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Data Report

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

Reference Number: **19-42010**
Project: Semi-Annual Joint Water Commission

Report Date: 12/13/19

Date Received: 11/4/19

Approved by: ajw,bj,bsp,jal,svl,thp

Authorized by:

Thanh B Phan
Lab Manager, Portland

Sample Description: Site ID #1 - JWTP FW Hose - Site ID #1										Sample Date: 11/4/19 9:10 am		
Lab Number: 81259 Sample Comment: Cl2: 1.26										Collected By: JA/IR		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7429-90-5	*ALUMINUM	ND	0.010	0.004	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7440-70-2	*CALCIUM	8.9	0.5	0.009	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7440-48-4	*COBALT	ND	0.001	0.0006	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
E-11778	HARDNESS as Calcium Carbonate	34.2	3.30	0.01	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7439-89-6	IRON	ND	0.050	0.0012	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7439-95-4	MAGNESIUM	2.9	0.500	0.001	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7439-98-7	*MOLYBDENUM	ND	0.010	0.005	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7440-09-7	POTASSIUM	ND	1.0	0.1	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7631-86-9	SILICA	15.4	0.05	0.003	mg/L	1.0	200.7	a	11/11/19	BJ	200.7_191111A	
7440-50-8	COPPER	ND	0.005	0.00027	mg/L	1.0	200.8	a	11/7/19	BJ	200.8_191107B	
7439-96-5	MANGANESE	ND	0.001	6.70E-05	mg/L	1.0	200.8	a	11/7/19	BJ	200.8_191107B	
7440-22-4	SILVER	ND	0.010	0.00013	mg/L	1.0	200.8	a	11/7/19	BJ	200.8_191107B	
7440-66-6	ZINC	ND	0.005	0.0001	mg/L	1.0	200.8	a	11/7/19	BJ	200.8_191107B	
16887-00-6	CHLORIDE	6.9	1.0	0.0944	mg/L	1.0	300.0	a	11/7/19	AJW	IC02_191106A	
14808-79-8	SULFATE	13.0	0.2	0.0431	mg/L	1.0	300.0	a	11/7/19	AJW	IC02_191106A	
7664-41-7	*AMMONIA-N	ND	0.010	0.007	mg/L	1.0	350.1	a	11/7/19	BSP	350.1_191107	
E-10264	*TOTAL KJELDAHL NITROGEN	ND	0.20	0.049	mg/L	1.0	351.2	a	11/7/19	BSP	351.2_191107	
E-10264	*TOTAL ORGANIC NITROGEN	ND	0.20		mg/L	1.0	351.2	a	11/8/19	BSP	TON_191108	
NA	*SURFACTANTS	ND	0.050	0.1	mg/L	1.0	425.1		11/5/19	AA	cMBAS_191105	Analyzed by Alexin
E-10162	*TOTAL SUSPENDED SOLIDS	ND NN	2	1	mg/L	1.0	I-3765-85	c	11/7/19	SVL	CTSS_191107	
NA	*CORROSIVITY	-3.25			SI	1.0	SM203	a	11/22/19	BJ	COR_191122	
E-11734	*ODOR	4 H1	1		TON	1.0	SM2150	a	11/6/19	BSP	ODOR_191106	Temperature: 39.0
E-14506	*ALKALINITY	33.0	1		mg CaCO3/L	1.0	SM2320 B	a	11/9/19	SRS	ALK_191109	
E-14506	ALKALINITY	33.0	1		mg CaCO3/L	1.0	SM2320 B	a	11/9/19	SRS	ALK_191109	

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.

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

Form: mult_or.rpt

Data Report

NA	*BICARBONATE	33.0	1		mg CaCO3/L	1.0	SM2320 B	a	11/9/19	SRS	ALK_191109	
NA	*CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	11/9/19	SRS	ALK_191109	
NA	*HYDROXIDE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	11/9/19	SRS	ALK_191109	
E-14506	*PHENOLPHTHALEIN ALKALINITY	ND	1		mg CaCO3/L	1.0	SM2320 B	a	11/9/19	SRS	ALK_191109	
	*NONCARBONATE HARDNESS	1.2	3.30		mg/L	1.0	SM2340 B	a	11/22/19	BJ	CO2_191122	
E-10151	*TOTAL SOLIDS-WATER	73 NN	10		mg/L	1.0	SM2540 B	a	11/8/19	SVL	cts_191108	
E-10173	*TOTAL DISSOLVED SOLIDS (TDS)	70	10		mg/L	1.0	SM2540 C	a	11/11/19	AJW	TDS_191108	
E-10151	*VOLATILE SOLIDS	54 NN	10		mg/L	1.0	SM2540 E	a	11/8/19	SVL	cvs_191108	
124-38-9	*CARBON DIOXIDE	30.6	0.5		mg/L	1.0	SM4500-CO2 D	a	11/22/19	BJ	CO2_191122	Free CO2=1.49mg/L
14265-44-2	ORTHO-PHOSPHATE	ND	0.01	0.005	mg/L	1.0	SM4500-P F	c	11/5/19	JAL	cpo4_191105	
E-10195	TOTAL ORGANIC CARBON	0.82	0.50	0.076	mg/L	1.0	SM5310 B	a	11/10/19	BJ	TOC_191109A	
NA	*TANNIN AND LIGNIN	ND	0.5		mg/L	1.0	SM5550	a	11/12/19	AJW	TANNINS_191112	
E-10195	*DISSOLVED ORGANIC CARBON	1.12	0.50	0.08	mg/L	1.0	SM5310 B/FILTER	a	11/10/19	BJ	TOC_191109A	
7723-14-0	*TOTAL PHOSPHORUS	ND	0.010	0.0026	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	11/8/19	BSP	TPHOS_191108	

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