

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00065576

Client: CITY OF EVERETT - IPT Date Received: 01/24/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ36673 - FEN		Sample Date/Time: 01/23/24 07:30				Sampler: CJ		
CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Cyanide	EPA 1631E	<0.005				mg/L	02/21/24 11:30	CM
Dis. Hexavalent Chromium		<0.03				µg/L	02/26/24 11:10	CM
Hardness		81.4				mg/L	02/26/24 11:10	CM
HEM		<5				mg/L	02/21/24 11:30	CM
HEM - Non-Polar		<5				mg/L	02/21/24 11:30	CM
HEM - Polar		<5				mg/L	02/21/24 11:30	CM
Mercury Low		11				ng/L	02/01/24 13:20	CM
Phenolics		<0.04				mg/L	02/21/24 11:30	CM
TOC		22.3				mg/L	02/21/24 11:30	CM
CONVENTIONALS	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
TDS	SM2540 C	370		10	40	mg/L	02/15/24 08:48	SH
METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	0.6		0.1	0.4	µg/L	02/07/24 09:59	DV
Arsenic Low Level	200.8	0.9		0.1	0.4	µg/L	02/07/24 09:59	DV
Beryllium Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Cadmium Low Level	200.8	<0.06		0.06	0.24	µg/L	02/07/24 09:59	DV
Chromium Low Level	200.8	1.1 J		0.3	1.2	µg/L	02/07/24 09:59	DV
Cobalt	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Copper Low Level	200.8	6.2		0.4	1.6	µg/L	02/07/24 09:59	DV
Lead Low Level	200.8	1.4		0.1	0.4	µg/L	02/07/24 09:59	DV
Manganese Low Level	200.8	121		0.1	0.4	µg/L	02/07/24 09:59	DV
Mercury	245.1	0.011 J		0.010	0.040	µg/L	02/14/24 09:19	DV
Molybdenum	200.8	1.8		0.4	1.6	µg/L	02/07/24 09:59	DV
Nickel Low Level	200.8	2.3		0.1	0.4	µg/L	02/07/24 09:59	DV
Selenium	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Silver Low Level	200.8	0.15 J		0.09	0.36	µg/L	02/07/24 09:59	DV
Thallium Low Level	200.8	<0.09		0.09	0.36	µg/L	02/07/24 09:59	DV
Tin	200.8	<2.5		2.5	10.0	µg/L	02/07/24 09:59	DV
Titanium	NOT ACCRED	< 6.3		6.3	25.2	µg/L	02/07/24 09:59	DV
Vanadium	200.8	<0.6		0.6	2.4	µg/L	02/07/24 09:59	DV
Zinc Low Level	200.8	17		3.8	15.2	µg/L	02/07/24 09:59	DV

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Client: CITY OF EVERETT - IPT Date Received: 01/24/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ36678 - FEN FB		Sample Date/Time: 01/22/24 14:00				Sampler: CJ		
CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Mercury Low	EPA 1631E	0.80				ng/L	02/01/24 13:20	CM
METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Arsenic Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Beryllium Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Cadmium Low Level	200.8	<0.06		0.06	0.24	µg/L	02/07/24 09:59	DV
Chromium Low Level	200.8	<0.3		0.3	1.2	µg/L	02/07/24 09:59	DV
Cobalt	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Copper Low Level	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Lead Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Manganese Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Mercury	245.1	<0.010		0.010	0.040	µg/L	02/14/24 09:20	DV
Molybdenum	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Nickel Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Selenium	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Silver Low Level	200.8	<0.09		0.09	0.36	µg/L	02/07/24 09:59	DV
Thallium Low Level	200.8	<0.09		0.09	0.36	µg/L	02/07/24 09:59	DV
Tin	200.8	<2.5		2.5	10.0	µg/L	02/07/24 09:59	DV
Titanium	NOT ACCRED	<6.3		6.3	25.2	µg/L	02/07/24 09:59	DV
Vanadium	200.8	<0.6		0.6	2.4	µg/L	02/07/24 09:59	DV
Zinc Low Level	200.8	<3.8		3.8	15.2	µg/L	02/07/24 09:59	DV

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00065576

Client: CITY OF EVERETT - IPT

Date Received: 01/24/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ36679 - SCE		Sample Date/Time: 01/23/24 07:45				Sampler: CJ		
CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Cyanide	EPA 1631E	<0.005				mg/L	02/21/24 11:30	CM
Dis. Hexavalent Chromium		<0.03				µg/L	02/26/24 11:10	CM
Hardness		99.8				mg/L	02/26/24 11:10	CM
HEM		<5				mg/L	02/21/24 11:30	CM
HEM - Non-Polar		<5				mg/L	02/21/24 11:30	CM
HEM - Polar		<5				mg/L	02/21/24 11:30	CM
Mercury Low		3.9				ng/L	02/01/24 13:20	CM
Phenolics		<0.04				mg/L	02/21/24 11:30	CM
TOC		13.87				mg/L	02/21/24 11:30	CM
CONVENTIONALS	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
TDS	SM2540 C	470		10	40	mg/L	02/15/24 08:48	SH
METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	0.5		0.1	0.4	µg/L	02/07/24 09:59	DV
Arsenic Low Level	200.8	0.6		0.1	0.4	µg/L	02/07/24 09:59	DV
Beryllium Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Cadmium Low Level	200.8	<0.06		0.06	0.24	µg/L	02/07/24 09:59	DV
Chromium Low Level	200.8	0.5 J		0.3	1.2	µg/L	02/07/24 09:59	DV
Cobalt	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Copper Low Level	200.8	5.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Lead Low Level	200.8	0.3 J		0.1	0.4	µg/L	02/07/24 09:59	DV
Manganese Low Level	200.8	93.2		0.1	0.4	µg/L	02/07/24 09:59	DV
Mercury	245.1	<0.010		0.010	0.040	µg/L	02/14/24 09:22	DV
Molybdenum	200.8	1.4 J		0.4	1.6	µg/L	02/07/24 09:59	DV
Nickel Low Level	200.8	2.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Selenium	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Silver Low Level	200.8	<0.09		0.09	0.36	µg/L	02/07/24 09:59	DV
Thallium Low Level	200.8	<0.09		0.09	0.36	µg/L	02/07/24 09:59	DV
Tin	200.8	<2.5		2.5	10.0	µg/L	02/07/24 09:59	DV
Titanium	NOT ACCRED	<6.3		6.3	25.2	µg/L	02/07/24 09:59	DV
Vanadium	200.8	<0.6		0.6	2.4	µg/L	02/07/24 09:59	DV
Zinc Low Level	200.8	26		3.8	15.2	µg/L	02/07/24 09:59	DV

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PROJECT # 00065576

Client: CITY OF EVERETT - IPT Date Received: 01/24/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ36684 - SCE FB Sample Date/Time: 01/22/24 14:15 Sampler: CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Mercury Low	EPA 1631E	0.85				ng/L	02/01/24 13:20	CM

METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Arsenic Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Beryllium Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Cadmium Low Level	200.8	<0.06		0.06	0.24	µg/L	02/07/24 09:59	DV
Chromium Low Level	200.8	<0.3		0.3	1.2	µg/L	02/07/24 09:59	DV
Cobalt	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Copper Low Level	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Lead Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Manganese Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Mercury	245.1	<0.010		0.010	0.040	µg/L	02/14/24 09:20	DV
Molybdenum	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Nickel Low Level	200.8	<0.1		0.1	0.4	µg/L	02/07/24 09:59	DV
Selenium	200.8	<0.4		0.4	1.6	µg/L	02/07/24 09:59	DV
Silver Low Level	200.8	<0.09		0.09	0.36	µg/L	02/07/24 09:59	DV
Thallium Low Level	200.8	<0.09		0.09	0.36	µg/L	02/07/24 09:59	DV
Tin	200.8	<2.5		2.5	10.0	µg/L	02/07/24 09:59	DV
Titanium	NOT ACCRED	<6.3		6.3	25.2	µg/L	02/07/24 09:59	DV
Vanadium	200.8	<0.6		0.6	2.4	µg/L	02/07/24 09:59	DV
Zinc Low Level	200.8	<3.8		3.8	15.2	µg/L	02/07/24 09:59	DV

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00065576

Client: CITY OF EVERETT - IPT Date Received: 01/24/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ36685		-	PI	Sample Date/Time:			01/23/24 08:00		Sampler:		CJ
CONTRACT		Method	Results	Qual	MDL	PQL	Units	Analysis Time		Analyst	
Cyanide			<0.005				mg/L	02/21/24	11:30	CM	
Dis. Hexavalent Chromium			<0.03				µg/L	02/26/24	11:10	CM	
HEM			18				mg/L	02/21/24	11:30	CM	
HEM - Non-Polar			<5				mg/L	02/21/24	11:30	CM	
HEM - Polar			17				mg/L	02/21/24	11:30	CM	
Mercury Low		EPA 1631E	47				ng/L	02/01/24	13:20	CM	
Phenolics			0.15				mg/L	02/21/24	11:30	CM	
METALS(T)		Method	Results	Qual	MDL	PQL	Units	Analysis Time		Analyst	
Antimony Low Level		200.8	0.9		0.1	0.4	µg/L	02/07/24	09:59	DV	
Arsenic Low Level		200.8	0.8		0.1	0.4	µg/L	02/07/24	09:59	DV	
Beryllium Low Level		200.8	<0.1		0.1	0.4	µg/L	02/07/24	09:59	DV	
Cadmium Low Level		200.8	0.14 J		0.06	0.24	µg/L	02/07/24	09:59	DV	
Chromium Low Level		200.8	1.8		0.3	1.2	µg/L	02/07/24	09:59	DV	
Cobalt		200.8	0.4 J		0.4	1.6	µg/L	02/07/24	09:59	DV	
Copper Low Level		200.8	25.2		0.4	1.6	µg/L	02/07/24	09:59	DV	
Lead Low Level		200.8	1.1		0.1	0.4	µg/L	02/07/24	09:59	DV	
Manganese Low Level		200.8	106		0.1	0.4	µg/L	02/07/24	09:59	DV	
Mercury		245.1	0.125		0.010	0.040	µg/L	02/14/24	09:22	DV	
Molybdenum		200.8	1.8		0.4	1.6	µg/L	02/07/24	09:59	DV	
Nickel Low Level		200.8	3.6		0.1	0.4	µg/L	02/07/24	09:59	DV	
Selenium		200.8	0.4 J		0.4	1.6	µg/L	02/07/24	09:59	DV	
Silver Low Level		200.8	0.13 J		0.09	0.36	µg/L	02/07/24	09:59	DV	
Thallium Low Level		200.8	<0.09		0.09	0.36	µg/L	02/07/24	09:59	DV	
Tin		200.8	<2.5		2.5	10.0	µg/L	02/07/24	09:59	DV	
Titanium		NOT ACCRED	12 J		6.3	25.2	µg/L	02/07/24	09:59	DV	
Vanadium		200.8	1.2 J		0.6	2.4	µg/L	02/07/24	09:59	DV	
Zinc Low Level		200.8	100		3.8	15.2	µg/L	02/07/24	09:59	DV	

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00065576

Client:	CITY OF EVERETT - IPT	Date Received:	01/24/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	Charles Johnstone	Date Reported:	05/30/25

BQ36690 - PI FB					Sample Date/Time: 01/22/24 14:30		Sampler: CJ	
CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Mercury Low	EPA 1631E	0.67				ng/L	02/01/24 13:20	CM

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00065576

Client: CITY OF EVERETT - IPT

Date Received: 01/24/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ36691 - WSS		Sample Date/Time: 01/23/24 13:00				Sampler: CJ		
CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Cyanide		<9.72				mg/kg	02/21/24 11:30	CM
Phenolics mg/kg		<252				mg/kg	02/21/24 11:30	CM
Total Solids %		0.46					02/21/24 11:30	CM
CONVENTIONALS	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
% TS	SM2540-G	0.47				%	02/09/24 08:03	DV
FIELD	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
pH Field		7.02				SU	01/23/24 13:00	CJ
METALS(S)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony mg/kg	6020B	3.70		0.787	3.150	mg/kg	02/21/24 15:07	DV
Arsenic mg/kg	6020B	3.72		0.787	3.150	mg/kg	02/21/24 15:06	DV
Beryllium mg/kg	6020B	<0.787		0.787	3.150	mg/kg	02/21/24 15:06	DV
Cadmium mg/kg	6020B	1.45 J		0.525	2.100	mg/kg	02/21/24 15:06	DV
Chromium mg/kg	6020B	27.2		1.31	5.2	mg/kg	02/21/24 15:06	DV
Cobalt mg/kg	6020B	3.04 J		0.787	3.150	mg/kg	02/21/24 15:06	DV
Copper mg/kg	6020B	261		1.31	5.2	mg/kg	02/21/24 15:06	DV
Lead mg/kg	6020B	22.7		0.787	3.150	mg/kg	02/21/24 15:06	DV
Manganese mg/kg	6020B	272		0.787	3.150	mg/kg	02/21/24 15:06	DV
Mercury mg/kg	7471	0.337		0.001	0.004	mg/kg	02/14/24 09:29	DV
Molybdenum mg/kg	6020B	5.73		0.787	3.150	mg/kg	02/21/24 15:06	DV
Nickel mg/kg	6020B	17.2		0.787	3.150	mg/kg	02/21/24 15:06	DV
Selenium mg/kg	6020B	3.21		0.787	3.150	mg/kg	02/21/24 15:07	DV
Silver mg/kg	6020B	1.58 J		0.787	3.150	mg/kg	02/21/24 15:06	DV
Thallium mg/kg	6020B	<0.787		0.787	3.150	mg/kg	02/21/24 15:07	DV
Tin mg/kg	6020B	10.5 J		5.25	21.0	mg/kg	02/21/24 15:07	DV
Vanadium mg/kg	6020B	13.4		1.31	5.2	mg/kg	02/21/24 15:07	DV
Zinc mg/kg	6020B	815		7.87	31.4	mg/kg	02/21/24 15:07	DV



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)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802
Corvallis, OR *Microbiology/Chemistry (d)*
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Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

February 16, 2024

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Mr. Chris Merwede
Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201
RE: 24-02070 - 65576

Dear Mr. Chris Merwede,

Your project: 65576, was received on Thursday January 25, 2024.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully

A handwritten signature in blue ink, reading "Lawrence J Henderson", with a stylized flourish at the end.

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report
QC Reports
Chain of Custody



Burlington, WA Corporate Laboratory (a)
1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
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Corvallis, OR Microbiology/Chemistry (d)
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Bend, OR Microbiology (e)
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Page 1 of 1

Data Report

Client Name: Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Reference Number: **24-02070**
Project: 65576

Report Date: 2/16/24

Date Received: 1/25/24

Approved by: anp,mcs

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: FEN BQ36673								Matrix WW	Sample Date: 1/23/24 7:30 am			
Lab Number: 4048		Sample Comment:						Collected By: C Johnstone/A Pennin				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-11778	HARDNESS as Calcium Carbonate	81.4	1.0	0.1	mg/L	1.0	200.7/TR	a	2/1/24	BJ	200.7_240201B5	
18540-29-9	HEXAVALENT CHROMIUM	ND	0.0300	0.00660	ug/L	1.0	218.6	a	2/2/24	ZZZ	Element_240202	Analyzed by Edge Element

Sample Description: SCE BQ36679								Matrix WW	Sample Date: 1/23/24 7:30 am			
Lab Number: 4049		Sample Comment:						Collected By: C Johnstone/A Pennin				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-11778	HARDNESS as Calcium Carbonate	99.8	1.0	0.1	mg/L	1.0	200.7/TR	a	2/1/24	BJ	200.7_240201B5	
18540-29-9	HEXAVALENT CHROMIUM	ND	0.0300	0.00660	ug/L	1.0	218.6	a	2/2/24	ZZZ	Element_240202	Analyzed by Edge Element

Sample Description: PI BQ36685								Matrix WW	Sample Date: 1/23/24 7:30 am			
Lab Number: 4050		Sample Comment:						Collected By: C Johnstone/A Pennin				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
18540-29-9	HEXAVALENT CHROMIUM	ND	0.0300	0.00660	ug/L	1.0	218.6	a	2/2/24	ZZZ	Element_240202	Analyzed by Edge Element

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.

Form: cRslt_2.rpt



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-02070**

Report Date: 02/16/24

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
200.7_240201B5	2 HARDNESS as Calcium Carbonate	74	72.8	mg/L	200.7	102	90-110		CAL	
Laboratory Fortified Blank										
200.7_240201B5	2 HARDNESS as Calcium Carbonate	43.6	43	mg/L	200.7	101	85-115		LFB	
Laboratory Reagent Blank										
200.7_240201B5	0 HARDNESS as Calcium Carbonate	ND		mg/L	200.7		0-0		LRB	
Method Blank										
200.7_240201B5	0 HARDNESS as Calcium Carbonate	ND		mg/L	200.7		0-0		MB	
Quality Control Sample										
200.7_240201B5	1 HARDNESS as Calcium Carbonate	130	132.3	mg/L	200.7	98	95-105		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate
and Confirmation Result Report

Reference Number: **24-02070**

Report Date: 2/16/2024

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7_240201B5									
E-11778	4551	HARDNESS as Calcium Carbonate	40.7	41.8	mg CaCO ₃ /L	2.7	0-20		

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	QC	Comments
								MS	MSD				Qualifier	
200.7_240201B5														
E-11778	4551	HARDNESS as Calcium Carbonate	40.7	81.2		43.0	mg CaCO3/L	94		70-130	NA	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent_Port.rpt



Qualifier Definitions

Reference Number: 24-02070

Report Date: 02/16/24

Qualifier	Definition
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.



Analytical Resources, LLC
Analytical Chemists and Consultants
Tukwila, WA

20 February 2024

Chris Merwede
City of Everett
PO Box 12130
Everett, WA 98206

RE: General (65576)

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)
24A0530

Associated SDG ID(s)
N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

Kelly Bottem, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.







ANALYSIS REQUEST
CHAIN OF CUSTODY

PROJECT #
65576

[illegible]

--INDICATE: LAB PERFORMING ANALYSIS / # OF CONTAINERS--

CHAIN OF CUSTODY			
*Relinquished:		Received:	
*Relinquished:		Received:	
*Relinquished:		Received:	

Date:	Time:
1/24/27	1036
1/24/24	1234

COMMENTS: HEM/SGT-HEM Taken as 4 grabs (at each site) composite in Lab (H2S/O4) CN- (NaOH)					
		FEN	SCE	PI	WSS
	A	0730	0745	0750	-
	B	1105	1120	1130	-
	C	1500	1515	1520	1530
	D	0700	0715	0725	-



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BQ36673	24A0530-01	Water	23-Jan-2024 07:30	24-Jan-2024 12:34
BQ36679	24A0530-02	Water	23-Jan-2024 07:30	24-Jan-2024 12:34
BQ36685	24A0530-03	Water	23-Jan-2024 07:30	24-Jan-2024 12:34
BQ36691	24A0530-04	Solid	23-Jan-2024 15:30	24-Jan-2024 12:34



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Work Order Case Narrative

Client: City of Everett
Project: 65576
Work Order: 24A0530

Sample receipt

Samples as listed on the preceding page were received January 24, 2024 under ARI work order 24A0530. For details regarding sample receipt, please refer to the Cooler Receipt Form.

Wet Chemistry

The sample(s) were prepared and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits with the exception of analytes flagged on the associated forms.



WORK ORDER

24A0530

Samples will be discarded 90 days after submission of a final report unless other instructions are received

Client: City of Everett

Project Manager: Kelly Bottem

Project: General

Project Number: 65576

Preservation Confirmation

Container ID	Container Type	pH
24A0530-01 A	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-01 B	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-01 C	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-01 D	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-01 E	HDPE NM, 500 mL, NaOH	>12 PASS
24A0530-01 F	Glass NM, Amber, 500 mL	
24A0530-01 G	Glass NM, Amber, 250 mL, 9N H2SO4	<2 PASS
24A0530-02 A	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-02 B	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-02 C	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-02 D	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-02 E	HDPE NM, 500 mL, NaOH	>12 PASS
24A0530-02 F	Glass NM, Amber, 500 mL	
24A0530-02 G	Glass NM, Amber, 250 mL, 9N H2SO4	<2 PASS
24A0530-03 A	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-03 B	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-03 C	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-03 D	Glass WM, Clear, 8 oz, 9N H2SO4	<2 PASS
24A0530-03 E	HDPE NM, 500 mL, NaOH	>12 PASS
24A0530-03 F	Glass NM, Amber, 500 mL	
24A0530-04 A	HDPE NM, 500 mL, NaOH	>12 PASS
24A0530-04 B	Glass NM, Amber, 500 mL	
24A0530-04 C	HDPE NM, 500 mL	
24A0530-04 D	HDPE NM, 500 mL	

KFC

Preservation Confirmed By

6/24/24

Date



Cooler Receipt Form

ARI Client: City of Everett

Project Name: Plant Quarterly SS

COC No(s): NA

Delivered by: Fed-Ex UPS Courier Hand Delivered Other: NA

Assigned ARI Job No: 24A0530

Tracking No: NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler? YES NO

Were custody papers included with the cooler? YES NO

Were custody papers properly filled out (ink, signed, etc.) YES NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)

Time 1234

8.6°C

If cooler temperature is out of compliance fill out form 00070F

Temp Gun ID#: 5009708

Cooler Accepted by: mm

Date: 01/24/24

Time: 1234

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES NO

What kind of packing material was used? ... Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: NA

Was sufficient ice used (if appropriate)? NA YES NO

How were bottles sealed in plastic bags? Individually Grouped Not

Did all bottles arrive in good condition (unbroken)? YES NO

Were all bottle labels complete and legible? YES NO

Did the number of containers listed on COC match with the number of containers received? YES NO

Did all bottle labels and tags agree with custody papers? YES NO

Were all bottles used correct for the requested analyses? YES NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) ... NA YES NO

Were all VOC vials free of air bubbles? NA YES NO

Was sufficient amount of sample sent in each bottle? YES NO

Date VOC Trip Blank was made at ARI: NA

Were the sample(s) split by ARI? NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: KFC Date: 01/24/24 Time: 1503 Labels checked by: KFC

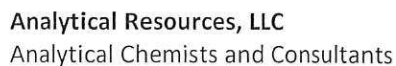
**** Notify Project Manager of discrepancies or concerns ****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: _____

Date: _____



Cooler Temperature Compliance Form

Page 7 of 30 24A0530 ARISample FINAL 20 Feb 2024 1552



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36673
24A0530-01 (Water)

Wet Chemistry

Method: EPA 1664B

Sampled: 01/23/2024 07:30

Instrument: Bal2 Analyst: UW

Analyzed: 01/25/2024 12:40

Sample Preparation:

Preparation Method: EPA 3535A SPE (Solid Phase Extraction)

Extract ID: 24A0530-01

Preparation Batch: BMA0639

Sample Size: 970 mL

Prepared: 01/25/2024

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
HEM Oil & Grease		1	5	ND	mg/L	U
SGT-HEM NP Oil & Grease		1	5	ND	mg/L	U
HEM Polar Oil & Grease		1	5	ND	mg/L	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36673
24A0530-01 (Water)

Wet Chemistry

Method: EPA 420.1

Sampled: 01/23/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 02/19/2024 04:29

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24A0530-01 G

Preparation Batch: BMB0482

Sample Size: 30 mL

Prepared: 02/19/2024

Final Volume: 31 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Phenolics		1	0.04	0.04	ND	mg/L	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36673
24A0530-01 (Water)

Wet Chemistry

Method: EPA 9014

Sampled: 01/23/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 02/06/2024 08:28

Sample Preparation:

Preparation Method: EPA 9010C m

Extract ID: 24A0530-01 E

Preparation Batch: BMB0068

Sample Size: 50 mL

Prepared: 02/05/2024

Final Volume: 50 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Cyanide, Total	57-12-5	1	0.0050	0.0050	ND	mg/L	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36673
24A0530-01 (Water)

Wet Chemistry

Method: SM 5310 B-00

Sampled: 01/23/2024 07:30

Instrument: TOC-LCSH Analyst: RMS

Analyzed: 02/08/2024 02:55

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24A0530-01 G

Preparation Batch: BMB0153

Sample Size: 20 mL

Prepared: 02/07/2024

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Organic Carbon		1	0.50	0.50	22.30	mg/L	



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36679
24A0530-02 (Water)

Wet Chemistry

Method: EPA 1664B

Sampled: 01/23/2024 07:30

Instrument: Bal2 Analyst: UW

Analyzed: 01/25/2024 12:40

Sample Preparation:

Preparation Method: EPA 3535A SPE (Solid Phase Extraction)

Extract ID: 24A0530-02

Preparation Batch: BMA0639

Sample Size: 1030 mL

Prepared: 01/25/2024

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
HEM Oil & Grease		1	5	ND	mg/L	U
SGT-HEM NP Oil & Grease		1	5	ND	mg/L	U
HEM Polar Oil & Grease		1	5	ND	mg/L	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36679
24A0530-02 (Water)

Wet Chemistry

Method: EPA 420.1

Sampled: 01/23/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 02/19/2024 04:31

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24A0530-02 G

Preparation Batch: BMB0482

Sample Size: 30 mL

Prepared: 02/19/2024

Final Volume: 31 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Phenolics		1	0.04	0.04	ND	mg/L	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36679
24A0530-02 (Water)

Wet Chemistry

Method: EPA 9014

Sampled: 01/23/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 02/06/2024 08:29

Sample Preparation:

Preparation Method: EPA 9010C m

Extract ID: 24A0530-02 E

Preparation Batch: BMB0068

Sample Size: 50 mL

Prepared: 02/05/2024

Final Volume: 50 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Cyanide, Total	57-12-5	1	0.0050	0.0050	ND	mg/L	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36679
24A0530-02 (Water)

Wet Chemistry

Method: SM 5310 B-00

Sampled: 01/23/2024 07:30

Instrument: TOC-LCSH Analyst: RMS

Analyzed: 02/08/2024 03:23

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24A0530-02 G

Preparation Batch: BMB0153

Sample Size: 20 mL

Prepared: 02/07/2024

Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Organic Carbon		1	0.50	0.50	13.87	mg/L	



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36685
24A0530-03 (Water)

Wet Chemistry

Method: EPA 1664B

Sampled: 01/23/2024 07:30

Instrument: Bal2 Analyst: UW

Analyzed: 01/25/2024 12:40

Sample Preparation:

Preparation Method: EPA 3535A SPE (Solid Phase Extraction)

Extract ID: 24A0530-03

Preparation Batch: BMA0639

Sample Size: 980 mL

Prepared: 01/25/2024

Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
HEM Oil & Grease		1	5	18	mg/L	
SGT-HEM NP Oil & Grease		1	5	ND	mg/L	U
HEM Polar Oil & Grease		1	5	17	mg/L	



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36685
24A0530-03 (Water)

Wet Chemistry

Method: EPA 420.1

Sampled: 01/23/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 02/19/2024 04:32

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24A0530-03 F

Preparation Batch: BMB0482

Sample Size: 30 mL

Prepared: 02/19/2024

Final Volume: 31 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Phenolics		1	0.04	0.04	0.15	mg/L	



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36685
24A0530-03 (Water)

Wet Chemistry

Method: EPA 9014

Sampled: 01/23/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 02/06/2024 08:30

Sample Preparation:

Preparation Method: EPA 9010C m

Extract ID: 24A0530-03 E

Preparation Batch: BMB0068

Sample Size: 50 mL

Prepared: 02/05/2024

Final Volume: 50 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Cyanide, Total	57-12-5	1	0.0050	0.0050	ND	mg/L	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36691
24A0530-04 (Solid)

Wet Chemistry

Method: EPA 420.1

Sampled: 01/23/2024 15:30

Instrument: UV1800-1 Analyst: RMS

Analyzed: 01/26/2024 08:19

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24A0530-04 B

Preparation Batch: BMA0659

Sample Size: 5.3162 g (wet)

Dry Weight: 0.02 g

Prepared: 01/26/2024

Final Volume: 155 g

% Solids: 0.46

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Phenolics		1	252	252	ND	mg/kg	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36691
24A0530-04 (Solid)

Wet Chemistry

Method: EPA 9014

Sampled: 01/23/2024 15:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 02/06/2024 07:35

Sample Preparation:

Preparation Method: EPA 9010C m

Extract ID: 24A0530-04 A

Preparation Batch: BMB0116

Sample Size: 5.495 g (wet)

Dry Weight: 0.03 g

Prepared: 02/06/2024

Final Volume: 50 mL

% Solids: 0.46

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Cyanide, Total after Distillation	57-12-5	1	9.72	9.72	ND	mg/kg	U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

BQ36691
24A0530-04 (Solid)

Wet Chemistry

Method: SM 2540 G-97

Sampled: 01/23/2024 15:30

Instrument: BAL2 Analyst: EML2

Analyzed: 01/30/2024 15:04

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24A0530-04

Preparation Batch: BMA0765

Sample Size: 5 g (wet)

Dry Weight: 0.02 g

Prepared: 01/30/2024

Final Volume: 5 g

% Solids: 0.46

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Solids		1	0.04	0.04	0.46	%	



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMA0639 - EPA 1664B

Instrument: Bal2 Analyst: UW

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMA0639-BLK1)		Prepared: 25-Jan-2024 Analyzed: 25-Jan-2024 12:40								
HEM Oil & Grease	ND	5	mg/L							U
SGT-HEM NP Oil & Grease	ND	5	mg/L							U
HEM Polar Oil & Grease	ND	5	mg/L							U
LCS (BMA0639-BS1)		Prepared: 25-Jan-2024 Analyzed: 25-Jan-2024 12:40								
HEM Oil & Grease	36	5	mg/L	40.65		89.3	78-114			
SGT-HEM NP Oil & Grease	16	5	mg/L	20.33		80.2	64-132			
HEM Polar Oil & Grease	20	5	mg/L	20.32		98.4	0-200			



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMA0659 - EPA 420.1

Instrument: UV1800-1 Analyst: RMS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BMA0659-BLK1) Prepared: 26-Jan-2024 Analyzed: 26-Jan-2024 08:15										
Total Phenolics	ND	0.40	0.40	mg/kg						U
LCS (BMA0659-BS1) Prepared: 26-Jan-2024 Analyzed: 26-Jan-2024 08:16										
Total Phenolics	4.80	0.40	0.40	mg/kg	5.00		96.0 90-110			



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMA0765 - SM 2540 G-97

Instrument: BAL2 Analyst: EML2

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Blank (BMA0765-BLK1)					Prepared: 30-Jan-2024 Analyzed: 30-Jan-2024 15:04				
Total Solids	ND	0.04	0.04	%					U



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMB0068 - EPA 9014

Instrument: UV1800-2 Analyst: RMS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMB0068-BLK1)					Prepared: 05-Feb-2024 Analyzed: 06-Feb-2024 08:26						
Cyanide, Total	ND	0.0050	0.0050	mg/L							U
LCS (BMB0068-BS1)					Prepared: 05-Feb-2024 Analyzed: 06-Feb-2024 08:27						
Cyanide, Total	0.114	0.0050	0.0050	mg/L	0.150		76.0	75-125			
Duplicate (BMB0068-DUP1)					Source: 24A0530-01 Prepared: 05-Feb-2024 Analyzed: 06-Feb-2024 08:28						
Cyanide, Total	ND	0.0050	0.0050	mg/L		ND					U
Matrix Spike (BMB0068-MS1)					Source: 24A0530-01 Prepared: 05-Feb-2024 Analyzed: 06-Feb-2024 08:29						
Cyanide, Total	0.142	0.0050	0.0050	mg/L	0.149	ND	95.1	75-125			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMB0116 - EPA 9014

Instrument: UV1800-2 Analyst: RMS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMB0116-BLK1)						Prepared: 06-Feb-2024 Analyzed: 06-Feb-2024 07:34					
Cyanide, Total after Distillation	ND	0.050	0.050	mg/kg							U
LCS (BMB0116-BS1)						Prepared: 06-Feb-2024 Analyzed: 06-Feb-2024 07:35					
Cyanide, Total after Distillation	1.20	0.050	0.050	mg/kg	1.50		80.0	75-125			
Duplicate (BMB0116-DUP1)						Source: 24A0530-04 Prepared: 06-Feb-2024 Analyzed: 06-Feb-2024 07:36					
Cyanide, Total after Distillation	ND	9.66	9.66	mg/kg		ND					U
Matrix Spike (BMB0116-MS1)						Source: 24A0530-04 Prepared: 06-Feb-2024 Analyzed: 06-Feb-2024 07:36					
Cyanide, Total after Distillation	206	10.1	10.1	mg/kg	304	ND	67.7	75-125			*

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMB0153 - SM 5310 B-00

Instrument: TOC-LCSH Analyst: RMS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Blank (BMB0153-BLK1)										
Prepared: 07-Feb-2024 Analyzed: 07-Feb-2024 22:53										
Total Organic Carbon	ND	0.50	0.50	mg/L						U
LCS (BMB0153-BS1)										
Prepared: 07-Feb-2024 Analyzed: 07-Feb-2024 23:23										
Total Organic Carbon	20.54	0.50	0.50	mg/L	20.00		103 90-110			



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMB0482 - EPA 420.1

Instrument: UV1800-2 Analyst: RMS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMB0482-BLK1)					Prepared: 19-Feb-2024 Analyzed: 19-Feb-2024 04:28						
Total Phenolics	ND	0.04	0.04	mg/L							U
LCS (BMB0482-BS1)					Prepared: 19-Feb-2024 Analyzed: 19-Feb-2024 04:28						
Total Phenolics	0.53	0.04	0.04	mg/L	0.500		105	90-110			
Duplicate (BMB0482-DUP1)					Source: 24A0530-01 Prepared: 19-Feb-2024 Analyzed: 19-Feb-2024 04:29						
Total Phenolics	ND	0.04	0.04	mg/L		ND					U
Matrix Spike (BMB0482-MS1)					Source: 24A0530-01 Prepared: 19-Feb-2024 Analyzed: 19-Feb-2024 04:30						
Total Phenolics	0.78	0.04	0.04	mg/L	0.667	ND	117	75-125			

Recovery limits for target analytes in MS/MSD QC samples are advisory only.



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Certified Analyses included in this Report

Analyte	Certifications
EPA 1664B in Water	
HEM Oil & Grease	WADOE,NELAP
SGT-HEM NP Oil & Grease	WADOE,NELAP
HEM Polar Oil & Grease	WADOE,NELAP
EPA 420.1 in Water	
Total Phenolics	WADOE,NELAP,DoD-ELAP
Total Phenolics	DoD-ELAP,NELAP
Total Phenolics	DoD-ELAP,NELAP
Total Phenolics	WADOE,NELAP,DoD-ELAP
EPA 420.1 in Solid	
Total Phenolics	DoD-ELAP,NELAP
Total Phenolics	WADOE,NELAP,DoD-ELAP
Total Phenolics	DoD-ELAP,NELAP
Total Phenolics	WADOE,NELAP,DoD-ELAP
EPA 9014 in Solid	
Cyanide, Total after Distillation	DoD-ELAP,NELAP,WADOE
Cyanide, Total after Distillation	DoD-ELAP,NELAP,WADOE
EPA 9014 in Solid	
Cyanide, Total	DoD-ELAP,NELAP,WADOE
Cyanide, Total	DoD-ELAP,NELAP,WADOE
SM 5310 B-00 in Water	
Total Organic Carbon	WA-DW,WADOE,NELAP

Code	Description	Number	Expires
ADEC	Alaska Dept of Environmental Conservation	17-015	03/28/2025
DoD-ELAP	DoD-Environmental Laboratory Accreditation Program, PJLA Testing	66169	02/28/2025
NELAP	ORELAP - Oregon Laboratory Accreditation Program	WA100006-012	05/12/2024
WADOE	WA Dept of Ecology	C558	06/30/2024
WA-DW	Ecology - Drinking Water	C558	06/30/2024



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 65576
Project Manager: Chris Merwede

Reported:
20-Feb-2024 15:52

Notes and Definitions

- * Flagged value is not within established control limits.

- U This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).

- DET Analyte DETECTED

- ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported

- dry Sample results reported on a dry weight basis

- RPD Relative Percent Difference

- [2C] Indicates this result was quantified on the second column on a dual column analysis.

ANALYTICAL REPORT

PREPARED FOR

Attn: Shane Sinclair
City of Everett
Environmental Laboratory
3200 Cedar Street
Everett, Washington 98201

Generated 1/30/2024 6:38:09 AM

JOB DESCRIPTION

Mercury Analysis

JOB NUMBER

350-94-1

Eurofins Seattle

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
1/30/2024 6:38:09 AM

Authorized for release by
Lilly-Anna LaCount, Project Manager
Lilly-Anna.Lacount@et.eurofinsus.com
(206)622-6960

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Definitions/Glossary

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: City of Everett
Project: Mercury Analysis

Job ID: 350-94-1

Job ID: 350-94-1

Eurofins Seattle

Job Narrative 350-94-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/24/2024 1:06 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 7.1°C

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Seattle

Detection Summary

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Client Sample ID: FEN

Lab Sample ID: 350-94-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	11		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: FEN FB

Lab Sample ID: 350-94-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.80		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: SCE

Lab Sample ID: 350-94-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	3.9		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: SCE FB

Lab Sample ID: 350-94-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.85		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: PI

Lab Sample ID: 350-94-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	47		0.50	0.20	ng/L	1		1631E	Total/NA

Client Sample ID: PI FB

Lab Sample ID: 350-94-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.67		0.50	0.20	ng/L	1		1631E	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Seattle

Client Sample Results

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Client Sample ID: FEN

Lab Sample ID: 350-94-1

Date Collected: 01/23/24 07:30

Matrix: Water

Date Received: 01/24/24 13:06

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	11		0.50	0.20	ng/L			01/26/24 11:45	1

Client Sample ID: FEN FB

Lab Sample ID: 350-94-2

Date Collected: 01/22/24 07:30

Matrix: Water

Date Received: 01/24/24 13:06

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.80		0.50	0.20	ng/L			01/26/24 13:33	1

Client Sample ID: SCE

Lab Sample ID: 350-94-3

Date Collected: 01/23/24 07:30

Matrix: Water

Date Received: 01/24/24 13:06

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.9		0.50	0.20	ng/L			01/26/24 13:37	1

Client Sample ID: SCE FB

Lab Sample ID: 350-94-4

Date Collected: 01/22/24 07:30

Matrix: Water

Date Received: 01/24/24 13:06

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.85		0.50	0.20	ng/L			01/26/24 13:42	1

Client Sample ID: PI

Lab Sample ID: 350-94-5

Date Collected: 01/23/24 07:30

Matrix: Water

Date Received: 01/24/24 13:06

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	47		0.50	0.20	ng/L			01/26/24 13:46	1

Client Sample ID: PI FB

Lab Sample ID: 350-94-6

Date Collected: 01/22/24 07:30

Matrix: Water

Date Received: 01/24/24 13:06

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.67		0.50	0.20	ng/L			01/26/24 13:50	1

QC Sample Results

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 350-1141/23

Matrix: Water

Analysis Batch: 1141

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.20	ng/L			01/26/24 12:35	1

Lab Sample ID: MB 350-1141/24

Matrix: Water

Analysis Batch: 1141

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.20	ng/L			01/26/24 12:39	1

Lab Sample ID: MB 350-1141/25

Matrix: Water

Analysis Batch: 1141

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.50	0.20	ng/L			01/26/24 12:43	1

Lab Sample ID: LCS 350-1141/28

Matrix: Water

Analysis Batch: 1141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.00		ng/L		100	77 - 123

Lab Sample ID: LCSD 350-1141/29

Matrix: Water

Analysis Batch: 1141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.89		ng/L		98	77 - 123	2	24

Lab Sample ID: 350-94-1 MS

Matrix: Water

Analysis Batch: 1141

Client Sample ID: FEN

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	11		15.0	24.1		ng/L		91	71 - 125

Lab Sample ID: 350-94-1 MSD

Matrix: Water

Analysis Batch: 1141

Client Sample ID: FEN

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	11		15.0	23.9		ng/L		89	71 - 125	1	24

QC Association Summary

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Metals

Analysis Batch: 1141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
350-94-1	FEN	Total/NA	Water	1631E	
350-94-2	FEN FB	Total/NA	Water	1631E	
350-94-3	SCE	Total/NA	Water	1631E	
350-94-4	SCE FB	Total/NA	Water	1631E	
350-94-5	PI	Total/NA	Water	1631E	
350-94-6	PI FB	Total/NA	Water	1631E	
MB 350-1141/23	Method Blank	Total/NA	Water	1631E	
MB 350-1141/24	Method Blank	Total/NA	Water	1631E	
MB 350-1141/25	Method Blank	Total/NA	Water	1631E	
LCS 350-1141/28	Lab Control Sample	Total/NA	Water	1631E	
LCSD 350-1141/29	Lab Control Sample Dup	Total/NA	Water	1631E	
350-94-1 MS	FEN	Total/NA	Water	1631E	
350-94-1 MSD	FEN	Total/NA	Water	1631E	

Lab Chronicle

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Client Sample ID: FEN

Date Collected: 01/23/24 07:30

Date Received: 01/24/24 13:06

Lab Sample ID: 350-94-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	1141	AJD	EET SSM	01/26/24 11:45

Client Sample ID: FEN FB

Date Collected: 01/22/24 07:30

Date Received: 01/24/24 13:06

Lab Sample ID: 350-94-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	1141	AJD	EET SSM	01/26/24 13:33

Client Sample ID: SCE

Date Collected: 01/23/24 07:30

Date Received: 01/24/24 13:06

Lab Sample ID: 350-94-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	1141	AJD	EET SSM	01/26/24 13:37

Client Sample ID: SCE FB

Date Collected: 01/22/24 07:30

Date Received: 01/24/24 13:06

Lab Sample ID: 350-94-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	1141	AJD	EET SSM	01/26/24 13:42

Client Sample ID: PI

Date Collected: 01/23/24 07:30

Date Received: 01/24/24 13:06

Lab Sample ID: 350-94-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	1141	AJD	EET SSM	01/26/24 13:46

Client Sample ID: PI FB

Date Collected: 01/22/24 07:30

Date Received: 01/24/24 13:06

Lab Sample ID: 350-94-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	1631E		1	1141	AJD	EET SSM	01/26/24 13:50

Laboratory References:

EET SSM = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (206)622-6960

Accreditation/Certification Summary

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	12-18-24
ANAB	Dept. of Defense ELAP	L2236	12-18-24
ANAB	Dept. of Energy	L2236.01	12-18-24
ANAB	ISO/IEC 17025	L2236	12-18-24
California	State	2954	12-18-24
Florida	NELAP	E87575	12-18-24
Louisiana (All)	NELAP	03073	12-18-24
Maine	State	WA01273	12-18-24
New Jersey	NELAP	WA014	12-18-24
New York	NELAP	67778	12-18-24
Oregon	NELAP	4167-008	12-18-24
US Fish & Wildlife	US Federal Programs	A20571	12-18-24
USDA	US Federal Programs	525-23-4-22573	12-18-24
Washington	State	C788-23a	12-18-24
Wisconsin	State	399133460	12-18-24

Method Summary

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Method	Method Description	Protocol	Laboratory
1631E	Mercury, Low Level (CVAFS)	EPA	EET SSM

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET SSM = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (206)622-6960

1
2
3
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10
11
12
13
14
15

Sample Summary

Client: City of Everett
Project/Site: Mercury Analysis

Job ID: 350-94-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
350-94-1	FEN	Water	01/23/24 07:30	01/24/24 13:06
350-94-2	FEN FB	Water	01/22/24 07:30	01/24/24 13:06
350-94-3	SCE	Water	01/23/24 07:30	01/24/24 13:06
350-94-4	SCE FB	Water	01/22/24 07:30	01/24/24 13:06
350-94-5	PI	Water	01/23/24 07:30	01/24/24 13:06
350-94-6	PI FB	Water	01/22/24 07:30	01/24/24 13:06

ANALYSIS REQUEST
CHAIN OF CUSTODY

Date: 1/24/2024



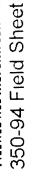
350-94 Chain of Custody

CHAIN OF CUSTODY

COMMENTS: Low Level Hg Samples not preserved, please return bottles

Therm. ID: Dig. 1 Cust. Seal: Y / N
Uncorr./Corr. Temp: 73 / 11 °C
Delivery: UPS / FedEx / Other: Drop
Ice Type: Blue / Dry / Wet / None
Label Ver.: _____ Packing: NO

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

[illegible]

Sample ID	Pres. Used (ID)	Oxidized (Y/N)?	Pres. Vol. (mL)/Percent (%)	Comments
350-94-A-1	A	Y	10	2
350-94-A-2	A	Y	10	2
350-94-A-3	A	Y	10	2
350-94-A-4	A	Y	10	2
350-94-A-5	A	Y	10	2
350-94-A-6	A	Y	10	2

Login Sample Receipt Checklist

Client: City of Everett

Job Number: 350-94-1

Login Number: 94

List Source: Eurofins Seattle

List Number: 1

Creator: Miller, Darren R

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	