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Data Report

Client Name: Hillsboro, City of
150 E. Main Street
Hillsboro, OR 97123

Reference Number: **23-09882**
Project: Semi-Annual Joint Water
Commission

Report Date: 5/17/23

Date Received: 4/10/23

Approved by: anl,anp,bj,mcs,pap,pdk,tbp,tjb

Authorized by:

Thanh B Phan
Lab Manager, Portland

Sample Description: 18507 - JWTP Finished Water Site #1 - Sample Date: 4/10/23 8:23 am
Lab Number: 19659 Sample Comment: Collected By: JA/SM

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10617	TURBIDITY	0.15	0.10		NTU	1.0	180.1	c	4/11/23	PDK	cturb_230411	
7429-90-5	*ALUMINUM	ND	0.010	0.004	mg/L	1.0	200.7	a	5/10/23	BJ	200.7_230510F	
7440-70-2	*CALCIUM	6.5	0.5	0.03	mg/L	1.0	200.7	a	5/10/23	BJ	200.7_230510F	
7440-48-4	*COBALT	ND	0.001	0.0005	mg/L	1.0	200.7	a	5/10/23	BJ	200.7_230510F	
7439-95-4	MAGNESIUM	2.1	0.500	0.04	mg/L	1.0	200.7	a	5/10/23	BJ	200.7_230510F	
7439-98-7	*MOLYBDENUM	ND	0.010	0.006	mg/L	1.0	200.7	a	5/10/23	BJ	200.7_230510F	
7440-09-7	POTASSIUM	ND	1.0	0.02	mg/L	1.0	200.7	a	5/10/23	BJ	200.7_230510F	
7631-86-9	SILICA	14.7	0.05	0.015	mg/L	1.0	200.7	a	5/10/23	BJ	200.7_230510F	
14808-79-8	SULFATE	11.1	0.2	0.02	mg/L	1.0	300.0	a	4/13/23	BJ	IC05_230412A	
7664-41-7	*AMMONIA-N	ND	0.010	0.0088	mg/L	1.0	350.1	a	4/27/23	TJB	350.1_230427	
E-10264	*TOTAL KJELDAHL NITROGEN	ND	0.20	0.0585	mg/L	1.0	351.2	a	5/1/23	MSO	351.2_230501	
E-10264	*TOTAL ORGANIC NITROGEN	ND	0.2		mg/L	1.0	351.2	a	5/2/23	MSO	TON_230502	
NA	*SURFACTANTS	ND	0.050	0.1	mg/L	1.0	425.1		4/11/23	AA	ALEXIN_230411	Analyzed by Alexin
E-10162	*TOTAL SUSPENDED SOLIDS	ND NN	2		mg/L	1.0	I-3765-85	c	4/14/23	PDK	ctss_230414	
NA	*CORROSIVITY	-1.81			SI	1.0	SM203	a	5/16/23	BJ	COR_230516A	
E-11734	ODOR	ND	1		TON	1.0	SM2150		4/10/23		codor_230410	Temperature: 38.2
NA	*BICARBONATE	28.1	1		mg CaCO3/L	1.0	SM2320 B	a	4/20/23	KLP	ALK_230420	
NA	*CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	4/20/23	KLP	ALK_230420	
NA	*HYDROXIDE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	4/20/23	KLP	ALK_230420	
E-14506	*PHENOLPHTHALEIN ALKALINITY	ND	1		mg CaCO3/L	1.0	SM2320 B	a	4/20/23	KLP	ALK_230420	
	*NONCARBONATE HARDNESS	ND	3.30		mg/L	1.0	SM2340 B	a	5/16/23	BJ	COR_230516A	
E-10151	*TOTAL SOLIDS	70.5	5		mg/L	1.0	SM2540 B	c	4/17/23	PAP	cts_230417	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	64	10		mg/L	1.0	SM2540 C	a	4/25/23	MSO	TDS_230414	
	*VOLATILE SOLIDS	17.0	5		mg/L	1.0	SM2540 E		4/19/23	ANL	cvs_230419	

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

An "*" indicates it is not NELAP accredited though method requirements have been met unless noted in cover letter or case narrative.

These test results meet all the requirements of NELAC, unless otherwise stated in writing, and relate only to these samples. Estimates of uncertainty are not included in this report. If this information is required please contact us at the phone number listed in the report header.

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Data Report

124-38-9	*CARBON DIOXIDE	26.0	0.5		mg/L	1.0	SM4500-CO2 D	a	5/3/23	BJ	CO2_230503A	Free CO2 = 1.29mgCO2/L
E-10139	*HYDROGEN ION (pH)	7.64 H5			pH Units	1.0	SM4500-H+ B	c	4/11/23	PDK	cph_230411	Temp (C) : 19.1
14265-44-2	ORTHO-PHOSPHATE	ND	0.01	0.0073	mg/L	1.0	SM4500-P F	c	4/11/23	ANL	cpo4_230411	
E-10195	TOTAL ORGANIC CARBON	0.72	0.15	0.075	mg/L	1.0	SM5310 B	a	4/18/23	SPM2	TOC_230418A	
NA	*TANNIN AND LIGNIN	ND	0.1		mg/L	1.0	SM5550	a	4/17/23	JWN	TANNINS_230417	
E-10195	*DISSOLVED ORGANIC CARBON	0.69	0.50	0.075	mg/L	1.0	SM5310 B/FILTER	a	4/19/23	SPM2	TOC_230418A	FLT BLK: 0.1662
7723-14-0	*TOTAL PHOSPHORUS-P	0.0033 J	0.010	0.0021	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	4/18/23	TJB	TPHOS_230418	

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