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Data Report

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

Reference Number: **16-18475**
Project: Semi-Annual Joint Water
Commission FW

Report Date: 9/7/16

Date Received: 8/2/16

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

Authorized by:

Thanh B Phan
Lab Manager, Portland

Sample Description: Site ID #1 - JWTP FW Hose - Site ID #1	Sample Date: 8/2/16 8:11 am
Lab Number: 45047 Sample Comment:	Collected By: Brian Monnin

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7429-90-5	*ALUMINUM	0.01	0.010	0.004	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7440-70-2	*CALCIUM	6.4	0.5	0.009	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7440-48-4	*COBALT	ND	0.001	0.0006	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
E-11778	HARDNESS as Calcium Carbonate	24.2	3.30	0.01	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7439-89-6	IRON	ND	0.050	0.0012	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7439-95-4	MAGNESIUM	2.0	0.500	0.001	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7439-98-7	*MOLYBDENUM	ND	0.010	0.005	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7440-09-7	POTASSIUM	ND	1.0	0.1	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7631-86-9	SILICA	14.8	0.05	0.003	mg/L	1.0	200.7	a	8/9/16	BJ	200.7_160809A	
7440-50-8	COPPER	ND	0.005	4.86E-05	mg/L	1.0	200.8	a	8/17/16	MVP	200.8_160817A	
7439-96-5	MANGANESE	ND	0.001	5.85E-05	mg/L	1.0	200.8	a	8/17/16	MVP	200.8_160817A	
7440-22-4	SILVER	ND	0.010	1.50E-05	mg/L	1.0	200.8	a	8/17/16	MVP	200.8_160817A	
7440-66-6	ZINC	ND	0.005	0.00014	mg/L	1.0	200.8	a	8/17/16	MVP	200.8_160817A	
16887-00-6	CHLORIDE	4.27	1.0	0.0223	mg/L	1.0	300.0	a	8/3/16	RMW	I160803A	
14808-79-8	SULFATE	9.99	0.2	0.0497	mg/L	1.0	300.0	a	8/3/16	RMW	I160803A	
7664-41-7	*AMMONIA	ND	0.01	0.0012	mg/L	1.0	350.1	a	8/9/16	ANP	350.1_160809	
E-10264	*TOTAL KJELDAHL NITROGEN	ND	0.20	0.084	mg/L	1.0	351.2	a	8/11/16	ANP	351.2_160811	
E-10264	*TOTAL ORGANIC NITROGEN	ND	0.2		mg/L	1.0	351.2	a	8/12/16	ANP	TN_160812	
NA	*SURFACTANTS	ND			mg/L	1.0	425.1		8/3/16	AA	CMBAS_160803	Analyzed by Alexin
E-10162	*TOTAL SUSPENDED SOLIDS	ND NN	2		mg/L	0.5	I-3765-85	c	8/5/16	RTK	CTSS_160805	
NA	*CORROSIVITY	-2.4			SI	1.0	SM203	a	8/17/16	MVP	COR_160817A	
E-11734	*ODOR	1.0	1		TON	1.0	SM2150	a	8/3/16	RHF	ODOR_160803	Temperature: 41.2
E-14506	*ALKALINITY	27			mg CaCO3/L	1.0	SM2320 B	a	8/4/16	MVP	ALK_160804A	
E-14506	ALKALINITY	27	5.0		mg CaCO3/L	1.0	SM2320 B	a	8/4/16	MVP	ALK_160804A	

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	27	1		mg CaCO3/L	1.0	SM2320 B	a	8/4/16	MVP	ALK_160804A
NA	*CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	8/4/16	MVP	ALK_160804A
NA	*HYDROXIDE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	8/4/16	MVP	ALK_160804A
E-14506	*PHENOLPHTHALEIN ALKALINITY	ND			mg CaCO3/L	1.0	SM2320 B	a	8/4/16	MVP	ALK_160804A
	*NONCARBONATE HARDNESS	ND	3.30		mg/L	1.0	SM2340 B	a	8/9/16	BJ	200.7_160809A
E-10151	*TOTAL SOLIDS-WATER	62	10		mg/L	1.0	SM2540 B	a	8/5/16	RMW	TSw_160805
E-10173	*TOTAL DISSOLVED SOLIDS (TDS)	63	10		mg/L	1.0	SM2540 C	a	8/8/16	RMW	TDS_160808
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	63	10		mg/L	1.0	SM2540 C	a	8/8/16	RMW	TDS_160808
E-10151	*VOLATILE SOLIDS	6	10		mg/L	1.0	SM2540 E	a	8/5/16	RMW	VS_160805
124-38-9	*CARBON DIOXIDE	4.49	0.5		mg/L	1.0	SM4500-CO2 D	a	8/26/16	mvp	CO2_160826A
14265-44-2	ORTHO-PHOSPHATE	0.02	0.01	0.0020	mg/L	1.0	SM4500-P F	c	8/3/16	CPO	CPO4_160803
E-10195	TOTAL ORGANIC CARBON	0.48	0.15	0.05	mg/L	1.0	SM5310 B	a	8/17/16	BJ	TOC_160816
NA	*TANNIN AND LIGNIN	ND	0.5		mg/L	1.0	SM5550	a	8/11/16	RMW	tannins_160811
E-10195	*DISSOLVED ORGANIC CARBON	0.61	0.50	0.08	mg/L	1.0	SM5310 B/FILTER	a	8/18/16	BJ	TOC_160816
7723-14-0	*TOTAL PHOSPHORUS	ND	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	8/17/16	ANP	TPHOS_160817

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