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# Data Report

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

Reference Number: **16-02265**  
Project: Semi-Annual Joint Water  
Commission FW

Report Date: 3/10/16

Date Received: 2/2/16

Approved by: ajs,anp,bj,cpo,mvp,tlp

Authorized by:

Thanh B Phan  
Lab Manager, Portland

Sample Description: Site ID#1 - JWTP FW Hose - Site ID #1										Sample Date: 2/2/16 8:18 am		
Lab Number: 5265		Sample Comment:							Collected By: Brian Monnin/Rachel S			
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	2/9/16	BJ	200.7_160209A	
7440-70-2	*CALCIUM	6.2	0.5	0.009	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
7440-48-4	*COBALT	ND	0.001	0.0006	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
E-11778	HARDNESS as Calcium Carbonate	24.1	3.30	0.01	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
7439-89-6	IRON	ND	0.050	0.0012	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
7439-95-4	MAGNESIUM	2.1	0.500	0.001	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
7439-98-7	*MOLYBDENUM	ND	0.010	0.005	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
7440-09-7	POTASSIUM	ND	1.0	0.1	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
7631-86-9	SILICA	17.0	0.05	0.003	mg/L	1.0	200.7	a	2/9/16	BJ	200.7_160209A	
7440-50-8	COPPER	ND	0.005	8.63E-05	mg/L	1.0	200.8	a	2/5/16	MVP	200.8_160205	
7439-96-5	MANGANESE	ND	0.001	5.23E-06	mg/L	1.0	200.8	a	2/5/16	MVP	200.8_160205	
7440-22-4	SILVER	ND	0.010	5.73E-05	mg/L	1.0	200.8	a	2/5/16	MVP	200.8_160205	
7440-66-6	ZINC	ND	0.005	5.24E-05	mg/L	1.0	200.8	a	2/5/16	MVP	200.8_160205	
16887-00-6	CHLORIDE	4.5	0.1	0.0043	mg/L	1.0	300.0	a	2/6/16	MMH	I160205A	
14808-79-8	SULFATE	10.7	0.2	0.0087	mg/L	1.0	300.0	a	2/6/16	MMH	I160205A	
7664-41-7	*AMMONIA	0.09	0.01	0.0012	mg/L	1.0	350.1	a	2/8/16	ANP	350.1_160208	
E-10264	*TOTAL KJELDAHL NITROGEN	ND	0.20	0.0033	mg/L	1.0	351.2	a	2/9/16	ANP	351.2_160209	
E-10264	*TOTAL ORGANIC NITROGEN	ND	0.20	0.0033	mg/L	1.0	351.2	a	2/9/16	ANP	351.2_160209	
NA	*SURFACTANTS	ND	0.05		mg/L	1.0	425.1		2/3/16	AA	CMBAS_160203	Analyzed by Alexin
E-10162	*TOTAL SUSPENDED SOLIDS	ND NN	2	1	mg/L	0.5	I-3765-85	c	2/5/16	AJS	CTSS_160205	
NA	*CORROSIVITY	-2.49			SI	1.0	SM203	a	2/18/16	MVP	COR_160218	
E-11734	*ODOR	4.31	1		TON	1.0	SM2150		2/3/16	RHF	ODOR_160203	Temperature: 41.3
E-14506	*ALKALINITY	26			mg CaCO3/L	1.0	SM2320 B	a	2/3/16	MVP	alk_160203a	
E-14506	ALKALINITY	26	1		mg CaCO3/L	1.0	SM2320 B	a	2/3/16	MVP	alk_160203a	

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

A data qualifier 'NN' 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

NA	*BICARBONATE	26	1		mg CaCO3/L	1.0	SM2320 B	a	2/3/16	MVP	alk_160203a
NA	*CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/3/16	MVP	alk_160203a
NA	*HYDROXIDE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	2/3/16	MVP	alk_160203a
E-14506	*PHENOLPHTHALEIN ALKALINITY	ND			mg CaCO3/L	1.0	SM2320 B	a	2/3/16	MVP	alk_160203a
E-10151	*TOTAL SOLIDS-WATER	72	10		mg/L	1.0	SM2540 B	a	2/8/16	MMH	TS_160208
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	76	10		mg/L	1.0	SM2540 C	a	2/8/16	MMH	TDS_160208
E-10151	*VOLATILE SOLIDS	13	10		mg/L	1.0	SM2540 E	a	2/15/16	MMH	VS_160215
124-38-9	*CARBON DIOXIDE	4.97	0.5		mg/L	1.0	SM4500-CO2 D	a	3/1/16	MVP	CO2_160301
E-10128	*TOTAL NITRATE/NITRITE	0.52	0.5	0.0028	mg/L	1.0	SM4500-NO3 F	a	2/8/16	ANP	NO3NO2_160208
14265-44-2	ORTHO-PHOSPHATE	0.01	0.01	0.0020	mg/L	1.0	SM4500-P F	c	2/3/16	CPO	CPO4_160203
E-10195	TOTAL ORGANIC CARBON	0.51	0.15	0.05	mg/L	1.0	SM5310 B	a	2/4/16	BJ	TOC_160203
NA	*TANNIN AND LIGNIN	ND	0.5		mg/L	1.0	SM5550	a	2/12/16	MMH	TANNINS_160212
E-10195	*DISSOLVED ORGANIC CARBON	0.49	0.50	0.08	mg/L	1.0	SM5310 B/FILTER	a	2/4/16	BJ	TOC_160203
	*NONCARBONATE HARDNESS	ND	3.30		mg/L	1.0	SM2340 B/FidFilter	a	2/9/16	BJ	200.7_160209A
7723-14-0	*TOTAL PHOSPHORUS	ND	0.010	0.0026	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/9/16	ANP	TPHOS_160209

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