

Compliance Designs

CLIENT: Boxed Water is Better
4433 Holland Avenue
Holland, MI 49424

DATE OF REPORT: Quarter 4, 2024
REPORT #: 1296-782
LABORATORY ID#: 65576, 583

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)	PURIFIED FINISHED PRODUCT (Produced from: Municipal Source) 1296-782 (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	ND
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	0.1	ND
Nitrite-N	1.0	0.1	ND
Total Nitrate & Nitrite-N	10	0.1	ND
Selenium	0.05	0.005	ND
Thallium	0.002	0.001	ND
Secondary Inorganics			
Alkalinity	--	1	3.9
Aluminum	0.2	0.010	ND
Boron	--	0.05	ND
Bromide	--	0.005	ND
Calcium	--	0.5	ND
Chloride	250 ³	0.1	0.5
Copper	1	0.005	ND
Corrosivity	--	--	-6.58
Electrical Conductivity	-- umho/cm	10	11.8
Foaming Agents (MBAS)	--	0.10	ND
Hardness, Total	--	10	ND
Iron	0.3 ³	0.050	ND
Magnesium	--	0.5	ND
Manganese	0.05 ³	0.001	ND
pH	See endnote ⁴	0.1	6.53
Phenol	0.001	0.001	ND
Potassium	--	1.0	ND
Silver	0.1	0.001	ND
Sodium	--	0.5	3.0
Sulfate	250	10	ND
TDS	500 ^{3,5}	10	11
Zinc	5 ³	0.005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	PURIFIED FINISHED PRODUCT (Produced from: Municipal Source) 1296-782 (mg/L)
Physical			
Color	15 ³ CU	5	ND
Odor	3 ³ TON	1	4.50*
Turbidity	5 NTU	0.10	0.42
Microbiological			
Total Coliform	Absence	1	ND
Radiologicals			
Gross Alpha	15 pCi/L	1.88	ND
Gross Beta	50 pCi/L ⁵	1.45	ND
Radium 226/228	5 pCi/L	0.686/0.718	ND / ND
Uranium	0.030	0.001	ND
Radon	-- pCi/L	149	ND
Volatile Organic Compounds EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	0.0132
Benzene	0.005	0.0005	ND
Bromobenzene	--	0.0005	ND
Bromochloromethane	--	0.0005	ND
Bromodichloromethane	--	0.0005	0.0016
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	0.0116
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
1,3-Dichloropropylene, Total	--	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)	PURIFIED FINISHED PRODUCT (Produced from: Municipal Source) 1296-782 (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)	PURIFIED FINISHED PRODUCT (Produced from: Municipal Source) 1296-782 (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)	PURIFIED FINISHED PRODUCT (Produced from: Municipal Source) 1296-782 (mg/L)
EPA 1613: 2,3,7,8-TCDD (DIOXIN)	3x10-8	5.0x10-9	ND
Disinfection Byproducts			
EPA 300.1: Bromate	0.010	0.001	ND
EPA 300.1B: Chlorite	1.0	0.010	ND
EPA 552.3:			
Dibromoacetic acid	--	0.001	ND
Dichloroacetic acid	--	0.001	ND
Monobromoacetic acid	--	0.001	ND
Monochloroacetic acid	--	0.002	ND
Trichloroacetic acid	--	0.001	ND
Haloacetic Acids, Total	0.060	0.001	ND
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	0.0132
Bromodichloromethane	--	0.0005	0.0016
Bromoform	--	0.0005	ND
Chloroform	--	0.0005	0.0116
Chlorodibromomethane	--	0.0005	ND
Residual Disinfectants			
SM4500-CL G:			
Residual Chlorine, Total	4.0	0.05	ND
Chloramines	4.0	0.05	ND
SM4500-CIO2-D:			
Chlorine Dioxide	0.8	0.1	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.

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).

Certificate of Compliance

This is to certify that

EUROFINS EDGE ANALYTICAL,
An Accredited Drinking Water Laboratory,
Certification number 046, has completed the analysis of

BOXED WATER IS BETTER

“Purified FP from Municipal Source Line: 1”

on December 31, 2024, according to the FDA testing requirements for bottled drinking water.
All parameters were found to be in compliance with 21 CFR 165 and 21 CFR 129
published limits for bottled drinking water.



Environment Testing
Edge Analytical

A handwritten signature in blue ink that reads "Pat Miller".

Deputy QA Officer
24-34849



Environment Testing
Edge Analytical

Burlington, WA (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

December 31, 2024

Page 1 of 1

Justine Deschuiteneer
Boxed Water is Better
4433 Holland Avenue
Holland, MI 49424

RE: 24-34849 - 1296-782 50 State Purified FP

Dear Justine Deschuiteneer,

Your project: 1296-782 50 State Purified FP, was received on Thursday November 21, 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

Patrick Miller, MS
Deputy QA Officer

Enclosures: Data Report
QC Reports
Chain of Custody

BOTTLED WATER STANDARD OF QUALITY REPORT

Client Name: **Boxed Water is Better**
4433 Holland Avenue
Holland, MI 49424

Reference Number: **24-34849**

Authorized by:


Patrick Miller, MS
Deputy QA Officer

Project: 1296-782 50 State Purified FP
Field ID: 1296-782
Sample Description: Purified FP from Municipal Source Line: 1
Sampled By:
Sample Date: 11/25/2024

Lab Number: **67144**
Report Date: 12/31/2024
Sampled Comment:
Approved By: anp,bj,dcs,ma,mcs,nml,pd
m,spm2

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	ND	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	200.8	a	
7440-02-0	NICKEL	ND	0.1	0.001	mg/L	200.8	a	
14797-55-8	NITRATE-N	ND	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	ND	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.

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	0.5	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	ND	250	10	mg/L	300.0	a	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	13	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	

Notation:

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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	
103-23-1	DI(2-ETHYLHEXYL)-ADIPATE	ND	400	0.6	ug/L	525.2	a	
117-81-7	DI(2-ETHYLHEXYL)-PHTHALATE	ND	6	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	
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		2.0	ng/L	537.1		Analyzed by Pace - FL
13252-13-6	HEXAFLUOROPROPYLENE OXIDE DIMER (HFPO-DA/GENX)	ND		2.0	ng/L	537.1		
919005-14-4	4,8-DIOXA-3H-PERFLUORONONANOIC ACID (DONA, ADONA)	ND		2.0	ng/L	537.1		
756426-58-1	9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC ACID (F-53B MAJOR)	ND		2.0	ng/L	537.1		
2991-50-6	N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (NETFOSAA)	ND		2.0	ng/L	537.1		
2355-31-9	N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (NMEFOSAA)	ND		2.0	ng/L	537.1		
375-73-5	PERFLUOROBUTANESULFONIC ACID (PFBS)	ND		2.0	ng/L	537.1		
335-76-2	PERFLUORODECANOIC ACID (PFDA)	ND		2.0	ng/L	537.1		
307-55-1	PERFLUORODODECANOIC ACID (PFDOA)	ND		2.0	ng/L	537.1		
375-85-9	PERFLUOROHEPTANOIC ACID (PFHPA)	ND		2.0	ng/L	537.1		
355-46-4	PERFLUOROHEXANESULFONIC ACID (PFHXS)	ND		2.0	ng/L	537.1		
307-24-4	PERFLUOROHEXANOIC ACID (PFHXA)	ND		2.0	ng/L	537.1		
375-95-1	PERFLUORONONANOIC ACID (PFNA)	ND		2.0	ng/L	537.1		
1763-23-1	PERFLUOROOCTANESULFONIC ACID (PFOS)	ND		2.0	ng/L	537.1		
335-67-1	PERFLUOROOCTANOIC ACID (PFOA)	ND		2.0	ng/L	537.1		
376-06-7	PERFLUOROTETRADECANOIC ACID (PFTA)	ND		2.0	ng/L	537.1		
72629-94-8	PERFLUOROTRIDECANOIC ACID (PFTRDA)	ND		2.0	ng/L	537.1		
2058-94-8	PERFLUOROUNDECANOIC ACID (PFUnA)	ND		2.0	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)	6.53			pH Units	150.1	a	Temp (C) :20.9
NA	TASTE	ND		1	FTN	SM2160 B	a	
NA	MBAS (Surfactants)	ND		0.10	mg/L	SM5540 C		Analyzed By Eurofins Pom CA
E-11712	COLOR	ND	15	5	COLOR UNIT	SM2120 B	a	pH: 6
E-11734	ODOR	4.50	3	1	TON	SM2150	a	Temperature: 41.0 C
E-10617	TURBIDITY	0.42	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
15541-45-4	BROMATE	ND	0.010	0.001	mg/L	300.1	a	
10049-04-4	CHLORINE DIOXIDE	ND		0.10	mg/L	SM4500-CIO2 D	a	
7758-19-2	CHLORITE	ND	1.00	0.010	mg/L	300.1	a	
	CHLORAMINES TOTAL	ND	4.0	0.05	mg/L	SM4500-CI G	a	
7782-50-5	FREE CHLORINE RESIDUAL	ND	0.1	0.05	mg/L	SM4500-CI G	a	
NA	HAA(5)	ND	60	1	ug/L	552.3	a	Field Duplicate HAA(5) = ND
79-43-6	DICHLOROACETIC ACID	ND		1	ug/L	552.3	a	
76-03-9	TRICHLOROACETIC ACID	ND		1	ug/L	552.3	a	
631-64-1	DIBROMOACETIC ACID	ND		1	ug/L	552.3	a	
79-11-8	MONOCHLOROACETIC ACID	ND		2	ug/L	552.3	a	
79-08-3	MONOBROMOACETIC ACID	ND		1	ug/L	552.3	a	
E-14471	TOTAL TRIHALOMETHANE	13.2	10	0.5	ug/L	524.2	a	Field Duplicate: 13.3 ug/L
75-27-4	BROMODICHLOROMETHANE	1.6		0.5	ug/L	524.2	a	
124-48-1	CHLORODIBROMOMETHANE	ND		0.5	ug/L	524.2	a	
67-66-3	CHLOROFORM	11.6		0.5	ug/L	524.2	a	
75-25-2	BROMOFORM	ND		0.5	ug/L	524.2	a	

Notation:

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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	ND	5		pCi/L	904.0		
7440-61-1	URANIUM	ND	0.030	0.001	mg/L	200.8	a	
14859-67-7	RADON	ND			pCi/L	SM7500-Rn B		Analyzed by PacePA

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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	ND		10	mg CaCO3/L	200.7	a	
E-14506	ALKALINITY	3.9		1	mg CaCO3/L	SM2320 B	a	
NA	CORROSIVITY	-6.58			SI	SM203	a	

Notation:

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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 .

Data Report

Client Name: **Boxed Water is Better**
4433 Holland Avenue
Holland, MI 49424

Reference Number: **24-34849**
Project: **1296-782 50 State Purified FP**

Report Date: **12/31/24**

Date Received: **11/21/24**

Approved by: **anp,bj,spm2**

Authorized by:



Patrick Miller, MS
Deputy QA Officer

Sample Description: 1296-782 Purified FP from Municipal Source Line: 1								Matrix BP	Sample Date: 11/25/24 9:30 am			
Lab Number: 67144		Sample Comment:						Collected By:				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7440-42-8	BORON	ND	0.050	0.02	mg/L	1.0	200.7	a	11/26/24	BJ	200.7_241126B5	
7440-70-2	CALCIUM	ND	0.5	0.02	mg/L	1.0	200.7	a	11/26/24	BJ	200.7_241126B5	
7439-95-4	MAGNESIUM	ND	0.5	0.011	mg/L	1.0	200.7	a	11/26/24	BJ	200.7_241126B5	
7440-23-5	SODIUM	3.0	0.5	0.1	mg/L	1.0	200.7	a	11/26/24	BJ	200.7_241126B5	
7440-09-7	POTASSIUM	ND	1.0	0.2	mg/L	1.0	200.7	a	11/26/24	BJ	200.7_241126B5	
24959-67-9	BROMIDE	ND	0.005	0.00044	mg/L	1.0	300.1	a	12/4/24	EBVP	300.1_241204A	
E-10184	ELECTRICAL CONDUCTIVITY	11	10		uS/cm	1.0	SM2510 B	a	11/27/24	ATH	EC_241127R	
	TOTAL COLIFORM For Taste Test	ABSENT	P/A		per 100mL	1.0	SM9223 B/Colilert-18	a	11/26/24	BJ	M_241125BUR	

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.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
Calibration Check									
1677_241203	0 CYANIDE	0.105	0.100	mg/L	OIA-1677-DW	105	90-110	CAL	
200.7_241126B5	2 HARDNESS	71.8	72.8	mg/L	200.7	99	90-110	CAL	
	2 ALUMINUM	1.01	1	mg/L	200.7	101	90-110	CAL	
	2 IRON	1.01	1	mg/L	200.7	101	90-110	CAL	
	2 BORON	1	1	mg/L	200.7	100	90-110	CAL	
	2 CALCIUM	11.1	11	mg/L	200.7	101	90-110	CAL	
	2 MAGNESIUM	10.7	11	mg/L	200.7	97	90-110	CAL	
	2 POTASSIUM	9.7	10	mg/L	200.7	97	90-110	CAL	
	2 SODIUM	10.9	11	mg/L	200.7	99	90-110	CAL	
200.8_241205A5	0 URANIUM	0.0008	0.001	mg/L	200.8	80	80-120	CAL	
	0 COPPER	0.00105	0.001	mg/L	200.8	105	80-120	CAL	
	0 MANGANESE	0.00099	0.001	mg/L	200.8	99	80-120	CAL	
	0 SILVER	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 ZINC	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	0 ANTIMONY	0.001	0.001	mg/L	200.8	100	80-120	CAL	
	0 ARSENIC	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
	0 BARIUM	0.00096	0.001	mg/L	200.8	96	80-120	CAL	
	0 BERYLLIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 CADMIUM	0.00098	0.001	mg/L	200.8	98	80-120	CAL	
	0 CHROMIUM	0.00097	0.001	mg/L	200.8	97	80-120	CAL	
	0 LEAD	0.00091	0.001	mg/L	200.8	91	80-120	CAL	
	0 NICKEL	0.00101	0.001	mg/L	200.8	101	80-120	CAL	
	0 SELENIUM	0.00089	0.001	mg/L	200.8	89	80-120	CAL	
	0 THALLIUM	0.00093	0.001	mg/L	200.8	93	80-120	CAL	
200.8_241205HB	0 MERCURY	0.000108	0.0001	mg/L	200.8	108	80-120	CAL	
300.1_241204A	0 BROMATE	0.0010	0.001	mg/L	300.1	100	75-125	CAL	
	0 CHLORITE	0.0010	0.001	mg/L	300.1	100	75-125	CAL	
	0 BROMIDE	0.0010	0.001	mg/L	300.1	100	75-125	CAL	
	1 BROMATE	0.0048	0.005	mg/L	300.1	96	75-125	CAL	
	1 CHLORITE	0.0049	0.005	mg/L	300.1	98	75-125	CAL	
	1 BROMIDE	0.0050	0.005	mg/L	300.1	100	75-125	CAL	
	3 BROMATE	0.0157	0.015	mg/L	300.1	105	75-125	CAL	
	3 CHLORITE	0.0155	0.015	mg/L	300.1	103	75-125	CAL	
	3 BROMIDE	0.0162	0.015	mg/L	300.1	108	75-125	CAL	
	4 BROMATE	0.0519	0.05	mg/L	300.1	104	75-125	CAL	
	4 CHLORITE	0.0519	0.05	mg/L	300.1	104	75-125	CAL	
	4 BROMIDE	0.0531	0.05	mg/L	300.1	106	75-125	CAL	
549_241125	0 DIQUAT	18.1	20	ug/L	549.2	91	80-120	CAL	
EC_241127R	0 ELECTRICAL CONDUCTIVITY	11	10	uS/cm	SM2510 B	110	85-115	CAL	
IC06_241125A	0 CHLORIDE	1	1	mg/L	300.0	100	90-110	CAL	
	0 SULFATE	2	2	mg/L	300.0	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.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
IC06_241125A	0 FLUORIDE	0.98	1	mg/L	300.0	98	90-110		CAL	
	0 NITRATE-N	1.01	1	mg/L	300.0	101	90-110		CAL	
	0 NITRITE-N	0.99	1	mg/L	300.0	99	90-110		CAL	
	0 TOTAL NITRATE+NITRITE as N	2	2	mg/L	300.0	100	90-110		CAL	
Turb_241125	0 TURBIDITY	9.72	10	NTU	180.1	97	90-110		CAL	
	1 TURBIDITY	0.12	0.1	NTU	180.1	120	90-110		CAL	
	2 TURBIDITY	9.66	10	NTU	180.1	97	90-110		CAL	
	3 TURBIDITY	9.21	10	NTU	180.1	92	90-110		CAL	
	4 TURBIDITY	9.20	10	NTU	180.1	92	90-110		CAL	
	5 TURBIDITY	9.29	10	NTU	180.1	93	90-110		CAL	
	6 TURBIDITY	9.21	10	NTU	180.1	92	90-110		CAL	
Low-Level Continuing Calibration Verification										
549_241125	2 DIQUAT	0.53	0.4	ug/L	549.2	133	50-150		LCCV	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
Laboratory Fortified Blank									
200.7_241126B5	1 HARDNESS	89.2	86	mg/L	200.7	104	85-115	LFB	
	1 ALUMINUM	0.518	0.5	mg/L	200.7	104	85-115	LFB	
	1 IRON	0.506	0.5	mg/L	200.7	101	85-115	LFB	
	1 BORON	0.512	0.5	mg/L	200.7	102	85-115	LFB	
	1 CALCIUM	13.8	13	mg/L	200.7	106	85-115	LFB	
	1 MAGNESIUM	13.3	13	mg/L	200.7	102	85-115	LFB	
	1 POTASSIUM	17.3	17.5	mg/L	200.7	99	85-115	LFB	
	1 SODIUM	13.5	13	mg/L	200.7	104	85-115	LFB	
200.8_241205A5	0 URANIUM	0.0096	0.01	mg/L	200.8	96	85-115	LFB	
	0 COPPER	0.0101	0.01	mg/L	200.8	101	85-115	LFB	
	0 MANGANESE	0.0106	0.01	mg/L	200.8	106	85-115	LFB	
	0 SILVER	0.0102	0.01	mg/L	200.8	102	85-115	LFB	
	0 ZINC	0.0101	0.01	mg/L	200.8	101	85-115	LFB	
	0 ANTIMONY	0.0097	0.01	mg/L	200.8	97	85-115	LFB	
	0 ARSENIC	0.0101	0.01	mg/L	200.8	101	85-115	LFB	
	0 BARIUM	0.01	0.01	mg/L	200.8	100	85-115	LFB	
	0 BERYLLIUM	0.0096	0.01	mg/L	200.8	96	85-115	LFB	
	0 CADMIUM	0.0098	0.01	mg/L	200.8	98	85-115	LFB	
	0 CHROMIUM	0.0104	0.01	mg/L	200.8	104	85-115	LFB	
	0 LEAD	0.0096	0.01	mg/L	200.8	96	85-115	LFB	
	0 NICKEL	0.0109	0.01	mg/L	200.8	109	85-115	LFB	
	0 SELENIUM	0.0101	0.01	mg/L	200.8	101	85-115	LFB	
	0 THALLIUM	0.0096	0.01	mg/L	200.8	96	85-115	LFB	
200.8_241205HB	0 MERCURY	0.000535	0.0005	mg/L	200.8	107	85-115	LFB	
504_241125	0 1,2 - DIBROMOETHANE (EDB)	0.22	0.25	ug/L	504.1	88	70-130	LFB	
	0 1,2,3 - TRICHLOROPROPANE	0.24	0.25	ug/L	504.1	96	70-130	LFB	
	0 1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.23	0.25	ug/L	504.1	92	70-130	LFB	
508_241127	0 CHLORDANE	0.16	0.2	ug/L	508.1	80	70-130	LFB	
515_241127	0 2,4 - D	0.437	0.5	ug/L	515.4	87	70-130	LFB	
	0 2,4,5 - TP (SILVEX)	0.482	0.5	ug/L	515.4	96	70-130	LFB	
	0 DICAMBA	0.489	0.5	ug/L	515.4	98	70-130	LFB	
	0 DINOSEB	0.505	0.5	ug/L	515.4	101	70-130	LFB	
	0 PENTACHLOROPHENOL	0.483	0.5	ug/L	515.4	97	70-130	LFB	
	0 PICLORAM	0.443	0.5	ug/L	515.4	89	70-130	LFB	
	1 2,4 - D	2.59	2.5	ug/L	515.4	104	70-130	LFB	
	1 2,4,5 - TP (SILVEX)	2.53	2.5	ug/L	515.4	101	70-130	LFB	
	1 DALAPON	2.48	2.5	ug/L	515.4	99	70-130	LFB	
	1 DICAMBA	2.51	2.5	ug/L	515.4	100	70-130	LFB	
	1 DINOSEB	2.48	2.5	ug/L	515.4	99	70-130	LFB	
	1 PENTACHLOROPHENOL	2.50	2.5	ug/L	515.4	100	70-130	LFB	
	1 PICLORAM	2.61	2.5	ug/L	515.4	104	70-130	LFB	
524_241203	0 1,1 - DICHLOROETHANE	10.3	10	ug/L	524.2	103	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.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
Laboratory Fortified Blank									
524_241203	0 1,1 - DICHLOROPROPENE	10.7	10	ug/L	524.2	107	70-130	LFB	
	0 1,1,1,2 - TETRACHLOROETHANE	10.0	10	ug/L	524.2	100	70-130	LFB	
	0 1,1,2,2 - TETRACHLOROETHANE	9.2	10	ug/L	524.2	92	70-130	LFB	
	0 1,2,3 - TRICHLOROBENZENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 1,2,3 - TRICHLOROPROPANE	9.1	10	ug/L	524.2	91	70-130	LFB	
	0 1,2,4 - TRIMETHYLBENZENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 1,3 - DICHLOROPROPANE	10.4	10	ug/L	524.2	104	70-130	LFB	
	0 1,3,5 - TRIMETHYLBENZENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 2,2 - DICHLOROPROPANE	12.7	10	ug/L	524.2	127	70-130	LFB	
	0 BROMOBENZENE	9.4	10	ug/L	524.2	94	70-130	LFB	
	0 BROMOCHLOROMETHANE	10.6	10	ug/L	524.2	106	70-130	LFB	
	0 BROMOMETHANE	10.9	10	ug/L	524.2	109	70-130	LFB	
	0 CHLOROETHANE	10.3	10	ug/L	524.2	103	70-130	LFB	
	0 CHLOROMETHANE	10.4	10	ug/L	524.2	104	70-130	LFB	
	0 CIS - 1,3 - DICHLOROPROPENE	10.8	10	ug/L	524.2	108	70-130	LFB	
	0 DIBROMOMETHANE	10.4	10	ug/L	524.2	104	70-130	LFB	
	0 DICHLORODIFLUOROMETHANE	12.0	10	ug/L	524.2	120	70-130	LFB	
	0 HEXACHLOROBUTADIENE	9.7	10	ug/L	524.2	97	70-130	LFB	
	0 ISOPROPYLBENZENE	9.7	10	ug/L	524.2	97	70-130	LFB	
	0 M - DICHLOROBENZENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 M/P - XYLENE	19.5	20	ug/L	524.2	98	70-130	LFB	
	0 METHYL TERT-BUTYL ETHER	9.7	10	ug/L	524.2	97	70-130	LFB	
	0 N - BUTYLBENZENE	10.1	10	ug/L	524.2	101	70-130	LFB	
	0 N - PROPYLBENZENE	9.9	10	ug/L	524.2	99	70-130	LFB	
	0 NAPHTHALENE	9.7	10	ug/L	524.2	97	70-130	LFB	
	0 O - CHLOROTOLUENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 O - XYLENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 P - CHLOROTOLUENE	9.6	10	ug/L	524.2	96	70-130	LFB	
	0 P - ISOPROPYLTOLUENE	9.9	10	ug/L	524.2	99	70-130	LFB	
	0 SEC - BUTYLBENZENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 TERT - BUTYLBENZENE	9.8	10	ug/L	524.2	98	70-130	LFB	
	0 TRANS- 1,3 - DICHLOROPROPENE	10.3	10	ug/L	524.2	103	70-130	LFB	
	0 TRICHLOROFUOROMETHANE	10.8	10	ug/L	524.2	108	70-130	LFB	
	0 BROMODICHLOROMETHANE	10.4	10	ug/L	524.2	104	70-130	LFB	
	0 BROMOFORM	8.6	10	ug/L	524.2	86	70-130	LFB	
	0 CHLORODIBROMOMETHANE	10.0	10	ug/L	524.2	100	70-130	LFB	
	0 CHLOROFORM	10.7	10	ug/L	524.2	107	70-130	LFB	
	0 1,1 - DICHLOROETHYLENE	10.7	10	ug/L	524.2	107	70-130	LFB	
	0 1,1,1 - TRICHLOROETHANE	10.2	10	ug/L	524.2	102	70-130	LFB	
	0 1,1,2 - TRICHLOROETHANE	10.2	10	ug/L	524.2	102	70-130	LFB	
	0 1,2 - DICHLOROETHANE	10.5	10	ug/L	524.2	105	70-130	LFB	
	0 1,2 - DICHLOROPROPANE	10.3	10	ug/L	524.2	103	70-130	LFB	
	0 1,2,4 - TRICHLOROBENZENE	9.7	10	ug/L	524.2	97	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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Fortified Blank										
524_241203	0 BENZENE	10.4	10	ug/L	524.2	104	70-130			LFB
	0 CARBON TETRACHLORIDE	10.6	10	ug/L	524.2	106	70-130			LFB
	0 CIS - 1,2 - DICHLOROETHYLENE	10.7	10	ug/L	524.2	107	70-130			LFB
	0 DICHLOROMETHANE	10.6	10	ug/L	524.2	106	70-130			LFB
	0 ETHYLBENZENE	9.8	10	ug/L	524.2	98	70-130			LFB
	0 MONOCHLOROENZENE	10.0	10	ug/L	524.2	100	70-130			LFB
	0 O - DICHLOROENZENE	9.6	10	ug/L	524.2	96	70-130			LFB
	0 P - DICHLOROENZENE	9.5	10	ug/L	524.2	95	70-130			LFB
	0 STYRENE	9.7	10	ug/L	524.2	97	70-130			LFB
	0 TETRACHLOROETHYLENE	10.4	10	ug/L	524.2	104	70-130			LFB
	0 TOLUENE	10.3	10	ug/L	524.2	103	70-130			LFB
	0 TRANS - 1,2 - DICHLOROETHYLENE	10.5	10	ug/L	524.2	105	70-130			LFB
	0 TRICHLOROETHYLENE	10.4	10	ug/L	524.2	104	70-130			LFB
	0 VINYL CHLORIDE	10.3	10	ug/L	524.2	103	70-130			LFB
525_241127	0 ALACHLOR	2.51	2	ug/L	525.2	126	70-130			LFB
	0 ALDRIN	1.04	1	ug/L	525.2	104	70-130			LFB
	0 ATRAZINE	2.53	2	ug/L	525.2	127	70-130			LFB
	0 BUTACHLOR	1.19	1	ug/L	525.2	119	70-130			LFB
	0 DI(2-ETHYLHEXYL)-ADIPATE	1.07	1	ug/L	525.2	107	70-130			LFB
	0 DI(2-ETHYLHEXYL)-PHTHALATE	1.13	1	ug/L	525.2	113	70-130			LFB
	0 DIELDRIN	1.11	1	ug/L	525.2	111	70-130			LFB
	0 HEPTACHLOR EPOXIDE "B"	1.12	1	ug/L	525.2	112	70-130			LFB
	0 METOLACHLOR	1.23	1	ug/L	525.2	123	70-130			LFB
	0 METRIBUZIN	0.68	1	ug/L	525.2	68	70-130	LR		LFB
	0 PROPACHLOR	1.22	1	ug/L	525.2	122	70-130			LFB
	0 SIMAZINE	0.92	1	ug/L	525.2	92	70-130			LFB
531_241125	0 3-HYDROXYCARBOFURAN	21.7	20	ug/L	531.2	109	70-130			LFB
	0 ALDICARB	21.3	20	ug/L	531.2	107	70-130			LFB
	0 ALDICARB SULFONE	22.0	20	ug/L	531.2	110	70-130			LFB
	0 ALDICARB SULFOXIDE	22.2	20	ug/L	531.2	111	70-130			LFB
	0 CARBARYL	21.1	20	ug/L	531.2	106	70-130			LFB
	0 CARBOFURAN	21.4	20	ug/L	531.2	107	70-130			LFB
	0 METHOMYL	21.6	20	ug/L	531.2	108	70-130			LFB
	0 OXAMYL (VYDATE)	22.0	20	ug/L	531.2	110	70-130			LFB
547_241211	0 GLYPHOSATE	21.3	20	ug/L	547	107	81-126			LFB
	1 GLYPHOSATE	37.6	40	ug/L	547	94	81-126			LFB
	2 GLYPHOSATE	20.3	20	ug/L	547	102	81-126			LFB
548_241125	0 ENDOTHALL	14.6	20	ug/L	548.1	73	50-121			LFB
549_241125	0 DIQUAT	17.5	20	ug/L	549.2	88	70-130			LFB
552_241204	3 DIBROMOACETIC ACID	13.3	12.5	ug/L	552.3	106	70-130			LFB
	3 DICHLOROACETIC ACID	13.0	12.5	ug/L	552.3	104	70-130			LFB
	3 MONOBROMOACETIC ACID	14.1	12.5	ug/L	552.3	113	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



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Comment
Laboratory Fortified Blank									
552_241204	3 MONOCHLOROACETIC ACID	14.5	12.5	ug/L	552.3	116	70-130	LFB	
	3 TRICHLOROACETIC ACID	13.3	12.5	ug/L	552.3	106	70-130	LFB	
	4 DIBROMOACETIC ACID	28.7	25	ug/L	552.3	115	70-130	LFB	
	4 DICHLOROACETIC ACID	26.3	25	ug/L	552.3	105	70-130	LFB	
	4 MONOBROMOACETIC ACID	28.6	25	ug/L	552.3	114	70-130	LFB	
	4 MONOCHLOROACETIC ACID	28.1	25	ug/L	552.3	112	70-130	LFB	
	4 TRICHLOROACETIC ACID	28.4	25	ug/L	552.3	114	70-130	LFB	
ALK_241202	0 ALKALINITY	100	100	mg CaCO3/ISM2320 B		100	90-110	LFB	
EC_241127R	0 ELECTRICAL CONDUCTIVITY	105	100	uS/cm	SM2510 B	105	90-110	LFB	

*Notation:

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
Low-Level Lab Fortified Blank									
504_241125	1 1,2 - DIBROMOETHANE (EDB)	0.006	0.01	ug/L	504.1	60	60-140	LLFB	
	1 1,2,3 - TRICHLOROPROPANE	0.007	0.01	ug/L	504.1	70	60-140	LLFB	
	1 1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.008	0.01	ug/L	504.1	80	60-140	LLFB	
515_241127	0 2,4 - D	0.103	0.1	ug/L	515.4	103	50-150	LLFB	
	0 2,4,5 - TP (SILVEX)	0.106	0.1	ug/L	515.4	106	50-150	LLFB	
	0 DALAPON	0.521	0.5	ug/L	515.4	104	50-150	LLFB	
	0 DICAMBA	0.107	0.1	ug/L	515.4	107	50-150	LLFB	
	0 DINOSEB	0.091	0.1	ug/L	515.4	91	50-150	LLFB	
	0 PENTACHLOROPHENOL	0.099	0.1	ug/L	515.4	99	50-150	LLFB	
	0 PICLORAM	0.121	0.1	ug/L	515.4	121	50-150	LLFB	
	1 PENTACHLOROPHENOL	0.044	0.04	ug/L	515.4	110	50-150	LLFB	
525_241127	0 ALACHLOR	0.20	0.2	ug/L	525.2	100	50-150	LLFB	
	0 ALDRIN	0.11	0.1	ug/L	525.2	110	50-150	LLFB	
	0 ATRAZINE	0.23	0.2	ug/L	525.2	115	50-150	LLFB	
	0 BUTACHLOR	0.09	0.1	ug/L	525.2	90	50-150	LLFB	
	0 DI(2-ETHYLHEXYL)-ADIPATE	0.46	0.5	ug/L	525.2	92	50-150	LLFB	
	0 DI(2-ETHYLHEXYL)-PHTHALATE	0.70	0.5	ug/L	525.2	140	50-150	LLFB	
	0 DIELDRIN	0.13	0.1	ug/L	525.2	130	50-150	LLFB	
	0 HEPTACHLOR EPOXIDE "B"	0.11	0.1	ug/L	525.2	110	50-150	LLFB	
	0 METOLACHLOR	0.08	0.1	ug/L	525.2	80	50-150	LLFB	
	0 METRIBUZIN	0.05	0.1	ug/L	525.2	50	50-150	LLFB	
	0 PROPACHLOR	0.10	0.1	ug/L	525.2	100	50-150	LLFB	
	0 SIMAZINE	0.08	0.1	ug/L	525.2	80	50-150	LLFB	
531_241125	0 3-HYDROXYCARBOFURAN	0.41	0.5	ug/L	531.2	82	50-150	LLFB	
	0 ALDICARB	0.28	0.5	ug/L	531.2	56	50-150	LLFB	
	0 ALDICARB SULFONE	0.54	0.5	ug/L	531.2	108	50-150	LLFB	
	0 ALDICARB SULFOXIDE	0.50	0.5	ug/L	531.2	100	50-150	LLFB	
	0 CARBARYL	0.37	0.5	ug/L	531.2	74	50-150	LLFB	
	0 CARBOFURAN	0.32	0.5	ug/L	531.2	64	50-150	LLFB	
	0 METHOMYL	0.49	0.5	ug/L	531.2	98	50-150	LLFB	
	0 OXAMYL (VYDATE)	0.74	0.5	ug/L	531.2	148	50-150	LLFB	
547_241211	0 GLYPHOSATE	2.94	5	ug/L	547	59	50-150	LLFB	
548_241125	0 ENDOTHALL	4.15	5	ug/L	548.1	83	50-150	LLFB	
549_241125	0 DIQUAT	0.41	0.4	ug/L	549.2	103	50-150	LLFB	
552_241204	1 DIBROMOACETIC ACID	0.81	1	ug/L	552.3	81	50-150	LLFB	
	1 DICHLOROACETIC ACID	1.2	1	ug/L	552.3	120	50-150	LLFB	
	1 MONOBROMOACETIC ACID	1.2	1	ug/L	552.3	120	50-150	LLFB	
	1 MONOCHLOROACETIC ACID	1.1	1	ug/L	552.3	110	50-150	LLFB	
	1 TRICHLOROACETIC ACID	0.84	1	ug/L	552.3	84	50-150	LLFB	

*Notation:

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

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
Laboratory Reagent Blank									
1677_241203	0 CYANIDE	ND		mg/L	OIA-1677-DW	0-0		LRB	
200.7_241126B5	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 BORON	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	
200.8_241205A5	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 BERYLLIUM	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_241205HB	0 MERCURY	ND		mg/L	200.8	0-0		LRB	
300.1_241204A	0 BROMATE	ND		mg/L	300.1	0-0		LRB	
	0 CHLORITE	ND		mg/L	300.1	0-0		LRB	
	0 BROMIDE	ND		mg/L	300.1	0-0		LRB	
ALK_241202	0 ALKALINITY	ND		mg CaCO3/ISM2320 B		0-1		LRB	
IC06_241125A	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	

*Notation:

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NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Method Blank										
200.7_241126B5	0 HARDNESS	ND		mg/L	200.7	0-0				MB
	0 ALUMINUM	ND		mg/L	200.7	0-0				MB
	0 IRON	ND		mg/L	200.7	0-0				MB
	0 BORON	ND		mg/L	200.7	0-0				MB
	0 CALCIUM	ND		mg/L	200.7	0-0				MB
	0 MAGNESIUM	ND		mg/L	200.7	0-0				MB
	0 POTASSIUM	ND		mg/L	200.7	0-0				MB
	0 SODIUM	ND		mg/L	200.7	0-0				MB
200.8_241205A5	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 BERYLLIUM	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_241205HB	0 MERCURY	ND		mg/L	200.8	0-0				MB
504_241125	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
508_241127	0 CHLORDANE	ND		ug/L	508.1	0-0				MB
	0 TOXAPHENE	ND		ug/L	508.1	0-0				MB
515_241127	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_241203	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

*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.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
Method Blank									
524_241203	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
	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

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
Method Blank									
524_241203	0 MONOCHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	
	0 O - DICHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	
	0 P - DICHLOROETHYLENE	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 24-35591
	1 1,1 - DICHLOROPROPENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,2,3 - TRICHLOROETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,2,3 - TRICHLOROPROPANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,2,4 - TRIMETHYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,3 - DICHLOROPROPANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,3,5 - TRIMETHYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 2,2 - DICHLOROPROPANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 BROMOBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 BROMOCHLOROMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 BROMOMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 CHLOROETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 CHLOROMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 DIBROMOMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 DICHLORODIFLUOROMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 HEXACHLOROBUTADIENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 ISOPROPYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 M - DICHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 M/P - XYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 METHYL TERT-BUTYL ETHER	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 N - BUTYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 N - PROPYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 NAPHTHALENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 O - CHLOROTOLUENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 O - XYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 P - CHLOROTOLUENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 P - ISOPROPYLTOLUENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 SEC - BUTYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 TERT - BUTYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 TRANS- 1,3 - DICHLOROPROPENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 TRICHLOROFLUOROMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
Method Blank									
524_241203	1 BROMODICHLOROMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 BROMOFORM	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 CHLORODIBROMOMETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 CHLOROFORM	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,1 - DICHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,1,1 - TRICHLOROETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,1,2 - TRICHLOROETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,2 - DICHLOROETHANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,2 - DICHLOROPROPANE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 1,2,4 - TRICHLOROENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 BENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 CARBON TETRACHLORIDE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 CIS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 DICHLOROMETHANE	ND		ug/L	524.2	0-1		MB	TB 24-35591
	1 ETHYLBENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 MONOCHLOROENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 O - DICHLOROENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 P - DICHLOROENZENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 STYRENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 TETRACHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
	1 TOLUENE	ND		ug/L	524.2	0-0		MB	TB 24-35591
1 TRANS - 1,2 - DICHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591	
1 TRICHLOROETHYLENE	ND		ug/L	524.2	0-0		MB	TB 24-35591	
1 VINYL CHLORIDE	ND		ug/L	524.2	0-0		MB	TB 24-35591	
525_241127	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	
	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_241125	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	

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Method Blank										
531_241125	0 OXAMYL (VYDATE)	ND		ug/L	531.2		0-0			MB
547_241211	0 GLYPHOSATE	ND		ug/L	547		0-0			MB
548_241125	0 ENDOTHALL	ND		ug/L	548.1		0-0			MB
549_241125	0 DIQUAT	ND		ug/L	549.2		0-0			MB
552_241204	1 DIBROMOACETIC ACID	ND		ug/L	552.3		0-0			MB
	1 DICHLOROACETIC ACID	ND		ug/L	552.3		0-0			MB
	1 MONOBROMOACETIC ACID	ND		ug/L	552.3		0-0			MB
	1 MONOCHLOROACETIC ACID	ND		ug/L	552.3		0-1			MB
	1 TRICHLOROACETIC ACID	ND		ug/L	552.3		0-0			MB
Color_241125	0 COLOR	ND		CU	SM2120 B		0-4			MB
EC_241127R	0 ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		0-10			MB
TDS_241127	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_241125	0 TURBIDITY	ND		NTU	180.1		0-0			MB
	1 TURBIDITY	ND		NTU	180.1		0-0			MB
	2 TURBIDITY	ND		NTU	180.1		0-0			MB
	3 TURBIDITY	ND		NTU	180.1		0-0			MB
	4 TURBIDITY	ND		NTU	180.1		0-0			MB
	5 TURBIDITY	ND		NTU	180.1		0-0			MB
	6 TURBIDITY	ND		NTU	180.1		0-0			MB

*Notation:

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

NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
Method Detection Limit Sample									
524_241203	0 1,1 - DICHLOROETHANE	0.44	0.4	ug/L	524.2	110	25-175	MDL	
	0 1,1 - DICHLOROPROPENE	0.23	0.4	ug/L	524.2	58	25-175	MDL	
	0 1,1,1,2 - TETRACHLOROETHANE	0.40	0.4	ug/L	524.2	100	25-175	MDL	
	0 1,1,2,2 - TETRACHLOROETHANE	0.41	0.4	ug/L	524.2	103	25-175	MDL	
	0 1,2,3 - TRICHLOROBENZENE	0.22	0.4	ug/L	524.2	55	25-175	MDL	
	0 1,2,3 - TRICHLOROPROPANE	0.38	0.4	ug/L	524.2	95	25-175	MDL	
	0 1,2,4 - TRIMETHYLBENZENE	0.18	0.4	ug/L	524.2	45	25-175	MDL	
	0 1,3 - DICHLOROPROPANE	0.38	0.4	ug/L	524.2	95	25-175	MDL	
	0 1,3,5 - TRIMETHYLBENZENE	0.18	0.4	ug/L	524.2	45	25-175	MDL	
	0 2,2 - DICHLOROPROPANE	0.45	0.4	ug/L	524.2	113	25-175	MDL	
	0 BROMOBENZENE	0.28	0.4	ug/L	524.2	70	25-175	MDL	
	0 BROMOCHLOROMETHANE	0.46	0.4	ug/L	524.2	115	25-175	MDL	
	0 BROMOMETHANE	0.54	0.4	ug/L	524.2	135	25-175	MDL	
	0 CHLOROETHANE	0.51	0.4	ug/L	524.2	128	25-175	MDL	
	0 CHLOROMETHANE	0.51	0.4	ug/L	524.2	128	25-175	MDL	
	0 CIS - 1,3 - DICHLOROPROPENE	0.29	0.4	ug/L	524.2	73	25-175	MDL	
	0 DIBROMOMETHANE	0.46	0.4	ug/L	524.2	115	25-175	MDL	
	0 DICHLORODIFLUOROMETHANE	0.53	0.4	ug/L	524.2	133	25-175	MDL	
	0 HEXACHLOROBUTADIENE	0.36	0.4	ug/L	524.2	90	25-175	MDL	
	0 ISOPROPYLBENZENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 M - DICHLOROBENZENE	0.33	0.4	ug/L	524.2	83	25-175	MDL	
	0 M/P - XYLENE	0.46	0.8	ug/L	524.2	58	25-175	MDL	
	0 METHYL TERT-BUTYL ETHER	0.27	0.4	ug/L	524.2	68	25-175	MDL	
	0 N - BUTYLBENZENE	0.21	0.4	ug/L	524.2	53	25-175	MDL	
	0 N - PROPYLBENZENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 NAPHTHALENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 O - CHLOROTOLUENE	0.24	0.4	ug/L	524.2	60	25-175	MDL	
	0 O - XYLENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 P - CHLOROTOLUENE	0.27	0.4	ug/L	524.2	68	25-175	MDL	
	0 P - ISOPROPYLTOLUENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 SEC - BUTYLBENZENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 TERT - BUTYLBENZENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 TRANS- 1,3 - DICHLOROPROPENE	0.33	0.4	ug/L	524.2	83	25-175	MDL	
	0 TRICHLOROFUOROMETHANE	0.50	0.4	ug/L	524.2	125	25-175	MDL	
	0 BROMODICHLOROMETHANE	0.43	0.4	ug/L	524.2	108	25-175	MDL	
	0 BROMOFORM	0.36	0.4	ug/L	524.2	90	25-175	MDL	
	0 CHLORODIBROMOMETHANE	0.41	0.4	ug/L	524.2	103	25-175	MDL	
	0 CHLOROFORM	0.49	0.4	ug/L	524.2	123	25-175	MDL	
	0 1,1 - DICHLOROETHYLENE	0.38	0.4	ug/L	524.2	95	25-175	MDL	
	0 1,1,1 - TRICHLOROETHANE	0.42	0.4	ug/L	524.2	105	25-175	MDL	
	0 1,1,2 - TRICHLOROETHANE	0.46	0.4	ug/L	524.2	115	25-175	MDL	
	0 1,2 - DICHLOROETHANE	0.47	0.4	ug/L	524.2	118	25-175	MDL	
	0 1,2 - DICHLOROPROPANE	0.38	0.4	ug/L	524.2	95	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.

FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
Method Detection Limit Sample									
524_241203	0 1,2,4 - TRICHLOROBENZENE	0.24	0.4	ug/L	524.2	60	25-175	MDL	
	0 BENZENE	0.39	0.4	ug/L	524.2	98	25-175	MDL	
	0 CARBON TETRACHLORIDE	0.44	0.4	ug/L	524.2	110	25-175	MDL	
	0 CIS - 1,2 - DICHLOROETHYLENE	0.31	0.4	ug/L	524.2	78	25-175	MDL	
	0 DICHLOROMETHANE	0.39	0.4	ug/L	524.2	98	25-175	MDL	
	0 ETHYLBENZENE	0.25	0.4	ug/L	524.2	63	25-175	MDL	
	0 MONOCHLOROBENZENE	0.41	0.4	ug/L	524.2	103	25-175	MDL	
	0 O - DICHLOROBENZENE	0.41	0.4	ug/L	524.2	103	25-175	MDL	
	0 P - DICHLOROBENZENE	0.40	0.4	ug/L	524.2	100	25-175	MDL	
	0 STYRENE	0.19	0.4	ug/L	524.2	48	25-175	MDL	
	0 TETRACHLOROETHYLENE	0.41	0.4	ug/L	524.2	103	25-175	MDL	
	0 TOLUENE	0.39	0.4	ug/L	524.2	98	25-175	MDL	
	0 TRANS - 1,2 - DICHLOROETHYLENE	0.34	0.4	ug/L	524.2	85	25-175	MDL	
	0 TRICHLOROETHYLENE	0.40	0.4	ug/L	524.2	100	25-175	MDL	
	0 VINYL CHLORIDE	0.47	0.4	ug/L	524.2	118	25-175	MDL	

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier Type	Comment
Quality Control Sample									
1677_241203	0 CYANIDE	0.108	0.100	mg/L	OIA-1677-DW	108	90-110	QCS	
200.7_241126B5	0 ALUMINUM	2.02	2	mg/L	200.7	101	95-105	QCS	
	0 IRON	2.07	2	mg/L	200.7	104	95-105	QCS	
	0 BORON	1.96	2	mg/L	200.7	98	95-105	QCS	
	1 HARDNESS	132	132.3	mg/L	200.7	100	95-105	QCS	
	1 CALCIUM	20.6	20	mg/L	200.7	103	95-105	QCS	
	1 MAGNESIUM	19.5	20	mg/L	200.7	98	95-105	QCS	
	1 POTASSIUM	20	20	mg/L	200.7	100	95-105	QCS	
	1 SODIUM	20.5	20	mg/L	200.7	103	95-105	QCS	
200.8_241205A5	0 URANIUM	0.0553	0.0519	mg/L	200.8	107	90-110	QCS	
	0 COPPER	0.0379	0.04	mg/L	200.8	95	90-110	QCS	
	0 MANGANESE	0.039	0.04	mg/L	200.8	98	90-110	QCS	
	0 SILVER	0.0388	0.04	mg/L	200.8	97	90-110	QCS	
	0 ZINC	0.0386	0.04	mg/L	200.8	97	90-110	QCS	
	0 ANTIMONY	0.0361	0.04	mg/L	200.8	90	90-110	QCS	
	0 ARSENIC	0.0379	0.04	mg/L	200.8	95	90-110	QCS	
	0 BARIUM	0.0383	0.04	mg/L	200.8	96	90-110	QCS	
	0 BERYLLIUM	0.0379	0.04	mg/L	200.8	95	90-110	QCS	
	0 CADMIUM	0.0377	0.04	mg/L	200.8	94	90-110	QCS	
	0 CHROMIUM	0.0394	0.04	mg/L	200.8	99	90-110	QCS	
	0 LEAD	0.037	0.04	mg/L	200.8	93	90-110	QCS	
	0 NICKEL	0.0404	0.04	mg/L	200.8	101	90-110	QCS	
	0 SELENIUM	0.0384	0.04	mg/L	200.8	96	90-110	QCS	
	0 THALLIUM	0.0361	0.04	mg/L	200.8	90	90-110	QCS	
200.8_241205HB	0 MERCURY	0.00118	0.00127	mg/L	200.8	93	90-110	QCS	
300.1_241204A	0 BROMATE	0.0107	0.01	mg/L	300.1	107	85-115	QCS	
	0 CHLORITE	0.0211	0.02	mg/L	300.1	106	85-115	QCS	
	0 BROMIDE	0.108	0.1	mg/L	300.1	108	85-115	QCS	
504_241125	0 1,2 - DIBROMOETHANE (EDB)	1.06	1.37	ug/L	504.1	77	70-130	QCS	
	0 1,2,3 - TRICHLOROPROPANE	0.88	1.11	ug/L	504.1	79	70-130	QCS	
	0 1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	1.31	1.69	ug/L	504.1	78	70-130	QCS	
515_241127	0 2,4 - D	48.2	46.4	ug/L	515.4	104	70-130	QCS	
	0 2,4,5 - TP (SILVEX)	21.4	20	ug/L	515.4	107	70-130	QCS	
	0 DALAPON	79.7	78.5	ug/L	515.4	102	70-130	QCS	
	0 DICAMBA	96.7	88.1	ug/L	515.4	110	70-130	QCS	
	0 DINOSEB	54.9	56.1	ug/L	515.4	98	70-130	QCS	
	0 PENTACHLOROPHENOL	9.55	9.64	ug/L	515.4	99	70-130	QCS	
	0 PICLORAM	44.5	39.5	ug/L	515.4	113	70-130	QCS	
531_241125	1 3-HYDROXYCARBOFURAN	29.5	33	ug/L	531.2	89	70-130	QCS	
	1 ALDICARB	48.5	57.8	ug/L	531.2	84	70-130	QCS	
	1 ALDICARB SULFONE	63.8	69	ug/L	531.2	92	70-130	QCS	

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FORM: QCIndependent4.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-34849**

Report Date: 12/31/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier Type	QC Comment
Quality Control Sample									
531_241125	1 ALDICARB SULFOXIDE	43.7	45.1	ug/L	531.2	97	70-130	QCS	
	1 CARBARYL	55.8	75.5	ug/L	531.2	74	70-130	QCS	
	1 CARBOFURAN	49.0	56	ug/L	531.2	88	70-130	QCS	
	1 METHOMYL	42.2	47.8	ug/L	531.2	88	70-130	QCS	
	1 OXAMYL (VYDATE)	33.4	34.6	ug/L	531.2	97	70-130	QCS	
547_241211	1 GLYPHOSATE	16.7	20	ug/L	547	84	70-130	QCS	
ALK_241202	0 ALKALINITY	98.7	100	mg CaCO3/ISM2320 B		99	90-110	QCS	
Color_241125	0 COLOR	10	10	CU	SM2120 B	100	90-110	QCS	
EC_241127R	0 ELECTRICAL CONDUCTIVITY	144	146.9	uS/cm	SM2510 B	98	90-110	QCS	
IC06_241125A	0 CHLORIDE	6.2	6	mg/L	300.0	103	90-110	QCS	
	0 SULFATE	31.4	30	mg/L	300.0	105	90-110	QCS	
	0 FLUORIDE	4.16	4	mg/L	300.0	104	90-110	QCS	
	0 NITRATE-N	6.2	6	mg/L	300.0	103	90-110	QCS	
	0 NITRITE-N	6.36	6	mg/L	300.0	106	90-110	QCS	
	0 TOTAL NITRATE+NITRITE as N	12.56	12	mg/L	300.0	105	90-110	QCS	
TDS_241127	0 TOTAL DISSOLVED SOLIDS (TDS)	500	500	mg/L	SM2540 C	100	80-120	QCS	
Turb_241125	0 TURBIDITY	0.90	1	NTU	180.1	90	90-110	QCS	

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FORM: QCIndependent4.rpt



SAMPLE DEPENDENT
QUALITY CONTROL REPORT

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

Reference Number: **24-34849**

Report Date: 12/31/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
150.1_241202									
E-10139	67144	HYDROGEN ION (pH)	6.53	6.56	pH Units	0.5	0-50		
1677_241203									
57-12-5	64878	CYANIDE	ND	ND	mg/L	NA	0-20		
57-12-5	68393	CYANIDE	ND	ND	mg/L	NA	0-20		
200.7_241126B5									
E-11778	66683	HARDNESS	319	317	mg/L	0.6	0-20		
200.8_241205A5									
7440-36-0	64878	ANTIMONY	ND	ND	mg/L	NA	0-20		
7440-38-2	64878	ARSENIC	ND	ND	mg/L	NA	0-20		
7440-39-3	64878	BARIUM	0.0206	0.0207	mg/L	0.5	0-20		
7440-41-7	64878	BERYLLIUM	ND	ND	mg/L	NA	0-20		
7440-43-9	64878	CADMIUM	ND	ND	mg/L	NA	0-20		
7440-47-3	64878	CHROMIUM	ND	ND	mg/L	NA	0-20		
7440-50-8	64878	COPPER	0.005	0.005	mg/L	0.0	0-20		
7439-92-1	64878	LEAD	ND	ND	mg/L	NA	0-20		
7439-96-5	64878	MANGANESE	ND	ND	mg/L	NA	0-20		
7440-02-0	64878	NICKEL	0.0014	0.0017	mg/L	19.4	0-20		
7782-49-2	64878	SELENIUM	ND	ND	mg/L	NA	0-20		
7440-22-4	64878	SILVER	ND	ND	mg/L	NA	0-20		
7440-28-0	64878	THALLIUM	ND	ND	mg/L	NA	0-20		
7440-61-1	64878	URANIUM	ND	ND	mg/L	NA	0-20		
7440-66-6	64878	ZINC	ND	ND	mg/L	NA	0-20		
7440-36-0	67504	ANTIMONY	ND	ND	mg/L	NA	0-20		
7440-38-2	67504	ARSENIC	0.0038	0.0038	mg/L	0.0	0-20		
7440-39-3	67504	BARIUM	0.0450	0.0442	mg/L	1.8	0-20		
7440-41-7	67504	BERYLLIUM	ND	ND	mg/L	NA	0-20		
7440-43-9	67504	CADMIUM	ND	ND	mg/L	NA	0-20		
7440-47-3	67504	CHROMIUM	0.0019	0.0018	mg/L	5.4	0-20		
7440-50-8	67504	COPPER	0.0098	0.0104	mg/L	5.9	0-20		
7439-92-1	67504	LEAD	ND	ND	mg/L	NA	0-20		
7439-96-5	67504	MANGANESE	0.0180	0.0183	mg/L	1.7	0-20		
7440-02-0	67504	NICKEL	0.0011	0.0010	mg/L	9.5	0-20		
7782-49-2	67504	SELENIUM	0.0070	0.0068	mg/L	2.9	0-20		
7440-22-4	67504	SILVER	ND	ND	mg/L	NA	0-20		
7440-28-0	67504	THALLIUM	ND	ND	mg/L	NA	0-20		
7440-61-1	67504	URANIUM	ND	ND	mg/L	NA	0-20		
7440-66-6	67504	ZINC	0.0054	0.0054	mg/L	0.0	0-20		
300.1_241204A									
15541-45-4	64878	BROMATE	ND	ND	mg/L	NA	0-20		
24959-67-9	64878	BROMIDE	ND	ND	mg/L	NA	0-20		
7758-19-2	64878	CHLORITE	ND	ND	mg/L	NA	0-20		
524_241203									
75-34-3	67144	1,1 - DICHLOROETHANE	ND	ND	ug/L	NA	0-30		
75-35-4	67144	1,1 - DICHLOROETHYLENE	ND	ND	ug/L	NA	0-30		
563-58-6	67144	1,1 - DICHLOROPROPENE	ND	ND	ug/L	NA	0-30		
71-55-6	67144	1,1,1 - TRICHLOROETHANE	ND	ND	ug/L	NA	0-30		

%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 an 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

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FORM: QC Dependent_Port.rpt



SAMPLE DEPENDENT
QUALITY CONTROL REPORT

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

Reference Number: **24-34849**

Report Date: 12/31/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
630-20-6	67144	1,1,1,2 - TETRACHLOROETHANE	ND	ND	ug/L	NA	0-30		
79-00-5	67144	1,1,2 - TRICHLOROETHANE	ND	ND	ug/L	NA	0-30		
79-34-5	67144	1,1,2,2 - TETRACHLOROETHANE	ND	ND	ug/L	NA	0-30		
107-06-2	67144	1,2 - DICHLOROETHANE	ND	ND	ug/L	NA	0-30		
78-87-5	67144	1,2 - DICHLOROPROPANE	ND	ND	ug/L	NA	0-30		
87-61-6	67144	1,2,3 - TRICHLOROBENZENE	ND	ND	ug/L	NA	0-30		
96-18-4	67144	1,2,3 - TRICHLOROPROPANE	ND	ND	ug/L	NA	0-30		
120-82-1	67144	1,2,4 - TRICHLOROBENZENE	ND	ND	ug/L	NA	0-30		
95-63-6	67144	1,2,4 - TRIMETHYLBENZENE	ND	ND	ug/L	NA	0-30		
142-28-9	67144	1,3 - DICHLOROPROPANE	ND	ND	ug/L	NA	0-30		
108-67-8	67144	1,3,5 - TRIMETHYLBENZENE	ND	ND	ug/L	NA	0-30		
542-75-6	67144	1,3-DICHLOROPROPYLENE, TOTAL	ND	ND	ug/L	NA	0-30		
594-20-7	67144	2,2 - DICHLOROPROPANE	ND	ND	ug/L	NA	0-30		
71-43-2	67144	BENZENE	ND	ND	ug/L	NA	0-30		
108-86-1	67144	BROMOBENZENE	ND	ND	ug/L	NA	0-30		
74-97-5	67144	BROMOCHLOROMETHANE	ND	ND	ug/L	NA	0-30		
75-27-4	67144	BROMODICHLOROMETHANE	1.6	1.7	ug/L	6.1	0-30		
75-25-2	67144	BROMOFORM	ND	ND	ug/L	NA	0-30		
74-83-9	67144	BROMOMETHANE	ND	ND	ug/L	NA	0-30		
56-23-5	67144	CARBON TETRACHLORIDE	ND	ND	ug/L	NA	0-30		
124-48-1	67144	CHLORODIBROMOMETHANE	ND	ND	ug/L	NA	0-30		
75-00-3	67144	CHLOROETHANE	ND	ND	ug/L	NA	0-30		
67-66-3	67144	CHLOROFORM	11.6	11.6	ug/L	0.0	0-30		
74-87-3	67144	CHLOROMETHANE	ND	ND	ug/L	NA	0-30		
156-59-2	67144	CIS - 1,2 - DICHLOROETHYLENE	ND	ND	ug/L	NA	0-30		
10061-01-5	67144	CIS - 1,3 - DICHLOROPROPENE	ND	ND	ug/L	NA	0-30		
74-95-3	67144	DIBROMOMETHANE	ND	ND	ug/L	NA	0-30		
75-71-8	67144	DICHLORODIFLUOROMETHANE	ND	ND	ug/L	NA	0-30		
75-09-2	67144	DICHLOROMETHANE	ND	ND	ug/L	NA	0-30		
100-41-4	67144	ETHYLBENZENE	ND	ND	ug/L	NA	0-30		
87-68-3	67144	HEXACHLOROBUTADIENE	ND	ND	ug/L	NA	0-30		
98-82-8	67144	ISOPROPYLBENZENE	ND	ND	ug/L	NA	0-30		
541-73-1	67144	M - DICHLOROBENZENE	ND	ND	ug/L	NA	0-30		
179601-23-1	67144	M/P - XYLENE	ND	ND	ug/L	NA	0-30		
1634-04-4	67144	METHYL TERT-BUTYL ETHER	ND	ND	ug/L	NA	0-30		
108-90-7	67144	MONOCHLOROBENZENE	ND	ND	ug/L	NA	0-30		
104-51-8	67144	N - BUTYLBENZENE	ND	ND	ug/L	NA	0-30		
103-65-1	67144	N - PROPYLBENZENE	ND	ND	ug/L	NA	0-30		
91-20-3	67144	NAPHTHALENE	ND	ND	ug/L	NA	0-30		
95-49-8	67144	O - CHLOROTOLUENE	ND	ND	ug/L	NA	0-30		
95-50-1	67144	O - DICHLOROBENZENE	ND	ND	ug/L	NA	0-30		
95-47-6	67144	O - XYLENE	ND	ND	ug/L	NA	0-30		
106-43-4	67144	P - CHLOROTOLUENE	ND	ND	ug/L	NA	0-30		
106-46-7	67144	P - DICHLOROBENZENE	ND	ND	ug/L	NA	0-30		
99-87-6	67144	P - ISOPROPYLTOLUENE	ND	ND	ug/L	NA	0-30		
135-98-8	67144	SEC - BUTYLBENZENE	ND	ND	ug/L	NA	0-30		
100-42-5	67144	STYRENE	ND	ND	ug/L	NA	0-30		
98-06-6	67144	TERT - BUTYLBENZENE	ND	ND	ug/L	NA	0-30		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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FORM: QC Dependent_Port.rpt



SAMPLE DEPENDENT
QUALITY CONTROL REPORT

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

Reference Number: **24-34849**

Report Date: 12/31/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate		Units	%RPD	Limits	QC	Comments
				Result	Result				Qualifier	
127-18-4	67144	TETRACHLOROETHYLENE	ND	ND		ug/L	NA	0-30		
108-88-3	67144	TOLUENE	ND	ND		ug/L	NA	0-30		
E-14471	67144	TOTAL TRIHALOMETHANE	13.2	13.3		ug/L	0.8	0-30		
156-60-5	67144	TRANS - 1,2 - DICHLOROETHYLENE	ND	ND		ug/L	NA	0-30		
10061-02-6	67144	TRANS- 1,3 - DICHLOROPROPENE	ND	ND		ug/L	NA	0-30		
79-01-6	67144	TRICHLOROETHYLENE	ND	ND		ug/L	NA	0-30		
75-69-4	67144	TRICHLOROFLUOROMETHANE	ND	ND		ug/L	NA	0-30		
75-01-4	67144	VINYL CHLORIDE	ND	ND		ug/L	NA	0-30		
1330-20-7	67144	XYLENES (TOTAL)	ND	ND		ug/L	NA	0-30		
75-34-3	68393	1,1 - DICHLOROETHANE	ND	PH	ND	PH	NA	0-30		
75-35-4	68393	1,1 - DICHLOROETHYLENE	ND	ND		ug/L	NA	0-30		
563-58-6	68393	1,1 - DICHLOROPROPENE	ND	ND		ug/L	NA	0-30		
71-55-6	68393	1,1,1 - TRICHLOROETHANE	ND	ND		ug/L	NA	0-30		
630-20-6	68393	1,1,1,2 - TETRACHLOROETHANE	ND	ND		ug/L	NA	0-30		
79-00-5	68393	1,1,2 - TRICHLOROETHANE	ND	ND		ug/L	NA	0-30		
79-34-5	68393	1,1,2,2 - TETRACHLOROETHANE	ND	ND		ug/L	NA	0-30		
107-06-2	68393	1,2 - DICHLOROETHANE	ND	ND		ug/L	NA	0-30		
78-87-5	68393	1,2 - DICHLOROPROPANE	ND	ND		ug/L	NA	0-30		
87-61-6	68393	1,2,3 - TRICHLOROBENZENE	ND	ND		ug/L	NA	0-30		
96-18-4	68393	1,2,3 - TRICHLOROPROPANE	ND	ND		ug/L	NA	0-30		
120-82-1	68393	1,2,4 - TRICHLOROBENZENE	ND	ND		ug/L	NA	0-30		
95-63-6	68393	1,2,4 - TRIMETHYLBENZENE	ND	ND		ug/L	NA	0-30		
142-28-9	68393	1,3 - DICHLOROPROPANE	ND	ND		ug/L	NA	0-30		
108-67-8	68393	1,3,5 - TRIMETHYLBENZENE	ND	ND		ug/L	NA	0-30		
542-75-6	68393	1,3-DICHLOROPROPYLENE, TOTAL	ND	ND		ug/L	NA	0-30		
594-20-7	68393	2,2 - DICHLOROPROPANE	ND	ND		ug/L	NA	0-30		
71-43-2	68393	BENZENE	1.7	1.9		ug/L	11.1	0-30		
108-86-1	68393	BROMOBENZENE	ND	ND		ug/L	NA	0-30		
74-97-5	68393	BROMOCHLOROMETHANE	ND	ND		ug/L	NA	0-30		
75-27-4	68393	BROMODICHLOROMETHANE	ND	ND		ug/L	NA	0-30		
75-25-2	68393	BROMOFORM	ND	ND		ug/L	NA	0-30		
74-83-9	68393	BROMOMETHANE	ND	ND		ug/L	NA	0-30		
56-23-5	68393	CARBON TETRACHLORIDE	ND	ND		ug/L	NA	0-30		
124-48-1	68393	CHLORODIBROMOMETHANE	ND	ND		ug/L	NA	0-30		
75-00-3	68393	CHLOROETHANE	ND	ND		ug/L	NA	0-30		
67-66-3	68393	CHLOROFORM	ND	ND		ug/L	NA	0-30		
74-87-3	68393	CHLOROMETHANE	ND	ND		ug/L	NA	0-30		
156-59-2	68393	CIS - 1,2 - DICHLOROETHYLENE	ND	ND		ug/L	NA	0-30		
10061-01-5	68393	CIS - 1,3 - DICHLOROPROPENE	ND	ND		ug/L	NA	0-30		
74-95-3	68393	DIBROMOMETHANE	ND	ND		ug/L	NA	0-30		
75-71-8	68393	DICHLORODIFLUOROMETHANE	ND	ND		ug/L	NA	0-30		
75-09-2	68393	DICHLOROMETHANE	ND	ND		ug/L	NA	0-30		
100-41-4	68393	ETHYLBENZENE	ND	ND		ug/L	NA	0-30		
87-68-3	68393	HEXACHLOROBUTADIENE	ND	ND		ug/L	NA	0-30		
98-82-8	68393	ISOPROPYLBENZENE	ND	PH	ND	PH	NA	0-30		
541-73-1	68393	M - DICHLOROBENZENE	ND	ND		ug/L	NA	0-30		
179601-23-1	68393	M/P - XYLENE	ND	ND		ug/L	NA	0-30		

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT

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

Reference Number: **24-34849**

Report Date: 12/31/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
1634-04-4	68393	METHYL TERT-BUTYL ETHER	ND	ND	ug/L	NA	0-30		
108-90-7	68393	MONOCHLOROBENZENE	ND	ND	ug/L	NA	0-30		
104-51-8	68393	N - BUTYLBENZENE	ND	ND	ug/L	NA	0-30		
103-65-1	68393	N - PROPYLBENZENE	ND	ND	ug/L	NA	0-30		
91-20-3	68393	NAPHTHALENE	ND	ND	ug/L	NA	0-30		
95-49-8	68393	O - CHLOROTOLUENE	ND	ND	ug/L	NA	0-30		
95-50-1	68393	O - DICHLOROBENZENE	ND	ND	ug/L	NA	0-30		
95-47-6	68393	O - XYLENE	ND	ND	ug/L	NA	0-30		
106-43-4	68393	P - CHLOROTOLUENE	ND	ND	ug/L	NA	0-30		
106-46-7	68393	P - DICHLOROBENZENE	ND	ND	ug/L	NA	0-30		
99-87-6	68393	P - ISOPROPYLTOLUENE	ND	ND	ug/L	NA	0-30		
135-98-8	68393	SEC - BUTYLBENZENE	ND	ND	ug/L	NA	0-30		
100-42-5	68393	STYRENE	ND	ND	ug/L	NA	0-30		
98-06-6	68393	TERT - BUTYLBENZENE	ND	ND	ug/L	NA	0-30		
127-18-4	68393	TETRACHLOROETHYLENE	ND	ND	ug/L	NA	0-30		
108-88-3	68393	TOLUENE	0.5	0.5	ug/L	0.0	0-30		
E-14471	68393	TOTAL TRIHALOMETHANE	ND	ND	ug/L	NA	0-30		
156-60-5	68393	TRANS - 1,2 - DICHLOROETHYLENE	ND	ND	ug/L	NA	0-30		
10061-02-6	68393	TRANS- 1,3 - DICHLOROPROPENE	ND	ND	ug/L	NA	0-30		
79-01-6	68393	TRICHLOROETHYLENE	ND	ND	ug/L	NA	0-30		
75-69-4	68393	TRICHLOROFLUOROMETHANE	ND	ND	ug/L	NA	0-30		
75-01-4	68393	VINYL CHLORIDE	ND	ND	ug/L	NA	0-30		
1330-20-7	68393	XYLENES (TOTAL)	ND	ND	ug/L	NA	0-30		
552_241204									
631-64-1	67144	DIBROMOACETIC ACID	ND	ND	ug/L	NA	0-30		
79-43-6	67144	DICHLOROACETIC ACID	ND	ND	ug/L	NA	0-30		
NA	67144	HAA(5)	ND	ND	ug/L	NA	0-30		
79-08-3	67144	MONOBROMOACETIC ACID	ND	ND	ug/L	NA	0-30		
79-11-8	67144	MONOCHLOROACETIC ACID	ND	ND	ug/L	NA	0-30		
76-03-9	67144	TRICHLOROACETIC ACID	ND	ND	ug/L	NA	0-30		
631-64-1	67555	DIBROMOACETIC ACID	ND	ND	ug/L	NA	0-30		Extracted 12/6/2024
79-43-6	67555	DICHLOROACETIC ACID	25.8	25.2	ug/L	2.4	0-30		Extracted 12/6/2024
NA	67555	HAA(5)	72.7	71.1	ug/L	2.2	0-30		Extracted 12/6/2024
79-08-3	67555	MONOBROMOACETIC ACID	ND	ND	ug/L	NA	0-30		Extracted 12/6/2024
79-11-8	67555	MONOCHLOROACETIC ACID	ND	ND	ug/L	NA	0-30		Extracted 12/6/2024
76-03-9	67555	TRICHLOROACETIC ACID	46.9	45.9	ug/L	2.2	0-30		Extracted 12/6/2024 Extracted 12/6/2024
ALK_241202									
E-14506	66487	ALKALINITY	320	322	mg CaCO3/L	0.6	0-20		
CL_241125A									
	67144	CHLORAMINES TOTAL	ND	ND	mg/L	NA	0-20		
7782-50-5	67144	FREE CHLORINE RESIDUAL	ND	ND	mg/L	NA	0-20		
COLOR_241125									
E-11712	67382	COLOR	ND	ND	COLOR	NA	0-20		
EC_241127R									
E-10184	66436	ELECTRICAL CONDUCTIVITY	166	166	uS/cm	0.0	0-20		
E-10184	67577	ELECTRICAL CONDUCTIVITY	791	783	uS/cm	1.0	0-20		

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT

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

Reference Number: **24-34849**

Report Date: 12/31/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
E-10184	67927	ELECTRICAL CONDUCTIVITY	146	147	uS/cm	0.7	0-20		
E-10184	68007	ELECTRICAL CONDUCTIVITY	569	571	uS/cm	0.4	0-20		
IC06_241125A									
16887-00-6	67144	CHLORIDE	0.5	0.55	mg/L	9.5	0-20		
16984-48-8	67144	FLUORIDE	ND	ND	mg/L	NA	0-20		
14797-55-8	67144	NITRATE-N	ND	ND	mg/L	NA	0-20		
14797-65-0	67144	NITRITE-N	ND	ND	mg/L	NA	0-20		
14808-79-8	67144	SULFATE	0.5	0.5	mg/L	0.0	0-20		
E-10128	67144	TOTAL NITRATE+NITRITE as N	ND	ND	mg/L	NA	0-20		
14797-55-8	67665	NITRATE-N	ND	ND	mg/L	NA	0-20		
14797-65-0	67665	NITRITE-N	ND	ND	mg/L	NA	0-20		
odor_241125									
E-11734	67382	ODOR	ND	ND	TON	NA	0-20		
Taste_241127									
NA	63464	TASTE	ND	ND	FTN	NA	0-10		
TDS_241127									
E-10173	64878	TOTAL DISSOLVED SOLIDS (TDS)	183	186	mg/L	1.6	0-5		
E-10173	67785	TOTAL DISSOLVED SOLIDS (TDS)	863	866	mg/L	0.3	0-5		
Turb_241125									
E-10617	67382	TURBIDITY	0.34	0.31	NTU	9.2	0-20		

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QUALITY CONTROL REPORT

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

Reference Number: **24-34849**

Report Date: 12/31/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery			%RPD	Limits*	QC Qualifier	Comments
								MS	MSD	Limits*				
1677_241203														
57-12-5	64878	CYANIDE	ND	0.047	0.049	0.050	mg/L	94	98	70-130	4.2	0-20		
57-12-5	68393	CYANIDE	ND	0.053	0.054	0.050	mg/L	106	108	70-130	1.9	0-20		
200.7_241126B5														
E-11778	66683	HARDNESS	319	378	383	86.0	mg/L	69	74	70-130	8.1	0-20	IS	
200.8_241205A5														
7440-36-0	64878	ANTIMONY	ND	0.0102		0.010	mg/L	102		70-130	NA	0-20		
7440-38-2	64878	ARSENIC	ND	0.0109		0.010	mg/L	109		70-130	NA	0-20		
7440-39-3	64878	BARIUM	0.0206	0.0307		0.010	mg/L	101		70-130	NA	0-20		
7440-41-7	64878	BERYLLIUM	ND	0.0099		0.010	mg/L	99		70-130	NA	0-20		
7440-43-9	64878	CADMIUM	ND	0.0099		0.010	mg/L	99		70-130	NA	0-20		
7440-47-3	64878	CHROMIUM	ND	0.0107		0.010	mg/L	107		70-130	NA	0-20		
7440-50-8	64878	COPPER	0.005	0.0142		0.010	mg/L	92		70-130	NA	0-20		
7439-92-1	64878	LEAD	ND	0.0100		0.010	mg/L	100		70-130	NA	0-20		
7439-96-5	64878	MANGANESE	ND	0.0100		0.010	mg/L	100		70-130	NA	0-20		
7440-02-0	64878	NICKEL	0.0014	0.0111		0.010	mg/L	97		70-130	NA	0-20		
7782-49-2	64878	SELENIUM	ND	0.0109		0.010	mg/L	109		70-130	NA	0-20		
7440-22-4	64878	SILVER	ND	0.0100		0.010	mg/L	100		70-130	NA	0-20		
7440-28-0	64878	THALLIUM	ND	0.0101		0.010	mg/L	101		70-130	NA	0-20		
7440-61-1	64878	URANIUM	ND	0.0101		0.010	mg/L	101		70-130	NA	0-20		
7440-66-6	64878	ZINC	ND	0.0100		0.010	mg/L	100		70-130	NA	0-20		
7440-36-0	67504	ANTIMONY	ND	0.0098		0.010	mg/L	98		70-130	NA	0-20		
7440-38-2	67504	ARSENIC	0.0038	0.0142		0.010	mg/L	104		70-130	NA	0-20		
7440-39-3	67504	BARIUM	0.0450	0.0540		0.010	mg/L	90		70-130	NA	0-20		
7440-41-7	67504	BERYLLIUM	ND	0.0097		0.010	mg/L	97		70-130	NA	0-20		
7440-43-9	67504	CADMIUM	ND	0.0087		0.010	mg/L	87		70-130	NA	0-20		
7440-47-3	67504	CHROMIUM	0.0019	0.0105		0.010	mg/L	86		70-130	NA	0-20		
7440-50-8	67504	COPPER	0.0098	0.0191		0.010	mg/L	93		70-130	NA	0-20		
7439-92-1	67504	LEAD	ND	0.0101		0.010	mg/L	101		70-130	NA	0-20		
7439-96-5	67504	MANGANESE	0.0180	0.0272		0.010	mg/L	92		70-130	NA	0-20		
7440-02-0	67504	NICKEL	0.0011	0.0092		0.010	mg/L	81		70-130	NA	0-20		
7782-49-2	67504	SELENIUM	0.0070	0.0165		0.010	mg/L	95		70-130	NA	0-20		
7440-22-4	67504	SILVER	ND	0.006		0.010	mg/L	60		70-130	NA	0-20		
7440-28-0	67504	THALLIUM	ND	0.0101		0.010	mg/L	101		70-130	NA	0-20		
7440-61-1	67504	URANIUM	ND	0.0102		0.010	mg/L	102		70-130	NA	0-20		
7440-66-6	67504	ZINC	0.0054	0.0134		0.010	mg/L	80		70-130	NA	0-20		
200.8_241205HB5														
7439-97-6	67011	MERCURY	ND	0.00043	0.000442	0.0005	mg/L	87	88	70-130	1.8	0-0		
7439-97-6	67633	MERCURY	ND	0.00048	0.000492	0.0005	mg/L	96	98	70-130	2.5	0-0		
300.1_241204A														
15541-45-4	64878	BROMATE	ND	0.0092		0.01	mg/L	92		75-125	NA	0-20		
24959-67-9	64878	BROMIDE	ND	0.0102		0.01	mg/L	102		75-125	NA	0-20		
7758-19-2	64878	CHLORITE	ND	0.0099		0.01	mg/L	99		75-125	NA	0-20		
504_241125														
106-93-4	65576	1,2 - DIBROMOETHANE (EDB)	ND	0.22		0.25	ug/L	88	NA	65-135	NA	0-20		
96-18-4	65576	1,2,3 - TRICHLOROPROPANE	ND	0.22		0.25	ug/L	88	NA	65-135	NA	0-20		

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT

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

Reference Number: **24-34849**

Report Date: 12/31/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Duplicate		Conc	Units	Percent Recovery			%RPD	Limits*	QC	Qualifier	Comments
				Spike Result	Spike Result			MS	MSD	Limits*					
96-12-8	65576	1,2-DIBROMO-3-CHLOROPROPA NE (DBCP)	ND	0.23		0.25	ug/L	92	NA	65-135	NA	0-20			
515_241127															
94-75-7	64878	2,4 - D	ND	2.62	2.24	2.5	ug/L	105	90	70-130	15.6	0-20			
93-72-1	64878	2,4,5 - TP (SILVEX)	ND	2.55	2.41	2.5	ug/L	102	96	70-130	5.6	0-20			
75-99-0	64878	DALAPON	ND	2.76	2.67	2.5	ug/L	110	107	70-130	3.3	0-20			
1918-00-9	64878	DICAMBA	ND	2.67	2.52	2.5	ug/L	107	101	70-130	5.8	0-20			
88-85-7	64878	DINOSEB	ND	2.46	2.35	2.5	ug/L	98	94	70-130	4.6	0-20			
87-86-5	64878	PENTACHLOROPHENOL	ND	2.47	2.21	2.5	ug/L	99	88	70-130	11.1	0-20			
1918-02-1	64878	PICLORAM	ND	2.61	2.45	2.5	ug/L	104	98	70-130	6.3	0-20			
525_241127															
15972-60-8	66398	ALACHLOR	ND	2.51		2	ug/L	126	NA	70-130	NA	0-20			
309-00-2	66398	ALDRIN	ND	1.05		1	ug/L	105	NA	70-130	NA	0-20			
1912-24-9	66398	ATRAZINE	ND	2.60		2	ug/L	130	NA	70-130	NA	0-20			
23184-66-9	66398	BUTACHLOR	ND	1.36		1	ug/L	136	NA	70-130	NA	0-20	M1		
103-23-1	66398	DI(2-ETHYLHEXYL)-ADIPATE	ND	1.17		1	ug/L	117	NA	70-130	NA	0-20			
117-81-7	66398	DI(2-ETHYLHEXYL)-PHTHALATE	ND	1.35		1	ug/L	135	NA	70-130	NA	0-20	M1		
60-57-1	66398	DIELDRIN	ND	1.12		1	ug/L	112	NA	70-130	NA	0-20			
1024-57-3	66398	HEPTACHLOR EPOXIDE "B"	ND	1.15		1	ug/L	115	NA	70-130	NA	0-20			
51218-45-2	66398	METOLACHLOR	ND	1.33		1	ug/L	133	NA	70-130	NA	0-20	M1		
21087-64-9	66398	METRIBUZIN	ND	0.61		1	ug/L	61	NA	70-130	NA	0-20	LR		
1918-16-7	66398	PROPACHLOR	ND	1.25		1	ug/L	125	NA	70-130	NA	0-20			
122-34-9	66398	SIMAZINE	ND	0.88		1	ug/L	88	NA	70-130	NA	0-20			
531_241125															
16655-82-6	63462	3-HYDROXYCARBOFURAN	ND	21.5	22.0	20	ug/L	108	110	70-130	2.3	0-20			
116-06-3	63462	ALDICARB	ND	20.1	20.5	20	ug/L	101	103	70-130	2.0	0-20			
1646-88-4	63462	ALDICARB SULFONE	ND	23.0	23.6	20	ug/L	115	118	70-130	2.6	0-20			
1646-87-3	63462	ALDICARB SULFOXIDE	ND	23.6	24.1	20	ug/L	118	121	70-130	2.1	0-20			
63-25-2	63462	CARBARYL	ND	19.4	19.8	20	ug/L	97	99	70-130	2.0	0-20			
1563-66-2	63462	CARBOFURAN	ND	20.2	20.7	20	ug/L	101	104	70-130	2.4	0-20			
16752-77-5	63462	METHOMYL	ND	22.0	22.1	20	ug/L	110	111	70-130	0.5	0-20			
23135-22-0	63462	OXAMYL (VYDATE)	ND	23.2	23.4	20	ug/L	116	117	70-130	0.9	0-20			
547_241211															
1071-83-6	68394	GLYPHOSATE	ND	12.2		20	ug/L	61	NA	81-126	NA	0-20	M2		
1071-83-6	70040	GLYPHOSATE	ND	35.3		40	ug/L	88	NA	81-126	NA	0-20			
548_241125															
145-73-3	67144	ENDOTHALL	ND	3.23		5	ug/L	65	NA	50-150	NA	0-20			
549_241125															
85-00-7	66315	DIQUAT	ND	0.0198		0.020	mg/L	99	NA	70-130	NA	0-20			
552_241204															
631-64-1	64878	DIBROMOACETIC ACID	ND	15.0		12.5	ug/L	120	NA	70-130	NA	0-20			
79-43-6	64878	DICHLOROACETIC ACID	6.2	18.6		12.5	ug/L	99	NA	70-130	NA	0-20			
79-08-3	64878	MONOBROMOACETIC ACID	ND	14.2		12.5	ug/L	114	NA	70-130	NA	0-20			
79-11-8	64878	MONOCHLOROACETIC ACID	ND	12.9		12.5	ug/L	103	NA	70-130	NA	0-20			
76-03-9	64878	TRICHLOROACETIC ACID	7.3	22.1		12.5	ug/L	118	NA	70-130	NA	0-20			

CL_241125A

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate
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Reference Number: **24-34849**

Report Date: 12/31/2024

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery			%RPD	Limits*	QC Qualifier	Comments
								MS	MSD	Limits*				
7782-50-5	67144	FREE CHLORINE RESIDUAL	ND	0.57	0.55	0.56	mg/L	102	98	80-120	3.6	0-20		
IC06_241125A														
16887-00-6	67144	CHLORIDE	0.5	1.5		1	mg/L	100		90-110	NA	0-20		
16984-48-8	67144	FLUORIDE	ND	0.98		1	mg/L	98		90-110	NA	0-20		
14797-55-8	67144	NITRATE-N	ND	1.03		1	mg/L	103		90-110	NA	0-20		
14797-65-0	67144	NITRITE-N	ND	0.99		1	mg/L	99		90-110	NA	0-20		
14808-79-8	67144	SULFATE	0.5	2.5		2	mg/L	100		90-110	NA	0-20		
E-10128	67144	TOTAL NITRATE+NITRITE as N	ND	2.02		2	mg/L	101		90-110	NA	0-20		
14797-55-8	67665	NITRATE-N	ND	1.01		1	mg/L	101		90-110	NA	0-20		
14797-65-0	67665	NITRITE-N	ND	0.95		1	mg/L	95		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 an 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.

FORM: QC Dependent_Port.rpt

Qualifier Definitions

Reference Number: 24-34849

Report Date: 12/31/24

Qualifier	Definition
HR	High QCS recovery due to increased detector response No sample detections, therefore, no further action taken for this analysis set.
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
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.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Matrix bias indicated.
M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
PH	Data Suspect: The sample was not preserved at pH <2

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

24-34849

CHAIN OF CUSTODY RECORD

1296-782-30

INVOICE TO/SEND Compliance Designs	ORIGINAL REPORT TO: 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318	CLIENT NAME TO APPEAR ON REPORT: Boxed Water is Better 4433 Holland Avenue Holland MI 49424	LAB USED: Edge Analytical	ORDER #
			TURNAROUND TIME: STND/BUT ASAP	PWS #:
PROJECT NAME: 2024 Annual		PROJECT #: 1296	NUMBER OF	ANALYSIS REQUIRED
1296-782	Purified Finished Product			
	Produced From: Municipal Source			
	Size: If multiple shipments indicate shipment 1 of 3			
LAB, PLEASE INDICATE DATE AND TIME BOTTLES OPENED (SAMPLE DATE & TIME)	Prod Code: 11/19/24 32424	Line: 1 Best Buy 11/19/26		
	SAMPLER'S SIGNATURE: 		PLEASE PRINT BELOW: RICK KULAS	COMPLIANCE CRITERIA: 50 State Compliance
			E	
	Date & Time 11/20/24 10:00			

FEDEX PU01 11/21/24 1144

Rec'd

12x 500ml Cartons
JMC

14°

60 Total 500ml Cartons from 3 shipments

CHAIN OF CUSTODY RECORD

1296-782-30

INVOICE TO/SEND ORIGINAL REPORT TO: Compliance Designs 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318		CLIENT NAME TO APPEAR ON REPORT: Boxed Water is Better 4433 Holland Avenue Holland MI 49424		LAB USED: Edge Analytical	ORDER #
				TURNAROUND TIME: STND/BUT ASAP	PWS #:
PROJECT NAME: 2024 Annual		PROJECT #: 1296		NUMBER OF	
				ANALYSIS REQUIRED	
1296-782		Purified Finished Product		1	50 State Battery With TCP (504), & PFAS
		Produced From: Municipal Source			
		Size: If multiple shipments indicate shipment 1 of 3			
LAB, PLEASE INDICATE DATE AND TIME BOTTLES OPENED (SAMPLE DATE & TIME)		Prod Code: 32424 11/19/24	Line: 1 Best By 11/19/24		
SAMPLER'S SIGNATURE: <i>[Signature]</i>		PLEASE PRINT BELOW: Rick K...		COMPLIANCE CRITERIA: 50 State Compliance	
Sign Here	Date & Time			E	
<i>[Signature]</i>	11/20/24 10:00				

FEDEX PU01 11/21/24 1144

Rec'd 24x 500ml
 14° 5me
 Cartons

CHAIN OF CUSTODY RECORD

1296-782-30

INVOICE TO/SEND ORIGINAL REPORT TO: Compliance Designs 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318	CLIENT NAME TO APPEAR ON REPORT: Boxed Water is Better 4433 Holland Avenue Holland MI 49424	LAB USED: Edge Analytical	ORDER # TURNAROUND TIME: STND/BUT ASAP
PROJECT NAME: 2024 Annual		PROJECT #: 1296	
		N U M B E R O F	1
		ANALYSIS REQUIRED	
1296-782		Purified Finished Product	50 State Battery With TCP (504), & PFAS
		Produced From: Municipal Source	
		Size: If multiple shipments indicate shipment <u>1</u> of <u>3</u>	
LAB, PLEASE INDICATE DATE AND TIME BOTTLES OPENED (SAMPLE DATE & TIME)		Prod Code: Line: <u>1</u>	
		<u>11/19/24</u> <u>Best By 11/19/26</u> <u>32424</u>	
SAMPLER'S SIGNATURE: 		PLEASE PRINT BELOW: RICK KUZAS	COMPLIANCE CRITERIA: 50 State Compliance
Sign Here	Date & Time		E
	<u>11/20/24</u> <u>10:00</u>		

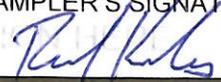
FEDEX PU01 11/21/24 1144

Rec'd 24x 500ml
14° jmc
Cartons

24-34849

CHAIN OF CUSTODY RECORD

1296-782-30

INVOICE TO/SEND ORIGINAL REPORT TO: Compliance Designs 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318	CLIENT NAME TO APPEAR ON REPORT: Boxed Water is Better 4433 Holland Avenue Holland MI 49424	LAB USED: Edge Analytical	ORDER # TURNAROUND TIME: STND/BUT ASAP
PROJECT NAME: 2024 Annual		PROJECT #: 1296	
		NUMBER OF	ANALYSIS REQUIRED
1296-782	Purified Finished Product	1	50 State Battery With TCP (504), & PFAS
	Produced From: Municipal Source		
	Size: If multiple shipments indicate shipment 1 of 3		
LAB, PLEASE INDICATE DATE AND TIME BOTTLES OPENED (SAMPLE DATE & TIME)	Prod Code: 32424	Line: 31 Best By 11/19/26	
SAMPLER'S SIGNATURE: 		PLEASE PRINT BELOW: RICK KULAS	
		COMPLIANCE CRITERIA: 50 State Compliance	
Signature	Date & Time	E	
	11/20/24 10:00		

FEDEX PU01 11/21/24 1144 Rec'd

12x 500ml Cartons
jmc

P/O 11-25-24
@ 9:30 jmc

60 Total 500ml Cartons from 3 shipments



EMSL Analytical, Inc.

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

EMSL Order ID: 042424571
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: 12/02/2024
Analyzed: 12/10/2024

Proj: 24-34849

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

ASBESTOS

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm ²)	Area Analyzed (mm ²)	Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)	
24-67144 042424571-0001	12/4/2024 08:53 AM	100	1336	0.0780	None Detected	ND	0.17	<0.17	0.00 - 0.63

Collection Date/Time: 12/04/2024 08:53 AM

Bottle supplied by client.

Analyst(s)
Daniel Blake (1)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

Any questions please contact Samantha Rundstrom-Cruz.

Initial report from: 12/11/2024 08:05:56

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection performed by the client. Pre-cleaned sample containers are available for purchase from EMSL. Note if sample containers are provided by the client, acceptable bottle blank level is defined as ≤0.01MFL for ≥=10µm fibers. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson), 5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.



Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NYS ELAP 10872, NJ DEP 03036, FL DOH E87975, PA ID# 68-00367



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/11/2024 7:23:00 PM

JOB DESCRIPTION

24-34849

JOB NUMBER

380-124254-1

Eurofins Eaton Analytical Pomona

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
12/11/2024 7:23:00 PM

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



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Definitions/Glossary

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

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

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

Case Narrative

Client: Edge Analytical, Inc
Project: 24-34849

Job ID: 380-124254-1

Job ID: 380-124254-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-124254-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 11/30/2024 10:57 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 17.3°C.

LCMS

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

General Chemistry

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: 24-34849

Job ID: 380-124254-1

Client Sample ID: 24_67144

Lab Sample ID: 380-124254-1

No Detections.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

Client Sample ID: 24_67144

Lab Sample ID: 380-124254-1

Date Collected: 11/25/24 09:30

Matrix: Bottled Water

Date Received: 11/30/24 10:57

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.50	ug/L			12/02/24 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	ND		1.0	ug/L			12/02/24 15:42	1
Methylene Blue Active Substances (SM 5540C)	ND		0.10	mg/L			12/11/24 12:15	1



Action Limit Summary

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

Client Sample ID: 24_67144

Lab Sample ID: 380-124254-1

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	IBWA SOQ Limit	RL	Method	Prep Type
Perchlorate	ND		ug/L	2.000	0.50	331.0	Total/NA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Sample Results

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

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

Lab Sample ID: MBL 380-121383/10
Matrix: Bottled Water
Analysis Batch: 121383

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			12/02/24 09:24	1

Lab Sample ID: LCS 380-121383/11
Matrix: Bottled Water
Analysis Batch: 121383

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perchlorate	34.3	35.3		ug/L		103	80 - 120

Lab Sample ID: MRL 380-121383/1008
Matrix: Bottled Water
Analysis Batch: 121383

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	0.545		ug/L		111	50 - 150

Lab Sample ID: 380-124094-AU-1 MS LMS
Matrix: Bottled Water
Analysis Batch: 121383

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	0.474	J	ug/L		95	50 - 150

Lab Sample ID: 380-124094-AU-1 MSD LMSD
Matrix: Bottled Water
Analysis Batch: 121383

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	0.458	J	ug/L		92	50 - 150	4	50

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 380-121651/13
Matrix: Bottled Water
Analysis Batch: 121651

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			12/02/24 14:51	1

Lab Sample ID: LCS 380-121651/15
Matrix: Bottled Water
Analysis Batch: 121651

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	4.91		ug/L		98	90 - 110

QC Sample Results

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCSD 380-121651/16
Matrix: Bottled Water
Analysis Batch: 121651

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	4.69		ug/L		94	90 - 110	5	20

Lab Sample ID: MRL 380-121651/14
Matrix: Bottled Water
Analysis Batch: 121651

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	0.741	J	ug/L		74	50 - 150

Lab Sample ID: 380-123939-AV-1 MS
Matrix: Bottled Water
Analysis Batch: 121651

Client Sample ID: Matrix Spike
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	5.11		ug/L		102	80 - 120

Lab Sample ID: 380-123939-AV-1 MSD
Matrix: Bottled Water
Analysis Batch: 121651

Client Sample ID: Matrix Spike Duplicate
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	4.89		ug/L		98	80 - 120	4	20

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

Lab Sample ID: MB 380-123156/2
Matrix: Bottled Water
Analysis Batch: 123156

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Blue Active Substances	ND		0.10	mg/L			12/11/24 09:23	1

Lab Sample ID: LCS 380-123156/4
Matrix: Bottled Water
Analysis Batch: 123156

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	0.184		mg/L		92	90 - 110

Lab Sample ID: LCSD 380-123156/5
Matrix: Bottled Water
Analysis Batch: 123156

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	0.196		mg/L		98	90 - 110	6	20

QC Sample Results

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

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

Lab Sample ID: MRL 380-123156/3

Matrix: Bottled Water

Analysis Batch: 123156

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	0.0933	J	mg/L		93	75 - 125

Lab Sample ID: 380-124255-A-1 MS

Matrix: Bottled Water

Analysis Batch: 123156

Client Sample ID: Matrix Spike

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		0.200	0.192		mg/L		96	80 - 120

Lab Sample ID: 380-124255-A-1 MSD

Matrix: Bottled Water

Analysis Batch: 123156

Client Sample ID: Matrix Spike Duplicate

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		0.200	0.196		mg/L		98	80 - 120	2	20

QC Association Summary

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

LCMS

Analysis Batch: 121383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-124254-1	24_67144	Total/NA	Bottled Water	331.0	
MBL 380-121383/10	Method Blank	Total/NA	Bottled Water	331.0	
LCS 380-121383/11	Lab Control Sample	Total/NA	Bottled Water	331.0	
MRL 380-121383/1008	Lab Control Sample	Total/NA	Bottled Water	331.0	
380-124094-AU-1 MS LMS	Matrix Spike	Total/NA	Bottled Water	331.0	
380-124094-AU-1 MSD LMSD	Matrix Spike Duplicate	Total/NA	Bottled Water	331.0	

General Chemistry

Analysis Batch: 121651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-124254-1	24_67144	Total/NA	Bottled Water	420.4	
MB 380-121651/13	Method Blank	Total/NA	Bottled Water	420.4	
LCS 380-121651/15	Lab Control Sample	Total/NA	Bottled Water	420.4	
LCSD 380-121651/16	Lab Control Sample Dup	Total/NA	Bottled Water	420.4	
MRL 380-121651/14	Lab Control Sample	Total/NA	Bottled Water	420.4	
380-123939-AV-1 MS	Matrix Spike	Total/NA	Bottled Water	420.4	
380-123939-AV-1 MSD	Matrix Spike Duplicate	Total/NA	Bottled Water	420.4	

Analysis Batch: 123156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-124254-1	24_67144	Total/NA	Bottled Water	SM 5540C	
MB 380-123156/2	Method Blank	Total/NA	Bottled Water	SM 5540C	
LCS 380-123156/4	Lab Control Sample	Total/NA	Bottled Water	SM 5540C	
LCSD 380-123156/5	Lab Control Sample Dup	Total/NA	Bottled Water	SM 5540C	
MRL 380-123156/3	Lab Control Sample	Total/NA	Bottled Water	SM 5540C	
380-124255-A-1 MS	Matrix Spike	Total/NA	Bottled Water	SM 5540C	
380-124255-A-1 MSD	Matrix Spike Duplicate	Total/NA	Bottled Water	SM 5540C	

Lab Chronicle

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

Client Sample ID: 24_67144

Lab Sample ID: 380-124254-1

Date Collected: 11/25/24 09:30

Matrix: Bottled Water

Date Received: 11/30/24 10:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	331.0		1	121383	R6YA	EA POM	12/02/24 10:29
Total/NA	Analysis	420.4		1	121651	LQ3M	EA POM	12/02/24 15:42
Total/NA	Analysis	SM 5540C		1	123156	ZJ2C	EA POM	12/11/24 12:15

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: 24-34849

Job ID: 380-124254-1

Laboratory: Eurofins Eaton Analytical Pomona

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0833	02-27-25

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		Bottled Water	Phenols, Total

California	State	2813	06-18-25
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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		Bottled Water	Phenols, Total

Connecticut	State	PH-0107	03-31-26
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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		Bottled Water	Phenols, Total

Massachusetts	State	M-CA006	06-30-25
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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		Bottled Water	Phenols, Total
SM 5540C		Bottled Water	Methylene Blue Active Substances

Michigan	State	9906	06-18-25
----------	-------	------	----------

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		Bottled Water	Phenols, Total
SM 5540C		Bottled Water	Methylene Blue Active Substances

New Hampshire	NELAP	2959	03-29-25
---------------	-------	------	----------

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		Bottled Water	Phenols, Total

New Jersey	NELAP	CA008	06-30-25
------------	-------	-------	----------

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		Bottled Water	Phenols, Total

New Mexico	State	CA00006	01-31-25
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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
331.0		Bottled Water	Perchlorate
420.4		Bottled Water	Phenols, Total

Accreditation/Certification Summary

Client: Edge Analytical, Inc
 Project/Site: 24-34849

Job ID: 380-124254-1

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11320	04-01-25

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		Bottled Water	Phenols, Total

Pennsylvania	NELAP	68-00565	10-31-25
--------------	-------	----------	----------

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		Bottled Water	Phenols, Total

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		Bottled Water	Phenols, Total

Vermont	State	VT-0114	12-28-24
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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		Bottled Water	Phenols, Total



Method Summary

Client: Edge Analytical, Inc
Project/Site: 24-34849

Job ID: 380-124254-1

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: 24-34849

Job ID: 380-124254-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-124254-1	24_67144	Bottled Water	11/25/24 09:30	11/30/24 10:57

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



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 97140	503.682.7802
Corvallis, OR	MicrobiologyChem (d)	540 SW Third Street	Corvallis OR 97333	541.753.4946
Bend, OR	MicrobiologyChem (e)	2032 Empire Ave, Ste F4	Bend, OR 97703	541.639.8425



380-124254 COC

Subcontract Work Order

Laboratory Name: EUROFINS Eaton Analytical - Pamona
 941 Corporate Center Dr
 Pamona, CA 91768-2642
 Project: 1296-782 50 State Purified FP

Date: 11/25/2024
 Reference Number: 24-34849
 Date Due: 12/19/2024

Sample ID: 24_67144	Sample Origin: MI	Matrix: Bottled Drinking	Date Sampled: 11/25/2024 09:30
Analyte Name	Units	PQL	

<u>Analytical Method:</u> 331.0	<u>Prep Method:</u>	
PERCHLORATE	mg/L	0.00005
<u>Analytical Method:</u> 420.4	<u>Prep Method:</u>	
TOTAL PHENOLIC COMPOUNDS	ug/L	1
<u>Analytical Method:</u> SM5540 C	<u>Prep Method:</u>	
MBAS (Surfactants)	mg/L	



PRODUCT

Bottle Water Product Container

valid date dependent on on n ing of con anc

Please send results to: subcontract@edgeanalytical.com

DDS 11/25/2024 13:30

Ray Cal
 Received By _____
 11/30/24 1057 yps
 Date _____ Time _____

Date _____ Time _____



Login Sample Receipt Checklist

Client: Edge Analytical, Inc

Job Number: 380-124254-1

Login Number: 124254

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Edrosa, Rey

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.	False	Thermal preservation not required.
Cooler(s) Temperature is acceptable.	True	Cooler temperature outside limits, acceptable per client data quality objectives
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").	N/A	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	False	Samples were provided by the client in sealed finished product containers.



December 05, 2024

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

RE: Project: 24-34849
Pace Project No.: 35921796

Dear Lawrence Henderson:

Enclosed are the analytical results for sample(s) received by the laboratory on November 27, 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.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 24-34849

Pace Project No.: 35921796

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

Nevada Certification: FL NELAC Reciprocity

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

Utah

Utah FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: 24-34849
Pace Project No.: 35921796

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35921796001	24_67144	Drinking Water	11/27/24 16:20	11/27/24 16:21

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SAMPLE ANALYTE COUNT

Project: 24-34849
Pace Project No.: 35921796

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35921796001	24_67144	EPA 537.1	TMM1	22	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: 24-34849

Pace Project No.: 35921796

Sample: 24_67144 **Lab ID:** 35921796001 Collected: 11/27/24 16:20 Received: 11/27/24 16:21 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									
11CI-PF3OUdS	1.6 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	763051-92-9	
9CI-PF3ONS	1.1 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	756426-58-1	
ADONA	0.73 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	919005-14-4	
HFPO-DA	1.7 U	ng/L	2.0	370	1	12/02/24 23:33	12/04/24 11:35	13252-13-6	
NEtFOSAA	0.94 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	2991-50-6	
NMeFOSAA	1.6 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	2355-31-9	
PFBS	0.67 U	ng/L	2.0	420	1	12/02/24 23:33	12/04/24 11:35	375-73-5	
PFDA	0.98 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	335-76-2	
PFHxA	1.3 U	ng/L	2.0	400000	1	12/02/24 23:33	12/04/24 11:35	307-24-4	
PFDoA	1.5 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	307-55-1	
PFHpA	1.0 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	375-85-9	
PFHxS	0.74 U	ng/L	2.0	51	1	12/02/24 23:33	12/04/24 11:35	355-46-4	
PFNA	2.0 U	ng/L	2.0	6	1	12/02/24 23:33	12/04/24 11:35	375-95-1	
PFOS	1.2 U	ng/L	2.0	16	1	12/02/24 23:33	12/04/24 11:35	1763-23-1	
PFOA	0.88 U	ng/L	2.0	8	1	12/02/24 23:33	12/04/24 11:35	335-67-1	
PFTeDA	1.9 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	376-06-7	
PFTrDA	1.8 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	72629-94-8	
PFUnA	2.0 U	ng/L	2.0		1	12/02/24 23:33	12/04/24 11:35	2058-94-8	
Surrogates									
13C2-PFDA (S)	94	%	70-130		1	12/02/24 23:33	12/04/24 11:35		
13C2-PFHxA (S)	100	%	70-130		1	12/02/24 23:33	12/04/24 11:35		
NEtFOSAA-d5 (S)	94	%	70-130		1	12/02/24 23:33	12/04/24 11:35		
HFPO-DAS (S)	100	%	70-130		1	12/02/24 23:33	12/04/24 11:35		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 24-34849

Pace Project No.: 35921796

QC Batch: 1060283

Analysis Method: EPA 537.1

QC Batch Method: EPA 537.1

Analysis Description: 537.1 PFOA Compounds, Water

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35921796001

METHOD BLANK: 5825008

Matrix: Water

Associated Lab Samples: 35921796001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ng/L	1.6 U	2.0	12/04/24 10:48	
9CI-PF3ONS	ng/L	1.2 U	2.0	12/04/24 10:48	
ADONA	ng/L	0.74 U	2.0	12/04/24 10:48	
HFPO-DA	ng/L	1.7 U	2.0	12/04/24 10:48	
NETFOSAA	ng/L	0.95 U	2.0	12/04/24 10:48	
NMeFOSAA	ng/L	1.6 U	2.0	12/04/24 10:48	
PFBS	ng/L	0.68 U	2.0	12/04/24 10:48	
PFDA	ng/L	0.99 U	2.0	12/04/24 10:48	
PFDaA	ng/L	1.5 U	2.0	12/04/24 10:48	
PFHpA	ng/L	1.0 U	2.0	12/04/24 10:48	
PFHxA	ng/L	1.3 U	2.0	12/04/24 10:48	
PFHxS	ng/L	0.75 U	2.0	12/04/24 10:48	
PFNA	ng/L	2.0 U	2.0	12/04/24 10:48	
PFOA	ng/L	0.89 U	2.0	12/04/24 10:48	
PFOS	ng/L	1.2 U	2.0	12/04/24 10:48	
PFTeDA	ng/L	1.9 U	2.0	12/04/24 10:48	
PFTrDA	ng/L	1.8 U	2.0	12/04/24 10:48	
PFUnA	ng/L	2.0 U	2.0	12/04/24 10:48	
13C2-PFDA (S)	%	91	70-130	12/04/24 10:48	
13C2-PFHxA (S)	%	102	70-130	12/04/24 10:48	
HFPO-DAS (S)	%	99	70-130	12/04/24 10:48	
NETFOSAA-d5 (S)	%	97	70-130	12/04/24 10:48	

LABORATORY CONTROL SAMPLE: 5825009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	151	124	82	70-130	
9CI-PF3ONS	ng/L	150	135	90	70-130	
ADONA	ng/L	151	142	94	70-130	
HFPO-DA	ng/L	160	149	93	70-130	
NETFOSAA	ng/L	160	142	89	70-130	
NMeFOSAA	ng/L	160	146	91	70-130	
PFBS	ng/L	142	132	93	70-130	
PFDA	ng/L	160	142	89	70-130	
PFDaA	ng/L	160	140	88	70-130	
PFHpA	ng/L	160	147	92	70-130	
PFHxA	ng/L	160	146	91	70-130	
PFHxS	ng/L	146	135	92	70-130	
PFNA	ng/L	160	139	87	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

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QUALITY CONTROL DATA

Project: 24-34849

Pace Project No.: 35921796

LABORATORY CONTROL SAMPLE: 5825009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PFOA	ng/L	160	148	92	70-130	
PFOS	ng/L	148	136	92	70-130	
PFTeDA	ng/L	160	141	88	70-130	
PFTrDA	ng/L	160	138	86	70-130	
PFUnA	ng/L	160	140	87	70-130	
13C2-PFDA (S)	%			95	70-130	
13C2-PFHxA (S)	%			101	70-130	
HFPO-DAS (S)	%			102	70-130	
NEtFOSAA-d5 (S)	%			96	70-130	

LABORATORY CONTROL SAMPLE: 5825010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ng/L	1.9	1.6 U	75	50-150	
9CI-PF3ONS	ng/L	1.9	1.5 I	80	50-150	
ADONA	ng/L	1.9	1.7 I	92	50-150	
HFPO-DA	ng/L	2	1.8 I	89	50-150	
NEtFOSAA	ng/L	2	1.7 I	83	50-150	
NMeFOSAA	ng/L	2	1.7 I	87	50-150	
PFBS	ng/L	1.8	1.4 I	82	50-150	
PFDA	ng/L	2	1.6 I	78	50-150	
PFDaA	ng/L	2	1.6 I	79	50-150	
PFHpA	ng/L	2	1.8 I	88	50-150	
PFHxA	ng/L	2	1.7 I	87	50-150	
PFHxS	ng/L	1.8	1.7 I	93	50-150	
PFNA	ng/L	2	2.1	104	50-150	
PFOA	ng/L	2	2.3	114	50-150	
PFOS	ng/L	1.9	1.6 I	88	50-150	
PFTeDA	ng/L	2	1.9 U	85	50-150	
PFTrDA	ng/L	2	1.8 U	85	50-150	
PFUnA	ng/L	2	2.0 U	81	50-150	
13C2-PFDA (S)	%			91	70-130	
13C2-PFHxA (S)	%			105	70-130	
HFPO-DAS (S)	%			104	70-130	
NEtFOSAA-d5 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5825011 5825012

Parameter	Units	MS 35921796001		MSD		MS 5825011		MSD 5825012		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec			
11CI-PF3OUdS	ng/L	1.6 U	144	121	136	118	94	97	70-130	14	30	
9CI-PF3ONS	ng/L	1.1 U	142	120	135	115	95	96	70-130	16	30	
ADONA	ng/L	0.73 U	144	121	140	121	97	100	70-130	14	30	
HFPO-DA	ng/L	1.7 U	152	128	152	129	100	100	70-130	16	30	

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QUALITY CONTROL DATA

Project: 24-34849

Pace Project No.: 35921796

Parameter	Units	5825011		5825012		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		35921796001 Result	MS Spike Conc.	MSD Spike Conc.									
NEtFOSAA	ng/L	0.94 U	152	128	146	122	96	95	70-130	18	30		
NMeFOSAA	ng/L	1.6 U	152	128	147	124	97	97	70-130	17	30		
PFBS	ng/L	0.67 U	134	114	136	115	101	102	70-130	16	30		
PFDA	ng/L	0.98 U	152	128	143	124	94	97	70-130	14	30		
PFDoA	ng/L	1.5 U	152	128	147	125	97	98	70-130	16	30		
PFHpA	ng/L	1.0 U	152	128	146	128	96	99	70-130	13	30		
PFHxA	ng/L	1.3 U	152	128	145	125	95	97	70-130	15	30		
PFHxS	ng/L	0.74 U	139	117	138	121	100	104	70-130	13	30		
PFNA	ng/L	2.0 U	152	128	144	126	95	98	70-130	13	30		
PFOA	ng/L	0.88 U	152	128	149	130	98	102	70-130	14	30		
PFOS	ng/L	1.2 U	141	119	137	123	97	103	70-130	11	30		
PFTeDA	ng/L	1.9 U	152	128	145	125	96	97	70-130	15	30		
PFTrDA	ng/L	1.8 U	152	128	144	125	95	98	70-130	14	30		
PFUnA	ng/L	2.0 U	152	128	144	126	95	98	70-130	14	30		
13C2-PFDA (S)	%						98	96	70-130				
13C2-PFHxA (S)	%						102	101	70-130				
HFPO-DAS (S)	%						103	107	70-130				
NEtFOSAA-d5 (S)	%						98	93	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 24-34849

Pace Project No.: 35921796

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-34849
Pace Project No.: 35921796

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35921796001	24_67144	EPA 537.1	1060283	EPA 537.1	1060358

REPORT OF LABORATORY ANALYSIS

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Burlington, WA	Corporate Laboratory (a)	1820 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 97170	503.682.7602
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: Pace Analytical - Ormond Beach FL
 8 East Tower Circle
 Ormond Beach, FL 32174
 Project: 1296-782 50 State Purified FP

Date: 11/25/2024
 Reference Number: **24-34849**
 Date Due: **12/19/2024**

Sample ID: 24_67144	Sample Origin: MI	Matrix: Bottled Drinking	Date Sampled: 11/25/2024 09:30
Analyte Name	Units	PQL	

Analytical Method: 537.1

Prep Method:

11-CHLOROICOSAFLUORO-3-OXAUNDECANE-1-SULFON	ng/L
4,8-DIOXA-3H-PERFLUORONONANOIC ACID (DONA, ADON	ng/L
9-CHLOROHEXADECAFLUORO-3-OXANONANE-1-SULFONIC	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

PRODUCT

WO# : 35921796



Please send results to: subcontract@edgeanalytical.com

DDS 11/26/24 13:21

Relinquished by _____

Date _____ Time _____

Received By AS/pace 11

Date 11/27/24 1040 Time _____

CHAIN-OF-CUSTODY Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here



Scan QR Code for instructions

Company Name: Edge Analytical, Inc.
 Street Address: 1620 S. Walnut St.
 Burlington, WA 98233

Contact/Report To: Lawrence Henderson
 Phone #: 800-755-9295
 E-Mail: ljh@edgeanalytical.com
 Cc E-Mail:

Customer Project #: 24-34849
 Project Name:

Invoice To: Accounts Payable
 Invoice E-Mail: accounting@edgeanalytical.com
 Purchase Order # (if applicable):
 Quote #:

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [] AK [] MT [] CT [] ET [] No
 Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No

Rush (Pre-approval required):
 [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other [] Yes [] No
 DW PWSID # or WW Permit # as applicable:

Date Results Requested:
 [] Other

* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Blossoid (BS), Other (OT)

Customer Sample ID

Matrix *	Comp / Grab	Composite Start Date	Time	Composite End Date	Time	# Cont.	Res. Chlorine Results	Units
24_67144	DW			11-27-24	1620	3		

Field Filtered (if applicable): [] Yes [] No
 Analysis:

537.1 PFAS Compounds, Water

Proj. Mgr: **Martha Montero**
 AcctNum / Client ID:
 Table #:
 Profile / Template: **4152**
 Prelog / Bottle Ord. ID: **EZ 3177542**

Preservation non-conformance identified for sample:

Additional Instructions from Pace*:

Collected By: *Lawrence Henderson*
 (Printed Name)
 Signature:

Customer Remarks / Special Conditions / Possible Hazards:

Relinquished by/Company: (Signature) *SBS/Pace*
 Date/Time: *11-27-24 1627*

Received by/Company: (Signature) *Jackie Ginter*
 Date/Time: *11-27-24 1627*

Received by/Company: (Signature) *SBS/Pace*
 Date/Time: *11-27-24 1627*

Tracking Number:
 Delivered by: [] In-Person [] Courier
 [] FedEx [] UPS [] Other

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Received by/Company: (Signature)

Date/Time:

Page: **1** of **1**

Pace Container Order #3177542

martha.montero@pacelabs.com

Addresses

Order By :	Ship To :	Return To:
Company <u>Edge Analytical, Inc.</u>	Company <u>Edge Analytical, Inc.</u>	Company <u>Ormond Beach, FL (Pace Analytical</u>
Contact <u>Lawrence Henderson</u>	Contact <u>PACE POUR UP</u>	Contact <u>Martha Montero</u>
Email <u>ljh@edgeanalytical.com</u>	Email <u>ljh@edgeanalytical.com</u>	Email <u>martha.montero@pacelabs.com</u>
Address <u>1620 S. Walnut St.</u>	Address <u>PACE POUR UP</u>	Address <u>8 East Tower Circle</u>
Address 2 _____	Address 2 _____	Address 2 _____
City <u>Burlington</u>	City <u>Burlington</u>	City <u>Ormond Beach</u>
State <u>WA</u> Zip <u>98233</u>	State <u>WA</u> Zip <u>98233</u>	State <u>FL</u> Zip <u>32174</u>
Phone <u>800-755-9295</u>	Phone <u>800-755-9295</u>	Phone <u>(386)672-5668</u>

Info

Project Name <u>24-34849</u>	Due Date <u>12/02/2024</u>	Profile <u>4152</u>	Quote _____
Project Manager <u>Montero, Martha</u>	Return Date _____	Carrier <u>Other</u>	Location <u>MN</u>

Return Shipping Labels

Return Label Type

No Shipper

With Shipper

Bottle Labels

Blank

Pre-Printed No Sample IDs

Pre-Printed With Sample IDs

Bottles

Boxed Cases

Individually Wrapped

Grouped By Sample ID/Matrix

Trip Blanks

Include Trip Blanks

Misc

<input type="checkbox"/> Sampling Instructions	<input type="checkbox"/> Extra Bubble Wrap
<input type="checkbox"/> Custody Seal	<input type="checkbox"/> Short Hold/Rush Stickers
<input type="checkbox"/> Temp. Blanks	<input type="checkbox"/> DI Water <input type="text"/>
<input type="checkbox"/> Coolers <input type="text"/>	<input type="checkbox"/> USDA Regulated Soils
<input type="checkbox"/> Syringes <input type="text"/>	<input type="checkbox"/> Dry Weight <input type="text"/>

COC Options

Number of Blanks

Pre-Printed

# of Samp Matrix	Analysis	Qty / Samp	Container	Total	# of QC	Lot #	Notes
1	DW 537.1 PFAS Compounds, Water	3	250mL plastic Trizma	3		M428902BB	

Hazard Shipping Placard In Place : N/A

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to ensure proper billing.

Sample Notes :

LAB USE:

Ship Date : 11/27/2024

Prepared By: KWT

Verified By: _____

CLIENT USE (Optional):

Date Rec'd: _____

Received By: _____

WO#: 35921796

PM: MIM

Due Date: 12/20/24

CLIENT: EDGANA

Pace

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents: SPS

Verifying pH:

Thermometer Used: T-424

Date: 11-27-24

Time: 1058

Initials: AVJ

State of Origin:

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

Cooler #1 Temp. °C 28 (Visual) -0.3 (Correction Factor) 25 (Actual)

Cooler #2 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)

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 Other:

Tracking # 7702 6395 0277

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

Packing Material: Bubble Wrap Bubble Bags None Other:

Ice: Wet Blue Dry None Melted

Samples shorted to lab: Yes No (If yes, complete the following)

Shorted Date:

Bottle Quantity / Type:

Shorted Time:

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

All containers needing preservation are found to be in compliance with EPA recommendation: Yes No N/A

Exceptions: Vials, Microbiology, O&G, PFAS

Headspace in Volatile Vials? (>6mm): Yes No N/A

Trip Blank Present: Yes No N/A

Comments / Resolutions (use back for additional comments):

pour up into extra volume

labeled by: SPS

Reviewed by: ZRB

Delivered by: ZRB

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:

December 9, 2024

Report Information:

Pace Project #: 10717320
Sample Receipt Date: 12/02/2024
Client Project #: 24-34849
Client Sub PO #: N/A
State Cert #: 9909

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:



December 09, 2024

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



Report of Laboratory Analysis

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The results relate only to the samples included in this report.



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

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-DW	27700
Colorado	MN00064	North Carolina-WW	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (1700)	CL101
Hawaii	MN00064	Ohio-VAP (1800)	CL110
Idaho	MN00064	Oklahoma	9507
Illinois	200011	Oregon-Primary	MN300001
Indiana	C-MN-01	Oregon-Secondary	MN200001
Iowa	368	Pennsylvania	68-00563
Kansas	E-10167	Puerto Rico	MN00064
Kentucky-DW	90062	South Carolina	74003
Kentucky-WW	90062	Tennessee	TN02818
Louisiana-DEQ	AI-84596	Texas	T104704192
Louisiana-DW	MN00064	Utah	MN00064
Maine	MN00064	Vermont	VT-027053137
Maryland	322	Virginia	460163
Michigan	9909	Washington	C486
Minnesota	027-053-137	West Virginia-DEP	382
Minnesota-Ag	via MN 027-053-137	West Virginia-DW	9952C
Minnesota-Petrofund	1240	Wisconsin	999407970
Mississippi	MN00064	Wyoming-UST	via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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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

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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: Pace Analytical Services, Inc.
 1700 Elm Street
 Minneapolis, MN 55414
 Project: 1296-782 50 State Purified FP

Date: 11/25/2024
 Reference Number: 24-34849
 Date Due: 12/19/2024

Sample ID: 24_67144	Sample Origin: MI	Matrix: Bottled Drinking	Date Sampled: 11/25/2024 09:30
Analyte Name		Units	PQL

<u>Analytical Method:</u> 1613	<u>Prep Method:</u>
DIOXIN (2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN)	pg/L

5 *col*

PRODUCT

WO#: 10717320



Please send results to: subcontract@edgeanalytical.com

DDS 11/25/2024 13:30 _____
 Relinquished by _____

 Date Time

[Signature]
 Received By _____
 12/2/24 8:50
 Date Time

ENV-FRM-MIN4-0150 v17_Sample Condition Upon Receipt

CLIENT NAME: Edge PROJECT #: _____

WO#: 10717320
 PM: KNH Due Date: 12/16/24
 CLIENT: Edge

COURIER: Client Commercial FedEx Pace
 Speedee UPS USPS

TRACKING NUMBER: 1Z 741 247 634 411 8426 See Exceptions form ENV-FRM-MIN4-0142

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
 Thermometer: T1 (0461) T2 (0436) T3 (0459) T4 (0402) T5 (0178) T6 (0235) Melted None
 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: _____ Cooler Temp Read w/Temp Blank: Ambs °C Average Corrected Temp (no Temp Blank Only): _____ °C
 Cooler Temp Corrected w/Temp Blank: _____ °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: EN 12/24
 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):	<input type="checkbox"/> DULUTH	<input checked="" type="checkbox"/> MINNEAPOLIS	<input type="checkbox"/> VIRGINIA	YES	NO	N/A	COMMENT(S)								
Chain of Custody Present and Filled Out?		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		1.								
Chain of Custody Relinquished?		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		2.								
Sampler Name and/or Signature on COC?		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3.								
Samples Arrived within Hold Time?		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		4. If Fecal: <input type="checkbox"/> <8 hrs <input type="checkbox"/> >8 hr, <24 hr <input type="checkbox"/> No								
Short Hold Time Analysis (<72 hr)?		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		5. <input type="checkbox"/> BOD / cBOD <input type="checkbox"/> Fecal coliform <input type="checkbox"/> Hex Chrom <input type="checkbox"/> HPC <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Ortho Phos <input type="checkbox"/> Total coliform/E. coli <input type="checkbox"/> Other: _____								
Rush Turn Around Time Requested?		<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		6.								
Sufficient Sample Volume?		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		7.								
Correct Containers Used?		<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.								
- Pace Containers Used?		<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>										
Containers Intact?		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		9.								
Field Filtered Volume Received for Dissolved Tests?		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Is sediment visible in the dissolved container: <input type="checkbox"/> YES <input type="checkbox"/> 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: <input type="checkbox"/> Oil <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Water <input type="checkbox"/> Other		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		11. If NO, write ID/Date/Time of container below: <input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0142								
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , < 2 pH, NaOH > 9 Sulfide, NaOH > 10 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil & Grease, DRO/8015 (water) and Dioxins/PFAS 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.		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Sample #: <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> Zinc Acetate Positive for Residual Chlorine: <input type="checkbox"/> YES <input type="checkbox"/> NO pH Paper Lot # <table border="1"> <tr> <th>Residual Chlorine</th> <th>0-6 Roll</th> <th>0-6 Strip</th> <th>0-14 Strip</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0142	Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip				
Residual Chlorine	0-6 Roll	0-6 Strip	0-14 Strip												
Headspace in Methyl Mercury Container?		<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		13.								
Extra labels present on soil VOA or WIDRO containers?		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14.								
Headspace in VOA Vials (greater than 6mm)?		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> See Exceptions form ENV-FRM-MIN4-0140								
Trip Blanks Present?		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15.								
Trip Blank Custody Seals Present?		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pace Trip Blank Lot # (if purchased): <u>NA</u>								

CLIENT NOTIFICATION / RESOLUTION FIELD DATA REQUIRED: YES NO
 Person Contacted: _____ Date & Time: _____
 Comments / Resolution: _____

Project Manager Review: Carolynne Trout Date: 12/2/24
 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: [Signature] Line: 2



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

Te612-607-1700
Fax612-607-6444

Sample ID.....24_67144
Client..... Edge Analytical
Lab Sample ID..... 10717320001

Date Collected.....11/25/2024
Date Received.....12/02/2024
Date Extracted.....12/04/2024

	Sample 24_67144	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	--	--	127%	128%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			0.7%	
IS Recovery	61%	50%	52%	53%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	70%	64%	61%	66%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%

Filename	E241206B_17	E241206B_06	E241206B_04	E241206B_05
Analysis Date	12/06/2024	12/06/2024	12/06/2024	12/06/2024
Analysis Time	17:30	11:41	10:38	11:09
Analyst	JF	JF	JF	JF
Volume	0.979L	0.986L	0.984L	0.998L
Dilution	NA	NA	NA	NA
ICAL Date	09/26/2024	09/26/2024	09/26/2024	09/26/2024
CCAL Filename	E241206B_03	E241206B_03	E241206B_03	E241206B_03

- ! = 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-¹³C₁₂]
- CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: 

Project No.....10717320



December 23, 2024

Results
Edge Analytical
1620 South Walnut Street
Burlington, WA 98233

RE: Project: 24-34849
Pace Project No.: 30738266

Dear Results:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 24-34849
Pace Project No.: 30738266

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 24-34849
Pace Project No.: 30738266

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30738266001	24_67144	Drinking Water	11/25/24 09:30	12/02/24 17:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 24-34849
Pace Project No.: 30738266

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30738266001	24_67144	SM 7500RnB-1996	CS2	1	PASI-PA
		EPA 900.0	KET	2	PASI-PA
		EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	JJS1	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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PROJECT NARRATIVE

Project: 24-34849
Pace Project No.: 30738266

Date: December 23, 2024

24_67144 (Lab ID: 30738266001)

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REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 24-34849
Pace Project No.: 30738266

Method: SM 7500RnB-1996
Description: 7500RnB Radon
Client: EDGE Analytical Laboratories
Date: December 23, 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.

- H3: Sample was received or analysis requested beyond the recognized method holding time.
- 24_67144 (Lab ID: 30738266001)

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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 24-34849
Pace Project No.: 30738266

Method: EPA 900.0
Description: 900.0 Gross Alpha/Beta
Client: EDGE Analytical Laboratories
Date: December 23, 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 24-34849
Pace Project No.: 30738266

Method: EPA 903.1
Description: 903.1 Radium 226, DW
Client: EDGE Analytical Laboratories
Date: December 23, 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:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 24-34849
Pace Project No.: 30738266

Method: EPA 904.0
Description: 904.0 Radium 228, DW
Client: EDGE Analytical Laboratories
Date: December 23, 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.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 24-34849
 Pace Project No.: 30738266

Sample: 24_67144 **Lab ID: 30738266001** Collected: 11/25/24 09:30 Received: 12/02/24 17:00 Matrix: Drinking Water
 PWS: Site ID: Sample Type:

- Comments:
- Sample collection dates and times were not present on the sample containers.
 - 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.
 - Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis, where the method requires preservation, in drinking water. The samples were not preserved pH <2 within the required 5 days of collection (EPA 815-R-05-004).
 - Received two bottles broken; limited volume for analysis; transferred 4 X received bottles to BP1U bottles; BP1U 2 of 2 has roughly 700 ml volume.
 - The sampler's name and signature were not listed on the COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radon	SM 7500RnB-1996	65.5 ± 88.3 (149) C:NA T:NA	pCi/L	12/04/24 04:47	10043-92-2	H3
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	-0.269 ± 0.554 (1.88) C:NA T:NA	pCi/L	12/17/24 08:20	12587-46-1	
Gross Beta	EPA 900.0	1.31 ± 0.770 (1.45) C:NA T:NA	pCi/L	12/17/24 08:20	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	0.0572 ± 0.336 (0.686) C:NA T:95%	pCi/L	12/20/24 13:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	0.185 ± 0.326 (0.718) C:77% T:78%	pCi/L	12/20/24 11:28	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-34849
 Pace Project No.: 30738266

QC Batch: 713466	Analysis Method: EPA 903.1
QC Batch Method: EPA 903.1	Analysis Description: 903.1 Radium-226, DW
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30738266001

METHOD BLANK: 3474948 Matrix: Drinking Water

Associated Lab Samples: 30738266001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.569 ± 0.412 (0.574) C:NA T:93%	pCi/L	12/20/24 13:57	

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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-34849
 Pace Project No.: 30738266

QC Batch: 713467	Analysis Method: EPA 904.0
QC Batch Method: EPA 904.0	Analysis Description: 904.0 Radium 228, DW
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30738266001

METHOD BLANK: 3474950 Matrix: Drinking Water

Associated Lab Samples: 30738266001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.862 ± 0.414 (0.770) C:74% T:82%	pCi/L	12/20/24 11:28	

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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-34849
 Pace Project No.: 30738266

QC Batch: 713004	Analysis Method: SM 7500RnB-1996
QC Batch Method: SM 7500RnB-1996	Analysis Description: 7500Rn B Radon
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30738266001

METHOD BLANK: 3471866 Matrix: Water
 Associated Lab Samples: 30738266001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radon	9.8 ± 17.8 (30.2) C:NA T:NA	pCi/L	12/04/24 03:40	

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.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: 24-34849
 Pace Project No.: 30738266

QC Batch: 714066	Analysis Method: EPA 900.0
QC Batch Method: EPA 900.0	Analysis Description: 900.0 Gross Alpha/Beta
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 30738266001

METHOD BLANK: 3477815 Matrix: Water

Associated Lab Samples: 30738266001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	-0.156 ± 0.632 (1.82) C:NA T:NA	pCi/L	12/17/24 08:48	
Gross Beta	0.010 ± 0.739 (1.84) C:NA T:NA	pCi/L	12/17/24 08:48	

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.

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QUALIFIERS

Project: 24-34849
Pace Project No.: 30738266

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

H3 Sample was received or analysis requested beyond the recognized method holding time.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-34849
Pace Project No.: 30738266

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30738266001	24_67144	SM 7500RnB-1996	713004		
30738266001	24_67144	EPA 900.0	714066		
30738266001	24_67144	EPA 903.1	713466		
30738266001	24_67144	EPA 904.0	713467		

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Burlington, WA	Corporate Laboratory (a)	1820 S Walnut St	Burlington, WA 98233	800.755.9255 • 360.757.1400
Bellingham, WA	Micobiology(b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	MicobiologyChem (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97170	503.662.7602
Corvallis, OR	MicobiologyChem (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946
Bend, OR	MicobiologyChem (e)	2032 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: 1296-782 50 State Purified FP

Date: 11/25/2024
 Reference Number: 24-34849
 Date Due: 12/19/2024

Sample ID: 24_67144	Sample Origin: MI	Matrix: Bottled Drinking	Date Sampled: 11/25/2024 09:30
Analyte Name		Units	PQL

<u>Analytical Method:</u> 900.0	<u>Prep Method:</u>
GROSS ALPHA	pCi/L
GROSS BETA	pCi/L
<u>Analytical Method:</u> 903.1	<u>Prep Method:</u>
RADIUM 226	pCi/L
<u>Analytical Method:</u> 904.0	<u>Prep Method:</u>
RADIUM 228	pCi/L
<u>Analytical Method:</u> SM7500-Rn B	<u>Prep Method:</u>
RADON	pCi/L

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

PRODUCT



Please send results to: subcontract@edgeanalytical.com

DDS 11/25/2024 13:30

Relinquished By _____

Date _____ Time _____

Received By Y. P. [Signature] ps 12/2/24 ps 12/2/24
12/2/24 9:40 18:00
 Date _____ Time _____ 17:00

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-
Greensburg

Effective Date: 01/04/2024

WO# : 30738266

PM: CMC Due Date: 12/24/24
CLIENT: EDGE

Client Name: Edge

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking Number: 1Z 741 W47 034 510 5413

Examined By: ps 12/12/24
Labeled By: ps 12/12/24
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#	D.P.D. Residual Chlorine Lot #
				1001041	
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: <u>DW</u>		/		5.	<u>no date (time on bottles)</u>
Samples Arrived within Hold Time:	/			6.	
Short Hold Time Analysis (<72hr remaining):	/			7.	
Rush Turn Around Time Requested:		/		8.	
Sufficient Volume:		/		9.	<u>limited volume.</u>
Correct Containers Used: -Pace Containers Used	/			10.	
Containers Intact:		/		11.	<u>- Received 2 x bottles broken</u>
Orthophosphate field filtered:			/	12.	<u>* limited volume</u>
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, <u>Radon</u> non-aqueous matrix	/			16.	<u>added 2.5 ml HNO3 to bottles / Radon</u>
All containers meet method preservation requirements:		/		Initial when completed	PS Date/Time of Preservation <u>12/12/24 17:00</u>
				Lot# of added Preservative	<u>30209709</u>
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	PS Date: <u>12/12/24</u> Survey Meter SN: <u>25014380</u>
Comments: <u>- transferred 4 x received bottles to BPIU bottles. BPIU 2 of 2 has roughly 700 mL volume.</u>					

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

Client

Profile/EZ Login Number 663

Notes

Page 1 of 1

Sample Line Item	Matrix	Amber Glass					Plastic					Vials					Other														
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VOAK	WG9U	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N					
001	DW																														

Container Codes

Glass	
GJN	1 Gallon Jug with HNO3
AG5U	100mL amber glass unpreserved
AG5T	100mL amber glass Na Thiosulfate
GJN	1G
AG1S	1L
AG1H	1L
AG1T	1L
BG1U	1L
AG3S	250mL amber glass unpreserved
AG3U	250mL amber glass unpreserved

WO# : 30738266
 PM: CMC
 CLIENT: EDGE
 Due Date: 12/24/24
 General

Plastic/Misc.	
GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	120mL colliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3B	250mL plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
I	Wipe/Swab
ZPLC	Siploc Bag

WT	Water
SL	Solid
OL	Non-Aq Liquid
WP	Wipe

Qualtrax ID: 55678

Pace Analytical Services, LLC

January 17, 2025

Page 1 of 1

Justine Deschuiteneer
Boxed Water is Better
4433 Holland Avenue
Holland, MI 49424

RE: 25-00343 - 1296-782

Dear Justine Deschuiteneer,

Your project: 1296-782, was received on Tuesday January 07, 2025.

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

BOTTLED WATER STANDARD OF QUALITY REPORT

Client Name: **Boxed Water is Better**
4433 Holland Avenue
Holland, MI 49424

Reference Number: **25-00343**

Authorized by:



Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Project: 1296-782
Field ID: 1296-782
Sample Description: Purified Finished Product Line: 1
Sampled By:
Sample Date: 01/07/2025

Lab Number: **583**
Report Date: 01/17/2025
Approved By: bj

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method	Analyzed	Lab	COMMENT
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	11	500	10	mg/L	SM2540 C	1/13/25	a	
E-10184	ELECTRICAL CONDUCTIVITY	11.8	700	10	uS/cm	SM2510 B	1/10/25	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.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00343**

Report Date: 01/17/25

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
EC_250110R	0 ELECTRICAL CONDUCTIVITY	102	100	uS/cm	SM2510 B	102	85-115		CAL	
Laboratory Fortified Blank										
EC_250110R	0 ELECTRICAL CONDUCTIVITY	102	100	uS/cm	SM2510 B	102	90-110		LFB	
Method Blank										
EC_250110R	0 ELECTRICAL CONDUCTIVITY	ND		uS/cm	SM2510 B		0-10		MB	
tds_250108	0 TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
Quality Control Sample										
EC_250110R	0 ELECTRICAL CONDUCTIVITY	141	146.9	uS/cm	SM2510 B	96	90-110		QCS	
tds_250108	0 TOTAL DISSOLVED SOLIDS (TDS)	492	500	mg/L	SM2540 C	98	80-120		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.

FORM: QCIndependent4.rpt



**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate
and Confirmation Result Report

Reference Number: **25-00343**

Report Date: 1/17/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
EC_250110R									
E-10184	583	ELECTRICAL CONDUCTIVITY	11.8	11.9	uS/cm	0.8	0-20		
E-10184	909	ELECTRICAL CONDUCTIVITY	159	160	uS/cm	0.6	0-20		
E-10184	927	ELECTRICAL CONDUCTIVITY	171	172	uS/cm	0.6	0-20		
E-10184	1691	ELECTRICAL CONDUCTIVITY	11600	11700	uS/cm	0.9	0-20		
tds_250108									
E-10173	222	TOTAL DISSOLVED SOLIDS (TDS)	36	40	mg/L	10.5	0-5	INH	
E-10173	1013	TOTAL DISSOLVED SOLIDS (TDS)	690	686	mg/L	0.6	0-5		

%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 an 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.

FORM: QC Dependent_Port.rpt

Qualifier Definitions

Reference Number: 25-00343

Report Date: 01/17/25

Qualifier	Definition
INH	The sample was non-homogeneous

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

25-00343

1296-782-30

INVOICE TO/SEND ORIGINAL REPORT TO: Compliance Designs 159 South Stark Highway Weare, New Hampshire 03281 Tel (603) 273-0954 Fax (603) 695-7318		CLIENT NAME TO APPEAR ON REPORT: Boxed Water is Better 4433 Holland Avenue Holland MI 49424		LAB USED: Edge Analytical	ORDER # Product
PROJECT NAME: 2024 Annual		PROJECT #: 1296		TURNAROUND TIME: STND/BUT ASAP	PWS #:
SAMPLE NUMBER	DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION AND PRODUCTION CODE		NUMBER OF CONTAINERS	ANALYSIS REQUIRED
1296-782	Date & Time	Purified Finished Product			TDS, Conductivity, Odor
		Produced From: Municipal Source			
		Prod Code:	Line: 1		Receiving: Log in for TDS, E.C., and Odor. Please note connection to JCN 24-34849 (24_67144)
		11/19/24 32424	Best By 11/19/26	2	
SAMPLER'S SIGNATURE: SIGN HERE		PLEASE PRINT BELOW: Rick Kulas		COMPLIANCE CRITERIA: 50 State Compliance	
RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY	
Sign Here	Date & Time				
		Kent (edge) REUPAD	1/7/25 1000	-per crystal	

received three, 500ml

6.0