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Data Report

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

Reference Number: **17-02977**
Project: Semi-Annual Joint Water
Commission

Report Date: 3/17/17

Date Received: 2/13/17

Approved by: anp,bj,cpo,rmw,rbp

Authorized by:

Thanh B Phan
Lab Manager, Portland

Sample Description: Site ID #1 - JWTP FW Hose - Site ID #1	Sample Date: 2/13/17 9:15 am
Lab Number: 6889	Sample Comment:
	Collected By: Rachel Smith

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7631-86-9	SILICA	16.5	0.05	0.003	mg/L	1.0	200.7	a	2/17/17	ANP	200.7_170217a	
7439-96-5	MANGANESE	ND	0.001	2.20E-05	mg/L	1.0	200.8	a	2/16/17	BJ	200.8_170216A2	
7440-22-4	SILVER	ND	0.010	6.00E-06	mg/L	1.0	200.8	a	2/16/17	BJ	200.8_170216A2	
7440-66-6	ZINC	ND	0.005	0.00016	mg/L	1.0	200.8	a	2/16/17	BJ	200.8_170216A2	
16887-00-6	CHLORIDE	4.3	0.10	0.0223	mg/L	1.0	300.0	a	2/21/17	BJ	1170221A	
14808-79-8	SULFATE	14.6	0.20	0.0497	mg/L	1.0	300.0	a	2/21/17	BJ	1170221A	
7664-41-7	*AMMONIA	ND	0.010	0.0031	mg/L	1.0	350.1	a	2/23/17	RMW	350.1_170223	
E-10264	*TOTAL KJELDAHL NITROGEN	ND	0.20	0.033	mg/L	1.0	351.2	a	2/21/17	RMW	351.2_170221	
E-10264	*TOTAL ORGANIC NITROGEN	ND	0.20	0.033	mg/L	1.0	351.2	a	2/27/17	RMW	351.2_170224	
NA	*SURFACTANTS	ND	0.050		mg/L	1.0	425.1		2/14/17	AA	cmbas_170214	Analyzed by Alexin
E-10162	*TOTAL SUSPENDED SOLIDS	ND NN	2		mg/L	1.0	I-3765-85	c	2/17/17	CPF	CTSS_170217	
NA	*CORROSIVITY	-2.19			SI	1.0	SM203	a	2/27/17	BJ	COR_170227	
E-11712	COLOR	ND	5		Color Units	1.0	SM2120 B	c	2/14/17	TBP	ccolor_170214	pH: 7.19
E-11734	*ODOR	3.04 N1	1		TON	1.0	SM2150	a	2/14/17	RHF	ODOR_170214	Temperature: 41.1
E-14506	*ALKALINITY	23	1.00		mg CaCO3/L	1.0	SM2320 B	a	2/22/17	RMW	ALK_170222	
E-14506	ALKALINITY	23	1.00		mg CaCO3/L	1.0	SM2320 B	a	2/22/17	RMW	ALK_170222	
NA	*BICARBONATE	23	1.00		mg CaCO3/L	1.0	SM2320 B	a	2/22/17	RMW	ALK_170222	
NA	*CARBONATE	ND	1.00		mgCaCO3/L	1.0	SM2320 B	a	2/22/17	RMW	ALK_170222	
NA	*HYDROXIDE	ND	1.00		mg CaCO3/L	1.0	SM2320 B	a	2/22/17	RMW	ALK_170222	
E-14506	*PHENOLPHTHALEIN ALKALINITY	ND	1.00		mg CaCO3/L	1.0	SM2320 B	a	2/22/17	RMW	ALK_170222	
E-10151	*TOTAL SOLIDS-WATER	68	10		mg/L	1.0	SM2540 B	a	2/15/17	LRS	TS_170215B	
E-10173	*TOTAL DISSOLVED SOLIDS (TDS)	66	10		mg/L	1.0	SM2540 C	a	2/14/17	LRS	TDS_170214	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	66	10		mg/L	1.0	SM2540 C	a	2/14/17	LRS	TDS_170214	
E-10151	*VOLATILE SOLIDS	20	10		mg/L	1.0	SM2540 E	a	2/15/17	LRS	VSLIQ_170215	

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

124-38-9	*CARBON DIOXIDE	2.97	0.5		mg/L	1.0	SM4500-CO2 D	a	3/1/17	BJ	CO2_170301	As Free CO2
E-10128	*TOTAL NITRATE/NITRITE	0.52	0.01	0.0026	mg/L	1.0	SM4500-NO3 F	a	2/21/17	ANP	NO3NO2_170221	
14265-44-2	ORTHO-PHOSPHATE	ND	0.01	0.0020	mg/L	1.0	SM4500-P F	c	2/14/17	CPO	CPO4_170214	
E-10195	TOTAL ORGANIC CARBON	0.52	0.15	0.05	mg/L	1.0	SM5310 B	a	2/23/17	ANP	TOC_170223	
NA	*TANNIN AND LIGNIN	ND	0.5		mg/L	1.0	SM5550	a	2/24/17	LRS	tannins_170224	
7429-90-5	*ALUMINUM	0.01	0.010	0.004	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
7440-70-2	*CALCIUM	5.67	0.5	0.009	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
7440-48-4	*COBALT	ND	0.001	0.0006	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
E-11778	HARDNESS as Calcium Carbonate	21.7	3.30	0.01	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
7439-89-6	IRON	0.01 J	0.050	0.0012	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
7439-95-4	MAGNESIUM	1.83	0.500	0.001	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
7439-98-7	*MOLYBDENUM	ND	0.010	0.005	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
7440-09-7	POTASSIUM	0.78 J	1.0	0.1	mg/L	1.0	200.7/3010A	a	2/16/17	ANP	200.7_170216B	
	*NONCARBONATE HARDNESS	ND	3.30		mg/L	1.0	SM2340 B/3010A	a	2/16/17	ANP	200.7_170216B	
E-10195	*DISSOLVED ORGANIC CARBON	0.59	0.50	0.08	mg/L	1.0	SM5310 B/FILTER	a	2/23/17	ANP	TOC_170223	
7723-14-0	*TOTAL PHOSPHORUS	ND	0.010	0.0026	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/21/17	ANP	TPHOS_170221	

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