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Data Report

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

Reference Number: **18-41526**
Project: Semi-Annual Joint Water
Commission

Report Date: 11/21/18

Date Received: 11/5/18
Approved by: anp,bj,dst,hkl,tbp
Authorized by:

Thanh B Phan
Lab Manager, Portland

Sample Description: Site ID #1 - JWTP FW Hose - Site ID #1										Sample Date: 11/5/18 8:15 am			
Lab Number: 84309		Sample Comment:								Collected By: Joshua Allman			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	
7429-90-5	*ALUMINUM	0.02	0.010	0.004	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7440-70-2	*CALCIUM	8.71	0.5	0.009	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7440-48-4	*COBALT	ND	0.001	0.0006	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
E-11778	HARDNESS as Calcium Carbonate	33.4	3.30	0.01	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7439-89-6	IRON	ND	0.050	0.0012	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7439-95-4	MAGNESIUM	2.82	0.500	0.001	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7439-98-7	*MOLYBDENUM	ND	0.010	0.005	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7440-09-7	POTASSIUM	ND	1.0	0.1	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7631-86-9	SILICA	15.8	0.05	0.003	mg/L	1.0	200.7	a	11/6/18	ANP	200.7_181106A		
7440-50-8	COPPER	ND	0.005	0.00012	mg/L	1.0	200.8	a	11/6/18	BJ	200.8_181106A2		
7439-96-5	MANGANESE	ND	0.001	0.00015	mg/L	1.0	200.8	a	11/6/18	BJ	200.8_181106A2		
7440-22-4	SILVER	0.001	0.010	0.00064	mg/L	1.0	200.8	a	11/6/18	BJ	200.8_181106A2		
7440-66-6	ZINC	ND	0.005	0.00091	mg/L	1.0	200.8	a	11/6/18	BJ	200.8_181106A2		
16887-00-6	CHLORIDE	6.4	0.10	0.0223	mg/L	1.0	300.0	a	11/6/18	HKL	I181106A		
14808-79-8	SULFATE	14.6	0.2	0.0497	mg/L	1.0	300.0	a	11/6/18	HKL	I181106A		
7664-41-7	*AMMONIA-N	ND	0.10	0.0012	mg/L	1.0	350.1	a	11/9/18	LRS	350.1_181109		
NA	*SURFACTANTS	ND		0.1	mg/L	1.0	425.1		11/6/18	AG	ALEX1089_181106	Analyzed by Alexin	
E-10162	*TOTAL SUSPENDED SOLIDS	ND NN	2		mg/L	1.0	I-3765-85	c	11/8/18	SVL	CTSS_181108		
NA	*CORROSIVITY	-2.16			SI	1.0	SM203	a	11/16/18	BJ	COR_181116		
E-14506	*ALKALINITY	34.3	1		mg CaCO3/L	1.0	SM2320 B	a	11/11/18	SRS	ALK_181111		
E-14506	ALKALINITY	34.3	1		mg CaCO3/L	1.0	SM2320 B	a	11/11/18	SRS	ALK_181111		
NA	*BICARBONATE	34.3	1		mg CaCO3/L	1.0	SM2320 B	a	11/11/18	SRS	ALK_181111		
NA	*CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	11/11/18	SRS	ALK_181111		
NA	*HYDROXIDE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	11/11/18	SRS	ALK_181111		

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

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-14506	*PHENOLPHTHALEIN ALKALINITY	ND	1		mg CaCO3/L	1.0	SM2320 B	a	11/11/18	SRS	ALK_181111	
	*NONCARBONATE HARDNESS	ND	3.30		mg/L	1.0	SM2340 B	a	11/16/18	ANP	HARD_181116	
E-10151	*TOTAL SOLIDS-WATER	79	10		mg/L	1.0	SM2540 B	a	11/6/18	HKL	TS.W_181106	
E-10173	*TOTAL DISSOLVED SOLIDS (TDS)	79	10		mg/L	1.0	SM2540 C	a	11/7/18	BSP	TDS_181107	
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	79	10		mg/L	1.0	SM2540 C	a	11/7/18	BSP	TDS_181107	
E-10151	*VOLATILE SOLIDS	22	10		mg/L	1.0	SM2540 E	a	11/6/18	HKL	VS.LIQ_181106	
124-38-9	*CARBON DIOXIDE	35.8	0.5		mg/L	1.0	SM4500-CO2 D	a	11/21/18	BJ	CO2_181121	Free CO2 = 5.6mg/L
E-10128	*TOTAL NITRATE/NITRITE	0.04	0.010	0.0026	mg/L	1.0	SM4500-NO3 F	a	11/9/18	LRS	NO3NO2_181109	
E-10264	*TOTAL ORGANIC NITROGEN	ND	0.50		mg/L	1.0	SM4500-Norg C	a	11/12/18	LRS	TON_181112	
14265-44-2	ORTHO-PHOSPHATE	ND	0.01	0.0023	mg/L	1.0	SM4500-P F	c	11/6/18	JAL	CPO4_181106	
E-10195	TOTAL ORGANIC CARBON	0.83	0.15	0.1094	mg/L	1.0	SM5310 B	a	11/7/18	ANP	TOC_181107	
NA	*TANNIN AND LIGNIN	ND	0.5		mg/L	1.0	SM5550	a	11/10/18	LRS	TANNINS_181110	
E-10264	*TOTAL KJELDAHL NITROGEN	ND	0.20	0.0047	mg/L	1.0	351.2/351.2	a	11/10/18	LRS	351.2_181110	
E-10195	*DISSOLVED ORGANIC CARBON	1.00	0.50	0.08	mg/L	1.0	SM5310 B/FILTER	a	11/7/18	ANP	TOC_181107	Associated MB = 0.29 mg/L
7723-14-0	*TOTAL PHOSPHORUS	ND	0.010	0.0026	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	11/10/18	LRS	TPHOS_181110	

Sample Description: Site ID #1 - JWTP FW Hose - Site ID #1								Sample Date: 11/5/18 12:46 pm				
Lab Number: 84310				Sample Comment:				Collected By: Joshua Allman				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment

E-11734	*ODOR	5 N1	1		TON	1.0	SM2150	a	11/6/18	BSP	odor_181106	Temperature: 39.3
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