH Units per the USP XXIII Standards, as referenced in 21 CFR 165.
[5] The bottled water shall not contain beta particle and photon radioactivity from man-made radionuclides in excess of that which would produce an annual dose equivalent to the total body or any internal organ of 4 millirems per year calculated on the basis of an intake of 2 liters of the water per day (= 50 pCi/L).

Burlington, WA *Corporate Laboratory (a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

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20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

June 30, 2024

Ms. Terri Deschuiteneer
Alpine Water GMBH
Obertraun 311, 4831 Obertraun Austria
Not Provided, AT 00000

RE: 24-15398 - 1108-013

Dear Ms. Terri Deschuiteneer,

Your project: 1108-013, was received on Thursday May 30, 2024.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report
QC Reports
Chain of Custody

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BOTTLED WATER STANDARD OF QUALITY REPORT

Client Name: Alpine Water GMBH
Obertraun 311, 4831 Obertraun Austria
Not Provided, AT 00000

Reference Number: **24-15398**
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Project: 1108-013
Field ID: 1108-013
Sample Description: Dachstein Artesian Well Source
Sampled By: Schwarzenland
Sample Date: 05/27/2024

Lab Number: 29053
Report Date: 06/30/2024
Sampled Comment:
Approved By: anp,bj,ma,mcs,pdm,tjb

Inorganic Chemicals (IOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
57-12-5	CYANIDE	**ND**	0.2	0.005	mg/L	OIA-1677-DW	a	
7440-36-0	ANTIMONY	**ND**	0.006	0.001	mg/L	200.8	a	
7440-38-2	ARSENIC	**ND**	0.010	0.001	mg/L	200.8	a	
7440-39-3	BARIUM	**0.0082**	1.0	0.001	mg/L	200.8	a	
7440-41-7	BERYLLIUM	**ND**	0.004	0.001	mg/L	200.8	a	
7440-43-9	CADMIUM	**ND**	0.005	0.001	mg/L	200.8	a	
7440-47-3	CHROMIUM	**ND**	0.05	0.001	mg/L	200.8	a	
16984-48-8	FLUORIDE	**ND**	2	0.10	mg/L	300.0	a	
7439-92-1	LEAD	**ND**	0.005	0.001	mg/L	200.8	a	
7439-97-6	MERCURY	**ND**	0.001	0.0002	mg/L	245.1	a	
7440-02-0	NICKEL	**ND**	0.1	0.001	mg/L	200.8	a	
14797-55-8	NITRATE-N	**0.35**	10	0.10	mg/L	300.0	a	
14797-65-0	NITRITE-N	**ND**	1.0	0.10	mg/L	300.0	a	
E-10128	TOTAL NITRATE+NITRITE as N	**0.35**	10	0.10	mg/L	300.0	a	
7782-49-2	SELENIUM	**ND**	0.010	0.005	mg/L	200.8	a	
7440-28-0	THALLIUM	**ND**	0.002	0.001	mg/L	200.8	a	

Notation:

A Result of "ND" indicates that the compound was not detected above the Lab's Reporting Limit - MRL.
SOQ - Standard of Quality, maximum permissible level of a contaminant in water established by CBWA, IBWA or US FDA.
MRL - Method Reporting Limit .

If you have any questions concerning this report contact us at the above phone number.

FORM: cFDA.rpt

BOTTLED WATER STANDARD OF QUALITY REPORT

Secondary Inorganic Parameters

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
7429-90-5	ALUMINUM	**ND**	0.2	0.010	mg/L	200.7	a	
16887-00-6	CHLORIDE	**0.1**	250	0.1	mg/L	300.0	a	
7440-50-8	COPPER	**ND**	1.0	0.005	mg/L	200.8	a	
7439-89-6	IRON	**ND**	0.3	0.050	mg/L	200.7	a	
7439-96-5	MANGANESE	**ND**	0.05	0.001	mg/L	200.8	a	
7440-22-4	SILVER	**ND**	0.025	0.001	mg/L	200.8	a	
14808-79-8	SULFATE	**1.6**	250	0.2	mg/L	300.0	a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	**83**	500	10	mg/L	SM2540 C	a	
7440-66-6	ZINC	**ND**	5.00	0.005	mg/L	200.8	a	

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BOTTLED WATER STANDARD OF QUALITY REPORT

Volatile Organic Chemicals (VOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
75-35-4	1,1 - DICHLOROETHYLENE	**ND**	2	0.5	ug/L	524.2	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**	30	0.5	ug/L	524.2	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**	5	0.5	ug/L	524.2	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**	2	0.5	ug/L	524.2	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**	5	0.5	ug/L	524.2	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**	9	0.5	ug/L	524.2	a	
71-43-2	BENZENE	**ND**	1	0.5	ug/L	524.2	a	
56-23-5	CARBON TETRACHLORIDE	**ND**	2	0.5	ug/L	524.2	a	
156-59-2	CIS - 1,2 - DICHLOROETHYLENE	**ND**	70	0.5	ug/L	524.2	a	
156-60-5	TRANS - 1,2 - DICHLOROETHYLENE	**ND**	100	0.5	ug/L	524.2	a	
100-41-4	ETHYLBENZENE	**ND**	700	0.5	ug/L	524.2	a	
75-09-2	DICHLOROMETHANE	**ND**	3	0.5	ug/L	524.2	a	
108-90-7	MONOCHLOROBENZENE	**ND**	50	0.5	ug/L	524.2	a	
95-50-1	O - DICHLOROBENZENE	**ND**	600	0.5	ug/L	524.2	a	
106-46-7	P - DICHLOROBENZENE	**ND**	75	0.5	ug/L	524.2	a	
100-42-5	STYRENE	**ND**	100	0.5	ug/L	524.2	a	
127-18-4	TETRACHLOROETHYLENE	**ND**	1	0.5	ug/L	524.2	a	
108-88-3	TOLUENE	**ND**	1000	0.5	ug/L	524.2	a	
79-01-6	TRICHLOROETHYLENE	**ND**	1	0.5	ug/L	524.2	a	
75-01-4	VINYL CHLORIDE	**ND**	2	0.5	ug/L	524.2	a	
1330-20-7	XYLENES (TOTAL)	**ND**	1000	0.5	ug/L	524.2	a	

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BOTTLED WATER STANDARD OF QUALITY REPORT

Synthetic Organic Chemicals (SOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
94-75-7	2,4 - D	ND	70	0.1	ug/L	515.4	a	
93-72-1	2,4,5 - TP (SILVEX)	ND	10	0.2	ug/L	515.4	a	
16655-82-6	3-HYDROXYCARBOFURAN	ND		1.0	ug/L	531.2	a	
15972-60-8	ALACHLOR	ND	2	0.2	ug/L	525.2	a	
116-06-3	ALDICARB	ND		1.0	ug/L	531.2	a	
1646-88-4	ALDICARB SULFONE	ND		1.6	ug/L	531.2	a	
1646-87-3	ALDICARB SULFOXIDE	ND		1.0	ug/L	531.2	a	
309-00-2	ALDRIN	ND		0.1	ug/L	525.2	a	
1912-24-9	ATRAZINE	ND	3	0.1	ug/L	525.2	a	
50-32-8	BENZO(A)PYRENE	ND	0.2	0.02	ug/L	525.2	a	
23184-66-9	BUTACHLOR	ND		0.1	ug/L	525.2	a	
63-25-2	CARBARYL	ND		1.0	ug/L	531.2	a	
1563-66-2	CARBOFURAN	ND	40	0.9	ug/L	531.2	a	
57-74-9	CHLORDANE	ND	0.5	0.2	ug/L	508.1	a	
75-99-0	DALAPON	ND	200	1	ug/L	515.4	a	
117-81-7	DI(2-ETHYLHEXYL)-PHTHALATE	ND	6	0.6	ug/L	525.2	a	
103-23-1	DI(2-ETHYLHEXYL)-ADIPATE	ND	400	0.6	ug/L	525.2	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	0.2	0.02	ug/L	504.1	a	
1918-00-9	DICAMBA	ND		0.2	ug/L	515.4	a	
60-57-1	DIELDRIN	ND		0.1	ug/L	525.2	a	
88-85-7	DINOSEB	ND	7	0.2	ug/L	515.4	a	
1746-01-6	DIOXIN (2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN)	ND	30	5	pg/L	1613		Analyzed by PACE_MN
85-00-7	DIQUAT	ND	20	0.4	ug/L	549.2	a	
145-73-3	ENDOTHALL	ND	100	9	ug/L	548.1	a	
72-20-8	ENDRIN	ND	0.2	0.01	ug/L	525.2	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	ND	0.05	0.02	ug/L	504.1	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND	0.03	0.02	ug/L	504.1	a	
1071-83-6	GLYPHOSATE	ND	700	6	ug/L	547	a	
76-44-8	HEPTACHLOR	ND	0.4	0.04	ug/L	525.2	a	
1024-57-3	HEPTACHLOR EPOXIDE "B"	ND	0.2	0.02	ug/L	525.2	a	
118-74-1	HEXACHLOROBENZENE	ND	1	0.1	ug/L	525.2	a	
77-47-4	HEXACHLOROCYCLO-PENTADIENE	ND	50	0.1	ug/L	525.2	a	
58-89-9	LINDANE (BHC - GAMMA)	ND	0.2	0.02	ug/L	525.2	a	
16752-77-5	METHOMYL	ND		1.0	ug/L	531.2	a	
72-43-5	METHOXYCHLOR	ND	40	0.1	ug/L	525.2	a	
51218-45-2	METOLACHLOR	ND		0.1	ug/L	525.2	a	
21087-64-9	METRIBUZIN	ND		0.1	ug/L	525.2	a	
23135-22-0	OXAMYL (VYDATE)	ND	200	2	ug/L	531.2	a	
87-86-5	PENTACHLOROPHENOL	ND	1	0.04	ug/L	515.4	a	
1918-02-1	PICLORAM	ND	500	0.1	ug/L	515.4	a	
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBs)	ND	0.5	0.5	ug/L	508.1	a	
1918-16-7	PROPACHLOR	ND		0.1	ug/L	525.2	a	
122-34-9	SIMAZINE	ND	4	0.07	ug/L	525.2	a	
8001-35-2	TOXAPHENE	ND	3	1	ug/L	508.1	a	

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MRL - Method Reporting Limit .

BOTTLED WATER STANDARD OF QUALITY REPORT

Synthetic Organic Chemicals (SOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
E-10253	TOTAL PHENOLIC COMPOUNDS	**ND**	1	1	ug/L	420.4		Analyzed by Eurofins Pom CA

Notation:

A Result of "ND" indicates that the compound was not detected above the Lab's Reporting Limit - MRL.
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BOTTLED WATER STANDARD OF QUALITY REPORT

Perfluorinated Compounds

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
763051-92-9	11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONATE	ND		1.9	ng/L	537.1		Analyzed by Pace - FL
13252-13-6	HEXAFLUOROPROPYLENE OXIDE DIMER (HFPO-DA/GENX)	ND		1.9	ng/L	537.1		
919005-14-4	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (DONA, ADONA)	ND		1.9	ng/L	537.1		
756426-58-1	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (F-53B MAJOR)	ND		1.9	ng/L	537.1		
2991-50-6	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (NETFOSAA)	ND		1.9	ng/L	537.1		
2355-31-9	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	ND		1.9	ng/L	537.1		
375-73-5	PERFLUOROBUTANESULFONIC ACID (PFBS)	ND		1.9	ng/L	537.1		
335-76-2	PERFLUORODECANOIC ACID (PFDA)	ND		1.9	ng/L	537.1		
307-55-1	PERFLUORODODECANOIC ACID (PFDOA)	ND		1.9	ng/L	537.1		
375-85-9	PERFLUOROHEPTANOIC ACID (PFHPA)	ND		1.9	ng/L	537.1		
355-46-4	PERFLUOROHEXANESULFONIC ACID (PFHXS)	ND		1.9	ng/L	537.1		
307-24-4	PERFLUOROHEXANOIC ACID (PFHXA)	ND		1.9	ng/L	537.1		
375-95-1	PERFLUORONONANOIC ACID (PFNA)	ND		1.9	ng/L	537.1		
1763-23-1	PERFLUOROOCTANESULFONIC ACID (PFOS)	ND		1.9	ng/L	537.1		
335-67-1	PERFLUOROOCTANOIC ACID (PFOA)	ND		1.9	ng/L	537.1		
376-06-7	PERFLUOROTETRADECANOIC ACID (PFTA)	ND		1.9	ng/L	537.1		
72629-94-8	PERFLUOROTRIDECANOIC ACID (PFTRDA)	ND		1.9	ng/L	537.1		
2058-94-8	PERFLUOROUNDECANOIC ACID (PFUnA)	ND		1.9	ng/L	537.1		

Notation:

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BOTTLED WATER STANDARD OF QUALITY REPORT

Water Properties

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
1332-21-4	ASBESTOS	**ND**	7	0.17	MFL>10um	100.2		Analyzed by EMSL
E-10139	HYDROGEN ION (pH)	**8.22**			pH Units	150.1	a	Temp (C) : 21.6
NA	TASTE	**ND**		1	FTN	SM2160 B	a	Temp (C) 21.0
NA	MBAS (Surfactants)	**ND**		0.10	mg/L	SM5540 C	a	Analyzed By Eurofins Pom CA
E-11712	COLOR	**ND**	15	5	COLOR UNIT	SM2120 B	a	pH: 7
E-11734	ODOR	**ND**	3	1	TON	SM2150	a	Temperature: 39.2 C
E-10617	TURBIDITY	**ND**	1	0.10	NTU	180.1	a	

Notation:

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BOTTLED WATER STANDARD OF QUALITY REPORT

Disinfectants/DBP

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
E-14471	TOTAL TRIHALOMETHANE	**ND**	10	0.5	ug/L	524.2	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		0.5	ug/L	524.2	a	
124-48-1	CHLORODIBROMOMETHANE	**ND**		0.5	ug/L	524.2	a	
67-66-3	CHLOROFORM	**ND**		0.5	ug/L	524.2	a	
75-25-2	BROMOFORM	**ND**		0.5	ug/L	524.2	a	

Notation:

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MRL - Method Reporting Limit .

BOTTLED WATER STANDARD OF QUALITY REPORT

Radiological Contaminants

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
12587-46-1	GROSS ALPHA	**ND**	15	0	pCi/L	900.0		Analyzed by PacePA
12587-47-2	GROSS BETA	**ND**	50	0	pCi/L	900.0		
13982-63-3	RADIUM 226	**ND**			pCi/L	903.1		
15262-20-1	RADIUM 228	**0.960**	5		pCi/L	904.0		
7440-61-1	URANIUM	**ND**	0.030	0.001	mg/L	200.8	a	
14859-67-7	RADON	**101.1**			pCi/L	SM7500-Rn B		Analyzed by Pace-PA

Notation:

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BOTTLED WATER STANDARD OF QUALITY REPORT

Additional Volatile Organic Chemicals (New York)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
542-75-6	1,3-DICHLOROPROPYLENE, TOTAL	ND		0.5	ug/L	524.2	a	
75-34-3	1,1 - DICHLOROETHANE	ND		0.5	ug/L	524.2	a	
563-58-6	1,1 - DICHLOROPROPENE	ND		0.5	ug/L	524.2	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		0.5	ug/L	524.2	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		0.5	ug/L	524.2	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		0.5	ug/L	524.2	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		0.5	ug/L	524.2	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND	21	0.5	ug/L	524.2	a	
142-28-9	1,3 - DICHLOROPROPANE	ND		0.5	ug/L	524.2	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		0.5	ug/L	524.2	a	
594-20-7	2,2 - DICHLOROPROPANE	ND		0.5	ug/L	524.2	a	
108-86-1	BROMOBENZENE	ND		0.5	ug/L	524.2	a	
74-97-5	BROMOCHLOROMETHANE	ND		0.5	ug/L	524.2	a	
74-83-9	BROMOMETHANE	ND		0.5	ug/L	524.2	a	
75-00-3	CHLOROETHANE	ND		0.5	ug/L	524.2	a	
74-87-3	CHLOROMETHANE	ND		0.5	ug/L	524.2	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	ND		0.5	ug/L	524.2	a	
74-95-3	DIBROMOMETHANE	ND		0.5	ug/L	524.2	a	
75-71-8	DICHLORODIFLUOROMETHANE	ND		0.5	ug/L	524.2	a	
87-68-3	HEXACHLOROBUTADIENE	ND		0.5	ug/L	524.2	a	
98-82-8	ISOPROPYLBENZENE	ND		0.5	ug/L	524.2	a	
541-73-1	M - DICHLOROBENZENE	ND		0.5	ug/L	524.2	a	
179601-23-1	M/P - XYLENE	ND		0.5	ug/L	524.2	a	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		0.5	ug/L	524.2	a	
104-51-8	N - BUTYLBENZENE	ND		0.5	ug/L	524.2	a	
103-65-1	N - PROPYLBENZENE	ND		0.5	ug/L	524.2	a	
91-20-3	NAPHTHALENE	ND	14	0.5	ug/L	524.2	a	
95-49-8	O - CHLOROTOLUENE	ND		0.5	ug/L	524.2	a	
106-43-4	P - CHLOROTOLUENE	ND		0.5	ug/L	524.2	a	
95-47-6	O - XYLENE	ND		0.5	ug/L	524.2	a	
99-87-6	P - ISOPROPYLTOLUENE	ND		0.5	ug/L	524.2	a	
135-98-8	SEC - BUTYLBENZENE	ND		0.5	ug/L	524.2	a	
98-06-6	TERT - BUTYLBENZENE	ND		0.5	ug/L	524.2	a	
10061-02-6	TRANS- 1,3 - DICHLOROPROPENE	ND		0.5	ug/L	524.2	a	
75-69-4	TRICHLOROFLUOROMETHANE	ND		0.5	ug/L	524.2	a	

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BOTTLED WATER STANDARD OF QUALITY REPORT

Additional Inorganic Chemicals (New York)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
E-11778	HARDNESS	**86.4**		10	mg CaCO3/L	200.7	a	
E-14506	ALKALINITY	**92**		1	mg CaCO3/L	SM2320 B	a	
NA	CORROSIVITY	**-0.24**			SI	SM203	a	

Notation:

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MRL - Method Reporting Limit .

BOTTLED WATER STANDARD OF QUALITY REPORT

Inorganic Chemicals (Massachusetts)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Lab	COMMENT
1497-73-0	PERCHLORATE	**ND**	2	0.50	ug/L	331.0		Analyzed by Eurofins Pom CA

Notation:

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MRL - Method Reporting Limit .

EDGE ANALYTICAL

Burlington, WA *Corporate Laboratory (a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

Client Name: Alpine Water GMBH
Obertraun 311, 4831 Obertraun Austria
Not Provided, AT 00000

Reference Number: **24-15398**
Project: 1108-013

Report Date: 6/30/24

Date Received: 5/30/24
Approved by: anp,bj
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: 1108-013 Dachstein Artesian Well Source — Matrix SO — Sample Date: 5/27/24 11:59 pm
Lab Number: 29053 — Sample Comment: — Collected By: Schwarzenland

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7440-42-8	**BORON**	ND	0.050	0.0075	mg/L	1.0	200.7	a	6/7/24	BJ	200.7_240607C4	
7440-70-2	**CALCIUM**	19.6	0.5	0.006	mg/L	1.0	200.7	a	6/5/24	BJ	200.7_240604A5	
7439-95-4	**MAGNESIUM**	9.1	0.5	0.001	mg/L	1.0	200.7	a	6/5/24	BJ	200.7_240604A5	
7440-23-5	**SODIUM**	ND	0.5	0.3	mg/L	1.0	200.7	a	6/5/24	BJ	200.7_240604A5	
7440-09-7	**POTASSIUM**	ND	1.0	0.06	mg/L	1.0	200.7	a	6/5/24	BJ	200.7_240604A5	
24959-67-9	**BROMIDE**	ND	0.005	0.00019	mg/L	1.0	300.1	a	6/10/24	JWN	300.1_240610A	
E-10184	**ELECTRICAL CONDUCTIVITY**	162	10		uS/cm	1.0	SM2510 B	a	6/3/24	ATH	EC_240603R	
	TOTAL COLIFORM For Taste Test	ABSENT H1	P/A		per 100mL	1.0	SM9223 B/Colilert-18	a	5/31/24	BJ	M_240530BUR	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.
Form: cRslt_2.rpt

ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Calibration Check

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
1677_240604	0	CYANIDE	0.104	0.100	mg/L	OIA-1677-DW	104	90-110		CAL	
200.7_240604A5	2	HARDNESS	74.8	72.8	mg/L	200.7	103	90-110		CAL	
	2	ALUMINUM	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	IRON	1	1	mg/L	200.7	100	90-110		CAL	
	2	CALCIUM	11.5	11	mg/L	200.7	105	90-110		CAL	
	2	MAGNESIUM	11.2	11	mg/L	200.7	102	90-110		CAL	
	2	POTASSIUM	9.9	10	mg/L	200.7	99	90-110		CAL	
	2	SODIUM	11.2	11	mg/L	200.7	102	90-110		CAL	
200.7_240607C4	2	BORON	1.04	1	mg/L	200.7	104	90-110		CAL	
200.8_240607A4	0	URANIUM	0.00096	0.001	mg/L	200.8	96	80-120		CAL	
	0	COPPER	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
	0	MANGANESE	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
	0	SILVER	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0	ZINC	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
	0	ANTIMONY	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0	ARSENIC	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	BARIUM	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	CADMIUM	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	CHROMIUM	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	LEAD	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
	0	NICKEL	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0	SELENIUM	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
	0	THALLIUM	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
200.8_240611A4	0	BERYLLIUM	0.001	0.001	mg/L	200.8	100	80-120		CAL	
245.1_240618	0	MERCURY	0.00200	0.00200	mg/L	245.1	100	95-105		CAL	
300.1_240610A	1	BROMIDE	0.0048	0.005	mg/L	300.1	96	75-125		CAL	
	2	BROMIDE	0.0101	0.01	mg/L	300.1	101	75-125		CAL	
	3	BROMIDE	0.0144	0.015	mg/L	300.1	96	75-125		CAL	
	4	BROMIDE	0.0503	0.05	mg/L	300.1	101	75-125		CAL	
549_240603	0	DIQUAT	19.2	20	ug/L	549.2	96	80-120		CAL	
EC_240603R	0	ELECTRICAL CONDUCTIVITY	143	146.9	uS/cm	SM2510 B	97	85-115		CAL	
IC06_240530A	0	CHLORIDE	1.0	1	mg/L	300.0	100	90-110		CAL	
	0	SULFATE	1.9	2	mg/L	300.0	95	90-110		CAL	
	0	FLUORIDE	0.94	1	mg/L	300.0	94	90-110		CAL	
	0	NITRATE-N	1.00	1	mg/L	300.0	100	90-110		CAL	
	0	NITRITE-N	0.98	1	mg/L	300.0	98	90-110		CAL	
	0	TOTAL NITRATE+NITRITE as N	1.98	2	mg/L	300.0	99	90-110		CAL	
Turb_240530	0	TURBIDITY	10.2	10	NTU	180.1	102	90-110		CAL	
	1	TURBIDITY	10.2	10	NTU	180.1	102	90-110		CAL	
	2	TURBIDITY	10.0	10	NTU	180.1	100	90-110		CAL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
Turb_240530	3 TURBIDITY	9.98	10	NTU	180.1	100	90-110		CAL	
	4 TURBIDITY	9.90	10	NTU	180.1	99	90-110		CAL	
	5 TURBIDITY	9.21	10	NTU	180.1	92	90-110		CAL	
Low-Level Continuing Calibration Verification										
549_240603	2 DIQUAT	0.39	0.4	ug/L	549.2	98	50-150		LCCV	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_240604A5	1	HARDNESS	86.3	86	mg/L	200.7	100	85-115		LFB	
	1	ALUMINUM	0.512	0.5	mg/L	200.7	102	85-115		LFB	
	1	IRON	0.498	0.5	mg/L	200.7	100	85-115		LFB	
	1	CALCIUM	13.3	13	mg/L	200.7	102	85-115		LFB	
	1	MAGNESIUM	12.9	13	mg/L	200.7	99	85-115		LFB	
	1	POTASSIUM	17	17.5	mg/L	200.7	97	85-115		LFB	
	1	SODIUM	13.1	13	mg/L	200.7	101	85-115		LFB	
200.8_240607A4	0	URANIUM	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	COPPER	0.0105	0.01	mg/L	200.8	105	85-115		LFB	
	0	MANGANESE	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	SILVER	0.0103	0.01	mg/L	200.8	103	85-115		LFB	
	0	ZINC	0.0107	0.01	mg/L	200.8	107	85-115		LFB	
	0	ANTIMONY	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	ARSENIC	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	BARIUM	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	CADMIUM	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	CHROMIUM	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	LEAD	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	NICKEL	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	SELENIUM	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	THALLIUM	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
200.8_240611A4	0	BERYLLIUM	0.01	0.01	mg/L	200.8	100	85-115		LFB	
245.1_240618	0	MERCURY	0.00168	0.00167	mg/L	245.1	101	85-115		LFB	
504_240605	0	1,2 - DIBROMOETHANE (EDB)	0.25	0.25	ug/L	504.1	100	70-130		LFB	
	0	1,2,3 - TRICHLOROPROPANE	0.25	0.25	ug/L	504.1	100	70-130		LFB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.26	0.25	ug/L	504.1	104	70-130		LFB	
	1	1,2 - DIBROMOETHANE (EDB)	0.22	0.25	ug/L	504.1	88	70-130		LFB	
	1	1,2,3 - TRICHLOROPROPANE	0.24	0.25	ug/L	504.1	96	70-130		LFB	
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.25	0.25	ug/L	504.1	100	70-130		LFB	
508_240605	0	CHLORDANE	0.22	0.2	ug/L	508.1	110	70-130		LFB	
515_240604	0	2,4 - D	0.554	0.5	ug/L	515.4	111	70-130		LFB	
	0	2,4,5 - TP (SILVEX)	0.552	0.5	ug/L	515.4	110	70-130		LFB	
	0	DICAMBA	0.558	0.5	ug/L	515.4	112	70-130		LFB	
	0	DINOSEB	0.532	0.5	ug/L	515.4	106	70-130		LFB	
	0	PENTACHLOROPHENOL	0.548	0.5	ug/L	515.4	110	70-130		LFB	
	0	PICLORAM	0.381	0.5	ug/L	515.4	76	70-130		LFB	
	1	2,4 - D	3.13	2.5	ug/L	515.4	125	70-130		LFB	
	1	2,4,5 - TP (SILVEX)	2.96	2.5	ug/L	515.4	118	70-130		LFB	
	1	DALAPON	2.76	2.5	ug/L	515.4	110	70-130		LFB	
	1	DICAMBA	2.93	2.5	ug/L	515.4	117	70-130		LFB	
	1	DINOSEB	2.83	2.5	ug/L	515.4	113	70-130		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
515_240604	1	PENTACHLOROPHENOL	3.01	2.5	ug/L	515.4	120	70-130		LFB	
	1	PICLORAM	2.62	2.5	ug/L	515.4	105	70-130		LFB	
524_240607	0	1,1 - DICHLOROETHANE	9.8	10	ug/L	524.2	98	70-130		LFB	
	0	1,1 - DICHLOROPROPENE	10.3	10	ug/L	524.2	103	70-130		LFB	
	0	1,1,1,2 - TETRACHLOROETHANE	10.8	10	ug/L	524.2	108	70-130		LFB	
	0	1,1,2,2 - TETRACHLOROETHANE	10.5	10	ug/L	524.2	105	70-130		LFB	
	0	1,2,3 - TRICHLOROBENZENE	10.0	10	ug/L	524.2	100	70-130		LFB	
	0	1,2,3 - TRICHLOROPROPANE	9.8	10	ug/L	524.2	98	70-130		LFB	
	0	1,2,4 - TRIMETHYLBENZENE	11.0	10	ug/L	524.2	110	70-130		LFB	
	0	1,3 - DICHLOROPROPANE	9.4	10	ug/L	524.2	94	70-130		LFB	
	0	1,3,5 - TRIMETHYLBENZENE	11.3	10	ug/L	524.2	113	70-130		LFB	
	0	2,2 - DICHLOROPROPANE	10.8	10	ug/L	524.2	108	70-130		LFB	
	0	BROMOBENZENE	10.7	10	ug/L	524.2	107	70-130		LFB	
	0	BROMOCHLOROMETHANE	9.5	10	ug/L	524.2	95	70-130		LFB	
	0	BROMOMETHANE	9.8	10	ug/L	524.2	98	70-130		LFB	
	0	CHLOROETHANE	10.9	10	ug/L	524.2	109	70-130		LFB	
	0	CHLOROMETHANE	10.0	10	ug/L	524.2	100	70-130		LFB	
	0	CIS - 1,3 - DICHLOROPROPENE	9.1	10	ug/L	524.2	91	70-130		LFB	
	0	DIBROMOMETHANE	8.7	10	ug/L	524.2	87	70-130		LFB	
	0	DICHLORODIFLUOROMETHANE	12.1	10	ug/L	524.2	121	70-130		LFB	
	0	HEXACHLOROBUTADIENE	9.8	10	ug/L	524.2	98	70-130		LFB	
	0	ISOPROPYLBENZENE	11.5	10	ug/L	524.2	115	70-130		LFB	
	0	M - DICHLOROBENZENE	11.0	10	ug/L	524.2	110	70-130		LFB	
	0	M/P - XYLENE	22.2	20	ug/L	524.2	111	70-130		LFB	
	0	METHYL TERT-BUTYL ETHER	9.4	10	ug/L	524.2	94	70-130		LFB	
	0	N - BUTYLBENZENE	11.0	10	ug/L	524.2	110	70-130		LFB	
	0	N - PROPYLBENZENE	11.3	10	ug/L	524.2	113	70-130		LFB	
	0	NAPHTHALENE	10.3	10	ug/L	524.2	103	70-130		LFB	
	0	O - CHLOROTOLUENE	11.0	10	ug/L	524.2	110	70-130		LFB	
	0	O - XYLENE	10.8	10	ug/L	524.2	108	70-130		LFB	
	0	P - CHLOROTOLUENE	11.0	10	ug/L	524.2	110	70-130		LFB	
	0	P - ISOPROPYLTOLUENE	11.5	10	ug/L	524.2	115	70-130		LFB	
	0	SEC - BUTYLBENZENE	11.5	10	ug/L	524.2	115	70-130		LFB	
	0	TERT - BUTYLBENZENE	11.5	10	ug/L	524.2	115	70-130		LFB	
	0	TRANS- 1,3 - DICHLOROPROPENE	9.0	10	ug/L	524.2	90	70-130		LFB	
	0	TRICHLOROFLUOROMETHANE	10.8	10	ug/L	524.2	108	70-130		LFB	
	0	BROMODICHLOROMETHANE	9.4	10	ug/L	524.2	94	70-130		LFB	
	0	BROMOFORM	9.0	10	ug/L	524.2	90	70-130		LFB	
	0	CHLORODIBROMOMETHANE	9.5	10	ug/L	524.2	95	70-130		LFB	
	0	CHLOROFORM	9.6	10	ug/L	524.2	96	70-130		LFB	
	0	1,1 - DICHLOROETHYLENE	10.8	10	ug/L	524.2	108	70-130		LFB	
	0	1,1,1 - TRICHLOROETHANE	9.9	10	ug/L	524.2	99	70-130		LFB	
	0	1,1,2 - TRICHLOROETHANE	9.4	10	ug/L	524.2	94	70-130		LFB	

*Notation:
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NA = Indicates % Recovery could not be calculated.
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ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
524_240607	0	1,2 - DICHLOROETHANE	9.0	10	ug/L	524.2	90	70-130		LFB	
	0	1,2 - DICHLOROPROPANE	9.4	10	ug/L	524.2	94	70-130		LFB	
	0	1,2,4 - TRICHLOROBENZENE	9.8	10	ug/L	524.2	98	70-130		LFB	
	0	BENZENE	9.5	10	ug/L	524.2	95	70-130		LFB	
	0	CARBON TETRACHLORIDE	10.0	10	ug/L	524.2	100	70-130		LFB	
	0	CIS - 1,2 - DICHLOROETHYLENE	9.6	10	ug/L	524.2	96	70-130		LFB	
	0	DICHLOROMETHANE	9.0	10	ug/L	524.2	90	70-130		LFB	
	0	ETHYLBENZENE	11.2	10	ug/L	524.2	112	70-130		LFB	
	0	MONOCHLOROBENZENE	11.0	10	ug/L	524.2	110	70-130		LFB	
	0	O - DICHLOROBENZENE	10.8	10	ug/L	524.2	108	70-130		LFB	
	0	P - DICHLOROBENZENE	11.0	10	ug/L	524.2	110	70-130		LFB	
	0	STYRENE	11.1	10	ug/L	524.2	111	70-130		LFB	
	0	TETRACHLOROETHYLENE	10.6	10	ug/L	524.2	106	70-130		LFB	
	0	TOLUENE	10.0	10	ug/L	524.2	100	70-130		LFB	
	0	TRANS - 1,2 - DICHLOROETHYLENE	10.2	10	ug/L	524.2	102	70-130		LFB	
	0	TRICHLOROETHYLENE	9.7	10	ug/L	524.2	97	70-130		LFB	
	0	VINYL CHLORIDE	11.3	10	ug/L	524.2	113	70-130		LFB	
525_240605	0	ALACHLOR	2.23	2	ug/L	525.2	112	70-130		LFB	
	0	ALDRIN	0.91	1	ug/L	525.2	91	70-130		LFB	
	0	ATRAZINE	2.39	2	ug/L	525.2	120	70-130		LFB	
	0	BUTACHLOR	1.10	1	ug/L	525.2	110	70-130		LFB	
	0	DI(2-ETHYLHEXYL)-ADIPATE	1.07	1	ug/L	525.2	107	70-130		LFB	
	0	DI(2-ETHYLHEXYL)-PHTHALATE	1.14	1	ug/L	525.2	114	70-130		LFB	
	0	DIELDRIN	1.03	1	ug/L	525.2	103	70-130		LFB	
	0	HEPTACHLOR EPOXIDE "B"	1.14	1	ug/L	525.2	114	70-130		LFB	
	0	METOLACHLOR	1.03	1	ug/L	525.2	103	70-130		LFB	
	0	METRIBUZIN	0.65	1	ug/L	525.2	65	70-130	LR	LFB	
	0	PROPACHLOR	1.10	1	ug/L	525.2	110	70-130		LFB	
	0	SIMAZINE	0.96	1	ug/L	525.2	96	70-130		LFB	
531_240613	0	3-HYDROXYCARBOFURAN	20.2	20	ug/L	531.2	101	70-130		LFB	
	0	ALDICARB	20.2	20	ug/L	531.2	101	70-130		LFB	
	0	ALDICARB SULFONE	20.2	20	ug/L	531.2	101	70-130		LFB	
	0	ALDICARB SULFOXIDE	20.1	20	ug/L	531.2	101	70-130		LFB	
	0	CARBARYL	19.8	20	ug/L	531.2	99	70-130		LFB	
	0	CARBOFURAN	20.4	20	ug/L	531.2	102	70-130		LFB	
	0	METHOMYL	20.2	20	ug/L	531.2	101	70-130		LFB	
	0	OXAMYL (VYDATE)	20.3	20	ug/L	531.2	102	70-130		LFB	
547_240611	0	GLYPHOSATE	22.1	20	ug/L	547	111	81-126		LFB	
	1	GLYPHOSATE	42.3	40	ug/L	547	106	81-126		LFB	
	2	GLYPHOSATE	19.4	20	ug/L	547	97	81-126		LFB	
548_240603	0	ENDOTHALL	14.3	20	ug/L	548.1	72	50-121		LFB	
549_240603	0	DIQUAT	17.1	20	ug/L	549.2	86	70-130		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt

ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Fortified Blank											
ALK_240604	0	ALKALINITY	99.3	100	mg CaCO3/L	SM2320 B	99	90-110		LFB	
EC_240603R	0	ELECTRICAL CONDUCTIVITY	104	100	uS/cm	SM2510 B	104	90-110		LFB	
Low-Level Lab Fortified Blank											
504_240605	1	1,2 - DIBROMOETHANE (EDB)	0.009	0.01	ug/L	504.1	90	60-140		LLFB	
	1	1,2,3 - TRICHLOROPROPANE	0.011	0.01	ug/L	504.1	110	60-140		LLFB	
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.009	0.01	ug/L	504.1	90	60-140		LLFB	
	2	1,2 - DIBROMOETHANE (EDB)	0.009	0.01	ug/L	504.1	90	60-140		LLFB	
	2	1,2,3 - TRICHLOROPROPANE	0.013	0.01	ug/L	504.1	130	60-140		LLFB	
	2	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.010	0.01	ug/L	504.1	100	60-140		LLFB	
515_240604	0	2,4 - D	0.083	0.1	ug/L	515.4	83	50-150		LLFB	
	0	2,4,5 - TP (SILVEX)	0.101	0.1	ug/L	515.4	101	50-150		LLFB	
	0	DALAPON	0.397	0.5	ug/L	515.4	79	50-150		LLFB	
	0	DICAMBA	0.141	0.1	ug/L	515.4	141	50-150		LLFB	
	0	DINOSEB	0.099	0.1	ug/L	515.4	99	50-150		LLFB	
	0	PENTACHLOROPHENOL	0.098	0.1	ug/L	515.4	98	50-150		LLFB	
	0	PICLORAM	0.071	0.1	ug/L	515.4	71	50-150		LLFB	
	1	PENTACHLOROPHENOL	0.039	0.04	ug/L	515.4	98	50-150		LLFB	
525_240605	0	ALACHLOR	0.23	0.2	ug/L	525.2	115	50-150		LLFB	
	0	ALDRIN	0.08	0.1	ug/L	525.2	80	50-150		LLFB	
	0	ATRAZINE	0.19	0.2	ug/L	525.2	95	50-150		LLFB	
	0	BUTACHLOR	0.09	0.1	ug/L	525.2	90	50-150		LLFB	
	0	DI(2-ETHYLHEXYL)-ADIPATE	0.12	0.1	ug/L	525.2	120	50-150		LLFB	
	0	DI(2-ETHYLHEXYL)-PHTHALATE	0.63	0.5	ug/L	525.2	126	50-150		LLFB	
	0	DIELDRIN	0.12	0.1	ug/L	525.2	120	50-150		LLFB	
	0	HEPTACHLOR EPOXIDE "B"	0.14	0.1	ug/L	525.2	140	50-150		LLFB	
	0	METOLACHLOR	0.10	0.1	ug/L	525.2	100	50-150		LLFB	
	0	METRIBUZIN	0.06	0.1	ug/L	525.2	60	50-150		LLFB	
	0	PROPACHLOR	0.13	0.1	ug/L	525.2	130	50-150		LLFB	
	0	SIMAZINE	0.11	0.1	ug/L	525.2	110	50-150		LLFB	
531_240613	0	3-HYDROXYCARBOFURAN	0.49	0.5	ug/L	531.2	98	50-150		LLFB	
	0	ALDICARB	0.50	0.5	ug/L	531.2	100	50-150		LLFB	
	0	ALDICARB SULFONE	0.52	0.5	ug/L	531.2	104	50-150		LLFB	
	0	ALDICARB SULFOXIDE	0.55	0.5	ug/L	531.2	110	50-150		LLFB	
	0	CARBARYL	0.52	0.5	ug/L	531.2	104	50-150		LLFB	
	0	CARBOFURAN	0.52	0.5	ug/L	531.2	104	50-150		LLFB	
	0	METHOMYL	0.48	0.5	ug/L	531.2	96	50-150		LLFB	
	0	OXAMYL (VYDATE)	0.49	0.5	ug/L	531.2	98	50-150		LLFB	
547_240611	0	GLYPHOSATE	4.11	5	ug/L	547	82	50-150		LLFB	
548_240603	0	ENDOTHALL	4.03	5	ug/L	548.1	81	50-150		LLFB	
549_240603	0	DIQUAT	0.27	0.4	ug/L	549.2	68	50-150		LLFB	

*Notation:
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Laboratory Reagent Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
1677_240604	0	CYANIDE	ND		mg/L	OIA-1677-DW		0-0		LRB	
200.7_240604A5	0	HARDNESS	ND		mg/L	200.7		0-0		LRB	
	0	ALUMINUM	ND		mg/L	200.7		0-0		LRB	
	0	IRON	ND		mg/L	200.7		0-0		LRB	
	0	CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		LRB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		LRB	
	0	SODIUM	ND		mg/L	200.7		0-0		LRB	
200.7_240607C4	0	BORON	ND		mg/L	200.7		0-0		LRB	
200.8_240607A4	0	URANIUM	ND		mg/L	200.8		0-0		LRB	
	0	COPPER	ND		mg/L	200.8		0-0		LRB	
	0	MANGANESE	ND		mg/L	200.8		0-0		LRB	
	0	SILVER	ND		mg/L	200.8		0-0		LRB	
	0	ZINC	ND		mg/L	200.8		0-0		LRB	
	0	ANTIMONY	ND		mg/L	200.8		0-0		LRB	
	0	ARSENIC	ND		mg/L	200.8		0-0		LRB	
	0	BARIUM	ND		mg/L	200.8		0-0		LRB	
	0	CADMIUM	ND		mg/L	200.8		0-0		LRB	
	0	CHROMIUM	ND		mg/L	200.8		0-0		LRB	
	0	LEAD	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL	ND		mg/L	200.8		0-0		LRB	
	0	SELENIUM	ND		mg/L	200.8		0-0		LRB	
	0	THALLIUM	ND		mg/L	200.8		0-0		LRB	
200.8_240611A4	0	BERYLLIUM	ND		mg/L	200.8		0-0		LRB	
245.1_240618	0	MERCURY	ND		mg/L	245.1		0-0		LRB	
300.1_240610A	0	BROMIDE	ND		mg/L	300.1		0-0		LRB	
ALK_240604	0	ALKALINITY	ND		mg CaCO3/L	SM2320 B		0-1		LRB	
	1	ALKALINITY	ND		mg CaCO3/L	SM2320 B		0-1		LRB	
IC06_240530A	0	CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0	SULFATE	ND		mg/L	300.0		0-0		LRB	
	0	FLUORIDE	ND		mg/L	300.0		0-0		LRB	
	0	NITRATE-N	ND		mg/L	300.0		0-0		LRB	
	0	NITRITE-N	ND		mg/L	300.0		0-0		LRB	
	0	TOTAL NITRATE+NITRITE as N	ND		mg/L	300.0		0-0		LRB	

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ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_240607C4	0	BORON	ND		mg/L	200.7		0-0		MB	
200.8_240607A4	0	URANIUM	ND		mg/L	200.8		0-0		MB	
	0	COPPER	ND		mg/L	200.8		0-0		MB	
	0	MANGANESE	ND		mg/L	200.8		0-0		MB	
	0	SILVER	ND		mg/L	200.8		0-0		MB	
	0	ZINC	ND		mg/L	200.8		0-0		MB	
	0	ANTIMONY	ND		mg/L	200.8		0-0		MB	
	0	ARSENIC	ND		mg/L	200.8		0-0		MB	
	0	BARIUM	ND		mg/L	200.8		0-0		MB	
	0	CADMIUM	ND		mg/L	200.8		0-0		MB	
	0	CHROMIUM	ND		mg/L	200.8		0-0		MB	
	0	LEAD	ND		mg/L	200.8		0-0		MB	
	0	NICKEL	ND		mg/L	200.8		0-0		MB	
	0	SELENIUM	ND		mg/L	200.8		0-0		MB	
	0	THALLIUM	ND		mg/L	200.8		0-0		MB	
200.8_240611A4	0	BERYLLIUM	ND		mg/L	200.8		0-0		MB	
504_240605	0	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	504.1		0-0		MB	
	0	1,2,3 - TRICHLOROPROPANE	ND		ug/L	504.1		0-0		MB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	504.1		0-0		MB	
	1	1,2 - DIBROMOETHANE (EDB)	ND		ug/L	504.1		0-0		MB	
	1	1,2,3 - TRICHLOROPROPANE	ND		ug/L	504.1		0-0		MB	
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	504.1		0-0		MB	
508_240605	0	CHLORDANE	ND		ug/L	508.1		0-0		MB	
	0	TOXAPHENE	ND		ug/L	508.1		0-0		MB	
	1	CHLORDANE	ND		ug/L	508.1		0-0		MB	
	1	TOXAPHENE	ND		ug/L	508.1		0-0		MB	
515_240604	0	2,4 - D	ND		ug/L	515.4		0-0		MB	
	0	2,4,5 - TP (SILVEX)	ND		ug/L	515.4		0-0		MB	
	0	DALAPON	ND		ug/L	515.4		0-0		MB	
	0	DICAMBA	ND		ug/L	515.4		0-0		MB	
	0	DINOSEB	ND		ug/L	515.4		0-0		MB	
	0	PENTACHLOROPHENOL	ND		ug/L	515.4		0-0		MB	
	0	PICLORAM	ND		ug/L	515.4		0-0		MB	
524_240607	0	1,1 - DICHLOROETHANE	ND		ug/L	524.2		0-0		MB	
	0	1,1 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	
	0	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	524.2		0-0		MB	
	0	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	524.2		0-0		MB	
	0	1,2,3 - TRICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	
	0	1,2,3 - TRICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	
	0	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	1,3 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
524_240607	0	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	2,2 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	
	0	BROMOBENZENE	ND		ug/L	524.2		0-0		MB	
	0	BROMOCHLOROMETHANE	ND		ug/L	524.2		0-0		MB	
	0	BROMOMETHANE	ND		ug/L	524.2		0-0		MB	
	0	CHLOROETHANE	ND		ug/L	524.2		0-0		MB	
	0	CHLOROMETHANE	ND		ug/L	524.2		0-0		MB	
	0	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	
	0	DIBROMOMETHANE	ND		ug/L	524.2		0-0		MB	
	0	DICHLORODIFLUOROMETHANE	ND		ug/L	524.2		0-0		MB	
	0	HEXACHLOROBUTADIENE	ND		ug/L	524.2		0-0		MB	
	0	ISOPROPYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	M - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	
	0	M/P - XYLENE	ND		ug/L	524.2		0-0		MB	
	0	METHYL TERT-BUTYL ETHER	ND		ug/L	524.2		0-0		MB	
	0	N - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	N - PROPYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	NAPHTHALENE	ND		ug/L	524.2		0-0		MB	
	0	O - CHLOROTOLUENE	ND		ug/L	524.2		0-0		MB	
	0	O - XYLENE	ND		ug/L	524.2		0-0		MB	
	0	P - CHLOROTOLUENE	ND		ug/L	524.2		0-0		MB	
	0	P - ISOPROPYLTOLUENE	ND		ug/L	524.2		0-0		MB	
	0	SEC - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	TERT - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	
	0	TRICHLOROFLUOROMETHANE	ND		ug/L	524.2		0-0		MB	
	0	BROMODICHLOROMETHANE	ND		ug/L	524.2		0-0		MB	
	0	BROMOFORM	ND		ug/L	524.2		0-0		MB	
	0	CHLORODIBROMOMETHANE	ND		ug/L	524.2		0-0		MB	
	0	CHLOROFORM	ND		ug/L	524.2		0-0		MB	
	0	1,1 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	
	0	1,1,1 - TRICHLOROETHANE	ND		ug/L	524.2		0-0		MB	
	0	1,1,2 - TRICHLOROETHANE	ND		ug/L	524.2		0-0		MB	
	0	1,2 - DICHLOROETHANE	ND		ug/L	524.2		0-0		MB	
	0	1,2 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	
	0	1,2,4 - TRICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	
	0	BENZENE	ND		ug/L	524.2		0-0		MB	
	0	CARBON TETRACHLORIDE	ND		ug/L	524.2		0-0		MB	
	0	CIS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	
	0	DICHLOROMETHANE	ND		ug/L	524.2		0-1		MB	
	0	ETHYLBENZENE	ND		ug/L	524.2		0-0		MB	
	0	MONOCHLOROBENZENE	ND		ug/L	524.2		0-0		MB	
	0	O - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
524_240607	0	P - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	
	0	STYRENE	ND		ug/L	524.2		0-0		MB	
	0	TETRACHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	
	0	TOLUENE	ND		ug/L	524.2		0-0		MB	
	0	TRANS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	
	0	TRICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	
	0	VINYL CHLORIDE	ND		ug/L	524.2		0-0		MB	
	1	1,1 - DICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,1 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,2,3 - TRICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,2,3 - TRICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,3 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	2,2 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	BROMOBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	BROMOCHLOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	BROMOMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	CHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	CHLOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	DIBROMOMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	DICHLORODIFLUOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	HEXACHLOROBUTADIENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	ISOPROPYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	M - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	M/P - XYLENE	0.6		ug/L	524.2		0-0	BN	MB	TB 24-15326
	1	METHYL TERT-BUTYL ETHER	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	N - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	N - PROPYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	NAPHTHALENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	O - CHLOROTOLUENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	O - XYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	P - CHLOROTOLUENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	P - ISOPROPYLTOLUENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	SEC - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	TERT - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	TRICHLOROFLUOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	BROMODICHLOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	BROMOFORM	ND		ug/L	524.2		0-0		MB	TB 24-15326

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
524_240607	1	CHLORODIBROMOMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	CHLOROFORM	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,1 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,1,1 - TRICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,1,2 - TRICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,2 - DICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,2 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	BENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	CARBON TETRACHLORIDE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	CIS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	DICHLOROMETHANE	ND		ug/L	524.2		0-1		MB	TB 24-15326
	1	ETHYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	MONOCHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	O - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	P - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	STYRENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	TETRACHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	TOLUENE	1.1		ug/L	524.2		0-0	B	MB	TB 24-15326
	1	TRANS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	TRICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	1	VINYL CHLORIDE	ND		ug/L	524.2		0-0		MB	TB 24-15326
	2	1,1 - DICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,1 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,2,3 - TRICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,2,3 - TRICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,3 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	2,2 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	BROMOBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	BROMOCHLOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	BROMOMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	CHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	CHLOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	DIBROMOMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	DICHLORODIFLUOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	HEXACHLOROBUTADIENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	ISOPROPYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	M - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
524_240607	2	M/P - XYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	METHYL TERT-BUTYL ETHER	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	N - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	N - PROPYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	NAPHTHALENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	O - CHLOROTOLUENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	O - XYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	P - CHLOROTOLUENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	P - ISOPROPYLTOLUENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	SEC - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	TERT - BUTYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	TRICHLOROFLUOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	BROMODICHLOROMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	BROMOFORM	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	CHLORODIBROMOMETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	CHLOROFORM	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,1 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,1,1 - TRICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,1,2 - TRICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,2 - DICHLOROETHANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,2 - DICHLOROPROPANE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	1,2,4 - TRICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	BENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	CARBON TETRACHLORIDE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	CIS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	DICHLOROMETHANE	ND		ug/L	524.2		0-1		MB	TB 24-15595
	2	ETHYLBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	MONOCHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	O - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	P - DICHLOROBENZENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	STYRENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	TETRACHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	TOLUENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	TRANS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	TRICHLOROETHYLENE	ND		ug/L	524.2		0-0		MB	TB 24-15595
	2	VINYL CHLORIDE	ND		ug/L	524.2		0-0		MB	TB 24-15595
525_240605	0	ALACHLOR	ND		ug/L	525.2		0-0		MB	
	0	ALDRIN	ND		ug/L	525.2		0-0		MB	
	0	ATRAZINE	ND		ug/L	525.2		0-0		MB	
	0	BUTACHLOR	ND		ug/L	525.2		0-0		MB	
	0	DI(2-ETHYLHEXYL)-ADIPATE	ND		ug/L	525.2		0-0		MB	
	0	DI(2-ETHYLHEXYL)-PHTHALATE	ND		ug/L	525.2		0-0		MB	

*Notation:
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NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
525_240605	0	DIELDRIN	ND		ug/L	525.2		0-0		MB	
	0	HEPTACHLOR EPOXIDE "B"	ND		ug/L	525.2		0-0		MB	
	0	METOLACHLOR	ND		ug/L	525.2		0-0		MB	
	0	METRIBUZIN	ND		ug/L	525.2		0-0		MB	
	0	PROPACHLOR	ND		ug/L	525.2		0-0		MB	
	0	SIMAZINE	ND		ug/L	525.2		0-0		MB	
531_240613	0	3-HYDROXYCARBOFURAN	ND		ug/L	531.2		0-0		MB	
	0	ALDICARB	ND		ug/L	531.2		0-0		MB	
	0	ALDICARB SULFONE	ND		ug/L	531.2		0-0		MB	
	0	ALDICARB SULFOXIDE	ND		ug/L	531.2		0-0		MB	
	0	CARBARYL	ND		ug/L	531.2		0-0		MB	
	0	CARBOFURAN	ND		ug/L	531.2		0-0		MB	
	0	METHOMYL	ND		ug/L	531.2		0-0		MB	
	0	OXAMYL (VYDATE)	ND		ug/L	531.2		0-0		MB	
547_240611	0	GLYPHOSATE	ND		ug/L	547		0-0		MB	
548_240603	0	ENDOTHALL	ND		ug/L	548.1		0-0		MB	
549_240603	0	DIQUAT	ND		ug/L	549.2		0-0		MB	
Color_240530	0	COLOR	ND		CU	SM2120 B		0-4		MB	
EC_240603R	0	ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		0-10		MB	
TDS_240531	0	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
	1	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
Turb_240530	0	TURBIDITY	ND		NTU	180.1		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
524_240607	0	1,1 - DICHLOROETHANE	0.41	0.4	ug/L	524.2	103	25-175		MDL	
	0	1,1 - DICHLOROPROPENE	0.25	0.4	ug/L	524.2	63	25-175		MDL	
	0	1,1,1,2 - TETRACHLOROETHANE	0.37	0.4	ug/L	524.2	93	25-175		MDL	
	0	1,1,2,2 - TETRACHLOROETHANE	0.34	0.4	ug/L	524.2	85	25-175		MDL	
	0	1,2,3 - TRICHLOROBENZENE	0.29	0.4	ug/L	524.2	73	25-175		MDL	
	0	1,2,3 - TRICHLOROPROPANE	0.51	0.4	ug/L	524.2	128	25-175		MDL	
	0	1,2,4 - TRIMETHYLBENZENE	0.31	0.4	ug/L	524.2	78	25-175		MDL	
	0	1,3 - DICHLOROPROPANE	0.41	0.4	ug/L	524.2	103	25-175		MDL	
	0	1,3,5 - TRIMETHYLBENZENE	0.31	0.4	ug/L	524.2	78	25-175		MDL	
	0	2,2 - DICHLOROPROPANE	0.35	0.4	ug/L	524.2	88	25-175		MDL	
	0	BROMOBENZENE	0.52	0.4	ug/L	524.2	130	25-175		MDL	
	0	BROMOCHLOROMETHANE	0.42	0.4	ug/L	524.2	105	25-175		MDL	
	0	BROMOMETHANE	0.36	0.4	ug/L	524.2	90	25-175		MDL	
	0	CHLOROETHANE	0.46	0.4	ug/L	524.2	115	25-175		MDL	
	0	CHLOROMETHANE	0.41	0.4	ug/L	524.2	103	25-175		MDL	
	0	CIS - 1,3 - DICHLOROPROPENE	0.33	0.4	ug/L	524.2	83	25-175		MDL	
	0	DIBROMOMETHANE	0.42	0.4	ug/L	524.2	105	25-175		MDL	
	0	DICHLORODIFLUOROMETHANE	0.33	0.4	ug/L	524.2	83	25-175		MDL	
	0	HEXACHLOROBUTADIENE	0.26	0.4	ug/L	524.2	65	25-175		MDL	
	0	ISOPROPYLBENZENE	0.31	0.4	ug/L	524.2	78	25-175		MDL	
	0	M - DICHLOROBENZENE	0.45	0.4	ug/L	524.2	113	25-175		MDL	
	0	M/P - XYLENE	0.72	0.8	ug/L	524.2	90	25-175		MDL	
	0	METHYL TERT-BUTYL ETHER	0.39	0.4	ug/L	524.2	98	25-175		MDL	
	0	N - BUTYLBENZENE	0.28	0.4	ug/L	524.2	70	25-175		MDL	
	0	N - PROPYLBENZENE	0.30	0.4	ug/L	524.2	75	25-175		MDL	
	0	NAPHTHALENE	0.26	0.4	ug/L	524.2	65	25-175		MDL	
	0	O - CHLOROTOLUENE	0.36	0.4	ug/L	524.2	90	25-175		MDL	
	0	O - XYLENE	0.35	0.4	ug/L	524.2	88	25-175		MDL	
	0	P - CHLOROTOLUENE	0.40	0.4	ug/L	524.2	100	25-175		MDL	
	0	P - ISOPROPYLTOLUENE	0.30	0.4	ug/L	524.2	75	25-175		MDL	
	0	SEC - BUTYLBENZENE	0.30	0.4	ug/L	524.2	75	25-175		MDL	
	0	TERT - BUTYLBENZENE	0.28	0.4	ug/L	524.2	70	25-175		MDL	
	0	TRANS- 1,3 - DICHLOROPROPENE	0.27	0.4	ug/L	524.2	68	25-175		MDL	
	0	TRICHLOROFLUOROMETHANE	0.29	0.4	ug/L	524.2	73	25-175		MDL	
	0	BROMODICHLOROMETHANE	0.40	0.4	ug/L	524.2	100	25-175		MDL	
	0	BROMOFORM	0.41	0.4	ug/L	524.2	103	25-175		MDL	
	0	CHLORODIBROMOMETHANE	0.37	0.4	ug/L	524.2	93	25-175		MDL	
	0	CHLOROFORM	0.39	0.4	ug/L	524.2	98	25-175		MDL	
	0	1,1 - DICHLOROETHYLENE	0.33	0.4	ug/L	524.2	83	25-175		MDL	
	0	1,1,1 - TRICHLOROETHANE	0.33	0.4	ug/L	524.2	83	25-175		MDL	
	0	1,1,2 - TRICHLOROETHANE	0.40	0.4	ug/L	524.2	100	25-175		MDL	
	0	1,2 - DICHLOROETHANE	0.41	0.4	ug/L	524.2	103	25-175		MDL	
	0	1,2 - DICHLOROPROPANE	0.41	0.4	ug/L	524.2	103	25-175		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
524_240607	0	1,2,4 - TRICHLOROBENZENE	0.28	0.4	ug/L	524.2	70	25-175		MDL	
	0	BENZENE	0.36	0.4	ug/L	524.2	90	25-175		MDL	
	0	CARBON TETRACHLORIDE	0.25	0.4	ug/L	524.2	63	25-175		MDL	
	0	CIS - 1,2 - DICHLOROETHYLENE	0.38	0.4	ug/L	524.2	95	25-175		MDL	
	0	DICHLOROMETHANE	0.48	0.4	ug/L	524.2	120	25-175		MDL	
	0	ETHYLBENZENE	0.36	0.4	ug/L	524.2	90	25-175		MDL	
	0	MONOCHLOROBENZENE	0.46	0.4	ug/L	524.2	115	25-175		MDL	
	0	O - DICHLOROBENZENE	0.45	0.4	ug/L	524.2	113	25-175		MDL	
	0	P - DICHLOROBENZENE	0.45	0.4	ug/L	524.2	113	25-175		MDL	
	0	STYRENE	0.40	0.4	ug/L	524.2	100	25-175		MDL	
	0	TETRACHLOROETHYLENE	0.34	0.4	ug/L	524.2	85	25-175		MDL	
	0	TOLUENE	0.36	0.4	ug/L	524.2	90	25-175		MDL	
	0	TRANS - 1,2 - DICHLOROETHYLENE	0.35	0.4	ug/L	524.2	88	25-175		MDL	
	0	TRICHLOROETHYLENE	0.38	0.4	ug/L	524.2	95	25-175		MDL	
	0	VINYL CHLORIDE	0.35	0.4	ug/L	524.2	88	25-175		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
1677_240604	0	CYANIDE	0.098	0.100	mg/L	OIA-1677-DW	98	90-110		QCS	
200.7_240604A5	0	ALUMINUM	2	2	mg/L	200.7	100	95-105		QCS	
	0	IRON	1.97	2	mg/L	200.7	99	95-105		QCS	
	1	HARDNESS	128	132.3	mg/L	200.7	97	95-105		QCS	
	1	CALCIUM	20.1	20	mg/L	200.7	101	95-105		QCS	
	1	MAGNESIUM	19	20	mg/L	200.7	95	95-105		QCS	
	1	POTASSIUM	19.4	20	mg/L	200.7	97	95-105		QCS	
	1	SODIUM	20	20	mg/L	200.7	100	95-105		QCS	
200.7_240607C4	0	BORON	1.94	2	mg/L	200.7	97	95-105		QCS	
200.8_240607A4	0	URANIUM	0.0565	0.0519	mg/L	200.8	109	90-110		QCS	
	0	COPPER	0.0398	0.04	mg/L	200.8	100	90-110		QCS	
	0	MANGANESE	0.039	0.04	mg/L	200.8	98	90-110		QCS	
	0	SILVER	0.041	0.04	mg/L	200.8	103	90-110		QCS	
	0	ZINC	0.0394	0.04	mg/L	200.8	99	90-110		QCS	
	0	ANTIMONY	0.038	0.04	mg/L	200.8	95	90-110		QCS	
	0	ARSENIC	0.0391	0.04	mg/L	200.8	98	90-110		QCS	
	0	BARIUM	0.0395	0.04	mg/L	200.8	99	90-110		QCS	
	0	CADMIUM	0.04	0.04	mg/L	200.8	100	90-110		QCS	
	0	CHROMIUM	0.0404	0.04	mg/L	200.8	101	90-110		QCS	
	0	LEAD	0.0401	0.04	mg/L	200.8	100	90-110		QCS	
	0	NICKEL	0.0401	0.04	mg/L	200.8	100	90-110		QCS	
	0	SELENIUM	0.0388	0.04	mg/L	200.8	97	90-110		QCS	
	0	THALLIUM	0.0384	0.04	mg/L	200.8	96	90-110		QCS	
200.8_240611A4	0	BERYLLIUM	0.0396	0.04	mg/L	200.8	99	90-110		QCS	
245.1_240618	0	MERCURY	0.00246	0.00254	mg/L	245.1	97	90-110		QCS	
300.1_240610A	0	BROMIDE	0.102	0.1	mg/L	300.1	102	85-115		QCS	
504_240605	0	1,2 - DIBROMOETHANE (EDB)	0.85	1.04	ug/L	504.1	82	70-130		QCS	
	0	1,2,3 - TRICHLOROPROPANE	1.53	1.92	ug/L	504.1	80	70-130		QCS	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.94	1.17	ug/L	504.1	80	70-130		QCS	
531_240613	1	3-HYDROXYCARBOFURAN	46.3	58.5	ug/L	531.2	79	70-130		QCS	
	1	ALDICARB	46.4	55.4	ug/L	531.2	84	70-130		QCS	
	1	ALDICARB SULFONE	57.1	69.4	ug/L	531.2	82	70-130		QCS	
	1	ALDICARB SULFOXIDE	54.5	65.7	ug/L	531.2	83	70-130		QCS	
	1	CARBARYL	48.3	62.1	ug/L	531.2	78	70-130		QCS	
	1	CARBOFURAN	52.3	63.3	ug/L	531.2	83	70-130		QCS	
	1	METHOMYL	26.0	30.3	ug/L	531.2	86	70-130		QCS	
	1	OXAMYL (VYDATE)	52.6	63.2	ug/L	531.2	83	70-130		QCS	
ALK_240604	0	ALKALINITY	101.4	100	mg CaCO3/L	SM2320 B	101	90-110		QCS	
Color_240530	0	COLOR	10	10	CU	SM2120 B	100	90-110		QCS	
EC_240603R	0	ELECTRICAL CONDUCTIVITY	105	100	uS/cm	SM2510 B	105	90-110		QCS	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-15398**
Report Date: 06/30/24

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
IC06_240530A	0	CHLORIDE	6.0	6	mg/L	300.0	100	90-110		QCS	
	0	SULFATE	29.0	30	mg/L	300.0	97	90-110		QCS	
	0	FLUORIDE	3.90	4	mg/L	300.0	98	90-110		QCS	
	0	NITRATE-N	6.02	6	mg/L	300.0	100	90-110		QCS	
	0	NITRITE-N	6.12	6	mg/L	300.0	102	90-110		QCS	
	0	TOTAL NITRATE+NITRITE as N	12.14	12	mg/L	300.0	101	90-110		QCS	
TDS_240531	0	TOTAL DISSOLVED SOLIDS (TDS)	486	500	mg/L	SM2540 C	97	80-120		QCS	
	0	TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	80-120		QCS	
Turb_240530	0	TURBIDITY	1.05	1	NTU	180.1	105	90-110		QCS	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
150.1_240530									
E-10139	29023	HYDROGEN ION (pH)	7.78	7.79	pH Units	**0.1**	0-50		
1677_240604									
57-12-5	27950	CYANIDE	ND	ND	mg/L	**NA**	0-20		
57-12-5	28174	CYANIDE	ND	ND	mg/L	**NA**	0-20		
57-12-5	29025	CYANIDE	ND	ND	mg/L	**NA**	0-20		
57-12-5	29475	CYANIDE	ND	ND	mg/L	**NA**	0-20		
200.7_240604A5									
7429-90-5	27512	ALUMINUM	ND	ND	mg/L	**NA**	0-20		
7440-70-2	27512	CALCIUM	4.5	4.5	mg/L	**0.0**	0-20		
E-11778	27512	HARDNESS	21.1	21.1	mg/L	**0.0**	0-20		
7439-89-6	27512	IRON	ND	ND	mg/L	**NA**	0-20		
7439-95-4	27512	MAGNESIUM	2.4	2.4	mg/L	**0.0**	0-20		
7440-09-7	27512	POTASSIUM	1.5	1.4	mg/L	**6.9**	0-20		
7440-23-5	27512	SODIUM	1.6	1.6	mg/L	**0.0**	0-20		
E-11778	27961	HARDNESS	178	180	mg CaCO3/L	**1.1**	0-20		
7429-90-5	27961	ALUMINUM	ND	ND	mg/L	**NA**	0-20		
7440-70-2	27961	CALCIUM	44.1	44.7	mg/L	**1.4**	0-20		
7439-89-6	27961	IRON	ND	ND	mg/L	**NA**	0-20		
7439-95-4	27961	MAGNESIUM	16.4	16.6	mg/L	**1.2**	0-20		
7440-09-7	27961	POTASSIUM	1.6	1.6	mg/L	**0.0**	0-20		
7440-23-5	27961	SODIUM	9.0	9.0	mg/L	**0.0**	0-20		
7439-89-6	28527	IRON	3.04	3.02	mg/L	**0.7**	0-20		
E-11778	28694	HARDNESS	ND	ND	mg/L	**NA**	0-20		
7439-89-6	28694	IRON	ND	ND	mg/L	**NA**	0-20		
E-11778	28779	HARDNESS	ND	ND	mg/L	**NA**	0-20		
7439-89-6	28779	IRON	0.12	0.12	mg/L	**0.0**	0-20		
E-11778	28806	HARDNESS	82.1	81.8	mg/L	**0.4**	0-20		
7439-89-6	28806	IRON	0.25	0.25	mg/L	**0.0**	0-20		
7440-23-5	28806	SODIUM	9.2	9.2	mg/L	**0.0**	0-20		
E-11778	29053	HARDNESS	86.4	86.4	mg CaCO3/L	**0.0**	0-20		
7429-90-5	29053	ALUMINUM	ND	ND	mg/L	**NA**	0-20		
7440-70-2	29053	CALCIUM	19.6	19.6	mg/L	**0.0**	0-20		
7439-89-6	29053	IRON	ND	ND	mg/L	**NA**	0-20		
7439-95-4	29053	MAGNESIUM	9.1	9.1	mg/L	**0.0**	0-20		
7440-09-7	29053	POTASSIUM	ND	ND	mg/L	**NA**	0-20		
7440-23-5	29053	SODIUM	ND	ND	mg/L	**NA**	0-20		
7439-89-6	29138	IRON	ND	ND	mg/L	**NA**	0-20		
7439-89-6	29164	IRON	ND	ND	mg/L	**NA**	0-20		
7439-89-6	29318	IRON	0.43	0.44	mg/L	**2.3**	0-20		
7440-23-5	29318	SODIUM	15.1	15.2	mg/L	**0.7**	0-20		
7439-89-6	29350	IRON	ND	ND	mg/L	**NA**	0-20		
200.7_240607C4									
7440-42-8	27958	BORON	ND	ND	mg/L	**NA**	0-20		
7440-42-8	28100	BORON	0.05	0.05	mg/L	**0.0**	0-20		
7440-42-8	28678	BORON	ND	ND	mg/L	**NA**	0-20		
7440-42-8	30378	BORON	ND	ND	mg/L	**NA**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.8_240607A4									
7440-36-0	27951	ANTIMONY	ND	ND	mg/L	**NA**	0-20		
7440-38-2	27951	ARSENIC	ND	ND	mg/L	**NA**	0-20		
7440-39-3	27951	BARIUM	ND	ND	mg/L	**NA**	0-20		
7440-43-9	27951	CADMIUM	ND	ND	mg/L	**NA**	0-20		
7440-47-3	27951	CHROMIUM	ND	ND	mg/L	**NA**	0-20		
7440-50-8	27951	COPPER	ND	ND	mg/L	**NA**	0-20		
7439-92-1	27951	LEAD	ND	ND	mg/L	**NA**	0-20		
7439-96-5	27951	MANGANESE	ND	ND	mg/L	**NA**	0-20		
7440-02-0	27951	NICKEL	ND	ND	mg/L	**NA**	0-20		
7782-49-2	27951	SELENIUM	ND	ND	mg/L	**NA**	0-20		
7440-22-4	27951	SILVER	ND	ND	mg/L	**NA**	0-20		
7440-28-0	27951	THALLIUM	ND	ND	mg/L	**NA**	0-20		
7440-61-1	27951	URANIUM	ND	ND	mg/L	**NA**	0-20		
7440-66-6	27951	ZINC	ND	ND	mg/L	**NA**	0-20		
7440-36-0	28284	ANTIMONY	ND	ND	mg/L	**NA**	0-20		
7440-38-2	28284	ARSENIC	ND	ND	mg/L	**NA**	0-20		
7440-39-3	28284	BARIUM	0.0176	0.0173	mg/L	**1.7**	0-20		
7440-43-9	28284	CADMIUM	ND	ND	mg/L	**NA**	0-20		
7440-47-3	28284	CHROMIUM	ND	ND	mg/L	**NA**	0-20		
7440-50-8	28284	COPPER	ND	ND	mg/L	**NA**	0-20		
7439-92-1	28284	LEAD	ND	ND	mg/L	**NA**	0-20		
7439-96-5	28284	MANGANESE	0.0120	0.0113	mg/L	**6.0**	0-20		
7440-02-0	28284	NICKEL	ND	ND	mg/L	**NA**	0-20		
7782-49-2	28284	SELENIUM	ND	ND	mg/L	**NA**	0-20		
7440-22-4	28284	SILVER	ND	ND	mg/L	**NA**	0-20		
7440-28-0	28284	THALLIUM	ND	ND	mg/L	**NA**	0-20		
7440-61-1	28284	URANIUM	ND	ND	mg/L	**NA**	0-20		
7440-66-6	28284	ZINC	0.0050	0.0052	mg/L	**3.9**	0-20		
7440-36-0	28557	ANTIMONY	ND	ND	mg/L	**NA**	0-20		
7440-38-2	28557	ARSENIC	ND	ND	mg/L	**NA**	0-20		
7440-39-3	28557	BARIUM	ND	ND	mg/L	**NA**	0-20		
7440-43-9	28557	CADMIUM	ND	ND	mg/L	**NA**	0-20		
7440-47-3	28557	CHROMIUM	ND	ND	mg/L	**NA**	0-20		
7440-50-8	28557	COPPER	ND	ND	mg/L	**NA**	0-20		
7439-92-1	28557	LEAD	ND	ND	mg/L	**NA**	0-20		
7439-96-5	28557	MANGANESE	ND	ND	mg/L	**NA**	0-20		
7440-02-0	28557	NICKEL	ND	ND	mg/L	**NA**	0-20		
7782-49-2	28557	SELENIUM	ND	ND	mg/L	**NA**	0-20		
7440-22-4	28557	SILVER	ND	ND	mg/L	**NA**	0-20		
7440-28-0	28557	THALLIUM	ND	ND	mg/L	**NA**	0-20		
7440-66-6	28557	ZINC	ND	ND	mg/L	**NA**	0-20		
7440-50-8	28680	COPPER	7.5	7.2	ug/L	**4.1**	0-20		
7440-66-6	28680	ZINC	20.7	20.5	ug/L	**1.0**	0-20		
7440-36-0	28775	ANTIMONY	ND	ND	mg/L	**NA**	0-20		
7440-38-2	28775	ARSENIC	0.0018	0.0018	mg/L	**0.0**	0-20		
7440-39-3	28775	BARIUM	0.0038	0.0037	mg/L	**2.7**	0-20		
7440-43-9	28775	CADMIUM	ND	ND	mg/L	**NA**	0-20		

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ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
7440-47-3	28775	CHROMIUM	ND	ND	mg/L	**NA**	0-20		
7440-50-8	28775	COPPER	ND	ND	mg/L	**NA**	0-20		
7439-92-1	28775	LEAD	ND	ND	mg/L	**NA**	0-20		
7439-96-5	28775	MANGANESE	0.0030	0.0024	mg/L	**22.2**	0-20	IM	
7440-02-0	28775	NICKEL	ND	ND	mg/L	**NA**	0-20		
7782-49-2	28775	SELENIUM	ND	ND	mg/L	**NA**	0-20		
7440-22-4	28775	SILVER	ND	ND	mg/L	**NA**	0-20		
7440-28-0	28775	THALLIUM	ND	ND	mg/L	**NA**	0-20		
7440-61-1	28775	URANIUM	ND	ND	mg/L	**NA**	0-20		
7440-66-6	28775	ZINC	0.223	0.223	mg/L	**0.0**	0-20		
7440-38-2	29373	ARSENIC	ND	ND	mg/L	**NA**	0-20		
7440-39-3	29373	BARIUM	0.0033	0.0033	mg/L	**0.0**	0-20		
7440-43-9	29373	CADMIUM	ND	ND	mg/L	**NA**	0-20		
7440-47-3	29373	CHROMIUM	ND	ND	mg/L	**NA**	0-20		
7439-92-1	29373	LEAD	ND	ND	mg/L	**NA**	0-20		
7782-49-2	29373	SELENIUM	ND	ND	mg/L	**NA**	0-20		
7440-22-4	29373	SILVER	ND	ND	mg/L	**NA**	0-20		
7440-36-0	29374	ANTIMONY	ND	ND	mg/L	**NA**	0-20		
7440-38-2	29374	ARSENIC	0.0057	0.0056	mg/L	**1.8**	0-20		
7440-39-3	29374	BARIUM	ND	ND	mg/L	**NA**	0-20		
7440-43-9	29374	CADMIUM	ND	ND	mg/L	**NA**	0-20		
7440-47-3	29374	CHROMIUM	ND	ND	mg/L	**NA**	0-20		
7440-50-8	29374	COPPER	0.005	0.005	mg/L	**0.0**	0-20		
7439-92-1	29374	LEAD	ND	ND	mg/L	**NA**	0-20		
7439-96-5	29374	MANGANESE	ND	ND	mg/L	**NA**	0-20		
7440-02-0	29374	NICKEL	ND	ND	mg/L	**NA**	0-20		
7782-49-2	29374	SELENIUM	ND	ND	mg/L	**NA**	0-20		
7440-22-4	29374	SILVER	ND	ND	mg/L	**NA**	0-20		
7440-28-0	29374	THALLIUM	ND	ND	mg/L	**NA**	0-20		
7440-61-1	29374	URANIUM	0.0010	0.0010	mg/L	**0.0**	0-20		
7440-66-6	29374	ZINC	0.0064	0.0063	mg/L	**1.6**	0-20		
7440-38-2	29490	ARSENIC	ND	ND	mg/L	**NA**	0-20		
7440-39-3	29490	BARIUM	0.0496	0.0501	mg/L	**1.0**	0-20		
7440-43-9	29490	CADMIUM	ND	ND	mg/L	**NA**	0-20		
7440-47-3	29490	CHROMIUM	ND	ND	mg/L	**NA**	0-20		
7439-92-1	29490	LEAD	ND	ND	mg/L	**NA**	0-20		
7782-49-2	29490	SELENIUM	ND	ND	mg/L	**NA**	0-20		
7440-22-4	29490	SILVER	ND	ND	mg/L	**NA**	0-20		
7440-38-2	29801	ARSENIC	0.0161	0.0161	mg/L	**0.0**	0-20		
7440-38-2	29877	ARSENIC	ND	ND	mg/L	**NA**	0-20		
7440-38-2	30386	ARSENIC	ND	ND	mg/L	**NA**	0-20		
7440-38-2	30560	ARSENIC	ND	ND	mg/L	**NA**	0-20		
200.8_240611A4									
7440-41-7	27958	BERYLLIUM	ND	ND	mg/L	**NA**	0-20		
300.1_240610A									
24959-67-9	2543	BROMIDE	0.0195	0.0209	mg/L	**6.9**	0-20		
524_240607									

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Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result		Units	%RPD	Limits	QC Qualifier	Comments
75-34-3	28974	1,1 - DICHLOROETHANE	ND	ND		ug/L	**NA**	0-30		
75-35-4	28974	1,1 - DICHLOROETHYLENE	ND	ND		ug/L	**NA**	0-30		
563-58-6	28974	1,1 - DICHLOROPROPENE	ND	ND		ug/L	**NA**	0-30		
71-55-6	28974	1,1,1 - TRICHLOROETHANE	ND	ND		ug/L	**NA**	0-30		
630-20-6	28974	1,1,1,2 - TETRACHLOROETHANE	ND	ND		ug/L	**NA**	0-30		
79-00-5	28974	1,1,2 - TRICHLOROETHANE	ND	ND		ug/L	**NA**	0-30		
79-34-5	28974	1,1,2,2 - TETRACHLOROETHANE	ND	ND		ug/L	**NA**	0-30		
107-06-2	28974	1,2 - DICHLOROETHANE	ND	ND		ug/L	**NA**	0-30		
78-87-5	28974	1,2 - DICHLOROPROPANE	ND	ND		ug/L	**NA**	0-30		
87-61-6	28974	1,2,3 - TRICHLOROBENZENE	ND	ND		ug/L	**NA**	0-30		
96-18-4	28974	1,2,3 - TRICHLOROPROPANE	ND	ND		ug/L	**NA**	0-30		
120-82-1	28974	1,2,4 - TRICHLOROBENZENE	ND	ND		ug/L	**NA**	0-30		
95-63-6	28974	1,2,4 - TRIMETHYLBENZENE	ND	ND		ug/L	**NA**	0-30		
142-28-9	28974	1,3 - DICHLOROPROPANE	ND	ND		ug/L	**NA**	0-30		
108-67-8	28974	1,3,5 - TRIMETHYLBENZENE	ND	ND		ug/L	**NA**	0-30		
542-75-6	28974	1,3-DICHLOROPROPYLENE, TOTAL	ND	ND		ug/L	**NA**	0-30		
594-20-7	28974	2,2 - DICHLOROPROPANE	ND	ND		ug/L	**NA**	0-30		
71-43-2	28974	BENZENE	ND	ND		ug/L	**NA**	0-30		
108-86-1	28974	BROMOBENZENE	ND	ND		ug/L	**NA**	0-30		
74-97-5	28974	BROMOCHLOROMETHANE	ND	ND		ug/L	**NA**	0-30		
75-27-4	28974	BROMODICHLOROMETHANE	1.7	1.8		ug/L	**5.7**	0-30		
75-25-2	28974	BROMOFORM	ND	ND		ug/L	**NA**	0-30		
74-83-9	28974	BROMOMETHANE	ND	ND		ug/L	**NA**	0-30		
56-23-5	28974	CARBON TETRACHLORIDE	ND	ND		ug/L	**NA**	0-30		
124-48-1	28974	CHLORODIBROMOMETHANE	0.5	0.4	JJ	ug/L	**22.2**	0-30		
75-00-3	28974	CHLOROETHANE	ND	ND		ug/L	**NA**	0-30		
67-66-3	28974	CHLOROFORM	41.3	41.5		ug/L	**0.5**	0-30		
74-87-3	28974	CHLOROMETHANE	ND	ND		ug/L	**NA**	0-30		
156-59-2	28974	CIS - 1,2 - DICHLOROETHYLENE	ND	ND		ug/L	**NA**	0-30		
10061-01-5	28974	CIS - 1,3 - DICHLOROPROPENE	ND	ND		ug/L	**NA**	0-30		
74-95-3	28974	DIBROMOMETHANE	ND	ND		ug/L	**NA**	0-30		
75-71-8	28974	DICHLORODIFLUOROMETHANE	ND	ND		ug/L	**NA**	0-30		
75-09-2	28974	DICHLOROMETHANE	ND	ND		ug/L	**NA**	0-30		
100-41-4	28974	ETHYLBENZENE	ND	ND		ug/L	**NA**	0-30		
87-68-3	28974	HEXACHLOROBUTADIENE	ND	ND		ug/L	**NA**	0-30		
98-82-8	28974	ISOPROPYLBENZENE	ND	ND		ug/L	**NA**	0-30		
541-73-1	28974	M - DICHLOROBENZENE	ND	ND		ug/L	**NA**	0-30		
179601-23-1	28974	M/P - XYLENE	ND	ND		ug/L	**NA**	0-30		
1634-04-4	28974	METHYL TERT-BUTYL ETHER	ND	ND		ug/L	**NA**	0-30		
108-90-7	28974	MONOCHLOROBENZENE	ND	ND		ug/L	**NA**	0-30		
104-51-8	28974	N - BUTYLBENZENE	ND	ND		ug/L	**NA**	0-30		
103-65-1	28974	N - PROPYLBENZENE	ND	ND		ug/L	**NA**	0-30		
91-20-3	28974	NAPHTHALENE	ND	ND		ug/L	**NA**	0-30		
95-49-8	28974	O - CHLOROTOLUENE	ND	ND		ug/L	**NA**	0-30		
95-50-1	28974	O - DICHLOROBENZENE	ND	ND		ug/L	**NA**	0-30		
95-47-6	28974	O - XYLENE	ND	ND		ug/L	**NA**	0-30		
106-43-4	28974	P - CHLOROTOLUENE	ND	ND		ug/L	**NA**	0-30		
106-46-7	28974	P - DICHLOROBENZENE	ND	ND		ug/L	**NA**	0-30		

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Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Duplicate

Batch/CAS	Sample	Analyte	Result		Duplicate Result		Units	%RPD	Limits	QC Qualifier	Comments
99-87-6	28974	P - ISOPROPYLTOLUENE	ND		ND		ug/L	**NA**	0-30		
135-98-8	28974	SEC - BUTYLBENZENE	ND		ND		ug/L	**NA**	0-30		
100-42-5	28974	STYRENE	ND		ND		ug/L	**NA**	0-30		
98-06-6	28974	TERT - BUTYLBENZENE	ND		ND		ug/L	**NA**	0-30		
127-18-4	28974	TETRACHLOROETHYLENE	ND		ND		ug/L	**NA**	0-30		
108-88-3	28974	TOLUENE	1.2	B	1.1	B	ug/L	**8.7**	0-30		
E-14471	28974	TOTAL TRIHALOMETHANE	43.5		43.7		ug/L	**0.5**	0-30		
156-60-5	28974	TRANS - 1,2 - DICHLOROETHYLENE	ND		ND		ug/L	**NA**	0-30		
10061-02-6	28974	TRANS- 1,3 - DICHLOROPROPENE	ND		ND		ug/L	**NA**	0-30		
79-01-6	28974	TRICHLOROETHYLENE	ND		ND		ug/L	**NA**	0-30		
75-69-4	28974	TRICHLOROFLUOROMETHANE	ND		ND		ug/L	**NA**	0-30		
75-01-4	28974	VINYL CHLORIDE	ND		ND		ug/L	**NA**	0-30		
1330-20-7	28974	XYLENES (TOTAL)	ND		ND		ug/L	**NA**	0-30		
75-34-3	29361	1,1 - DICHLOROETHANE	ND		ND		ug/L	**NA**	0-30		
75-35-4	29361	1,1 - DICHLOROETHYLENE	ND		ND		ug/L	**NA**	0-30		
563-58-6	29361	1,1 - DICHLOROPROPENE	ND		ND		ug/L	**NA**	0-30		
71-55-6	29361	1,1,1 - TRICHLOROETHANE	ND		ND		ug/L	**NA**	0-30		
630-20-6	29361	1,1,1,2 - TETRACHLOROETHANE	ND		ND		ug/L	**NA**	0-30		
79-00-5	29361	1,1,2 - TRICHLOROETHANE	ND		ND		ug/L	**NA**	0-30		
79-34-5	29361	1,1,2,2 - TETRACHLOROETHANE	ND		ND		ug/L	**NA**	0-30		
107-06-2	29361	1,2 - DICHLOROETHANE	ND		ND		ug/L	**NA**	0-30		
78-87-5	29361	1,2 - DICHLOROPROPANE	ND		ND		ug/L	**NA**	0-30		
87-61-6	29361	1,2,3 - TRICHLOROBENZENE	ND		ND		ug/L	**NA**	0-30		
96-18-4	29361	1,2,3 - TRICHLOROPROPANE	ND		ND		ug/L	**NA**	0-30		
120-82-1	29361	1,2,4 - TRICHLOROBENZENE	ND		ND		ug/L	**NA**	0-30		
95-63-6	29361	1,2,4 - TRIMETHYLBENZENE	ND		ND		ug/L	**NA**	0-30		
142-28-9	29361	1,3 - DICHLOROPROPANE	ND		ND		ug/L	**NA**	0-30		
108-67-8	29361	1,3,5 - TRIMETHYLBENZENE	ND		ND		ug/L	**NA**	0-30		
542-75-6	29361	1,3-DICHLOROPROPYLENE, TOTAL	ND		ND		ug/L	**NA**	0-30		
594-20-7	29361	2,2 - DICHLOROPROPANE	ND		ND		ug/L	**NA**	0-30		
71-43-2	29361	BENZENE	ND		ND		ug/L	**NA**	0-30		
108-86-1	29361	BROMOBENZENE	ND		ND		ug/L	**NA**	0-30		
74-97-5	29361	BROMOCHLOROMETHANE	ND		ND		ug/L	**NA**	0-30		
75-27-4	29361	BROMODICHLOROMETHANE	ND		ND		ug/L	**NA**	0-30		
75-25-2	29361	BROMOFORM	ND		ND		ug/L	**NA**	0-30		
74-83-9	29361	BROMOMETHANE	ND		ND		ug/L	**NA**	0-30		
56-23-5	29361	CARBON TETRACHLORIDE	ND		ND		ug/L	**NA**	0-30		
124-48-1	29361	CHLORODIBROMOMETHANE	ND		ND		ug/L	**NA**	0-30		
75-00-3	29361	CHLOROETHANE	ND		ND		ug/L	**NA**	0-30		
67-66-3	29361	CHLOROFORM	ND		ND		ug/L	**NA**	0-30		
74-87-3	29361	CHLOROMETHANE	ND		ND		ug/L	**NA**	0-30		
156-59-2	29361	CIS - 1,2 - DICHLOROETHYLENE	ND		ND		ug/L	**NA**	0-30		
10061-01-5	29361	CIS - 1,3 - DICHLOROPROPENE	ND		ND		ug/L	**NA**	0-30		
74-95-3	29361	DIBROMOMETHANE	ND		ND		ug/L	**NA**	0-30		
75-71-8	29361	DICHLORODIFLUOROMETHANE	ND		ND		ug/L	**NA**	0-30		
75-09-2	29361	DICHLOROMETHANE	ND		ND		ug/L	**NA**	0-30		
100-41-4	29361	ETHYLBENZENE	ND		ND		ug/L	**NA**	0-30		

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Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
87-68-3	29361	HEXACHLOROBUTADIENE	ND	ND	ug/L	**NA**	0-30		
98-82-8	29361	ISOPROPYLBENZENE	ND	ND	ug/L	**NA**	0-30		
541-73-1	29361	M - DICHLOROBENZENE	ND	ND	ug/L	**NA**	0-30		
179601-23-1	29361	M/P - XYLENE	ND	ND	ug/L	**NA**	0-30		
1634-04-4	29361	METHYL TERT-BUTYL ETHER	ND	ND	ug/L	**NA**	0-30		
108-90-7	29361	MONOCHLOROBENZENE	ND	ND	ug/L	**NA**	0-30		
104-51-8	29361	N - BUTYLBENZENE	ND	ND	ug/L	**NA**	0-30		
103-65-1	29361	N - PROPYLBENZENE	ND	ND	ug/L	**NA**	0-30		
91-20-3	29361	NAPHTHALENE	ND	ND	ug/L	**NA**	0-30		
95-49-8	29361	O - CHLOROTOLUENE	ND	ND	ug/L	**NA**	0-30		
95-50-1	29361	O - DICHLOROBENZENE	ND	ND	ug/L	**NA**	0-30		
95-47-6	29361	O - XYLENE	ND	ND	ug/L	**NA**	0-30		
106-43-4	29361	P - CHLOROTOLUENE	ND	ND	ug/L	**NA**	0-30		
106-46-7	29361	P - DICHLOROBENZENE	ND	ND	ug/L	**NA**	0-30		
99-87-6	29361	P - ISOPROPYLTOLUENE	ND	ND	ug/L	**NA**	0-30		
135-98-8	29361	SEC - BUTYLBENZENE	ND	ND	ug/L	**NA**	0-30		
100-42-5	29361	STYRENE	ND	ND	ug/L	**NA**	0-30		
98-06-6	29361	TERT - BUTYLBENZENE	ND	ND	ug/L	**NA**	0-30		
127-18-4	29361	TETRACHLOROETHYLENE	ND	ND	ug/L	**NA**	0-30		
108-88-3	29361	TOLUENE	1.5	1.5	ug/L	**0.0**	0-30		
E-14471	29361	TOTAL TRIHALOMETHANE	ND	ND	ug/L	**NA**	0-30		
156-60-5	29361	TRANS - 1,2 - DICHLOROETHYLENE	ND	ND	ug/L	**NA**	0-30		
10061-02-6	29361	TRANS- 1,3 - DICHLOROPROPENE	ND	ND	ug/L	**NA**	0-30		
79-01-6	29361	TRICHLOROETHYLENE	ND	ND	ug/L	**NA**	0-30		
75-69-4	29361	TRICHLOROFLUOROMETHANE	ND	ND	ug/L	**NA**	0-30		
75-01-4	29361	VINYL CHLORIDE	ND	ND	ug/L	**NA**	0-30		
1330-20-7	29361	XYLENES (TOTAL)	ND	ND	ug/L	**NA**	0-30		
ALK_240604									
E-14506	28663	ALKALINITY	281	279	mg CaCO3/L	**0.7**	0-20		
COLOR_240530									
E-11712	29053	COLOR	ND	ND	COLOR	**NA**	0-20		
EC_240603R									
E-10184	28491	ELECTRICAL CONDUCTIVITY	788	790	uS/cm	**0.3**	0-20		
E-10184	29025	ELECTRICAL CONDUCTIVITY	22.4	22.5	uS/cm	**0.4**	0-20		
E-10184	29264	ELECTRICAL CONDUCTIVITY	278	279	uS/cm	**0.4**	0-20		
E-10184	29477	ELECTRICAL CONDUCTIVITY	224	224	uS/cm	**0.0**	0-20		
IC06_240530A									
16887-00-6	28678	CHLORIDE	2.2	2.2	mg/L	**0.0**	0-20		
16984-48-8	28678	FLUORIDE	ND	ND	mg/L	**NA**	0-20		
14808-79-8	28678	SULFATE	0.8	0.8	mg/L	**0.0**	0-20		
14797-55-8	28955	NITRATE-N	2.88	2.82	mg/L	**2.1**	0-20		
16887-00-6	29253	CHLORIDE	1.1	1.1	mg/L	**0.0**	0-20		
16984-48-8	29253	FLUORIDE	0.10	0.11	mg/L	**9.5**	0-20		
14797-55-8	29253	NITRATE-N	0.83	0.82	mg/L	**1.2**	0-20		
14797-65-0	29253	NITRITE-N	ND	ND	mg/L	**NA**	0-20		
14808-79-8	29253	SULFATE	2.8	2.8	mg/L	**0.0**	0-20		

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FORM: QC Dependent_Port.rpt

ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
E-10128	29253	TOTAL NITRATE+NITRITE as N	0.83	0.82	mg/L	**1.2**	0-20		
ODOR_240531									
E-11734	29053	ODOR	ND	ND	TON	**NA**	0-20		
TASTE_240603									
NA	16472	TASTE	ND	ND	FTN	**NA**	0-10		
NA	27953	TASTE	ND	ND	FTN	**NA**	0-10		
TDS_240531									
E-10173	27950	TOTAL DISSOLVED SOLIDS (TDS)	23	26	mg/L	**12.2**	0-5		
E-10173	28668	TOTAL DISSOLVED SOLIDS (TDS)	412	403	mg/L	**2.2**	0-5		
TURB_240530									
E-10617	29023	TURBIDITY	ND	ND	NTU	**NA**	0-20		

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ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
1677_240604														
57-12-5	27950	CYANIDE	ND	0.0434	0.0446	0.050	mg/L	**87**	**89**	70-130	**2.7**	0-20		
57-12-5	28174	CYANIDE	ND	0.052	0.053	0.050	mg/L	**104**	**106**	70-130	**1.9**	0-20		
57-12-5	29025	CYANIDE	ND	0.047	0.049	0.050	mg/L	**94**	**98**	70-130	**4.2**	0-20		
57-12-5	29475	CYANIDE	ND	0.047	0.048	0.050	mg/L	**94**	**96**	70-130	**2.1**	0-20		
200.7_240604A5														
7429-90-5	27512	ALUMINUM	ND	0.51	0.52	0.50	mg/L	**102**	**104**	70-130	**1.9**	0-20		
7440-70-2	27512	CALCIUM	4.5	17.3	18.0	13.0	mg/L	**98**	**104**	70-130	**5.3**	0-20		
E-11778	27512	HARDNESS	21.1	104	109	86.0	mg/L	**96**	**102**	70-130	**5.9**	0-20		
7439-89-6	27512	IRON	ND	0.50	0.51	0.50	mg/L	**100**	**102**	70-130	**2.0**	0-20		
7439-95-4	27512	MAGNESIUM	2.4	14.8	15.5	13.0	mg/L	**95**	**101**	70-130	**5.5**	0-20		
7440-09-7	27512	POTASSIUM	1.5	18.0	18.8	17.5	mg/L	**94**	**99**	70-130	**4.7**	0-20		
7440-23-5	27512	SODIUM	1.6	14.2	14.9	13.0	mg/L	**97**	**102**	70-130	**5.4**	0-20		
E-11778	27961	HARDNESS	178	259	259	86.0	mg CaCO3/L	**94**	**94**	70-130	**0.0**	0-20		
7429-90-5	27961	ALUMINUM	ND	0.52	0.51	0.50	mg/L	**104**	**102**	70-130	**1.9**	0-20		
7440-70-2	27961	CALCIUM	44.1	56.6	56.8	13.0	mg/L	**96**	**98**	70-130	**1.6**	0-20		
7439-89-6	27961	IRON	ND	0.49	0.49	0.50	mg/L	**98**	**98**	70-130	**0.0**	0-20		
7439-95-4	27961	MAGNESIUM	16.4	28.5	28.5	13.0	mg/L	**93**	**93**	70-130	**0.0**	0-20		
7440-09-7	27961	POTASSIUM	1.6	18.7	18.6	17.5	mg/L	**98**	**97**	70-130	**0.6**	0-20		
7440-23-5	27961	SODIUM	9.0	21.7	21.7	13.0	mg/L	**98**	**98**	70-130	**0.0**	0-20		
7439-89-6	28527	IRON	3.04	3.41	3.42	0.50	mg/L	**74**	**76**	70-130	**2.7**	0-20		
E-11778	28694	HARDNESS	ND	85.8	86.4	86.0	mg/L	**100**	**100**	70-130	**0.7**	0-20		
7439-89-6	28694	IRON	ND	0.51	0.49	0.50	mg/L	**102**	**98**	70-130	**4.0**	0-20		
E-11778	28779	HARDNESS	ND	98.1	93.9	86.0	mg/L	**114**	**109**	70-130	**4.4**	0-20		
7439-89-6	28779	IRON	0.12	0.68	0.67	0.50	mg/L	**112**	**110**	70-130	**1.8**	0-20		
E-11778	28806	HARDNESS	82.1	183	182	86.0	mg/L	**117**	**116**	70-130	**1.0**	0-20		
7439-89-6	28806	IRON	0.25	0.82	0.81	0.50	mg/L	**114**	**112**	70-130	**1.8**	0-20		
7440-23-5	28806	SODIUM	9.2	24.0	23.8	13.0	mg/L	**114**	**112**	70-130	**1.4**	0-20		
E-11778	29053	HARDNESS	86.4	169	169	86.0	mg CaCO3/L	**96**	**96**	70-130	**0.0**	0-20		
7429-90-5	29053	ALUMINUM	ND	0.51	0.50	0.50	mg/L	**102**	**100**	70-130	**2.0**	0-20		
7440-70-2	29053	CALCIUM	19.6	32.4	32.5	13.0	mg/L	**98**	**99**	70-130	**0.8**	0-20		
7439-89-6	29053	IRON	ND	0.49	0.48	0.50	mg/L	**98**	**96**	70-130	**2.1**	0-20		
7439-95-4	29053	MAGNESIUM	9.1	21.3	21.3	13.0	mg/L	**94**	**94**	70-130	**0.0**	0-20		
7440-09-7	29053	POTASSIUM	ND	16.9	16.9	17.5	mg/L	**97**	**97**	70-130	**0.0**	0-20		
7440-23-5	29053	SODIUM	ND	13.2	13.1	13.0	mg/L	**102**	**101**	70-130	**0.8**	0-20		
7439-89-6	29138	IRON	ND	0.54	0.53	0.50	mg/L	**108**	**106**	70-130	**1.9**	0-20		
7439-89-6	29164	IRON	ND	0.49	0.53	0.50	mg/L	**98**	**106**	70-130	**7.8**	0-20		
7439-89-6	29318	IRON	0.43	0.93	0.91	0.50	mg/L	**100**	**96**	70-130	**4.1**	0-20		
7440-23-5	29318	SODIUM	15.1	27.2	27.2	13.0	mg/L	**93**	**93**	70-130	**0.0**	0-20		
7439-89-6	29350	IRON	ND	0.52	0.50	0.50	mg/L	**104**	**100**	70-130	**3.9**	0-20		
200.7_240607C4														
7440-42-8	27958	BORON	ND	0.50	0.50	0.50	mg/L	**100**	**100**	70-130	**0.0**	0-20		
7440-42-8	28100	BORON	0.05	0.55	0.57	0.50	mg/L	**100**	**104**	70-130	**3.9**	0-20		
7440-42-8	28678	BORON	ND	0.53	0.53	0.50	mg/L	**106**	**106**	70-130	**0.0**	0-20		
7440-42-8	30378	BORON	ND	0.56	0.56	0.50	mg/L	**112**	**112**	70-130	**0.0**	0-20		
200.8_240607A4														

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ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
7440-36-0	27951	ANTIMONY	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-38-2	27951	ARSENIC	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7440-39-3	27951	BARIUM	ND	0.0098		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-43-9	27951	CADMIUM	ND	0.0094		0.010	mg/L	**94**		70-130	**NA**	0-20		
7440-47-3	27951	CHROMIUM	ND	0.0106		0.010	mg/L	**106**		70-130	**NA**	0-20		
7440-50-8	27951	COPPER	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7439-92-1	27951	LEAD	ND	0.0096		0.010	mg/L	**96**		70-130	**NA**	0-20		
7439-96-5	27951	MANGANESE	ND	0.0098		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-02-0	27951	NICKEL	ND	0.0095		0.010	mg/L	**95**		70-130	**NA**	0-20		
7782-49-2	27951	SELENIUM	ND	0.0098		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-22-4	27951	SILVER	ND	0.0095		0.010	mg/L	**95**		70-130	**NA**	0-20		
7440-28-0	27951	THALLIUM	ND	0.0093		0.010	mg/L	**93**		70-130	**NA**	0-20		
7440-61-1	27951	URANIUM	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-66-6	27951	ZINC	ND	0.0092		0.010	mg/L	**92**		70-130	**NA**	0-20		
7440-36-0	28284	ANTIMONY	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-38-2	28284	ARSENIC	ND	0.0108		0.010	mg/L	**108**		70-130	**NA**	0-20		
7440-39-3	28284	BARIUM	0.0176	0.0270		0.010	mg/L	**94**		70-130	**NA**	0-20		
7440-43-9	28284	CADMIUM	ND	0.0094		0.010	mg/L	**94**		70-130	**NA**	0-20		
7440-47-3	28284	CHROMIUM	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-50-8	28284	COPPER	ND	0.0114		0.010	mg/L	**114**		70-130	**NA**	0-20		
7439-92-1	28284	LEAD	ND	0.0098		0.010	mg/L	**98**		70-130	**NA**	0-20		
7439-96-5	28284	MANGANESE	0.0120	0.0205		0.010	mg/L	**85**		70-130	**NA**	0-20		
7440-02-0	28284	NICKEL	ND	0.0090		0.010	mg/L	**90**		70-130	**NA**	0-20		
7782-49-2	28284	SELENIUM	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-22-4	28284	SILVER	ND	0.0075		0.010	mg/L	**75**		70-130	**NA**	0-20		
7440-28-0	28284	THALLIUM	ND	0.0095		0.010	mg/L	**95**		70-130	**NA**	0-20		
7440-61-1	28284	URANIUM	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-66-6	28284	ZINC	0.0050	0.0148		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-36-0	28557	ANTIMONY	ND	0.0099		0.010	mg/L	**99**		70-130	**NA**	0-20		
7440-38-2	28557	ARSENIC	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7440-39-3	28557	BARIUM	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-43-9	28557	CADMIUM	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-47-3	28557	CHROMIUM	ND	0.0108		0.010	mg/L	**108**		70-130	**NA**	0-20		
7440-50-8	28557	COPPER	ND	0.0114		0.010	mg/L	**114**		70-130	**NA**	0-20		
7439-92-1	28557	LEAD	ND	0.0106		0.010	mg/L	**106**		70-130	**NA**	0-20		
7439-96-5	28557	MANGANESE	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7440-02-0	28557	NICKEL	ND	0.0106		0.010	mg/L	**106**		70-130	**NA**	0-20		
7782-49-2	28557	SELENIUM	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-22-4	28557	SILVER	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-28-0	28557	THALLIUM	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-66-6	28557	ZINC	ND	0.0107		0.010	mg/L	**107**		70-130	**NA**	0-20		
7440-36-0	28775	ANTIMONY	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-38-2	28775	ARSENIC	0.0018	0.0124		0.010	mg/L	**106**		70-130	**NA**	0-20		
7440-39-3	28775	BARIUM	0.0038	0.0138		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-43-9	28775	CADMIUM	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-47-3	28775	CHROMIUM	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-50-8	28775	COPPER	ND	0.0107		0.010	mg/L	**107**		70-130	**NA**	0-20		

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
7439-92-1	28775	LEAD	ND	0.0110		0.010	mg/L	**110**		70-130	**NA**	0-20		
7439-96-5	28775	MANGANESE	0.0030	0.0119		0.010	mg/L	**89**		70-130	**NA**	0-20		
7440-02-0	28775	NICKEL	ND	0.0092		0.010	mg/L	**92**		70-130	**NA**	0-20		
7782-49-2	28775	SELENIUM	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-22-4	28775	SILVER	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-28-0	28775	THALLIUM	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-61-1	28775	URANIUM	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-66-6	28775	ZINC	0.223	0.234		0.010	mg/L	**110**		70-130	**NA**	0-20		
7440-38-2	29373	ARSENIC	ND	0.0109		0.010	mg/L	**109**		70-130	**NA**	0-20		
7440-39-3	29373	BARIUM	0.0033	0.0136		0.010	mg/L	**103**		70-130	**NA**	0-20		
7440-43-9	29373	CADMIUM	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-47-3	29373	CHROMIUM	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7439-92-1	29373	LEAD	ND	0.0110		0.010	mg/L	**110**		70-130	**NA**	0-20		
7782-49-2	29373	SELENIUM	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-22-4	29373	SILVER	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-36-0	29374	ANTIMONY	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-38-2	29374	ARSENIC	0.0057	0.0161		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-39-3	29374	BARIUM	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-43-9	29374	CADMIUM	ND	0.0095		0.010	mg/L	**95**		70-130	**NA**	0-20		
7440-47-3	29374	CHROMIUM	ND	0.0098		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-50-8	29374	COPPER	0.005	0.0144		0.010	mg/L	**94**		70-130	**NA**	0-20		
7439-92-1	29374	LEAD	ND	0.0096		0.010	mg/L	**96**		70-130	**NA**	0-20		
7439-96-5	29374	MANGANESE	ND	0.0097		0.010	mg/L	**97**		70-130	**NA**	0-20		
7440-02-0	29374	NICKEL	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7782-49-2	29374	SELENIUM	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-22-4	29374	SILVER	ND	0.0091		0.010	mg/L	**91**		70-130	**NA**	0-20		
7440-28-0	29374	THALLIUM	ND	0.0093		0.010	mg/L	**93**		70-130	**NA**	0-20		
7440-61-1	29374	URANIUM	0.0010	0.0114		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-66-6	29374	ZINC	0.0064	0.0164		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-38-2	29490	ARSENIC	ND	0.0114		0.010	mg/L	**114**		70-130	**NA**	0-20		
7440-39-3	29490	BARIUM	0.0496	0.0592		0.010	mg/L	**96**		70-130	**NA**	0-20		
7440-43-9	29490	CADMIUM	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-47-3	29490	CHROMIUM	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7439-92-1	29490	LEAD	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7782-49-2	29490	SELENIUM	ND	0.0106		0.010	mg/L	**106**		70-130	**NA**	0-20		
7440-22-4	29490	SILVER	ND	0.0098		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-38-2	29801	ARSENIC	0.0161	0.0266		0.010	mg/L	**105**		70-130	**NA**	0-20		
7440-38-2	29877	ARSENIC	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7440-38-2	30386	ARSENIC	ND	0.0109		0.010	mg/L	**109**		70-130	**NA**	0-20		
7440-38-2	30560	ARSENIC	ND	0.0111		0.010	mg/L	**111**		70-130	**NA**	0-20		
200.8_240611A4														
7440-41-7	27958	BERYLLIUM	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
245.1_240618														
7439-97-6	2543	MERCURY	ND	0.00152	0.00155	0.00167	mg/L	**91**	**93**	70-130	**2.0**	0-20		
7439-97-6	32651	MERCURY	ND	0.00157	0.00151	0.00167	mg/L	**94**	**90**	70-130	**3.9**	0-20		
300.1_240610A														

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
24959-67-9	2543	BROMIDE	0.0195	0.0307		0.010	mg/L	**112**		75-125	**NA**	0-20		
504_240605														
106-93-4	27786	1,2 - DIBROMOETHANE (EDB)	ND	0.00025		0.00025	mg/L	**100**	**NA**	65-135	**NA**	0-20		
96-18-4	27786	1,2,3 - TRICHLOROPROPANE	ND	0.00026		0.00025	mg/L	**104**	**NA**	65-135	**NA**	0-20		
96-12-8	27786	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	0.00028		0.00025	mg/L	**112**	**NA**	65-135	**NA**	0-20		
515_240604														
94-75-7	27950	2,4 - D	ND	2.81	2.84	2.5	ug/L	**112**	**114**	70-130	**1.1**	0-20		
93-72-1	27950	2,4,5 - TP (SILVEX)	ND	2.90	2.91	2.5	ug/L	**116**	**116**	70-130	**0.3**	0-20		
75-99-0	27950	DALAPON	ND	2.42	2.51	2.5	ug/L	**97**	**100**	70-130	**3.7**	0-20		
1918-00-9	27950	DICAMBA	ND	2.82	2.83	2.5	ug/L	**113**	**113**	70-130	**0.4**	0-20		
88-85-7	27950	DINOSEB	ND	2.60	2.83	2.5	ug/L	**104**	**113**	70-130	**8.5**	0-20		
87-86-5	27950	PENTACHLOROPHENOL	ND	2.95	2.97	2.5	ug/L	**118**	**119**	70-130	**0.7**	0-20		
1918-02-1	27950	PICLORAM	ND	2.56	2.58	2.5	ug/L	**102**	**103**	70-130	**0.8**	0-20		
525_240605														
15972-60-8	27958	ALACHLOR	ND	2.17		2	ug/L	**109**	**NA**	70-130	**NA**	0-20		
309-00-2	27958	ALDRIN	ND	0.72		1	ug/L	**72**	**NA**	70-130	**NA**	0-20		
1912-24-9	27958	ATRAZINE	ND	2.14		2	ug/L	**107**	**NA**	70-130	**NA**	0-20		
23184-66-9	27958	BUTACHLOR	ND	1.07		1	ug/L	**107**	**NA**	70-130	**NA**	0-20		
103-23-1	27958	DI(2-ETHYLHEXYL)-ADIPATE	ND	1.15		1	ug/L	**115**	**NA**	70-130	**NA**	0-20		
117-81-7	27958	DI(2-ETHYLHEXYL)-PHTHALATE	ND	1.21		1	ug/L	**121**	**NA**	70-130	**NA**	0-20		
60-57-1	27958	DIELDRIN	ND	1.03		1	ug/L	**103**	**NA**	70-130	**NA**	0-20		
1024-57-3	27958	HEPTACHLOR EPOXIDE "B"	ND	1.07		1	ug/L	**107**	**NA**	70-130	**NA**	0-20		
51218-45-2	27958	METOLACHLOR	ND	1.07		1	ug/L	**107**	**NA**	70-130	**NA**	0-20		
21087-64-9	27958	METRIBUZIN	ND	0.71		1	ug/L	**71**	**NA**	70-130	**NA**	0-20		
1918-16-7	27958	PROPACHLOR	ND	1.02		1	ug/L	**102**	**NA**	70-130	**NA**	0-20		
122-34-9	27958	SIMAZINE	ND	0.97		1	ug/L	**97**	**NA**	70-130	**NA**	0-20		
531_240613														
16655-82-6	27951	3-HYDROXYCARBOFURAN	ND	19.9	20.0	20	ug/L	**100**	**100**	70-130	**0.5**	0-20		
116-06-3	27951	ALDICARB	ND	19.3	19.4	20	ug/L	**97**	**97**	70-130	**0.5**	0-20		
1646-88-4	27951	ALDICARB SULFONE	ND	19.9	19.9	20	ug/L	**100**	**100**	70-130	**0.0**	0-20		
1646-87-3	27951	ALDICARB SULFOXIDE	ND	19.9	19.8	20	ug/L	**100**	**99**	70-130	**0.5**	0-20		
63-25-2	27951	CARBARYL	ND	18.1	18.1	20	ug/L	**91**	**91**	70-130	**0.0**	0-20		
1563-66-2	27951	CARBOFURAN	ND	19.1	19.0	20	ug/L	**96**	**95**	70-130	**0.5**	0-20		
16752-77-5	27951	METHOMYL	ND	20.0	20.1	20	ug/L	**100**	**101**	70-130	**0.5**	0-20		
23135-22-0	27951	OXAMYL (VYDATE)	ND	19.9	20.0	20	ug/L	**100**	**100**	70-130	**0.5**	0-20		
547_240611														
1071-83-6	28557	GLYPHOSATE	ND	0.0197		0.02	mg/L	**99**	**NA**	81-126	**NA**	0-20		
1071-83-6	29451	GLYPHOSATE	ND	44.4		40	ug/L	**111**	**NA**	81-126	**NA**	0-20		
548_240603														
145-73-3	27953	ENDOTHALL	ND	3.96		5	ug/L	**79**	**NA**	50-150	**NA**	0-20		
145-73-3	27958	ENDOTHALL	ND	3.62		5	ug/L	**72**	**NA**	50-150	**NA**	0-20		
549_240603														
85-00-7	27951	DIQUAT	ND	16.3		20	ug/L	**82**	**NA**	70-130	**NA**	0-20		
85-00-7	28715	DIQUAT	ND	15.3		20	ug/L	**77**	**NA**	70-130	**NA**	0-20		
IC06_240530A														

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

ANALYTICAL

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-15398**
Report Date: 6/30/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
16887-00-6	28678	CHLORIDE	2.2	3.2		1	mg/L	**100**		90-110	**NA**	0-20		
16984-48-8	28678	FLUORIDE	ND	1.09		1	mg/L	**109**		90-110	**NA**	0-20		
14808-79-8	28678	SULFATE	0.8	2.6		2	mg/L	**90**		90-110	**NA**	0-20		
14797-55-8	28955	NITRATE-N	2.88	3.87		1	mg/L	**99**		90-110	**NA**	0-20		
16887-00-6	29253	CHLORIDE	1.1	2.0		1	mg/L	**90**		90-110	**NA**	0-20		
16984-48-8	29253	FLUORIDE	0.10	1.07		1	mg/L	**97**		90-110	**NA**	0-20		
14797-55-8	29253	NITRATE-N	0.83	1.82		1	mg/L	**99**		90-110	**NA**	0-20		
14797-65-0	29253	NITRITE-N	ND	0.98		1	mg/L	**98**		90-110	**NA**	0-20		
14808-79-8	29253	SULFATE	2.8	4.6		2	mg/L	**90**		90-110	**NA**	0-20		
E-10128	29253	TOTAL NITRATE+NITRITE as N	0.83	2.80		2	mg/L	**99**		90-110	**NA**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

Qualifier Definitions

Reference Number: 24-15398
Report Date: 06/30/24

Qualifier	Definition
B	Indicates that an analyte has been detected in the laboratory trip blank as well as in an associated field sample. This flag denotes possible contribution of laboratory or field contamination to the concentration of that analyte detected in the field samp
BN	This compound was detected in the Trip Blank, but not in the associated field sample. No further action taken.
H1	Sample analysis performed past holding time.
H3	Sample was received and analyzed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
HR	High QCS recovery due to increased detector response No sample dectections, therefore, no further action taken for this analysis set.
IM	Matrix induced bias assumed
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
JJ	The amount detected is below the Method's Reporting Level but equal or greater than the lab's Practical Quantitation Level.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the MRL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

CHAIN OF CUSTODY RECORD 24-15398 29053

1108-014-30

INVOICE TO/SEND ORIGINAL REPORT TO:	CLIENT NAME TO APPEAR ON REPORT:	LAB USED:	ORDER #
Compliance Designs 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318	Alpine Water GMBH Obertraun 311 4831 Obertraun Austria	Edge Analytical	
		TURNAROUND TIME: STND/BUT ASAP	PWS #:

PROJECT NAME:	PROJECT #:
2024 Annual	1108

SAMPLE NUMBER	DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION AND PRODUCTION CODE	NUMBER OF CONTAINERS	ANALYSIS REQUIRED
1108-014	27.5.24 9:00a	Artesian Finished Product		50 State Battery With TCP (504), & PFAS
		Produced From: Dachstein Well Source		
		Size: **If multiple shipments indicate shipment __ of ___**		
LAB, PLEASE INDICATE DATE AND TIME BOTTLES OPENED (SAMPLE DATE & TIME)		Prod Code: Line:		

Sampler used incorrect COC this is for 1108-013

SAMPLER'S SIGNATURE: SIGN HERE

PLEASE PRINT BELOW: Schwarzenlander

COMPLIANCE CRITERIA: 50 State Compliance

RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
Sign Here	Date & Time			
		Other/REC8/MLC 49	5-30-24 1041	

CHAIN OF CUSTODY RECORD 24-15398 29053

1108-013-30

INVOICE TO/SEND	ORIGINAL REPORT TO:	CLIENT NAME TO APPEAR ON REPORT:	LAB USED:	ORDER #
Compliance Designs	159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318	Alpine Water GMBH Obertraun 311 4831 Obertraun Austria	Edge Analytical	60538
			TURNAROUND TIME: STND/BUT ASAP	PWS # :

PROJECT NAME:	PROJECT #:
2024 Annual	1108

SAMPLE NUMBER	DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION AND PRODUCTION CODE	NUMBER OF CONTAINERS	ANALYSIS REQUIRED
1108-013	27-5-24 9:00	Dachstein Artesian Well Source		50 State Battery (NO DBPS) With TCP (504), & PFAS
				leave THM & Bromide
		trip blanks	2	

SAMPLER'S SIGNATURE: PLEASE PRINT BELOW:

COMPLIANCE CRITERIA: 50 State Compliance

RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID: 042410878
Customer ID: EDGA78
Customer PO:
Project ID:

Attn: Subcontract
Edge Analytical, Inc.
1620 South Walnut Street
Burlington, WA 98233

Phone: (360) 757-1400
Fax: (360) 757-1402
Received: 05/31/2024
Analyzed: 06/04/2024

Proj: 24-15398

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)	
24-29053 042410878-0001	6/3/2024 02:06 PM	100	1336	0.0768	None Detected	ND	0.17	<0.17	0.00 - 0.64

Collection Date/Time: *05/27/2024 23:59 PM*

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Bottle supplied by client

Analyst(s)
Debbie Little (1)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Any questions please contact Samantha Rundstrom-Cruz.

Initial report from: 06/04/2024 22:27:25

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Data Reporting
Edge Analytical, Inc
1620 S Walnut Street
Burlington, Washington 98233-3231

Generated 6/7/2024 3:38:47 PM

JOB DESCRIPTION

24-15398

JOB NUMBER

380-97868-1

Eurofins Eaton Analytical Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. (DW,Water matrices)

Authorization

Generated
6/7/2024 3:38:47 PM

Authorized for release by
Anisha Zachariah, Project Manager
Anisha.Zachariah@et.eurofinsus.com
(626)386-1142

Table of Contents

Definitions/Glossary

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 380-97868-1 — Eurofins Eaton Analytical Pomona

Job Narrative
380-97868-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 5/31/2024 10:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

LCMS
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 5540C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 380-93096 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Client Sample ID: 24_29053 **Lab Sample ID: 380-97868-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Client Sample ID: 24_29053
Date Collected: 05/27/24 23:59
Date Received: 05/31/24 10:30

Lab Sample ID: 380-97868-1
Matrix: Water

Method: EPA 331.0 - Perchlorate (LC/MS/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.50		ug/L			06/03/24 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		1.0		ug/L			06/06/24 16:58	1
Methylene Blue Active Substances (SM 5540C)	ND	H H3 F1	0.10		mg/L			05/31/24 15:30	1

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Method: 331.0 - Perchlorate (LC/MS/MS)

Lab Sample ID: MBL 380-93268/10
Matrix: Water
Analysis Batch: 93268

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.50		ug/L			06/03/24 09:45	1

Lab Sample ID: LCS 380-93268/11
Matrix: Water
Analysis Batch: 93268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perchlorate			19.6	19.1		ug/L		97	80 - 120		

Lab Sample ID: MRL 380-93268/1008
Matrix: Water
Analysis Batch: 93268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Perchlorate			0.490	0.595		ug/L		121	50 - 150		

Lab Sample ID: 380-97796-AK-1 MS LMS
Matrix: Water
Analysis Batch: 93268

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	LMS Result	LMS Qualifier	Unit	D	%Rec	%Rec Limits		
Perchlorate	ND		0.500	0.456	J	ug/L		91	50 - 150		

Lab Sample ID: 380-97796-AK-1 MSD LMSD
Matrix: Water
Analysis Batch: 93268

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	LMSD Result	LMSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perchlorate	ND		0.500	0.444	J	ug/L		89	50 - 150	3	50

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 380-94015/14
Matrix: Water
Analysis Batch: 94015

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	ND		1.0		ug/L			06/06/24 16:43	1

Lab Sample ID: LCS 380-94015/16
Matrix: Water
Analysis Batch: 94015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenols, Total			5.00	4.90		ug/L		98	90 - 110		

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCSD 380-94015/17
Matrix: Water
Analysis Batch: 94015

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total			5.00	4.87		ug/L		97	90 - 110	1	20

Lab Sample ID: MRL 380-94015/15
Matrix: Water
Analysis Batch: 94015

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Phenols, Total			1.00	1.22		ug/L		122	50 - 150		

Lab Sample ID: 380-97868-1 MS
Matrix: Water
Analysis Batch: 94015

Client Sample ID: 24_29053
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenols, Total	ND		5.00	4.95		ug/L		99	80 - 120		

Lab Sample ID: 380-97868-1 MSD
Matrix: Water
Analysis Batch: 94015

Client Sample ID: 24_29053
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenols, Total	ND		5.00	4.72		ug/L		94	80 - 120	5	20

Method: SM 5540C - Methylene Blue Active Substances (MBAS)

Lab Sample ID: MBL 380-93096/2
Matrix: Water
Analysis Batch: 93096

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methylene Blue Active Substances	ND		0.10		mg/L			05/31/24 15:30	1

Lab Sample ID: LCS 380-93096/1
Matrix: Water
Analysis Batch: 93096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Blue Active Substances			0.200	0.212		mg/L		106	90 - 110		

Lab Sample ID: LCSD 380-93096/10
Matrix: Water
Analysis Batch: 93096

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Blue Active Substances			0.200	0.220		mg/L		110	90 - 110	3	20

Method: SM 5540C - Methylene Blue Active Substances (MBAS) (Continued)

Lab Sample ID: MRL 380-93096/3
Matrix: Water
Analysis Batch: 93096

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Blue Active Substances			0.100	0.108		mg/L		108	75 - 125		

Lab Sample ID: 380-97868-1 MS
Matrix: Water
Analysis Batch: 93096

Client Sample ID: 24_29053
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Methylene Blue Active Substances	ND	H H3 F1	0.200	0.265	F1	mg/L		133	80 - 120		

Lab Sample ID: 380-97868-1 MSD
Matrix: Water
Analysis Batch: 93096

Client Sample ID: 24_29053
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylene Blue Active Substances	ND	H H3 F1	0.200	0.245	F1	mg/L		123	80 - 120	8	20

QC Association Summary

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

LCMS

Analysis Batch: 93268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-97868-1	24_29053	Total/NA	Water	331.0	
MBL 380-93268/10	Method Blank	Total/NA	Water	331.0	
LCS 380-93268/11	Lab Control Sample	Total/NA	Water	331.0	
MRL 380-93268/1008	Lab Control Sample	Total/NA	Water	331.0	
380-97796-AK-1 MS LMS	Matrix Spike	Total/NA	Water	331.0	
380-97796-AK-1 MSD LMSD	Matrix Spike Duplicate	Total/NA	Water	331.0	

General Chemistry

Analysis Batch: 93096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-97868-1	24_29053	Total/NA	Water	SM 5540C	
MBL 380-93096/2	Method Blank	Total/NA	Water	SM 5540C	
LCS 380-93096/1	Lab Control Sample	Total/NA	Water	SM 5540C	
LCSD 380-93096/10	Lab Control Sample Dup	Total/NA	Water	SM 5540C	
MRL 380-93096/3	Lab Control Sample	Total/NA	Water	SM 5540C	
380-97868-1 MS	24_29053	Total/NA	Water	SM 5540C	
380-97868-1 MSD	24_29053	Total/NA	Water	SM 5540C	

Analysis Batch: 94015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-97868-1	24_29053	Total/NA	Water	420.4	
MB 380-94015/14	Method Blank	Total/NA	Water	420.4	
LCS 380-94015/16	Lab Control Sample	Total/NA	Water	420.4	
LCSD 380-94015/17	Lab Control Sample Dup	Total/NA	Water	420.4	
MRL 380-94015/15	Lab Control Sample	Total/NA	Water	420.4	
380-97868-1 MS	24_29053	Total/NA	Water	420.4	
380-97868-1 MSD	24_29053	Total/NA	Water	420.4	

Lab Chronicle

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Client Sample ID: 24_29053
Date Collected: 05/27/24 23:59
Date Received: 05/31/24 10:30

Lab Sample ID: 380-97868-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	331.0		1	93268	R6YA	EA POM	06/03/24 11:15
Total/NA	Analysis	420.4		1	94015	LQ3M	EA POM	06/06/24 16:58
Total/NA	Analysis	SM 5540C		1	93096	MQP5	EA POM	05/31/24 15:30

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Laboratory: Eurofins Eaton Analytical Pomona

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5890.01 & 5890.02	06-30-25
Utah	NELAP	CA00006	01-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
420.4		Water	Phenols, Total

Method Summary

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Method	Method Description	Protocol	Laboratory
331.0	Perchlorate (LC/MS/MS)	EPA	EA POM
420.4	Phenolics, Total Recoverable	EPA	EA POM
SM 5540C	Methylene Blue Active Substances (MBAS)	SM	EA POM

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: Edge Analytical, Inc
Project/Site: 24-15398

Job ID: 380-97868-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-97868-1	24_29053	Water	05/27/24 23:59	05/31/24 10:30

EDGE ANALYTICAL

Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology(b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	MicrobiologyChem (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	MicrobiologyChem (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946
Bend, OR	MicrobiologyChem (e)	20332 Empire Ave., Ste. F4	Bend, OR 97703	541.639.8425

Subcontract Work Order

Laboratory Name: EUROFINS Eaton Analytical - Pamona
941 Corporate Center Dr
Pamona, CA 91768-2642

Project: **1108-013**

Date: 5/30/2024
Reference Number: **24-15398**
Date Due: **6/27/2024**

Sample ID: **24_29053** Sample Origin: **AT** Matrix: **Source Water fo** Date Sampled: **5/27/2024 23:59**

Analyte Name	Units	PQL
Analytical Method: **331.0** ***Prep Method:***		
PERCHLORATE	mg/L	0.00005
Analytical Method: **420.4** ***Prep Method:***		
TOTAL PHENOLIC COMPOUNDS	ug/L	1
Analytical Method: **SM5540 C** ***Prep Method:***		
MBAS (Surfactants)	mg/L	

Run out of hold

Country of Origin:
Austria

380-97868 COC

Please send results to: subcontract@edgeanalytical.com

Relinq CJK 5/30/24 13:20

Date Time

UPS
REITNER EGAS 1ZV930F61366887639

Received By (751A) 2.4°-0.1°=2.3°
REAL/GEL - FROZEN

05/31/2024 10:30

Date Time

FORM: cSubCOC.rpt

Login Sample Receipt Checklist

Client: Edge Analytical, Inc

Job Number: 380-97868-1

Login Number: 97868

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Elyas, Matthew

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

June 04, 2024

Laurence J. Henderson
Edge Analytical, Inc.
1620 S. Walnut St.
Burlington, WA 98233

RE: Project: 24-15398
Pace Project No.: 35882894

Dear Laurence Henderson:

Enclosed are the analytical results for sample(s) received by the laboratory on May 31, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Martha Montero
martha.montero@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: Reports, Edge Analytical, Inc.

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: 24-15398
Pace Project No.: 35882894

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: 24-15398
Pace Project No.: 35882894

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35882894001	**24_29053**	Drinking Water	05/27/24 23:59	05/31/24 11:30
35882894002	**24_29053 FB**	Drinking Water	05/27/24 23:59	05/31/24 11:30

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: 24-15398
Pace Project No.: 35882894

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35882894001	**24_29053**	EPA 537.1	TSW	22	PASI-O
35882894002	**24_29053 FB**	EPA 537.1	TSW	22	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: 24-15398
Pace Project No.: 35882894

Sample: 24_29053 **Lab ID: 35882894001** Collected: 05/27/24 23:59 Received: 05/31/24 11:30 Matrix: Drinking Water

Parameters	Results	Units	PQL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1 Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**1.5 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	763051-92-9	
9Cl-PF3ONS	**1.1 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	756426-58-1	
ADONA	**0.70 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	919005-14-4	
HFPO-DA	**1.6 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	13252-13-6	
NEtFOSAA	**0.90 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	2991-50-6	
NMeFOSAA	**1.5 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	2355-31-9	
PFBS	**0.65 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	375-73-5	
PFDA	**0.94 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	335-76-2	
PFHxA	**1.2 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	307-24-4	
PFDoA	**1.4 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	307-55-1	
PFHpA	**0.98 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	375-85-9	
PFHxS	**0.71 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	355-46-4	
PFNA	**1.9 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	375-95-1	
PFOS	**1.2 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	1763-23-1	
PFOA	**0.85 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	335-67-1	
PFTeDA	**1.8 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	376-06-7	
PFTrDA	**1.7 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	72629-94-8	
PFUnA	**1.9 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:42	2058-94-8	
Surrogates									
13C2-PFDA (S)	108	%	70-130		1	06/01/24 15:36	06/02/24 20:42		
13C2-PFHxA (S)	107	%	70-130		1	06/01/24 15:36	06/02/24 20:42		
NEtFOSAA-d5 (S)	105	%	70-130		1	06/01/24 15:36	06/02/24 20:42		
HFPO-DAS (S)	106	%	70-130		1	06/01/24 15:36	06/02/24 20:42		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: 24-15398
Pace Project No.: 35882894

Sample: 24_29053 FB **Lab ID: 35882894002** Collected: 05/27/24 23:59 Received: 05/31/24 11:30 Matrix: Drinking Water

Parameters	Results	Units	PQL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water	Analytical Method: EPA 537.1 Preparation Method: EPA 537.1 Pace Analytical Services - Ormond Beach								
11Cl-PF3OUdS	**1.5 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	763051-92-9	
9Cl-PF3ONS	**1.1 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	756426-58-1	
ADONA	**0.69 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	919005-14-4	
HFPO-DA	**1.6 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	13252-13-6	
NEtFOSAA	**0.88 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	2991-50-6	
NMeFOSAA	**1.5 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	2355-31-9	
PFBS	**0.63 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	375-73-5	
PFDA	**0.92 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	335-76-2	
PFHxA	**1.2 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	307-24-4	
PFDoA	**1.4 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	307-55-1	
PFHpA	**0.96 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	375-85-9	
PFHxS	**0.70 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	355-46-4	
PFNA	**1.9 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	375-95-1	
PFOS	**1.1 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	1763-23-1	
PFOA	**0.83 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	335-67-1	
PFTeDA	**1.8 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	376-06-7	
PFTrDA	**1.7 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	72629-94-8	
PFUnA	**1.9 U**	ng/L	1.9		1	06/01/24 15:36	06/02/24 20:58	2058-94-8	
Surrogates									
13C2-PFDA (S)	106	%	70-130		1	06/01/24 15:36	06/02/24 20:58		
13C2-PFHxA (S)	108	%	70-130		1	06/01/24 15:36	06/02/24 20:58		
NEtFOSAA-d5 (S)	102	%	70-130		1	06/01/24 15:36	06/02/24 20:58		
HFPO-DAS (S)	106	%	70-130		1	06/01/24 15:36	06/02/24 20:58		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: 24-15398
Pace Project No.: 35882894

QC Batch: 1015910
QC Batch Method: EPA 537.1
Analysis Method: EPA 537.1
Analysis Description: 537.1 PFOA Compounds, Water
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35882894001, 35882894002

METHOD BLANK: 5583340 Matrix: Water
Associated Lab Samples: 35882894001, 35882894002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ng/L	1.6 U	2.0	06/02/24 17:40	
9Cl-PF3ONS	ng/L	1.2 U	2.0	06/02/24 17:40	
ADONA	ng/L	0.74 U	2.0	06/02/24 17:40	
HFPO-DA	ng/L	1.7 U	2.0	06/02/24 17:40	
NEtFOSAA	ng/L	0.95 U	2.0	06/02/24 17:40	
NMeFOSAA	ng/L	1.6 U	2.0	06/02/24 17:40	
PFBS	ng/L	0.68 U	2.0	06/02/24 17:40	
PFDA	ng/L	0.99 U	2.0	06/02/24 17:40	
PFDoA	ng/L	1.5 U	2.0	06/02/24 17:40	
PFHpA	ng/L	1.0 U	2.0	06/02/24 17:40	
PFHxA	ng/L	1.3 U	2.0	06/02/24 17:40	
PFHxS	ng/L	0.75 U	2.0	06/02/24 17:40	
PFNA	ng/L	2.0 U	2.0	06/02/24 17:40	
PFOA	ng/L	0.89 U	2.0	06/02/24 17:40	
PFOS	ng/L	1.2 U	2.0	06/02/24 17:40	
PFTeDA	ng/L	1.9 U	2.0	06/02/24 17:40	
PFTrDA	ng/L	1.8 U	2.0	06/02/24 17:40	
PFUnA	ng/L	2.0 U	2.0	06/02/24 17:40	
13C2-PFDA (S)	%	90	70-130	06/02/24 17:40	
13C2-PFHxA (S)	%	90	70-130	06/02/24 17:40	
HFPO-DAS (S)	%	89	70-130	06/02/24 17:40	
NEtFOSAA-d5 (S)	%	90	70-130	06/02/24 17:40	

LABORATORY CONTROL SAMPLE: 5583341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11Cl-PF3OUdS	ng/L	151	144	95	70-130	
9Cl-PF3ONS	ng/L	150	152	102	70-130	
ADONA	ng/L	151	158	105	70-130	
HFPO-DA	ng/L	160	170	106	70-130	
NEtFOSAA	ng/L	160	161	101	70-130	
NMeFOSAA	ng/L	160	158	99	70-130	
PFBS	ng/L	142	142	100	70-130	
PFDA	ng/L	160	164	103	70-130	
PFDoA	ng/L	160	159	99	70-130	
PFHpA	ng/L	160	168	105	70-130	
PFHxA	ng/L	160	166	104	70-130	
PFHxS	ng/L	146	155	106	70-130	
PFNA	ng/L	160	168	105	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: 24-15398
Pace Project No.: 35882894

LABORATORY CONTROL SAMPLE: 5583341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PFOA	ng/L	160	164	103	70-130	
PFOS	ng/L	148	155	105	70-130	
PFTeDA	ng/L	160	152	95	70-130	
PFTrDA	ng/L	160	157	98	70-130	
PFUnA	ng/L	160	165	103	70-130	
13C2-PFDA (S)	%			108	70-130	
13C2-PFHxA (S)	%			107	70-130	
HFPO-DAS (S)	%			108	70-130	
NEtFOSAA-d5 (S)	%			103	70-130	

LABORATORY CONTROL SAMPLE: 5583342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11Cl-PF3OUdS	ng/L	1.9	1.8 I	93	50-150	
9Cl-PF3ONS	ng/L	1.9	1.9 I	100	50-150	
ADONA	ng/L	1.9	1.9 I	102	50-150	
HFPO-DA	ng/L	2	2.3	114	50-150	
NEtFOSAA	ng/L	2	2.3	114	50-150	
NMeFOSAA	ng/L	2	2.1	107	50-150	
PFBS	ng/L	1.8	1.8 I	104	50-150	
PFDA	ng/L	2	2.1	107	50-150	
PFDoA	ng/L	2	2.0	102	50-150	
PFHpA	ng/L	2	2.1	105	50-150	
PFHxA	ng/L	2	2.1	105	50-150	
PFHxS	ng/L	1.8	2.0 I	107	50-150	
PFNA	ng/L	2	2.1	107	50-150	
PFOA	ng/L	2	2.0	100	50-150	
PFOS	ng/L	1.9	2.1	115	50-150	
PFTeDA	ng/L	2	1.9 U	96	50-150	
PFTrDA	ng/L	2	1.9 I	97	50-150	
PFUnA	ng/L	2	2.0	101	50-150	
13C2-PFDA (S)	%			107	70-130	
13C2-PFHxA (S)	%			107	70-130	
HFPO-DAS (S)	%			106	70-130	
NEtFOSAA-d5 (S)	%			108	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5583343 5583344

Parameter	Units	20318929001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
11Cl-PF3OUdS	ng/L	ND	1.9	1.9	1.7 I	1.8 I	72	75	70-130		30	
9Cl-PF3ONS	ng/L	ND	1.9	1.9	1.9 I	1.9 I	93	90	70-130		30	
ADONA	ng/L	ND	1.9	1.9	2.0 I	2.0 I	102	101	70-130		30	
HFPO-DA	ng/L	ND	2	2	2.2	2.2	106	107	70-130	2	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: 24-15398
Pace Project No.: 35882894

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5583343 5583344

Parameter	Units	20318929001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
NEtFOSAA	ng/L	ND	2	2	2.4	2.1	113	97	70-130	13	30	
NMeFOSAA	ng/L	ND	2	2	2.1	2.2	98	98	70-130	2	30	
PFBS	ng/L	ND	1.8	1.8	2.0 I	2.1	113	115	70-130		30	
PFDA	ng/L	ND	2	2	2.0	2.1	96	96	70-130	2	30	
PFDoA	ng/L	ND	2	2	2.0 I	2.0 I	82	81	70-130		30	
PFHpA	ng/L	ND	2	2	2.1	2.2	102	105	70-130	4	30	
PFHxA	ng/L	ND	2	2	2.1	2.1	102	98	70-130	2	30	
PFHxS	ng/L	ND	1.8	1.9	2.2	2.1	119	109	70-130	6	30	
PFNA	ng/L	ND	2	2	2.1	2.2	100	102	70-130	3	30	
PFOA	ng/L	ND	2	2	2.0	2.0 I	97	96	70-130		30	
PFOS	ng/L	ND	1.9	1.9	2.2	2.1	110	106	70-130	1	30	
PFTeDA	ng/L	ND	2	2	1.9 U	2.0 U	61	64	70-130		30	J(M1)
PFTrDA	ng/L	ND	2	2	1.9 I	1.9 I	60	61	70-130		30	J(M1)
PFUnA	ng/L	ND	2	2	2.0 U	2.0 U	90	91	70-130		30	
13C2-PFDA (S)	%						105	107	70-130			
13C2-PFHxA (S)	%						107	108	70-130			
HFPO-DAS (S)	%						107	107	70-130			
NEtFOSAA-d5 (S)	%						102	105	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: 24-15398
Pace Project No.: 35882894

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-15398
Pace Project No.: 35882894

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35882894001	**24_29053**	EPA 537.1	1015910	EPA 537.1	1015970
35882894002	**24_29053 FB**	EPA 537.1	1015910	EPA 537.1	1015970

EDGE ANALYTICAL

Burlington, WA	Chromate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology(b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chem (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7602
Corvallis, OR	Microbiology/Chem (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946
Bend, OR	Microbiology/Chem (e)	20332 Empire Ave., Ste. F4	Bend, OR 97703	541.639.8425

Subcontract Work Order

Laboratory Name: Pace Analytical - Ormond Beach FL
8 East Tower Circle
Ormond Beach, FL 32174

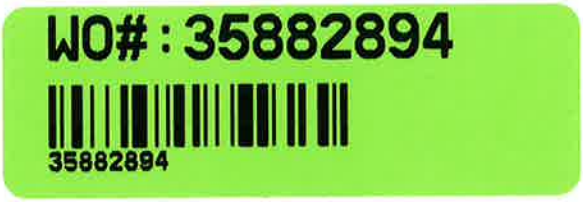
Project: 1108-013

Date: 5/30/2024
Reference Number: **24-15398**
Date Due: **6/27/2024**

Sample ID: **24_29053** Sample Origin: **AT** Matrix: **Source Water fo** Date Sampled: **5/27/2024 23:59**

Analyte Name	Units	PQL
Analytical Method: **537.1**	***Prep Method:***	
11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SULFONA	ng/L	
4,8-DIOXA-3H-PERFLUORONONANOIC ACID (DONA, ADONA	ng/L	
9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONI(	ng/L	
HEXAFLUOROPROPYLENE OXIDE DIMER (HFPO-DA/GENX)	ng/L	
N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC AC	ng/L	
N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC A	ng/L	
PERFLUOROBUTANESULFONIC ACID (PFBS)	ng/L	
PERFLUORODECANOIC ACID (PFDA)	ng/L	
PERFLUORODODECANOIC ACID (PFDOA)	ng/L	
PERFLUOROHEPTANOIC ACID (PFHPA)	ng/L	
PERFLUOROHEXANESULFONIC ACID (PFHXS)	ng/L	
PERFLUOROHEXANOIC ACID (PFHXA)	ng/L	
PERFLUORONONANOIC ACID (PFNA)	ng/L	
PERFLUOROOCTANESULFONIC ACID (PFOS)	ng/L	
PERFLUOROOCTANOIC ACID (PFOA)	ng/L	
PERFLUOROTETRADECANOIC ACID (PFTA)	ng/L	
PERFLUOROTRIDECANOIC ACID (PFTRDA)	ng/L	
PERFLUOROUNDECANOIC ACID (PFUnA)	ng/L	

Country of Origin:
Austria



Please send results to: subcontract@edgeanalytical.com

Relinc CJK 5/30/24 13:20
Date Time

JRS/Pace
Received By
5-31-24 1130
Date Time

Sa... Upon Receipt Form (SCUR)

WO# : 35882894
PM: MIM **Due Date: 06/20/24**
CLIENT: EDGANA

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents: DP
Label:
Deliver:
pH:

Thermometer Used: T423 Date: 5/31/24 Time: 1135 Initials: JRS

State of Origin:

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	1.6 (Visual)	+0.1 (Correction Factor)	1.9 (Actual)	☐Samples on ice, cooling process has begun.
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.
Recheck for OOT °C	(Visual)	(Correction Factor)	(Actual)	☐Samples on ice, cooling process has begun.

Time: Initials:

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

Shipping Method: ☐Standard Overnight ☐First Overnight ☐Priority Overnight ☐Ground ☐International Priority ☐Other:

Billing: ☐Recipient ☐Sender ☐Third Party ☐Credit Card ☐Unknown

Tracking # 7764 2984 3298

Custody Seal Present: ☐Yes ☐No Seal properly placed and intact: ☐Yes ☐No

Ice: ☐Wet ☐Blue ☐Dry ☐None ☐Melted

Packing Material: ☐Bubble Wrap ☐Bubble Bags ☐None ☐Other:

Samples shorted to lab: ☐Yes ☐No (If yes, complete the following)
Shorted Date: Shorted Time:
Bottle Quantity / Type:

Chain of Custody:	Present: ☐Yes ☐No | Filled Out: ☐Yes ☐No ☐N/A | Sampler Name: ☐Yes ☐No ☐N/A			
	Relinquished To Pace: ☐Yes ☐No ☐N/A | Sampling Date(s): ☐Yes ☐No ☐N/A | Sampling Time(s): ☐Yes ☐No ☐N/A			
Samples Arrived within Hold Time.	☐Yes	☐No	☐N/A	Comments:
Rush Turnaround Requested on COC.	☐Yes	☐No	☐N/A	Comments:
Sufficient Volume.	☐Yes	☐No	☐N/A	Comments:
Correct Containers Used.	☐Yes	☐No	☐N/A	Comments:
Containers Intact.	☐Yes	☐No	☐N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☐Yes	☐No	☐N/A	Comments:
All containers needing acid / base preservation have been checked.	☐Yes	☐No	☐N/A	Preservation Information: Preservative: Date: Lot / Trace: Time: Amount added (mL): Initials:
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☐Yes	☐No	☐N/A	
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☐N/A	
Trip Blank Present:	☐Yes	☐No	☐N/A	

Comments / Resolutions (use back for additional comments):

Labeled by: BLP Reviewed: ZMS Delivered by: ZMS

Pace Analytical™
www.pacelabs.com

Pace Analytical Services, LLC.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Client Services
Edge Analytical
1620 S. Walnut Street
Burlington WA 98233

REPORT OF LABORATORY ANALYSIS FOR 2,3,7,8-TCDD

Report Summary:

This report contains results of one drinking water sample analyzed to determine 2,3,7,8-TCDD content. This sample was analyzed according to Method 1613 by High Resolution Gas Chromatography/High Resolution Mass Spectrometry.

Report Prepared Date:

June 5, 2024

Report Information:

Pace Project #: 10694840
Sample Receipt Date: 05/31/2024
Client Project #: 24-15398
Client Sub PO #: N/A
State Cert #: N/A

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 Drinking Water Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Kirsten Hogberg, your Pace Project Manager.

This report has been reviewed by:

June 05, 2024

Kirsten Hogberg, Project Manager
(612) 607-6407
(612) 607-6444 (fax)
kirsten.hogberg@pacelabs.com

NELAP ACCREDITED TNI LABORATORY

Report of Laboratory Analysis

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
		Missouri	10100
A2LA	2926.01	Montana	CERT0092
Alabama	40770	Nebraska	NE-OS-18-06
Alaska-DW	MN00064	Nevada	MN00064
Alaska-UST	17-009	New Hampshire	2081
Arizona	AZ0014	New Jersey	MN002
Arkansas - WW	88-0680	New York	11647
Arkansas-DW	MN00064	North Carolina-	27700
California	2929	North Carolina-	530
Colorado	MN00064	North Dakota	R-036
Connecticut	PH-0256	Ohio-DW	41244
Florida	E87605	Ohio-VAP (170	CL101
Georgia	959	Ohio-VAP (180	CL110
Hawaii	MN00064	Oklahoma	9507
Idaho	MN00064	Oregon-Primary	MN300001
Illinois	200011	Oregon-Second	MN200001
Indiana	C-MN-01	Pennsylvania	68-00563
Iowa	368	Puerto Rico	MN00064
Kansas	E-10167	South Carolina	74003
Kentucky-DW	90062	Tennessee	TN02818
Kentucky-WW	90062	Texas	T104704192
Louisiana-DEQ	AI-84596	Utah	MN00064
Louisiana-DW	MN00064	Vermont	VT-027053137
Maine	MN00064	Virginia	460163
Maryland	322	Washington	C486
Michigan	9909	West Virginia-D	382
Minnesota	027-053-137	West Virginia-D	9952C
Minnesota-Ag	via MN 027-053	Wisconsin	999407970
Minnesota-Petr	1240	Wyoming-UST	via A2LA 2926.
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Reporting Flags

A = Reporting Limit based on signal to noise (EDL)

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

H2 = Extracted outside of holding time

I = Isotope ratio out of specification

J = Estimated value

L = Suppressive interference, analyte may be biased low

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

ANALYTICAL

Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology(b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chem (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology/Chem (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946
Bend, OR	Microbiology/Chem (e)	20332 Empire Ave., Ste. F4	Bend, OR 97703	541.639.8425

Subcontract Work Order

Laboratory Name: Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414

Project: **1108-013**

Date: 5/30/2024
Reference Number: **24-15398**
Date Due: **6/27/2024**

Sample ID: **24_29053** Sample Origin: **AT** Matrix: **Source Water fo** Date Sampled: **5/27/2024 23:59**

Analyte Name	Units	PQL
Analytical Method: **1613**	***Prep Method:***	
DIOXIN (2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN)	pg/L	5

Country of Origin:
Austria

WO# : 10694840

10694840

Please send results to: subcontract@edgeanalytical.com

Relinqu CJK 5/30/24 13:20

Date Time

Melissa Pace
Received By

5/31/24 10:10 3.5°C
Date Time

FORM: cSubCOC.rpt

ENV-FRM-MIN4-0150 v17_Sample Condition Upon Receipt

CLIENT NAME: Edge Analytical **PROJECT #:**

WO#: 10694840

PM: KNH **Due Date: 06/14/24**

CLIENT: Edge

COURIER: ☐ Client ☐ Commercial ☐ FedEx ☐ Pace ☐ SpeeDee ☒ UPS ☐ USPS

TRACKING NUMBER: 1Z 74W 47 13 4469 1433 ☐ See Exceptions form ENV-FRM-MIN4-0142

5/31/24

Custody Seal on Cooler/Box Present: ☒ YES ☐ NO **Seals Intact:** ☒ YES ☐ NO **Biological Tissue Frozen:** ☐ YES ☐ NO ☒ N/A

Packing Material: ☒ Bubble Bags ☒ Bubble Wrap ☐ None ☐ Other **Temp Blank:** ☐ YES ☒ NO **Type of Ice:** ☒ Blue ☐ Dry ☒ Wet ☐ Melted ☐ None

Thermometer: ☐ T1 (0461) ☐ T2 (0436) ☐ T3 (0459) ☒ T4 (0402) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9 (0727) ☐ 01339252 (1710)

Did Samples Originate in West Virginia: ☐ YES ☒ NO	**Were All Container Temps taken:** ☐ YES ☐ NO ☒ N/A
Correction Factor: -0.2 **Cooler Temp Read w/Temp Blank:** _____ °C **Cooler Temp Corrected w/Temp Blank:** _____ °C	**Average Corrected Temp (no Temp Blank Only):** 3.5 °C
NOTE: *Temp should be above freezing to 6°C.*	☒ See Exceptions Form ENV-FRM-MIN4-0142 ☐ 1 Container
USDA Regulated Soil: ☒ N/A – Water Sample/Other (describe): _____	**Initials & Date of Person Examining Contents:** KNM 5/31/24
Did Samples originate from one of the following states (check maps) – AL, AR, AZ, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA: ☐ YES ☐ NO	Did samples originate from a foreign source (international, including Hawaii and Puerto Rico): ☐ YES ☐ NO
NOTE: If YES to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.	

LOCATION (check one): ☐ DULUTH ☒ MINNEAPOLIS ☐ VIRGINIA	YES	NO	N/A	COMMENT(S)
Chain of Custody Present and Filled Out?	☒	☐		1.
Chain of Custody Relinquished?	☒	☐		2.
Sampler Name and/or Signature on COC?	☐	☒	☐	3.
Samples Arrived within Hold Time?	☐	☒		4. If Fecal: ☐ <8 hrs ☐ >8 hr, <24 hr ☐ No
Short Hold Time Analysis (<72 hr)?	☐	☒		5. ☐ BOD / cBOD ☐ Fecal coliform ☐ Hex Chrom ☐ HPC ☐ Nitrate ☐ Nitrite ☐ Ortho Phos ☐ Total coliform/*E. coli* ☐ Other: _____
Rush Turn Around Time Requested?	☐	☒		6.
Sufficient Sample Volume?	☒	☐		7.
Correct Containers Used? – Pace Containers Used?	☒ ☒	☐ ☐	☐	8.
Containers Intact?	☒	☐		9.
Field Filtered Volume Received for Dissolved Tests?	☐	☐	☒	10. Is sediment visible in the dissolved container: ☐ YES ☐ NO
Is sufficient information available to reconcile the samples to the COC? **NOTE:** If ID/Date/Time don't match fill out section 11. Matrix: ☐ Oil ☐ Soil ☒ Water ☐ Other	☒	☐		11. **If NO, write ID/Date/Time of container below:** No date/time on containers ☐ See Exceptions form ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐	☐	☒	12. Sample #:
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide)	☐	☐	☒	☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS	☒	☐	☐	Positive for Residual Chlorine: ☐ YES ☐ NO
NOTE: If adding preservation to the container, **verify with the PM first.** Clients may require adding preservative to the field and equipment blanks when this occurs.				**pH Paper Lot #**
				Residual Chlorine / 0-6 Roll / 0-6 Strip / 0-14 Strip
				☐ See Exceptions form ENV-FRM-MIN4-0142
Headspace in Methyl Mercury Container?	☐	☐	☒	13.
Extra labels present on soil VOA or WIDRO containers?	☐	☐	☒	14.
Headspace in VOA Vials (greater than 6mm)?	☐	☐	☒	☐ See Exceptions form ENV-FRM-MIN4-0140
Trip Blanks Present?	☐	☐	☒	15.
Trip Blank Custody Seals Present?	☐	☐	☒	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION / RESOLUTION **FIELD DATA REQUIRED:** ☐ YES ☐ NO

Person Contacted: _____ Date & Time: _____

Comments / Resolution: _____

Project Manager Review: Kirsten Hogberg **Date:** 5/31/2024

NOTE: *When there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).*

Labeled By: MNM **Line:** 5

Workorder #: 10694840

No Temp Blank		
Read Temp	Corrected Temp	Average temp
3.2	3.0	MNDC 5/31/24 3.4 3.5°C
3.2	3.0	
3.1	2.9	
5.1	4.9	

PM Notified of Out of Temp Cooler? ☐ YES ☐ NO

If yes, indicate who was contacted, date and time.
If no, indicate reason why.

Multiple Cooler Project? ☐ YES ☐ NO

If anything is OVER 6.0°C, you MUST document containers in this section HERE

Tracking Number	Temperature

Out of Temp Sample ID	Container Type	# of Containers

pH Adjustment Log for Preserved Samples

Sample ID	Type Of Preserve	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance After Addition? YES	In Compliance After Addition? NO	Initials
								☐	☐	
								☐	☐	
								☐	☐	
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								☐	☐	
								☐	☐	
								☐	☐	

Comments:

PaceAnalyticalServices,LLC.
1700ElmStreet
Minneapolis,MN,55414

Tel612-607-1700
Fax612-607-6444

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Sample ID.....24_29053
Client..... Edge Analytical
Lab Sample ID..... 10694840001

Date Collected.....05/27/2024
Date Received.....05/31/2024
Date Extracted.....06/03/2024

	Sample 24_29053	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	**ND**	ND	--	--
LOQ	5.0 pg/L	5.0 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	102%	103%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			1.1%	
IS Recovery	**80%**	89%	74%	84%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	**88%**	100%	77%	92%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	E240604B_17	E240604B_10	E240604B_08	E240604B_09
Analysis Date	06/04/2024	06/04/2024	06/04/2024	06/04/2024
Analysis Time	19:47	15:53	14:47	15:20
Analyst	SMT	SMT	SMT	SMT
Volume	0.988L	0.974L	0.980L	0.982L
Dilution	NA	NA	NA	NA
ICAL Date	04/17/2024	04/17/2024	04/17/2024	04/17/2024
CCAL Filename	E240604B_02	E240604B_02	E240604B_02	E240604B_02

! = Outside the Control Limits
ND = Not Detected
LOQ = Limit of Quantitation
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
RPD = Relative Percent Difference of Lab Spike Recoveries
IS = Internal Standard [2,3,7,8-TCDD- $^{13}C_{12}$]
CS = Cleanup Standard [2,3,7,8-TCDD- $^{37}Cl_4$]

Analyst: _____

Project No.....10694840

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

June 24, 2024

Results
Edge Analytical
1620 South Walnut Street
Burlington, WA 98233

RE: Project: 24-15398
Pace Project No.: 30688141

Dear Results:

Enclosed are the analytical results for sample(s) received by the laboratory on May 31, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carla Cmar
carla.cmar@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Karen Crowell, Edge Analytical
Server, Edge Analytical Laboratory

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

CERTIFICATIONS

Project: 24-15398
Pace Project No.: 30688141

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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

SAMPLE SUMMARY

Project: 24-15398
Pace Project No.: 30688141

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30688141001	**24_29053**	Drinking Water	05/27/24 23:59	05/31/24 10:00

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

SAMPLE ANALYTE COUNT

Project: 24-15398
Pace Project No.: 30688141

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30688141001	**24_29053**	SM 7500RnB-1996	REH1	1	PASI-PA
		EPA 900.0	KET	2	PASI-PA
		EPA 903.1	CLM	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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

PROJECT NARRATIVE

Project: 24-15398
Pace Project No.: 30688141

Method: **SM 7500RnB-1996**
Description: 7500RnB Radon
Client: EDGE Analytical Laboratories
Date: June 24, 2024

General Information:
1 sample was analyzed for SM 7500RnB-1996 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- 24_29053 (Lab ID: 30688141001)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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

PROJECT NARRATIVE

Project: 24-15398
Pace Project No.: 30688141

Method: **EPA 900.0**
Description: 900.0 Gross Alpha/Beta
Client: EDGE Analytical Laboratories
Date: June 24, 2024

General Information:
1 sample was analyzed for EPA 900.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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

PROJECT NARRATIVE

Project: 24-15398
Pace Project No.: 30688141

Method: **EPA 903.1**
Description: 903.1 Radium 226, DW
Client: EDGE Analytical Laboratories
Date: June 24, 2024

General Information:
1 sample was analyzed for EPA 903.1 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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

PROJECT NARRATIVE

Project: 24-15398
Pace Project No.: 30688141

Method: **EPA 904.0**
Description: 904.0 Radium 228, DW
Client: EDGE Analytical Laboratories
Date: June 24, 2024

General Information:
1 sample was analyzed for EPA 904.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 24-15398
Pace Project No.: 30688141

Sample: 24_29053 **Lab ID: 30688141001** Collected: 05/27/24 23:59 Received: 05/31/24 10:00 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments:
- We received a radon sample today that was out of hold. Our system will flag this sample as "out of hold" However, there is no hold time for radon in water and it is not a regulated parameter. There is only one reference for a hold-time for radon in water and it has a "recommended" hold-time of 4 days. Client COC indicates to run out of hold.
- Sample collection dates and times were not present on the sample containers.
- Received 2 X VG9U vials for radon analysis.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radon	SM 7500RnB-1996	**101.1 ± 44.0 (68.1) C:NA T:NA**	pCi/L	06/01/24 15:07	10043-92-2	H1
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**1.05 ± 1.17 (2.34) C:NA T:NA**	pCi/L	06/19/24 08:31	12587-46-1	
Gross Beta	EPA 900.0	**-0.262 ± 0.554 (1.45) C:NA T:NA**	pCi/L	06/19/24 08:31	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.152 ± 0.470 (0.912) C:NA T:96%**	pCi/L	06/22/24 12:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.960 ± 0.372 (0.639) C:88% T:80%**	pCi/L	06/20/24 11:31	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-15398
Pace Project No.: 30688141

QC Batch: 673632
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226, DW
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30688141001

METHOD BLANK: 3279283 Matrix: Drinking Water
Associated Lab Samples: 30688141001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.113 ± 0.221 (0.415) C:NA T:93%	pCi/L	06/22/24 12:33	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-15398
Pace Project No.: 30688141

QC Batch: 673633
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228, DW
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30688141001

METHOD BLANK: 3279285 Matrix: Drinking Water
Associated Lab Samples: 30688141001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.560 ± 0.382 (0.767) C:83% T:82%	pCi/L	06/20/24 11:27	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-15398
Pace Project No.: 30688141

QC Batch: 672442
QC Batch Method: SM 7500RnB-1996
Analysis Method: SM 7500RnB-1996
Analysis Description: 7500Rn B Radon
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30688141001

METHOD BLANK: 3273708 Matrix: Water
Associated Lab Samples: 30688141001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radon	10.2 ± 17.4 (29.4) C:NA T:NA	pCi/L	06/01/24 13:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-15398
Pace Project No.: 30688141

QC Batch: 673783
QC Batch Method: EPA 900.0
Analysis Method: EPA 900.0
Analysis Description: 900.0 Gross Alpha/Beta
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30688141001

METHOD BLANK: 3280054 Matrix: Water
Associated Lab Samples: 30688141001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.055 ± 0.722 (1.94) C:NA T:NA	pCi/L	06/19/24 08:31	
Gross Beta	0.116 ± 0.617 (1.50) C:NA T:NA	pCi/L	06/19/24 08:31	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 24-15398
Pace Project No.: 30688141

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.

REPORT OF LABORATORY ANALYSIS

ANALYTICAL

Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology(b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chem (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7602
Corvallis, OR	Microbiology/Chem (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946
Bend, OR	Microbiology/Chem (e)	20332 Empire Ave., Ste. F4	Bend, OR 97703	541.639.8425

Subcontract Work Order

Laboratory Name: PACE ANALYTICAL - Radiological Laboratory
1638 Roseytown Road
Greenburg, PA 15601

Project: **1108-013**

Date: 5/30/2024
Reference Number: **24-15398**
Date Due: **6/27/2024**

Sample ID: **24_29053** Sample Origin: **AT** Matrix: **Source Water fo** Date Sampled: **5/27/2024 23:59**

Analyte Name	Units	PQL
Analytical Method: **900.0**	***Prep Method:***	
GROSS ALPHA	pCi/L	
GROSS BETA	pCi/L	
Analytical Method: **903.1**	***Prep Method:***	
RADIUM 226	pCi/L	
Analytical Method: **904.0**	***Prep Method:***	
RADIUM 228	pCi/L	
Analytical Method: **SM7500-Rn B**	***Prep Method:***	
RADON Run out of hold	pCi/L	

Country of Origin: Austria

GROUND

001

WO# : 30688141

30688141

Received by Pace Greensburg
Therm ID ___ Corr Factor +/- ___
Receipt Temp ___
Corrected Temp ___
Correct Preservation (Y) N

Please send results to: subcontract@edgeanalytical.com

Relinqu CJK 5/30/24 13:20
Date Time

Received By
5/31/24 1000
Date Time

FORM: cSubCOC.rpt

DC#_Title: ENV-FRM-GBUR-0088 v07_Sampl... Greensburg

Effective Date: 01/04/2024

WO#: 30688141

PM: CMC Due Date: 06/21/24

CLIENT: EDGE

Client Name: Edge

Courier: ☐ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 1Z 741 W47 13 4574 4400

Initial / Date

Examined By: EJ 5/31/24

Labeled By: EJ 5/31/24

Temped By: —

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals Intact: ☑ Yes ☐ No

Thermometer Used: — Type of Ice: Wet Blue (None)

Cooler Temperature: Observed Temp — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

pH paper Lot# —

D.P.D. Residual Chlorine Lot # —

Comments:	Yes	No	NA	
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC:		✓		5. No sample collection date or time on sample vials
-Includes date/time/ID Matrix: DW				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation:			✓	16.
exceptions: VOA, coliform, TOC, O&G, Phenolics, (Radon) non-aqueous matrix				
All containers meet method preservation requirements:	✓			Initial when completed EJ / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)	✓			19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed JS / Date: 5/31/24 / Survey Meter SN: 2514080

Comments: Received 2x Radon vials

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office. PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

ANALYTICAL

Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology(b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chem (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7602
Corvallis, OR	Microbiology/Chem (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946
Bend, OR	Microbiology/Chem (e)	20332 Empire Ave., Ste. F4	Bend, OR 97703	541.639.8425

Subcontract Work Order

Laboratory Name: PACE ANALYTICAL - Radiological Laboratory
1638 Roseytown Road
Greenburg, PA 15601

Project: 1108-013

Date: 5/30/2024
Reference Number: **24-15398**
Date Due: **6/27/2024**

Sample ID: **24_29053** Sample Origin: **AT** Matrix: **Source Water fo** Date Sampled: **5/27/2024 23:59**

Analyte Name	Units	PQL
Analytical Method: **900.0** ***Prep Method:***		
GROSS ALPHA	pCi/L	
GROSS BETA	pCi/L	
Analytical Method: **903.1** ***Prep Method:***		
RADIUM 226	pCi/L	
Analytical Method: **904.0** ***Prep Method:***		
RADIUM 228	pCi/L	
Analytical Method: **SM7500-Rn B** ***Prep Method:***		
RADON Run out of hold ← NDA	pCi/L	

Country of Origin: Austria

001

Received by Pace Greensburg
Therm ID ___ Corr Factor +/- ___
Receipt Temp ___
Corrected Temp ___
Correct Preservation (Y) N

WO#: 30688141
PM: CMC **Due Date: 06/21/24**
CLIENT: EDGE

Please send results to: subcontract@edgeanalytical.com

Relinqu CJK 5/30/24 13:20
Date Time

Evan Laughlin 6/5/24 1100
Received By
Date Time

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-GBUR-0088 v07_Sam Greensburg	WO#: 30688141
	Effective Date: 01/04/2024	PM: CMC Due Date: 06/21/24
		CLIENT: EDGE

Client Name: Edge

Courier: ☐ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 1Z 741 W47 03 4599 1019

Initial / Date

Examined By: EL 6/5/24

Labeled By: EL 6/5/24

Temped By: —

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No **Seals Intact:** ☑ Yes ☐ No

Thermometer Used: — **Type of Ice:** Wet Blue (None)

Cooler Temperature: Observed Temp — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 10D2931 / D.P.D. Residual Chlorine Lot # —
Chain of Custody Present	✓			1.
Chain of Custody Filled Out: -Were client corrections present on COC	✓	✓		2.
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: DW		✓		5. No sample collection date or time on sample bottle labels
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used	✓	✓		10.
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	✓			16. pH<2
All containers meet method preservation requirements:	✓			Initial when completed EL / Date/Time of Preservation / Lot# of added Preservative
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed EL / Date: 6/5/24 / Survey Meter SN: 2504380

Comments: Received 2×BP1N + 1×BP2N

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680