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OR NELAP 4072

INORGANIC COMPOUNDS (IOC) REPORT

Client Name: Alderwood Water District
3626 - 156 Street SW
Lynnwood, WA 98087

Reference Number: 23-14893
Project: IOC

Date Collected: 5/23/23 08:55
System ID Number: 01319B
Lab Number: 046-29985
Sample Location: 164th Well #5
Sample Purpose: Investigative or Other
Sample Composition: Single Source

Field ID:
System Group Type: A
System Name: 164TH ST ARTESIAN WELL
County: SNOHOMISH
Source Number: 01
Multiple Sources:
Date Received: 5/23/23
Report Date: 6/14/23
Sample Type: D - Drinking Water
Sampled By: Ryan D
Sampler Phone: 4257870250

Approved by: anp,bj,tjb

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

DOH#	ANALYTES	RESULTS	UNITS	SRL	Trigger	MCL	Analyst	METHOD	Lab	Analyzed	COMMENT
	EPA Regulated										
4	ARSENIC	0.0051	mg/L	0.001	0.010	0.010	bj	200.8	a	05/26/23	
5	BARIUM	0.0064	mg/L	0.001	2	2	bi	200.8	a	05/26/23	
6	CADMIUM	ND	mg/L	0.001	0.005	0.005	bj	200.8	a	05/26/23	
7	CHROMIUM	0.0042	mg/L	0.001	0.1	0.1	bi	200.8	a	05/26/23	
11	MERCURY	ND	mg/L	0.0002	0.002	0.002	tjb	245.1	a	05/25/23	
12	SELENIUM	ND	mg/L	0.002	0.05	0.05	bj	200.8	a	05/26/23	
110	BERYLLIUM	ND	mg/L	0.0003	0.004	0.004	bj	200.8	a	05/26/23	
111	NICKEL	ND	mg/L	0.001	0.1	0.1	bj	200.8	a	05/26/23	
112	ANTIMONY	ND	mg/L	0.001	0.006	0.006	bj	200.8	a	05/26/23	
113	THALLIUM	ND	mg/L	0.0001	0.002	0.002	bi	200.8	a	05/26/23	
116	CYANIDE, AVAILABLE	ND	mg/L	0.005	0.2	0.2	tjb	OIA-1677-DW	a	05/30/23	
19	FLUORIDE	0.13	mg/L	0.1	2	4	iwn	300.0	a	05/24/23 00:00	
114	NITRITE-N	ND	mg/L	0.1	0.5	1	iwn	300.0	a	05/24/23 00:16	
20	NITRATE-N	0.91	mg/L	0.1	5	10	iwn	300.0	a	05/24/23 00:16	
161	TOTAL NITRATE+NITRITE as N	0.91	mg/L	0.10	5	10	iwn	300.0	a	05/24/23 00:16	
	EPA Regulated (Secondary)										
8	IRON	ND	mg/L	0.100	0.3	0.3	bj	200.7	a	05/30/23	
10	MANGANESE	ND	mg/L	0.001	0.05	0.05	bj	200.8	a	05/26/23	
13	SILVER	ND	mg/L	0.001	0.05	0.05	bj	200.8	a	05/26/23	
21	CHLORIDE	4.3	mg/L	0.1	250	250	iwn	300.0	a	05/24/23 00:00	
22	SULFATE	11.2	mg/L	0.2	250	250	iwn	300.0	a	05/24/23 00:00	
24	ZINC	ND	mg/L	0.005		5.00	bj	200.8	a	05/26/23	
14	SODIUM	6.2	mg/L	5.0			bi	200.7	a	05/30/23	
15	HARDNESS as Calcium Carbonate	74.1	mg/L	10			bj	200.7	a	05/30/23	
16	ELECTRICAL CONDUCTIVITY	176	uS/cm	10	700	700	cjet	SM2510 B	a	05/26/23	
17	TURBIDITY	0.34	NTU	0.10		1	klp	180.1	a	05/23/23 16:57	
18	COLOR	ND	Color Units	5	15	15	klp	SM2120 B	a	05/24/23 10:20	pH: 7
26	TOTAL DISSOLVED SOLIDS (TDS)	129	mg/L	10	500	500	ms0	SM2540 C	a	06/13/23	
	State Unregulated										
9	LEAD	ND	mg/L	0.001		0.015	bj	200.8	a	05/26/23	
23	COPPER	ND	mg/L	0.005		1.3	bj	200.8	a	05/26/23	

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

MCL (Maximum Contaminant Level) maximum permissible level of a contaminant in water established by EPA; Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper. Sodium has a recommended limit of 20 mg/L. A blank MCL value indicates a level is not currently established.

Trigger Level: DOH Drinking Water Response level. Systems with compounds detected in excess of this level are required to take additional samples. Contact your regional DOH office.

ND (Not Detected): indicates that the parameter was not detected above the Specified Reporting Limit (SRL).

An * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples.

If you have any questions concerning this report contact Lawrence J Henderson, PhD, Director of Laboratories, Vice President, at the toll-free phone number above.