



9/27/2024

Work Order: 24I1320
Project: District Well

Summit County Service Area #3
Attn: Chris Bullock
629 East Parkway Drive Suite #1
Park City, UT 84098

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags, or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.



Approved By:

Andrew Royer, Project Manager



Certificate of Analysis

Lab Sample No.: 241320-01

Name: Summit County Service Area #3	Sample Date: 9/17/2024 7:45 AM
Sample Site: District Well	Receipt Date: 9/17/2024 10:19 AM
Comments:	Sampler: Chris Bullock
Sample Matrix: Drinking Water	Project: District Well
PO Number:	System No.: UTAH22105
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations								
Langelier Index @ 22 Deg. C	0.27			None	Calculation	09/23/2024	09/23/2024	
Hardness, Total as CaCO3	377		6.68	mg/L	SM 2340 B/[CALC]	09/18/2024	09/18/2024	
Inorganic								
Alkalinity - Bicarbonate (as CaCO3)	178		1.0	mg/L	SM 2320 B	09/18/2024	09/18/2024	
Alkalinity - Carbonate (as CaCO3)	ND		1.0	mg/L	SM 2320 B	09/18/2024	09/18/2024	
Alkalinity - Hydroxide (as CaCO3)	ND		1.0	mg/L	SM 2320 B	09/18/2024	09/18/2024	
Alkalinity - Total (as CaCO3)	178		1.0	mg/L	SM 2320 B	09/18/2024	09/18/2024	
Ammonia as N	ND		0.20	mg/L	SM 4500 NH3 H	09/18/2024	09/18/2024	
Chloride	272	250	1.00	mg/L	EPA 300.0	09/18/2024	09/18/2024	
Color	5	15	5	Color Units	SM 2120 B	09/17/2024 15:34	09/17/2024 15:56	
Conductivity	1290		1.00	umho/cm	EPA 120.1	09/18/2024	09/18/2024	
Cyanide, Free	ND	0.2	0.016	mg/L	EPA 335.4	09/19/2024	09/19/2024	
Cyanide, Total	ND	0.2	0.005	mg/L	EPA 335.4	09/19/2024	09/19/2024	
Fluoride	0.157	4	0.100	mg/L	EPA 300.0	09/17/2024	09/17/2024	
MBAS Surfactants	0.14	0.5	0.10	mg/L	SM 5540 C	09/18/2024 13:16	09/18/2024 16:45	
Nitrate as N	1.95	10	0.10	mg/L	EPA 300.0	09/18/2024 10:51	09/18/2024 15:58	
Nitrite as N	ND	1	0.10	mg/L	EPA 300.0	09/18/2024 10:51	09/18/2024 15:58	
Odor	ND	3	0	T.O.N.	SM 2150 B	09/17/2024 15:34	09/17/2024 15:51	
pH	7.7		0.1	pH Units	SM 4500 H-B	09/17/2024 16:25	09/17/2024 17:07	SPH
Phosphate, ortho as P	0.02		0.02	mg/L	SM 4500 P-E	09/18/2024 16:34	09/18/2024 18:56	
Sulfate	26.1	250	1.00	mg/L	EPA 300.0	09/17/2024	09/17/2024	
Total Dissolved Solids (TDS)	888	1000	20	mg/L	SM 2540 C	09/18/2024	09/18/2024	
Turbidity	0.86	5	0.05	NTU	EPA 180.1	09/17/2024 13:48	09/17/2024 14:20	
Metals								
Aluminum, Total	ND	0.2	0.06	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Antimony, Total	ND	0.006	0.0005	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Arsenic, Total	0.0039	0.01	0.0005	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Barium, Total	0.245	2	0.005	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Beryllium, Total	ND	0.004	0.002	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Boron, Total	ND		0.05	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Cadmium, Total	ND	0.005	0.0002	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Calcium, Total	102		0.2	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Chromium, Total	ND	0.1	0.005	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Copper, Total	ND	1.3	0.0012	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Iron, Total	0.08	0.3	0.03	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	



Certificate of Analysis

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Comments:	Sampler: Chris Bullock
Sample Matrix: Drinking Water	Project: District Well
PO Number:	System No.: UTAH22105
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals (cont.)								
Lead, Total	ND	0.015	0.0005	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Magnesium, Total	29.8		1.5	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Manganese, Total	0.0013	0.05	0.0007	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Mercury, Total	ND	0.002	0.00020	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Nickel, Total	ND	0.1	0.005	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Potassium, Total	6.5		0.5	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Selenium, Total	ND	0.05	0.0007	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Silica, (as SiO2) Total	49.0		0.2	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Silver, Total	ND	0.1	0.0005	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Sodium, Total	92.7		2.0	mg/L	EPA 200.7/200.2	09/18/2024	09/18/2024	
Thallium, Total	ND	0.002	0.0002	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Zinc, Total	0.01	5	0.01	mg/L	EPA 200.8/200.8	09/18/2024	09/18/2024	
Carbamates								
3-Hydroxycarbofuran	ND		1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Aldicarb	ND		1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Aldicarb sulfone	ND		1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Aldicarb sulfoxide	ND		1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Carbaryl	ND		1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Carbofuran	ND	40	1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Methomyl	ND		1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Oxamyl	ND	200	1	ug/L	EPA 531.1	09/19/2024	09/19/2024	
Herbicides								
2,4,5-TP (Silvex)	ND	50	0.440	ug/L	EPA 515.3	09/17/2024	09/19/2024	
2,4-D	ND	70	0.220	ug/L	EPA 515.3	09/17/2024	09/19/2024	
Dalapon	ND	200	2.20	ug/L	EPA 515.3	09/17/2024	09/19/2024	
Dicamba	ND		1.00	ug/L	EPA 515.3	09/17/2024	09/19/2024	
Dinoseb	ND	7	0.440	ug/L	EPA 515.3	09/17/2024	09/19/2024	
Pentachlorophenol	ND	1	0.088	ug/L	EPA 515.3	09/17/2024	09/19/2024	
Picloram	ND	500	0.220	ug/L	EPA 515.3	09/17/2024	09/19/2024	
Pesticides								
Endrin	ND	2	0.022	ug/L	EPA 508.1	09/17/2024	09/18/2024	
Heptachlor	ND	0.4	0.088	ug/L	EPA 508.1	09/17/2024	09/18/2024	
Heptachlor epoxide	ND	0.2	0.044	ug/L	EPA 508.1	09/17/2024	09/18/2024	
Lindane	ND	0.2	0.044	ug/L	EPA 508.1	09/17/2024	09/18/2024	



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Comments:	Sampler: Chris Bullock
Sample Matrix: Drinking Water	Project: District Well
PO Number:	System No.: UTAH22105
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Pesticides (cont.)								
Methoxychlor	ND	40	0.22	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB-1016	ND	0.2	0.20	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB-1221	ND	0.5	0.20	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB-1232	ND	0.5	0.20	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB-1242	ND	0.5	0.50	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB-1248	ND	0.5	0.50	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB-1254	ND	0.5	0.50	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB-1260	ND	0.5	0.50	ug/L	EPA 508.1	09/17/2024	09/18/2024	
PCB - Total	ND	0.5	0.50	ug/L	EPA 508.1	09/17/2024	09/18/2024	
Toxaphene	ND	3	2.2	ug/L	EPA 508.1	09/17/2024	09/18/2024	
Semi-Volatile Compounds								
Alachlor	ND	2	0.44	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Aldrin	ND		2.00	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Atrazine	ND	3	0.22	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Benzo (a) pyrene	ND	0.2	0.04	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Bis (2-ethylhexyl) Adipate	ND	400	1.30	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Bis (2-ethylhexyl) Phthalate	ND	6	1.30	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Butachlor	ND		0.50	ug/L	EPA 525.2	09/17/2024	09/18/2024	
alpha-Chlordane	ND	2	0.44	ug/L	EPA 525.2	09/17/2024	09/18/2024	
gamma-Chlordane	ND	2	0.44	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Chlordane - Total	ND	2	0.44	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Dieldrin	ND		1.00	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Hexachlorobenzene	ND	1	0.22	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Hexachlorocyclopentadiene	ND	50	0.22	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Metolachlor	ND		0.50	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Metribuzin	ND		0.50	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Propachlor	ND		0.50	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Simazine	ND	4	0.15	ug/L	EPA 525.2	09/17/2024	09/18/2024	
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,1,1-Trichloroethane	ND	200	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,1,2-Trichloroethane	ND	5	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,1,2-Trichlorotrifluoroethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,1-Dichloroethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	



Certificate of Analysis

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Comments:	Sampler: Chris Bullock
Sample Matrix: Drinking Water	Project: District Well
PO Number:	System No.: UTAH22105
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Volatile Organic Compounds (cont.)								
1,1-Dichloroethene	ND	7	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,1-Dichloropropene	ND		0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,2,3-Trichlorobenzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,2,3-Trichloropropane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,2,4-Trichlorobenzene	ND	70	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,2,4-Trimethylbenzene	ND	70	1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,2-Dichlorobenzene	ND	600	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,2-Dichloroethane	ND	5	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,2-Dichloropropane	ND	5	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,3,5-Trimethylbenzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,3-Dichlorobenzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,3-Dichloropropane	ND		0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
1,4-Dichlorobenzene	ND	75	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
2,2-Dichloropropane	ND		0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
2-Chlorotoluene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
4-Chlorotoluene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Benzene	ND	5	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Bromobenzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Bromochloromethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Bromodichloromethane	ND		0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Bromoform	ND		0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Bromomethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Carbon Tetrachloride	ND	5	1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Chlorobenzene	ND	100	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Chloroethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Chloroform	ND		0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Chloromethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
cis-1,2-Dichloroethene	ND	70	1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
cis-1,3-Dichloropropene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Dibromochloromethane	ND		0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Dibromomethane	ND	5	1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Dichlorodifluoromethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	J-LOW -L
Ethyl Benzene	ND	700	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Hexachlorobutadiene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Isopropylbenzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	



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PO Number:	System No.: UTAH22105
Source Code: WS001	Sample Point: WS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Volatile Organic Compounds (cont.)								
Methyl tert-Butyl Ether (MTBE)	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Methylene Chloride	ND	5	1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Naphthalene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
n-Butyl Benzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
n-Propyl Benzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
p-Isopropyltoluene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
sec-Butyl Benzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Styrene	ND	100	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
tert-Butylbenzene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Tetrachloroethene	ND	5	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Toluene	ND	1000	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
trans-1,2-Dichloroethene	ND	100	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
trans-1,3-Dichloropropene	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Trichloroethene	ND	5	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Trichlorofluoromethane	ND		1.0	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Vinyl Chloride	ND	2	0.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	
Xylenes, total	ND	10000	1.5	ug/L	EPA 524.2	09/17/2024	09/17/2024	



Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.

1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.

1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.

1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Data Comparisons

Values reported in **RED** exceed Primary Drinking Water standards.

Values reported in **BLUE** exceed Secondary Drinking Water standards.

BLANK values in the MCL column indicate no standard.

On calculated parameters, there may be a slight difference between summing the rounded values shown on the report vs the unrounded values used in the calculation.

Flag Descriptions

J-LOW-L = Estimated low due to low recovery of LCS

SPH = Sample submitted past method specified holding time.

