



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/Chemistry (d)
540 SW Third Street - Corvallis, OR 97333 - 541.753.4946
Bend, OR Microbiology (e)
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425



Data Report

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

Reference Number: **15-03393**
Project: Semi Annual Joint Water
Commission FW

Report Date: 3/20/15

Date Received: 2/23/15

Approved by: ajs,bj,cpo,mvp,sps,srf,ebp

Authorized by:

Thanh B Phan
Lab Manager, Portland

Sample Description: Site ID #1 - JWTP FW Hose
Lab Number: 7813 Sample Comment: Cl2: 1.06
Sample Date: 2/23/15 8:30 am
Collected By: Brian Monnin

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	2/27/15	BJ	200.7-150227A	
7440-70-2	*CALCIUM	8.3	0.5	0.009	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
7440-48-4	*COBALT	ND	0.010	0.0006	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
E-11778	HARDNESS as Calcium Carbonate	31.8	3.30	0.01	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
7439-89-6	IRON	ND	0.050	0.0012	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
7439-95-4	MAGNESIUM	2.7	0.500	0.001	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
7439-98-7	*MOLYBDENUM	ND	0.010	0.005	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
7440-09-7	POTASSIUM	ND	1.0	0.1	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
7631-86-9	SILICA	18.1	0.05	0.003	mg/L	1.0	200.7	a	2/27/15	BJ	200.7-150227A	
7440-50-8	COPPER	ND	0.005	2.45E-05	mg/L	1.0	200.8	a	2/25/15	MVP	200.8_150226	
7439-96-5	MANGANESE	ND	0.001	1.19E-05	mg/L	1.0	200.8	a	2/25/15	MVP	200.8_150226	
7440-22-4	SILVER	ND	0.010	9.14E-06	mg/L	1.0	200.8	a	2/25/15	MVP	200.8_150226	
7440-66-6	ZINC	ND	0.005	7.13E-05	mg/L	1.0	200.8	a	2/25/15	MVP	200.8_150226	
16887-00-6	CHLORIDE	5.28	0.1	0.0211	mg/L	1.0	300.0	a	2/25/15	SRF	I150224A	
14808-79-8	SULFATE	12	0.2	0.0174	mg/L	1.0	300.0	a	2/25/15	SRF	I150224A	
7664-41-7	*AMMONIA	ND	0.01		mg/L	1.0	350.1	a	2/25/15	SPS	350.1_150225	
E-10264	*TOTAL KJELDAHL NITROGEN	ND	0.20		mg/L	1.0	351.2	a	3/3/15	SPS	351.2_150303	
E-10264	*TOTAL ORGANIC NITROGEN	ND			mg/L	1.0	351.2	a	3/3/15	SPS	351.2_150303	
NA	*SURFACTANTS	ND			mg/L	1.0	425.1		2/24/15	AA	CMBAS_150224	Analyzed by Alexin
E-10162	*TOTAL SUSPENDED SOLIDS	ND NN	2		mg/L	0.5	I-3765-85	c	2/27/15	AJS	CTSS_150227	
NA	*CORROSIVITY	-2.57			SI	1.0	SM203	a	3/10/15	mvp	COR_150310	
E-11734	*ODOR	2.5 H1	1		TON	1.0	SM2150	a	2/24/15	MMH	ODOR_150224	Temperature: 41.6C
E-14506	*ALKALINITY	35.3	1	1.4	mg CaCO3/L	1.0	SM2320 B	a	2/24/15	SRF	ALK_150224	
E-14506	ALKALINITY	35.3	1		mg CaCO3/L	1.0	SM2320 B	a	2/24/15	SRF	ALK_150224	

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 * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAP, 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.

Data Report

NA	*BICARBONATE	35.3	1		mg CaCO3/L	1.0	SM2320 B	a	2/24/15	SRF	ALK_150224
NA	*CARBONATE	ND	1		mgCaCO3/L	1.0	SM2320 B	a	2/24/15	SRF	ALK_150224
NA	*HYDROXIDE	ND	1		mg CaCO3/L	1.0	SM2320 B	a	2/24/15	SRF	ALK_150224
E-14506	*PHENOLPHTHALEIN ALKALINITY	ND	1		mg CaCO3/L	1.0	SM2320 B	a	2/24/15	SRF	ALK_150224
	*NONCARBONATE HARDNESS	ND	3.30		mg/L	1.0	SM2340 B	a	2/27/15	BJ	200.7-150227A
E-10151	*TOTAL SOLIDS-WATER	90	10		mg/L	1.0	SM2540 B	a	2/27/15	SRF	TS_150224
E-10173	*TOTAL DISSOLVED SOLIDS (TDS)	84	10		mg/L	1.0	SM2540 C	a	2/27/15	SRF	TDS_150224
E-10173	TOTAL DISSOLVED SOLIDS (TDS)	84	10		mg/L	1.0	SM2540 C	a	2/27/15	SRF	TDS_150224
E-10151	*VOLATILE SOLIDS	15	10		mg/L	1.0	SM2540 E	a	3/4/15	SRF	VS_150224
E-14540	*Temperature, Celsius	9.4			C	1.0	SM2550 B		2/23/15	BM	CTEMP_150223
124-38-9	*CARBON DIOXIDE	14.75	0.5		mg/L	1.0	SM4500-CO2 D	a	3/10/15	mvp	CO2_150310
E-10139	*HYDROGEN ION (pH)	6.68 H5			pH Units	1.0	SM4500-H+ B	c	2/23/15	CPO	CpH_150223
14265-44-2	ORTHO-PHOSPHATE	0.01	0.01	0.0020	mg/L	1.0	SM4500-P F	c	2/24/15	CPO	CPO4_150224
E-10195	TOTAL ORGANIC CARBON	0.59	0.15	0.05	mg/L	1.0	SM5310 B	a	2/27/15	BJ	TOC_150226B
NA	*TANNIN AND LIGNIN	ND	0.5		mg/L	1.0	SM5550	a	3/5/15	SRF	TANNINS_150305
E-10195	*DISSOLVED ORGANIC CARBON	0.61	0.50	0.064	mg/L	1.0	SM5310 B/FILTER	a	2/27/15	BJ	TOC_150226B
7723-14-0	*TOTAL PHOSPHORUS	ND	0.010	0.0124	mg/L	1.0	SM4500-P F/SM4500-P B(5)	a	2/25/15	SPS	TPHOS-150225

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 * in front of the parameter name indicates it is not NELAP accredited but it is accredited through WSDOH or USEPA Region 10.

These test results meet all the requirements of NELAP, 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.