



Burlington, WA	Corporate Laboratory (a)	1620 S Walnut St	Burlington, WA 98233	800.755.9295 • 360.757.1400
Bellingham, WA	Microbiology (b)	805 Orchard Dr Ste 4	Bellingham, WA 98225	360.715.1212
Portland, OR	Microbiology/Chemistry (c)	9150 SW Pioneer Ct Ste W	Wilsonville, OR 97070	503.682.7802
Corvallis, OR	Microbiology (d)	540 SW Third Street	Corvallis, OR 97333	541.753.4946

Data Report

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

Reference Number: **14-14770**
Project: Semi Annual - JWTP FW

Report Date: 10/1/14

Date Received: 8/6/14
Approved by: bj,cpo,mvp,spl,srf,ebp
Authorized by:

Lawrence Henderson, PhD
Director of Laboratories, Vice President

Sample Description: Site #1 - JWTP FW Hose	Sample Date: 8/6/14 11:20 am
Lab Number: 34289 Sample Comment: Cl2: 1.02	Collected By: Brian Monnin

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7429-90-5	ALUMINIUM	ND	0.010	0.005	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7440-70-2	CALCIUM	6.8	0.5	0.015	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7440-48-4	COBALT	ND	0.001	0.0005	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
E-11778	HARDNESS as Calcium Carbonate	26.5	3.30	0.02	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7439-89-6	IRON	ND	0.050	0.0007	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7439-95-4	MAGNESIUM	2.3	0.500	0.002	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7439-98-7	MOLYBDENUM	ND	0.010	0.0016	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7440-09-7	POTASSIUM	ND	1.0	0.04	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7631-86-9	SILICA	15.1	0.05	0.002	mg/L	1.0	200.7	a	8/13/14	BJ	200.7-140813A	
7440-50-8	COPPER	ND	0.005	0.00028	mg/L	1.0	200.8	a	8/14/14	MVP	200.8_140814	
7439-96-5	MANGANESE	ND	0.001	0.00025	mg/L	1.0	200.8	a	8/14/14	MVP	200.8_140814	
7440-22-4	SILVER	ND	0.010	6.30E-05	mg/L	1.0	200.8	a	8/14/14	MVP	200.8_140814	
7440-66-6	ZINC	ND	0.005	0.00091	mg/L	1.0	200.8	a	8/14/14	MVP	200.8_140814	
16887-00-6	CHLORIDE	4.00	0.1	0.0211	mg/L	1.0	300.0	a	8/9/14	SRF	I140808A	
14808-79-8	SULFATE	10	0.2	0.0174	mg/L	1.0	300.0	a	8/9/14	SRF	I140808A	
7664-41-7	AMMONIA	ND	0.01	0.0031	mg/L	1.0	350.1	a	8/11/14	SPL	350.1_140811	
E-10264	TOTAL KJELDAHL NITROGEN	ND	0.20	0.0031	mg/L	1.0	351.2	a	8/13/14	SPL	351.2_140813	
E-10264	TOTAL ORGANIC NITROGEN	ND	0.20	0.0031	mg/L	1.0	351.2	a	8/13/14	SPL	351.2_140813	
NA	SURFACTANTS	ND			mg/L	1.0	425.1		8/7/14	AA	cmbas_140807	
E-10162	TOTAL SUSPENDED SOLIDS	ND	4		mg/L	1.0	I-3765-85	a	8/8/14	SRF	TSS_140808	
NA	CORROSIVITY	-2.82			SI	1.0	SM203	a	9/5/14	mvp	cor_140905	
E-11712	COLOR	ND	5	1	Color Units	1.0	SM2120 B	a	8/7/14	AJS	CCOLOR_140807	pH:
E-11734	ODOR	10.4	2		TON	2.0	SM2150	a	8/8/14	MMH	ODOR_140808	Temperature: 39.8C
E-14506	ALKALINITY	28.1	1		mg CaCO3/L	1.0	SM2320 B	a	8/14/14	SRF	ALK_140814	
E-14506	ALKALINITY	28.1	1		mg CaCO3/L	1.0	SM2320 B	a	8/14/14	SRF	ALK_140814	

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

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

Data Report

NA	BICARBONATE	28.1	1		mg CaCO3/L	1.0	SM2320 B	a	8/14/14	SRF	ALK_140814
NA	CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	8/14/14	SRF	ALK_140814
NA	HYDROXIDE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	8/14/14	SRF	ALK_140814
E-14506	PHENOLPHTHALEIN ALKALINITY	ND	1		mg CaCO3/L	1.0	SM2320 B	a	8/14/14	SRF	ALK_140814
	NONCARBONATE HARDNESS	ND	0.1		mg/L	1.0	SM2340 B	a	8/19/14		200.7-140813A
E-10184	ELECTRICAL CONDUCTIVITY	88.80	10	10	uS/cm	1.0	SM2510 B	a	8/8/14	AJS	CEC_140807
E-10151	TOTAL SOLIDS-WATER	64	10		mg/L	1.0	SM2540 B	a	8/11/14	SRF	TS_140811B
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	69	10		mg/L	1.0	SM2540 C	a	8/11/14	SRF	TDS_140811
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	69	10		mg/L	1.0	SM2540 C	a	8/11/14	SRF	TDS_140811
E-10151	VOLATILE SOLIDS	12	10		mg/L	1.0	SM2540 E	a	8/11/14	SRF	VDS_140811
124-38-9	CARBON DIOXIDE	13.5	0.5		mg/L	1.0	SM4500-CO2 D	a	9/5/14	mvp	CO2_140905
E-10139	HYDROGEN ION (pH)	6.62 H5			pH Units	1.0	SM4500-H+ B	a	8/6/14	CPO	CpH_140806
14265-44-2	ORTHO-PHOSPHATE	0.01	0.01	0.0020	mg/L	1.0	SM4500-P F	a	8/6/14	CPO	CPO4_140806
E-10195	TOTAL ORGANIC CARBON	0.65	0.15	0.064	mg/L	1.0	SM5310 B	a	8/12/14	BJ	TOC_140811
NA	TANNIN AND LIGNIN	ND	0.5		mg/L	1.0	SM5550	a	8/15/14	SRF	TANNINS_140815
E-10195	DISSOLVED ORGANIC CARBON	0.57	0.50	0.064	mg/L	1.0	SM5310 B/FILTER	a	8/12/14	BJ	TOC_140811
7723-14-0	TOTAL PHOSPHORUS	ND	0.010	0.003	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	8/11/14	SPL	TPHOS-140811

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