CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066971

Client:	CITY OF EVERETT - IPT	Date Received:	07/31/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	ANNA PENNINGTON	Date Reported:	05/30/25

BQ60999 - SCE Sample Date/Time: **07/30/24 09:00** Sampler: AP / CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Cyanide		**<0.005**				mg/L	08/22/24 13:24	CM
Dis. Hexavalent Chromium		**0.055**				µg/L	09/03/24 09:05	CM
HEM		**16**				mg/L	08/22/24 13:24	CM
HEM - Non-Polar		**<7**				mg/L	08/22/24 13:24	CM
HEM - Polar		**16**				mg/L	08/22/24 13:24	CM
Mercury Low	EPA 1631E	**2.9**				ng/L	09/16/24 15:22	CM
TOC		**16.49**				mg/L	08/22/24 13:24	CM

METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	**0.9 J**		0.3	1.2	µg/L	09/04/24 09:02	DV
Arsenic Low Level	200.8	**0.8**		0.1	0.4	µg/L	09/04/24 09:02	DV
Beryllium Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Cadmium Low Level	200.8	**<0.06**		0.06	0.24	µg/L	09/04/24 09:02	DV
Chromium Low Level	200.8	**0.5 J**		0.3	1.2	µg/L	09/04/24 09:02	DV
Cobalt	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Copper Low Level	200.8	**5.4**		0.8	3.2	µg/L	09/04/24 09:02	DV
Lead Low Level	200.8	**0.2 J**		0.1	0.4	µg/L	09/04/24 09:02	DV
Manganese Low Level	200.8	**49.6**		0.4	1.6	µg/L	09/04/24 09:02	DV
Mercury	245.1	**<0.010**		0.010	0.040	µg/L	08/09/24 12:07	DV
Molybdenum	200.8	**2.6**		0.4	1.6	µg/L	09/04/24 09:02	DV
Nickel Low Level	200.8	**2.3 J**		1.3	5.2	µg/L	09/04/24 09:02	DV
Selenium	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Silver Low Level	200.8	**<0.09**		0.09	0.36	µg/L	09/04/24 09:02	DV
Thallium Low Level	200.8	**<0.09**		0.09	0.36	µg/L	09/04/24 09:02	DV
Tin	200.8	**<2.5**		2.5	10.0	µg/L	09/04/24 09:02	DV
Titanium	NOT ACCRED	**<6.3**		6.3	25.2	µg/L	09/04/24 09:02	DV
Vanadium	200.8	**<0.6**		0.6	2.4	µg/L	09/04/24 09:02	DV
Zinc Low Level	200.8	**22**		3.8	15.2	µg/L	09/04/24 09:02	DV

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066971

Client:	CITY OF EVERETT - IPT	Date Received:	07/31/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	ANNA PENNINGTON	Date Reported:	05/30/25

BQ61000 - PI Sample Date/Time: **07/30/24 09:00** Sampler: AP / CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Cyanide		**<0.005**				mg/L	08/22/24 13:24	CM
Dis. Hexavalent Chromium		**0.051**				µg/L	09/03/24 09:05	CM
HEM		**13**				mg/L	08/22/24 13:24	CM
HEM - Non-Polar		**<6**				mg/L	08/22/24 13:24	CM
HEM - Polar		**12**				mg/L	08/22/24 13:24	CM
Mercury Low	EPA 1631E	**<0.2**				ng/L	09/16/24 15:22	CM

METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	**1.4**		0.3	1.2	µg/L	09/04/24 09:02	DV
Arsenic Low Level	200.8	**1.0**		0.1	0.4	µg/L	09/04/24 09:02	DV
Beryllium Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Cadmium Low Level	200.8	**0.22 J**		0.06	0.24	µg/L	09/04/24 09:02	DV
Chromium Low Level	200.8	**3.0**		0.3	1.2	µg/L	09/04/24 09:02	DV
Cobalt	200.8	**0.5 J**		0.4	1.6	µg/L	09/04/24 09:02	DV
Copper Low Level	200.8	**39.3**		0.8	3.2	µg/L	09/04/24 09:02	DV
Lead Low Level	200.8	**2.3**		0.1	0.4	µg/L	09/04/24 09:02	DV
Manganese Low Level	200.8	**108**		0.4	1.6	µg/L	09/04/24 09:02	DV
Mercury	245.1	**0.047**		0.010	0.040	µg/L	08/09/24 12:07	DV
Molybdenum	200.8	**5.1**		0.4	1.6	µg/L	09/04/24 09:02	DV
Nickel Low Level	200.8	**3.9 J**		1.3	5.2	µg/L	09/04/24 09:02	DV
Selenium	200.8	**0.7 J**		0.4	1.6	µg/L	09/04/24 09:02	DV
Silver Low Level	200.8	**0.77**		0.09	0.36	µg/L	09/04/24 09:02	DV
Thallium Low Level	200.8	**<0.09**		0.09	0.36	µg/L	09/04/24 09:02	DV
Tin	200.8	**<2.5**		2.5	10.0	µg/L	09/04/24 09:02	DV
Titanium	NOT ACCRED	**8 J**		6.3	25.2	µg/L	09/04/24 09:02	DV
Vanadium	200.8	**1.2 J**		0.6	2.4	µg/L	09/04/24 09:02	DV
Zinc Low Level	200.8	**166**		3.8	15.2	µg/L	09/04/24 09:02	DV

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066971

Client:	CITY OF EVERETT - IPT	Date Received:	07/31/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	ANNA PENNINGTON	Date Reported:	05/30/25

BQ61001 - WSS Sample Date/Time: **07/30/24 09:00** Sampler: AP / CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Cyanide		**<7.46**				mg/kg	08/22/24 13:24	CM
Phenolics mg/kg		**<135**				mg/kg	08/22/24 13:24	CM
Total Solids %		**0.66**					08/22/24 13:24	CM

CONVENTIONALS	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
% TS	SM2540-G	**0.68**				%	08/09/24 11:40	DV

FIELD	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
pH Field		**6.90**				SU	07/30/24 09:00	AP / CJ

METALS(S)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony mg/kg	6020B	**2.27**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Arsenic mg/kg	6020B	**2.96**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Beryllium mg/kg	6020B	**<0.543**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Cadmium mg/kg	6020B	**1.37 J**		0.362	1.450	mg/kg	09/04/24 10:58	DV
Chromium mg/kg	6020B	**21.8**		0.905	3.620	mg/kg	09/04/24 10:58	DV
Cobalt mg/kg	6020B	**2.24**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Copper mg/kg	6020B	**269**		1.09	4.3	mg/kg	09/04/24 10:58	DV
Lead mg/kg	6020B	**19.3**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Manganese mg/kg	6020B	**493**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Mercury mg/kg	7471	**0.281**		0.001	0.004	mg/kg	09/04/24 11:47	DV
Molybdenum mg/kg	6020B	**5.16**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Nickel mg/kg	6020B	**13.9**		1.81	7.2	mg/kg	09/04/24 10:58	DV
Selenium mg/kg	6020B	**3.81**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Silver mg/kg	6020B	**1.58 J**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Thallium mg/kg	6020B	**<0.543**		0.543	2.170	mg/kg	09/04/24 10:58	DV
Tin mg/kg	6020B	**<3.62**		3.62	14.4	mg/kg	09/04/24 10:58	DV
Vanadium mg/kg	6020B	**9.00**		0.905	3.620	mg/kg	09/04/24 10:58	DV
Zinc mg/kg	6020B	**860**		5.43	21.7	mg/kg	09/04/24 10:58	DV

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066971

Client:	CITY OF EVERETT - IPT	Date Received:	07/31/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	ANNA PENNINGTON	Date Reported:	05/30/25

BQ61002 - SCE FB Sample Date/Time: **07/30/24 09:00** Sampler: AP / CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Mercury Low	EPA 1631E	**0.2**				ng/L	09/16/24 15:22	CM

METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	**<0.3**		0.3	1.2	µg/L	09/04/24 09:02	DV
Arsenic Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Beryllium Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Cadmium Low Level	200.8	**<0.06**		0.06	0.24	µg/L	09/04/24 09:02	DV
Chromium Low Level	200.8	**<0.3**		0.3	1.2	µg/L	09/04/24 09:02	DV
Cobalt	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Copper Low Level	200.8	**<0.8**		0.8	3.2	µg/L	09/04/24 09:02	DV
Lead Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Manganese Low Level	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Mercury	245.1	**<0.010**		0.010	0.040	µg/L	08/09/24 10:45	DV
Molybdenum	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Nickel Low Level	200.8	**<1.3**		1.3	5.2	µg/L	09/04/24 09:02	DV
Selenium	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Silver Low Level	200.8	**<0.09**		0.09	0.36	µg/L	09/04/24 09:02	DV
Thallium Low Level	200.8	**<0.09**		0.09	0.36	µg/L	09/04/24 09:02	DV
Tin	200.8	**<2.5**		2.5	10.0	µg/L	09/04/24 09:02	DV
Titanium	NOT ACCRED	**<6.3**		6.3	25.2	µg/L	09/04/24 09:02	DV
Vanadium	200.8	**<0.6**		0.6	2.4	µg/L	09/04/24 09:02	DV
Zinc Low Level	200.8	**<3.8**		3.8	15.2	µg/L	09/04/24 09:02	DV

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066971

Client:	CITY OF EVERETT - IPT	Date Received:	07/31/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	ANNA PENNINGTON	Date Reported:	05/30/25

BQ61003 - PI FB Sample Date/Time: **07/30/24 09:00** Sampler: AP / CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Mercury Low	EPA 1631E	**<0.2**				ng/L	09/16/24 15:22	CM

METALS(T)	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Antimony Low Level	200.8	**<0.3**		0.3	1.2	µg/L	09/04/24 09:02	DV
Arsenic Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Beryllium Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Cadmium Low Level	200.8	**<0.06**		0.06	0.24	µg/L	09/04/24 09:02	DV
Chromium Low Level	200.8	**<0.3**		0.3	1.2	µg/L	09/04/24 09:02	DV
Cobalt	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Copper Low Level	200.8	**<0.8**		0.8	3.2	µg/L	09/04/24 09:02	DV
Lead Low Level	200.8	**<0.1**		0.1	0.4	µg/L	09/04/24 09:02	DV
Manganese Low Level	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Mercury	245.1	**<0.010**		0.010	0.040	µg/L	08/09/24 10:45	DV
Molybdenum	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Nickel Low Level	200.8	**<1.3**		1.3	5.2	µg/L	09/04/24 09:02	DV
Selenium	200.8	**<0.4**		0.4	1.6	µg/L	09/04/24 09:02	DV
Silver Low Level	200.8	**<0.09**		0.09	0.36	µg/L	09/04/24 09:02	DV
Thallium Low Level	200.8	**<0.09**		0.09	0.36	µg/L	09/04/24 09:02	DV
Tin	200.8	**<2.5**		2.5	10.0	µg/L	09/04/24 09:02	DV
Titanium	NOT ACCRED	**<6.3**		6.3	25.2	µg/L	09/04/24 09:02	DV
Vanadium	200.8	**<0.6**		0.6	2.4	µg/L	09/04/24 09:02	DV
Zinc Low Level	200.8	**<3.8**		3.8	15.2	µg/L	09/04/24 09:02	DV

Report Prepared For:

Everett Environmental Lab

Client Project Description:

66971

Work Order: AEH0004

Date of Preparation: 08-30-2024

Edge Analytical - Burlington
1620 S Walnut St
Burlington, WA 98233

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 Cir, Ste A-2 - Wilsonville, OR 97070 - 503.682.7802
Corvallis, OR *Microbiology/Chemistry (d)* 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946
Bend, OR *Microbiology (e)* 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

August 30, 2024

Shane Sinclair
Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

RE: NPDES

Enclosed are the analytical results for Work Order AEH0004 received by our laboratory on 8/1/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Crystal D Deighton
Office

Table of Contents

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
AEH0004-01	SCE BQ60999	Water	07/30/2024	08/01/2024
AEH0004-02	PI BQ61000	Water	07/30/2024	08/01/2024

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Sample Results

Sample Description: SCE BQ60999 — Sampled: 7/30/2024 7:30:00AM
Lab Number: AEH0004-01 (Water) — Comments: — Collected By: Anna Pennington

CAS	Analyte	Result	Qual	Quantitation Limit	Detection Limit	Units	Date Analyzed	Analyst Initials	Method
Analyzed By Burlington									
Hexavalent Chromium									
18540-29-9	**Hexavalent Chromium**	**0.0550**		0.0300	0.00975	ug/L	08/14/2024	LJH	EPA 218.6

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Sample Results

(Continued)

Sample Description: PI BQ61000 — Sampled: 7/30/2024 7:30:00AM
Lab Number: AEH0004-02 (Water) — Comments: — Collected By: Anna Pennington

CAS	Analyte	Result	Qual	Quantitation Limit	Detection Limit	Units	Date Analyzed	Analyst Initials	Method
Analyzed By Burlington									
Hexavalent Chromium									
18540-29-9	**Hexavalent Chromium**	**0.0510**		0.0300	0.00975	ug/L	08/14/2024	LJH	EPA 218.6

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Quality Control

Hexavalent Chromium

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEH0144 - Metals Filtration										
Duplicate (BEH0144-DUP1)		**Source: AEH0004-01**			Prepared & Analyzed: 08/14/24					
Hexavalent Chromium	0.0550		0.0300	ug/L		0.0550			0.00	200
Matrix Spike (BEH0144-MS1)		**Source: AEG0032-01**			Prepared & Analyzed: 08/14/24					
Hexavalent Chromium	0.347		0.0300	ug/L	0.300	0.0480	**99.7**	70-130		
Matrix Spike Dup (BEH0144-MSD1)		**Source: AEG0032-01**			Prepared & Analyzed: 08/14/24					
Hexavalent Chromium	0.354		0.0300	ug/L	0.300	0.0480	**102**	70-130	2.00	20

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Edge Analytical - Burlington - Data Review Checklist

Analytical Method:	**EPA 218.6**	Batch/Sequence Number:	**SEH0008**
Instrument:	IC03	Analyst:	LJH
Reviewer:	**LJH**	Review Date:	**8/29/24**

Edge Analytical - Burlington

Passes	Criteria
YES	Did all samples meet the lab's standard conditions for sample acceptablility upon receipt?
YES	Correlation coefficient (r) value at least 0.999
YES	QCS ± 10% (Required Quarterly)
YES	LFB ±10% after every 10 samples and at the end of the analytical batch.
YES	MB/LRB at the beginning, every 10 samples and at the end of the analytical batch. The concentration must be below 1/2 the MRL.
YES	Duplicates every 10 samples, RPD ±20%
YES	LFM every 10 samples, recoveries ±30%
YES	Units in PPB or PPM
YES	Dilution factors (DF) entered if necessary
YES	PQL and MDL Correct
YES	Qualifiers used where appropriate
YES	Standards, calibration and reagents recorded on instrument printout.
YES	Where Samples Analyzed Within Holding Time?
YES	Pipettors Used and Checked
YES	Comments

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Certified Analyses included in this Report

Analyte	CAS #	Certifications
EPA 218.6 in Water		
Hexavalent Chromium	18540-29-9	Burlington - C567

* - Not accredited, all method quality control performed.

List of Certifications
{@Cont'd}

Edge Analytical - Burlington

Code	Description	Number	Expires
MTPHHS	Montana Department of Public Health and Human Services	CERT0104	01/01/2025
WADOE_A	Washington State Department of Ecology	C567	01/18/2025
AZDHS	Arizona Department of Health Services	AZ0772	12/15/2024
PADEP	Pennsylvania Department of Environmental Protection	68-04603	04/30/2025
NYDOH	New York Department of Health	11965	04/01/2025
EPA_A	EPA	WA00097	02/01/2050
NJDEP	New Jersey Department of Environmental Protection	WA013	06/30/2025
CTDPH	Connecticut Department of Public Health	PH-0150	09/30/2024
MADEP	Commonwealth of Massachusetts DEP	M-WA097	02/19/2024
ID_DHW	Idaho Department of Health and Welfare	WA00097	01/31/2025
HIDOH	State of Hawaii Department of Health	-	04/02/2025
WADOH_A	Washington State Department of Health - Drinking Water	046	01/18/2025
ORELAP_A	Oregon Environmenatal Lab Accreditation Program	4072	04/02/2025
NH_DES	New Hampshire Department of Environmental Services	2246	04/11/2025
ORELAP_V	Oregon Environmenatal Lab Accreditation Program	OR100009	04/04/2025
ORELAP_P	Oregon Environmenatal Lab Accreditation Program	OR100063	05/28/2025
EPA_P	EPA	OR01042	02/01/2050
WADOH_M	Washington State Department of Health - Drinking Water	164	12/05/2024
ISO_PJLA_M	Perry Johnson Laboratory Accreditation, Inc.	77932	05/31/2026
WADOE_M	Washington State Department of Ecology	C874	12/05/2024
ORELAP_D	Oregon Environmenatal Lab Accreditation Program	4075	11/01/2024
EPA_D	EPA	OR01046	02/01/2050
EPA_V	EPA	OR01004	02/01/2050
NYDOH_P	New York Department of Health	11991	04/01/2025
EPA_M	EPA	WA01214	02/01/2050
GADNR	Georgia Deptartment of Natural Resources	C-037	04/02/2025

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Notes and Definitions

Item	Definition
Dry	Sample results reported on a dry weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.

ANALYTICAL

Everett Environmental Lab	Project: NPDES	
3200 Cedar Street	Project Number: 66971	**Reported:**
Everett, WA 98201	Project Manager: Shane Sinclair	08/30/2024 15:00

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Default Report (not modified)
			VERSION 6.22:1013
	Cr+6 (218.6) FILTERED	(Water)	J-Flags used
	Cr+6 (218.6) FILTERED	(Water)	Result calculations based on MDL
	Cr+6 (218.6) FILTERED	(Water)	TMin = 1.0C°; TMax = 6.0C°
	Cr+6 (218.6) FILTERED	(Water)	U-Flags used
AEH0004-01	Cr+6 (218.6) FILTERED	(Water)	'Default Cooler' out of range for this analysis: 8.3C°
AEH0004-02	Cr+6 (218.6) FILTERED	(Water)	'Default Cooler' out of range for this analysis: 8.3C°

EVERETT WASHINGTON

CITY OF EVERETT
ENVIRONMENTAL LABORATORY
Ph: 425.257.8230 Fax 425.257.8228
Sample Dropoff: 4027 4th St SE, Everett WA 98201
Mailing Address: 3200 Cedar ST, Everett WA 98201

AEH0004

ECT # **66971** (Lab Use Only)

ENVIRONMENTAL ANALYSIS REQUEST CHAIN OF CUSTODY

Date: **7/31/2024**

Client: **City of Everett**			Address: **3200 Cedar St, Everett, WA 98201**
Program/ Project: **IPT - Quarterly**	Site/ Address: **EWPCF**		
Phone: **425.257.8240**	Sampler: **Anna Pennington**		Requested By: **Shane Sinclair**
E-Mail: **ssinclair@everettwa.gov / apennington@everettwa.gov**			

Sample Matrix: SW - Surface Water WW - Wastewater W - Water GW - Ground Water S - Solid FB - Field Blank Other

Sample Description:	LIMS ID # (Lab Use Only)	Sample Date	Sample Time	Comp Grab		Analyses Requested: Dissolved Hex Chromium	# of Containers
SCE	BQ60999	7/30	0730	Comp	WW	1/EDGE	1
PI	BQ61000	7/30	0730	Comp	WW	1/EDGE	1

Cooler? Y / N | Ice? Y / N | Sample Temp: °C | Total # of Containers: **2**

Relinquished*:	Received:	Date:	Time:
1) Shane Pennington	1)	7-31-24	1025
2)	2)	Date:	Time:
3)	3) TIM REC8 8/1/24 1049 MC 8.3	Date:	Time:

COMMENTS:

	FEN	SCE	PI	WSS
1	730	740	750	X
2	1030	1040	1045	X
3	1400	1410	1415	1420
4	730	755	740	X

**Because the City of Everett Environmental Laboratory is a public agency, data, test results, reports and other documents are public records and therefore subject to disclosure to third parties upon their request pursuant to RCW Chap. 42.17.*

King County
Department of Natural Resources and Parks
Water and Land Resources Division
Environmental Laboratory
LAB-NR0100
322 West Ewing Street
Seattle, WA 98119-1507
206-477-7200 Fax 206-684-2395

September 11, 2024

Chris Merwede
EWPCF-EEL
3200 Cedar St
Everett, WA 98201

Dear Chris Merwede:

Enclosed are the results for the third quarter CVAF samples collected July 30, 2024. The samples were assigned the following lab ID numbers:

Sample ID	Locator	Collect Date
L84393-1	SCE	7/30/2024
L84393-2	PI	7/30/2024
L84393-3	EQUIPBLANK	7/30/2024
L84393-4	EQUIPBLANK	7/30/2024
L84393-5	ATMOSBLANK	7/30/2024
L84393-6	SCE	7/30/2024
L84393-7	PI	7/30/2024

There were no issues encountered during the analysis of these samples. All QC results were within laboratory control limits.

Please feel free to call me at 206-477-7158 should you have questions regarding the results.

Sincerely,

Susannah Rowles
Laboratory Project Manager

King County Environmental Lab Analytical Report

Project:	421184EV	421184EV	421184EV
Locator:	SCE	PI	EQUIPBLANK
Descrip:	CITY OF EVERETT EF	CITY OF EVERETT IN	EQUIPMENT BLANK
Sample:	L84393-1	L84393-2	L84393-3
Matrix:	LC EFFLUENT	LB INFLUENT	LN BLANK WATER
ColDate:	7/30/24 7:30	7/30/24 7:30	7/30/24 7:30
ClientLoc:	KCEL sample bottle	KCEL sample bottle	Everett sample bottle
WET Weight Basis			

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
MT EPA 1631E															
Mercury, Total, CVAF	0.0029		0.0002	0.0005	ug/L		<MDL	0.0002	0.0005	ug/L	0.00022	<RDL	0.0002	0.0005	ug/L

< MDL = less than the method detection limit
< RDL = less than the reporting detection limit

King County Environmental Lab Analytical Report

Project:	421184EV	421184EV	421184EV
Locator:	EQUIPBLANK	ATMOSBLANK	SCE
Descrip:	EQUIPMENT BLANK	ATMOSPHERE BLANK	CITY OF EVERETT EF
Sample:	L84393-4	L84393-5	L84393-6
Matrix:	LN BLANK WATER	LN BLANK WATER	LC EFFLUENT
ColDate:	7/30/24 7:30	7/30/24 7:30	7/30/24 7:30
ClientLoc:	Everett sample bottle	KCEL sample bottle	Everett sample bottle
	WET Weight Basis	**WET Weight Basis**	**WET Weight Basis**

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
MT EPA 1631E															
Mercury, Total, CVAF		<MDL	0.0002	0.0005	ug/L		<MDL	0.0002	0.0005	ug/L	0.00308		0.0002	0.0005	ug/L

< MDL = less than the me
< RDL = less than the rep

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: PI
Descrip: CITY OF EVERETT IN
Sample: L84393-7
Matrix: LB INFLUENT
ColDate: 7/30/24 7:30
ClientLoc: Everett sample bottle
WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
MT EPA 1631E					
Mercury, Total, CVAF		<MDL	0.0002	0.0005	ug/L

< MDL = less than the me
< RDL = less than the rep

King County Environmental Laboratory QC Report

City of Everett Q3 CVAF
July 30, 2024

Workgroup: WG195601 Total Mercury by CVAF, Ultra-Low Level

MB:WG195601-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	0.0002	0.0005	ug/L		<MDL

MB:WG195601-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	0.0002	0.0005	ug/L		<MDL

MB:WG195601-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Mercury, Total, CVAF	0.0002	0.0005	ug/L		<MDL

SB:WG195601-4 MB:WG195601-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec.	Qual	Lab Limit
Mercury, Total, CVAF	0.0002	0.0005	ug/L	<MDL	0.01	0.00991	99		77--123

MSD:WG195601-6 MS:WG195601-5 L84218-6 Matrix: EFFLUENT Listtype:MTHG-CVAF Method:EPA 1631E Project:421937 Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	True Value	MS Value	% Rec.	Qual	Lab Limit	True Value	MSD Value	% Rec.	Qual	RPD	Qual	Lab Limit
Mercury, Total, CVAF	0.0002	0.0005	ug/L	0.0003	0.01	0.01	97		71--125	0.01	0.0102	99		2		0--24

MSD:WG195601-8 MS:WG195601-7 L84393-1 Matrix: INFLUENT Listtype:MTHG-CVAF Method:EPA 1631E Project:421184EV Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	True Value	MS Value	% Rec.	Qual	Lab Limit	True Value	MSD Value	% Rec.	Qual	RPD	Qual	Lab Limit
Mercury, Total, CVAF	0.0002	0.0005	ug/L	0.0029	0.01	0.0127	98		71--125	0.01	0.0125	96		1		0--24

Login: P84393
Project: 421184EV

Everett WWTP PP Quarterly CVAF

FSU TC: _____
LPM: Susannah Rowles

CHAIN OF CUSTODY

Relinquished by	*Date*	*Time*
Received by	*Date* 7-31-24	*Time* 1200
Sample Numbers		*[All]*

Sample Number	**P84393-1**	**P84393-2**	**P84393-3**
QC Link			
Locator	**FEN**	**PI**	**EQUIPBLANK**
Short Loc Desc	FEN	PI	EQUIPBLANK
Locator Desc	CITY OF EVERETT EFFLUENT	CITY OF EVERETT INFLUENT	EQUIPMENT BLANK
Site	OTHER CITIES	OTHER CITIES	METRO
Comments	Grab SCE	Grab PI	Equipment Blank1 SCE
Start Date/Time	7-30-24 →	→	→
End Date/Time			
Time Span			
Sample Depth			
Dept, Matrix, Prod (Cont ID)	6 LB CVAF-UL (55)	6 LB CVAF-UL (55)	6 LB CVAF-UL (55)

Login: P84393 | Everett WWTP PP Quarterly CVAF | FSU TC: _____

Project: 421184EV | LPM: Susannah Rowles

Sample Number	P84393-4	P84393-5	
QC Link			
Locator	EQUIPBLANK	ATMOSBLANK	
Short Loc Desc	EQUIPBLANK	ATMOSBLANK	
Locator Desc	EQUIPMENT BLANK	ATMOSPHERE BLANK	
Site	METRO	METRO	
Comments	Equipment Blank 2	Atmospheric blank	
Start Date/Time	PI 7-30-24 →	→	
End Date/Time			
Time Span			
Sample Depth			
Dept, Matrix, Prod (Cont ID)	6 LB CVAF-UL (55)	6 LB CVAF-UL (55)	

Login: P84393
Project: 421184EV

Everett WWTP PP Quarterly CVAF

FSU TC: _____
LPM: Susannah Rowles

CHAIN OF CUSTODY

Relinquished by	*Date*	*Time*
Received by	*Date*	*Time*
Sample Numbers		*[All]*

Sample Number	**P84393-6**	**P84393-7**	
QC Link			
Locator	**SCE**	**PI**	
Short Loc Desc	SCE	PI	
Locator Desc	CITY OF EVERETT EFFLUENT	CITY OF EVERETT INFLUENT	
Site	OTHER CITIES	OTHER CITIES	
Comments	Grab - glass bottle	Grab - glass bottle	
Start Date/Time			
End Date/Time			
Time Span			
Sample Depth			
Dept, Matrix, Prod (Cont ID)	6 LB CVAF-UL (2)	6 LB CVAF-UL (2)	

EVERETT WASHINGTON

CITY OF EVERETT
ENVIRONMENTAL LABORATORY
Ph: 425.257.8230 Fax 425.257.8228
Sample Dropoff: 4027 4th St SE, Everett WA 98201
Mailing Address: 3200 Cedar ST, Everett WA 98201

ENVIRONMENTAL ANALYSIS REQUEST CHAIN OF CUSTODY

Date: 7/31/2024

PROJECT #: 66971 (Lab Use Only)

Client: City of Everett			Address: 3200 Cedar St, Everett, WA 98201
Program/ Project: IPT - Quarterly	Site/ Address: EWPCF		
Phone: 425.257.8240	Sampler: Anna Pennington		Requested By: Shane Sinclair
E-Mail: ssinclair@everettwa.gov / apennington@everettwa.gov			

Sample Matrix: SW - Surface Water WW - Wastewater W - Water GW - Ground Water S - Solid FB - Field Blank Other

Sample Description:	LIMS ID # (Lab Use Only)	Sample Date	Sample Time	Comp Grab		Low Level Mercury 1631							# of Containers
SCE 84393-1	BQ60999	7/30	0730	Comp	WW	1/KC							2
PI -2	BQ61000	7/30	0730	Comp	WW	1/KC							2
SCE Blank -3	BQ61002	7/30	0730	Grab	FB	1/KC							1
PI Blank -4	BQ61003	7/30	0730	Grab	FB	1/KC							1
SCE 84393-6	BQ60999G	7/30	0730	Comp	WW			SR 7/31/2024					
PI -7	BQ61000G	"	"	"	"								

Cooler? Y / N | Ice? Y / N | Sample Temp: °C | Total # of Containers: 6

Relinquished*:		Received:		
1) Anna Pennington		1)	Date: 7.31.24	Time: 1025
2)		2)	Date: 7/31/24	Time: 1155
3)		3)	Date:	Time:

COMMENTS:

	FEN	SCE	PI	WSS
1	730	740	750	X
2	1030	1040	1045	X
3	1400	1410	1415	1420
4	730	755	740	X

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LIQUID SAMPLE RECEIPT RECORD

Login Number(s): 24393-(1-7) JK	Project No.: 421184	Sub-Contracting: Y / (N)	List Product(s):
Collect Date(s): 7-30-24	Receive Date: 7-31-24	Changes: Y (N)	List Parameter(s):

SAMPLE RECEIPT CONDITIONS

CONDITION	Acceptable?	Comment ID	CONDITION	Acceptable?	Comment ID
Labels / Fieldsheets	Y / N		Volumes	Y / N	
Container	Y / N	(1)	Holding Times	Y / N	
Temperature (w/ ice)	Y / N / NA		Delivery Location	Y / N	

BOTTLE COUNT (#) AND DESCRIPTION and SAMPLE NUMBERS

#	Bottle Description: Sample Numbers
	40 mL clear vial (VOA):
	60 mL clear glass (PHYTO):
	60 mL CWM HDPE:
	125 mL AWM HDPE:
	125 mL CNM HDPE:
	125 mL CWM HDPE:
	125 mL GANM:
	125 mL GANM w/HCl
	250 mL AWM HDPE:
	250 mL CWM HDPE:
	250 mL CWM HDPE (MICRO):
	250 mL GAWM:
	250 mL GAWM w/ H2SO4:
	300 mL WDO (8 hour HT):
	500 mL AWM HDPE:
	500 mL CWM HDPE:
	500 mL CWM PP (MICRO):
	500 mL HDPE (METALS):
5	500 mL HDPE, double-bagged (METALS): 1-5
	500 mL Teflon (Hg):
	500 mL Teflon, double-bagged (METALS):
	500 mL GANM / GAWM:
	500 mL Polystyrene Filtration Units (METALS):
	1L AWM HDPE:
	1L CWM HDPE:
	1L CWM PP (MICRO):
	1L GANM:
	1L GCWM:
	1L GAWM w/ H_2SO_4:
	2L CWM HDPE:
2	Other: 500mL Clear Glass: 6, 7

COMMENTS / NOTIFICATIONS

(1) Two additional containers filled w/ SCE and Influent

FIELD PRESERVATION CHECKLIST (Circle and/or check applicable selections)

PRODUCT / Preservation	SM Action	Acceptable?	Corrective Action
BNA / pH 6 - 9 w/ H_2SO_4 or NaOH	√ field sheet for F. pH	Y / N	☐ Notify ORG
CN / pH > 12 w/ NaOH within 15 min	☐ Check pH	Y / N	☐ Deliver to CONV
NO23 pH < 2 w/ H_2SO_4	☐ Check pH	Y / N / NA	☐ Preserve by SM
CR(VI) / TOTCR(VI) / pH 9.3 - 9.7 w/ NaOH w/in 15 min	√ field sheet for pH	Y / N	☐ Deliver to CONV
ICP / HG-CVAA-M / pH < 2 w/ HNO_3	☐ Check pH	Y / N	☐ Preserve By SM
O&G / HEM / PHENOL / pH < 2 w/ H_2SO_4	Check documentation	Y / N	☐ Preserve by SM
PHYTOPLANKTON / Lugols	Visually inspect	Y / N	☐ Deliver to MICRO
TKN / COD pH < 2 w/ H_2SO_4 within 15 min	☐ Check pH	Y / N	☐ Preserve By SM
TOC / pH < 2 w/ HCl (NPDES only)	☐ Check pH	Y / N	☐ Preserve By SM
TOTSULFIDE / pH > 9 w/ NaOH, ZnAc	Check documentation	Y / N	☐ Deliver to CONV
WDO / FIXED	Visually inspect	Y / N	☐ Deliver to CONV
Other:			

ROUTINE SM PRESERVATION CHECKLIST (Circle and/or check applicable selections)

PRODUCT / Preservation	SM Action	Acceptable?	Corrective Action
Chlorinated Pesticides / pH 5 - 9 w/ H_2SO_4 or NaOH	√ field sheet for F. pH	Y / N	☐ Adjust pH
HG-CVAA-L-Teflon (T / D) / pH < 2 w/ ULTRA HCl	☐ Preserve & deliver	NA	NA
ICPMS / HG-CVAA-M (T / D) / pH < 2 w/ ULTRA HNO_3	☐ Preserve & deliver	NA	NA
TOC / pH < 2 w/ HCl	☐ Preserve & deliver	NA	NA
Other:			
Other:			

INTERFERENCE TEST (Circle and/or check applicable selections)

Product / Interference (SM Action)	Positive Test?	Treated	Corrective Action
BNA / Chlorine (Check documentation)	Y / N / not tested	Y / N	☐ Deliver to ORG
CN / Chlorine (Check documentation)	Y / N / not tested	Y / N	☐ Deliver to CONV
CN / Sulfide (Check field sheet for DF)	Y / N / not tested	Y / N	☐ Deliver to CONV
VOA / Chlorine (Check documentaion)	Y / N / not tested	Y / N	☐ Deliver to ORG
Other:			

HEADSPACE CHECK

PRODUCT (SM Action)	Check For	Acceptable?	Corrective Action
MICRO (Visually inspect)	Headspace (@ 1")	Y / N	☐ Notify MICRO
TOTSULFIDE (Visually inspect)	Headspace (< 1")	Y / N	☐ Notify CONV
VOA (Visually inspect)	Zero headspace	Y / N	☐ Notify ORG
WDO (Visually inspect)	Zero headspace	Y / N	☐ Notify CONV
Other:			

FIELD FILTRATION CHECKLIST (Circle and/or check applicable selections)

Product (SM Action)	Field Filtered	Field Blank	Corrective Action
ORTHOP (Check Field Sheet)	Y (within 15 min y / n) / N	Y / N	☐ Deliver to CONV
NO2 / NO3 / NO23 / NH3 / SI (Documentation)	Y (within 1 day y / n) / N	Y / N / NA	☐ Deliver to CONV
Dissolved Metals (Check Field Sheet)	Y (within 15 min y / n) / N	Y / N / NA	☐ Deliver to METALS
DOC (Deliver / Notify Unit)	Y (within 15 min or 1 day) / N	Y / N / NA	☐ Deliver to CONV
DCOD / CR(VI) (Deliver / Notify Unit)	Y (within 15 min y / n) / N	Y / N / NA	☐ Deliver to CONV
Other:			
Other:			

CC: ☐ AQUATOX, ☐ CONV, ☐ METALS, ☐ MICRO, ☐ ORG, ☐ _____

NOTES

1. Deliver dissolved Hg-CVAF samples to METALS for filtration.
2. Deliver double-bagged metals samples to METALS for preservation.
3. Do not test pH for preserved BNA and TOTSULFIDE samples.
4. Deliver pH, WDO, and all MICRO samples ASAP to appropriate section for immediate processing.
5. Enter " Time Span" for composite samples during sample login.
6. Split algae sample into 60 mL clear glass if PHYTOQUAL is requested.

SM Signature: _____ Date / Time Completed: 7/31/2024

Analytical Resources, LLC
Analytical Chemists and Consultants
Tukwila, WA

20 August 2024

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

RE: General (66971)

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)	Associated SDG ID(s)
24H0001	N/A

Phillip Bates
Digitally signed by Phillip Bates
Date: 2024.08.20 09:31:05 -07'00'

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

Phillip Bates, Project 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.

Accredited in accordance with nelac
Cert# 100006-012

ARI # 24H0001

EVERETT WASHINGTON

CITY OF EVERETT
ENVIRONMENTAL LABORATORY
Ph: 425.257.8230 Fax 425.257.8228
Sample Dropoff: 4027 4th St SE, Everett WA 98201
Mailing Address: 3200 Cedar ST, Everett WA 98201

ENVIRONMENTAL ANALYSIS REQUEST CHAIN OF CUSTODY

Date: 7/31/2024

PROJECT #: **66971** (Lab Use Only)

Client: City of Everett		Address: 3200 Cedar St Everett, WA 98201	
Program/ Project: IPT - Quarterly	Site/ Address: EWPCF		
Phone: 425.257.8240	Sampler: Anna Pennington	Requested By: Shane Sinclair	
E-Mail: ssinclair@everettwa.gov / apennington@everettwa.gov		Analyses Requested	

Sample Matrix: SW - Surface Water WW - Wastewater W - Water GW - Ground Water S - Solid FB - Field Blank Other

Sample Description:	LIMS ID # (Lab Use Only)	Sample Date	Sample Time	Comp Grab		HEM/SGT-HEM	Cyanide	Phenolics 420.1	TOC	% TS				# of Containers
SCE	BQ60999	7/30	0730	Comp	WW	4/ARI	1/ARI	1/ARI	1/ARI					7
PI	BQ61000	7/30	0730	Comp	WW	4/ARI	1/ARI	1/ARI						6
WSS	BQ61001	7/30	1420	Grab	S		1/ARI	1/ARI		1/ARI				3

Cooler? (Y) N | Ice? Y / N | Sample Temp: 10.3 °C | Total # of Containers: 16

Relinquished*:	Received:	Date:	Time:
1) Anna Pennington	1)	7-31-24	1025
2)	2) ARI	7/31/24	1233
3)	3)	Date:	Time:

COMMENTS:

	FEN	SCE	PI	WSS
1	730	740	750	X
2	1030	1040	1045	X
3	1400	1410	1415	1420
4	730	755	740	X

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City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BQ60999	24H0001-01	Water	30-Jul-2024 07:30	31-Jul-2024 12:33
BQ61000	24H0001-02	Water	30-Jul-2024 07:30	31-Jul-2024 12:33
BQ1001	24H0001-03	Solid	30-Jul-2024 14:20	31-Jul-2024 12:33

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Work Order Case Narrative

Client: City of Everett
Project: General
Project Number: 66971
Work Order: 24H0001

Sample receipt

The sample(s) as listed on the preceding page were received 31-Jul-2024 12:33 under ARI work order 24H0001. For details regarding sample receipt, please refer to the Cooler Receipt Form.

Due to laboratory oversight, the water samples for Phenolics were not checked for preservation. This was not caught until after the window had passed to preserve the unpreserved samples. The client was notified and chose to cancel the analysis and resample.

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.

Analytical Resources, LLC
Analytical Chemists and Consultants

Printed: 8/1/2024 9:16:22AM

WORK ORDER

24H0001

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

Client: City of Everett | **Project Manager:** Phillip Bates

Project: General | **Project Number:** 66971

Report To:
City of Everett
Chris Merwede
PO Box 12130
Everett, WA 98206
Phone: 425-257-8230
Fax: -

Invoice To:
City of Everett
Chris Merwede
PO Box 12130
Everett, WA 98206
Phone :425-257-8230
Fax: -

Date Due: 14-Aug-2024 18:00 (10 day TAT)

Received By: Sydni Acevedo | Date Received: 31-Jul-2024 12:33

Logged In By: Robert Leesemann | Date Logged In: 01-Aug-2024 08:22

Samples Received at: 10.3°C

Intact, properly signed and dated custody seals attached to outside of cooler(s)	No	Custody papers included with the cooler	Yes
Custody papers properly filled out(in, signed, analyses requested, etc)	Yes	Was a temperature blank included in the cooler	No
Was sufficient ice used (if appropriate)	No	All bottles sealed in individual plastic bags	No
All bottles arrived in good condition(unbroken)	Yes	All bottle labels complete and legible	Yes
Number of containers listed on COC match number received	Yes	Bottle labels and tags agree with COC	Yes
Correct bottles used for the requested analyses	Yes	All VOC vials free of air bubbles	No
Analyses/bottles require preservation (attach preservation sheet excluding VOC)	Yes	Sufficient amount of sample sent in each bottle	Yes
Sample split at ARI	No		

24H0001-01 SCEBQ60999 |Water| Sampled 30-Jul-2024 07:30

Carbon, Organic Total, SM 5310 B	08/14/2024	10	8/27/2024
Cyanide, Total, EPA 9014	08/14/2024	10	8/13/2024
Oil & Grease, EPA 1664	08/14/2024	10	8/27/2024
Phenolics, EPA 420.1	08/14/2024	10	8/27/2024

24H0001-02 PIBQ61000 |Water| Sampled 30-Jul-2024 07:30

Cyanide, Total, EPA 9014	08/14/2024	10	8/13/2024
Oil & Grease, EPA 1664	08/14/2024	10	8/27/2024
Phenolics, EPA 420.1	08/14/2024	10	8/27/2024

24H0001-03 WSSBQ1001 |Solid| Sampled 30-Jul-2024 14:20

Cyanide, Total, EPA 9014 Solid	08/14/2024	10	8/13/2024
Phenolics, EPA 420.1, Solid	08/14/2024	10	8/27/2024
Solids, Total, Dried at 103 -105 °C, Solid	08/14/2024	10	8/27/2024

Reviewed By _____ Date _____

WORK ORDER

24H0001

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

Client: City of Everett | **Project Manager:** Phillip Bates

Project: General | **Project Number:** 66971

Preservation Confirmation

Container ID	Container Type	pH	
24H0001-01 A	Glass NM, Amber, 500 mL		
24H0001-01 B	HDPE NM, 500 mL, NaOH	>12	Pass
24H0001-01 C	Glass NM, Amber, 250 mL	<2	Pass
24H0001-01 D	Glass WM, Clear, 8 oz, 9N H2SO4	<2	Pass
24H0001-01 E	Glass WM, Clear, 8 oz, 9N H2SO4		
24H0001-01 F	Glass WM, Clear, 8 oz, 9N H2SO4		
24H0001-01 G	Glass WM, Clear, 8 oz, 9N H2SO4		
24H0001-02 A	Glass NM, Amber, 500 mL		
24H0001-02 B	HDPE NM, 500 mL, NaOH	>12	Pass
24H0001-02 C	Glass WM, Clear, 8 oz, 9N H2SO4	<2	Pass
24H0001-02 D	Glass WM, Clear, 8 oz, 9N H2SO4		
24H0001-02 E	Glass WM, Clear, 8 oz, 9N H2SO4		
24H0001-02 F	Glass WM, Clear, 8 oz, 9N H2SO4		
24H0001-03 A	Glass NM, Amber, 500 mL		
24H0001-03 B	HDPE NM, 500 mL, NaOH	>12	Pass
24H0001-03 C	HDPE NM, 250mL		

RL — Preservation Confirmed By

8-1-24 — Date

Reviewed By

Date

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: City of Everett Project Name: PT- Quarterly

COC No(s): NA Delivered by: Fed-Ex UPS Courier Hand Delivered Other:

Assigned ARI Job No: ~~24G8~~ 24H0001 Tracking No: NA

Preliminary Examination Phase: RL 8-1-24

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 1233 10.3

If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 511

Cooler Accepted by: SA Date: 7/31/24 Time: 1233

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:		
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: RL Date: 8-1-24 Time: 08:22 Labels checked by: RL

*** 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:

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Temperature Compliance Form

ARI Work Order: 24H0001

Cooler#: _____ **Temperature(°C):** 10.3

Sample ID	Bottle Count	Bottle Type
Samples received above 6°C		

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Cooler#: _____ **Temperature(°C):** _____

Sample ID	Bottle Count	Bottle Type

Completed by: SA Date: 7/31/24 Time: 1233

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ60999

24H0001-01 (Water)

Wet Chemistry

Method: EPA 1664B — Sampled: 07/30/2024 07:30
Instrument: Bal2 Analyst: LM — Analyzed: 08/05/2024 09:15

Sample Preparation: Preparation Method: EPA 3535A SPE (Solid Phase Extraction) — Extract ID: 24H0001-01
Preparation Batch: BMH0048 — Sample Size: 750 mL
Prepared: 08/05/2024 — Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
HEM Oil & Grease		1	7	16	mg/L	
SGT-HEM NP Oil & Grease		1	7	ND	mg/L	U
HEM Polar Oil & Grease		1	7	16	mg/L	

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ60999

24H0001-01 (Water)

Wet Chemistry

Method: EPA 9014 — Sampled: 07/30/2024 07:30

Instrument: UV1800-2 Analyst: RMS — Analyzed: 08/16/2024 07:48

Sample Preparation: Preparation Method: EPA 9010C m — Extract ID: 24H0001-01 B

Preparation Batch: BMH0221 — Sample Size: 50 mL

Prepared: 08/13/2024 — 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	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ60999

24H0001-01 (Water)

Wet Chemistry

Method: SM 5310 B-11 — Sampled: 07/30/2024 07:30

Instrument: TOC-LCSH Analyst: RMS — Analyzed: 08/06/2024 22:39

Sample Preparation: Preparation Method: No Prep Wet Chem — Extract ID: 24H0001-01 C

Preparation Batch: BMH0072 — Sample Size: 20 mL

Prepared: 08/06/2024 — Final Volume: 20 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Organic Carbon		1	0.50	0.50	16.49	mg/L	

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ61000

24H0001-02 (Water)

Wet Chemistry

Method: EPA 1664B — Sampled: 07/30/2024 07:30

Instrument: Bal2 Analyst: LM — Analyzed: 08/05/2024 09:15

Sample Preparation: Preparation Method: EPA 3535A SPE (Solid Phase Extraction) — Extract ID: 24H0001-02

Preparation Batch: BMH0048 — Sample Size: 830 mL

Prepared: 08/05/2024 — Final Volume: 1000 mL

Analyte	CAS Number	Dilution	Reporting Limit	Result	Units	Notes
HEM Oil & Grease		1	6	13	mg/L	
SGT-HEM NP Oil & Grease		1	6	ND	mg/L	U
HEM Polar Oil & Grease		1	6	12	mg/L	

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ61000

24H0001-02 (Water)

Wet Chemistry

Method: EPA 9014 — Sampled: 07/30/2024 07:30

Instrument: UV1800-2 Analyst: RMS — Analyzed: 08/16/2024 07:48

Sample Preparation: Preparation Method: EPA 9010C m — Extract ID: 24H0001-02 B

Preparation Batch: BMH0221 — Sample Size: 50 mL

Prepared: 08/13/2024 — 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	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ1001

24H0001-03 (Solid)

Wet Chemistry

Method: EPA 420.1 — Sampled: 07/30/2024 14:20

Instrument: UV1800-2 Analyst: RMS — Analyzed: 08/20/2024 07:09

Sample Preparation: Preparation Method: EPA 9045D — Extract ID: 24H0001-03 A

Preparation Batch: BMH0336 — Sample Size: 5.8487 g (wet) — Dry Weight:0.04 g

Prepared: 08/20/2024 — Final Volume: 129.1667 mL — % Solids: 0.66

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Phenolics		1	135	135	**ND**	mg/kg	U

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ1001

24H0001-03 (Solid)

Wet Chemistry

Method: EPA 9014 — Sampled: 07/30/2024 14:20

Instrument: UV1800-2 Analyst: RMS — Analyzed: 08/16/2024 07:53

Sample Preparation: Preparation Method: EPA 9010C m — Extract ID: 24H0001-03 B

Preparation Batch: BMH0222 — Sample Size: 5.061 g (wet) — Dry Weight:0.03 g

Prepared: 08/13/2024 — Final Volume: 50 mL — % Solids: 0.66

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Cyanide, Total after Distillation	57-12-5	1	7.46	7.46	ND	mg/kg	U

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

BQ1001

24H0001-03 (Solid)

Wet Chemistry

Method: SM 2540 G-11 — Sampled: 07/30/2024 14:20

Instrument: BAL2 Analyst: LERB — Analyzed: 08/12/2024 12:59

Sample Preparation: Preparation Method: No Prep Wet Chem — Extract ID: 24H0001-03

Preparation Batch: BMH0198 — Sample Size: 5 g (wet)

Prepared: 08/09/2024 — Final Volume: 5 g — % Solids: 0.66

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Solids		1	0.04	0.04	0.66	%	

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMH0048 - EPA 1664B

Instrument: Bal2 Analyst: LM

QC Sample/Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMH0048-BLK1)				Prepared: 05-Aug-2024 Analyzed: 05-Aug-2024 09:15						
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 (BMH0048-BS1)				Prepared: 05-Aug-2024 Analyzed: 05-Aug-2024 09:15						
HEM Oil & Grease	37	5	mg/L	40.08		92.6	78-114			
SGT-HEM NP Oil & Grease	16	5	mg/L	20.05		80.3	64-132			
HEM Polar Oil & Grease	21	5	mg/L	20.03		105	0-200			

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMH0072 - SM 5310 B-11

Instrument: TOC-LCSH Analyst: RMS

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMH0072-BLK1)					Prepared: 06-Aug-2024 Analyzed: 06-Aug-2024 19:38						
Total Organic Carbon	ND	0.50	0.50	mg/L							U
LCS (BMH0072-BS1)					Prepared: 06-Aug-2024 Analyzed: 06-Aug-2024 20:01						
Total Organic Carbon	21.19	0.50	0.50	mg/L	20.00		106	90-110			

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Instrument: BAL2 Analyst: LERB

QC Sample/Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (BMH0198-BLK1)					Prepared: 09-Aug-2024 Analyzed: 12-Aug-2024 12:59						
Total Solids	ND	0.04	0.04	%							U

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMH0221 - 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 (BMH0221-BLK1)				Prepared: 13-Aug-2024 Analyzed: 16-Aug-2024 07:46							
Cyanide, Total	ND	0.0050	0.0050	mg/L							U
LCS (BMH0221-BS1)				Prepared: 13-Aug-2024 Analyzed: 16-Aug-2024 07:46							
Cyanide, Total	0.151	0.0050	0.0050	mg/L	0.150		101	75-125			

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMH0222 - 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 (BMH0222-BLK1)				Prepared: 13-Aug-2024 Analyzed: 16-Aug-2024 07:52							
Cyanide, Total after Distillation	ND	0.050	0.050	mg/kg							U
LCS (BMH0222-BS1)				Prepared: 13-Aug-2024 Analyzed: 16-Aug-2024 07:53							
Cyanide, Total after Distillation	1.52	0.050	0.050	mg/kg	1.50		101	75-125			
Duplicate (BMH0222-DUP1)	Source: 24H0001-03			Prepared: 13-Aug-2024 Analyzed: 16-Aug-2024 07:54							
Cyanide, Total after Distillation	ND	7.22	7.22	mg/kg		ND					U
Matrix Spike (BMH0222-MS1)	Source: 24H0001-03			Prepared: 13-Aug-2024 Analyzed: 16-Aug-2024 07:54							
Cyanide, Total after Distillation	181	7.54	7.54	mg/kg	229	ND	79.3	75-125			

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

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMH0336 - 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 (BMH0336-BLK1)				Prepared: 20-Aug-2024 Analyzed: 20-Aug-2024 07:06							
Total Phenolics	ND	0.40	0.40	mg/kg							U
LCS (BMH0336-BS1)				Prepared: 20-Aug-2024 Analyzed: 20-Aug-2024 07:06							
Total Phenolics	4.64	0.40	0.40	mg/kg	5.00		92.8	90-110			

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

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 Solid	
Total Phenolics	DoD-ELAP,NELAP
EPA 9014 in Solid	
Cyanide, Total after Distillation	DoD-ELAP,NELAP,WADOE
EPA 9014 in Water	
Cyanide, Total	DoD-ELAP,NELAP,WADOE
SM 5310 B-11 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	05/12/2025
WADOE	WA Dept of Ecology	C558	06/30/2025
WA-DW	Ecology - Drinking Water	C558	06/30/2025

City of Everett	Project: General	
PO Box 12130	Project Number: 66971	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	20-Aug-2024 09:29

Notes and Definitions

*	Flagged value is not within established control limits.
L	Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to +/- RL instead of 20% RPD
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.

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067112

Client:	CITY OF EVERETT - IPT	Date Received:	08/15/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	ANNA PENNINGTON	Date Reported:	05/30/25

BQ62815 - SCE Sample Date/Time: **08/14/24 07:55** Sampler: AP / CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Phenolics		**<0.04**				mg/L	09/03/24 15:21	CM

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067112

Client:	CITY OF EVERETT - IPT	Date Received:	08/15/24
Program:	IPT - EWPCF	Data Release:	CM
Contact:	ANNA PENNINGTON	Date Reported:	05/30/25

BQ62816 - PI Sample Date/Time: **08/14/24 08:00** Sampler: AP / CJ

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Phenolics		**0.08**				mg/L	09/03/24 15:21	CM

Analytical Resources, LLC
Analytical Chemists and Consultants
Tukwila, WA

03 September 2024

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

RE: General (67112)

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)	Associated SDG ID(s)
24H0323	N/A

Phillip Bates
Digitally signed by Phillip Bates
Date: 2024.09.03 12:47:38 -07'00'

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

Phillip Bates, Project 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.

Accredited in accordance with nelac
Cert# 100006-012

24H0323

EVERETT WASHINGTON

CITY OF EVERETT
ENVIRONMENTAL LABORATORY
Ph: 425.257.8230 Fax 425.257.8228
Sample Dropoff: 4027 4th St SE, Everett WA 98201
Mailing Address: 3200 Cedar ST, Everett WA 98201

ENVIRONMENTAL ANALYSIS REQUEST CHAIN OF CUSTODY

PROJECT # 67112 (Lab Use Only)

Date: 8/15/2024

Client: City of Everett			Address: 3200 Cedar St Everett, WA 98201
Program/ Project: IPT - Quarterly	Site/ Address: EWPCF		
Phone: 425.257.8240	Sampler: C. Johnstone		Requested By: SS/CM
E-Mail: ssinclair@everettwa.go			Analyses Requested

Sample Matrix: SW - Surface Water WW - Wastewater W - Water GW - Ground Water S - Solid FB - Field Blank Other

Sample Description:	LIMS ID # (Lab Use Only)	Sample Date	Sample Time	Comp Grab		Phenolics 420.1							# of Containers
SCE	BQ62815	8/14	0755	Comp	WW	1/ARI							1
PI	16	8/14	0800	Comp	WW	1/ARI							1

Cooler? (Y) / N | Ice? (Y) / N | Sample Temp: 11.3 °C | Total # of Containers: 2

Relinquished*:	Received:		
1)	1)	Date: 8/15/24	Time: 0835
2)	2) ARI	Date: 8/15/24	Time: 1208
3)	3)	Date:	Time:

COMMENTS: *Resample required per lab.

Mcomp	SCE	PI
1	815	825
2	1055	1105
3	1440	1450
4	755	800

*Because the City of Everett Environmental Laboratory is a public agency, data, test results, reports and other documents are public records and therefore subject to disclosure to third parties upon their request pursuant to RCW Chap. 42.17.

City of Everett	Project: General	
PO Box 12130	Project Number: 67112	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	03-Sep-2024 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BQ62815	24H0323-01	Water	14-Aug-2024 07:55	15-Aug-2024 12:08
BQ62816	24H0323-02	Water	14-Aug-2024 08:00	15-Aug-2024 12:08

City of Everett	Project: General	
PO Box 12130	Project Number: 67112	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	03-Sep-2024 12:46

Work Order Case Narrative

Client: City of Everett
Project: General
Project Number: 67112
Work Order: 24H0323

Sample receipt

The sample(s) as listed on the preceding page were received 15-Aug-2024 12:08 under ARI work order 24H0323. 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.

WORK ORDER

24H0323

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

Client: City of Everett | **Project Manager:** Phillip Bates

Project: General | **Project Number:** |none|

Report To:
City of Everett
Chris Merwede
PO Box 12130
Everett, WA 98206
Phone: 425-257-8230
Fax: -

Invoice To:
City of Everett
Chris Merwede
PO Box 12130
Everett, WA 98206
Phone :425-257-8230
Fax: -

Date Due: 29-Aug-2024 18:00 (10 day TAT)

Received By: Sydni Acevedo | Date Received: 15-Aug-2024 12:08

Logged In By: Savannah Wright | Date Logged In: 15-Aug-2024 16:13

Samples Received at **5.1°C**

Intact, properly signed and dated custody seals attached to outside of cooler(s)	No	Custody papers included with the cooler	Yes
Custody papers properly filled out (in, signed, analyses requested, etc)	Yes	Was a temperature blank included in the cooler	No
Was sufficient ice used (if appropriate)	No	All bottles sealed in individual plastic bags	No
All bottles arrived in good condition (unbroken)	Yes	All bottle labels complete and legible	Yes
Number of containers listed on COC match number received	Yes	Bottle labels and tags agree with COC	Yes
Correct bottles used for the requested analyses	Yes	All VOC vials free of air bubbles	No
Analyses/bottles require preservation (attach preservation sheet excluding VOC)	No	Sufficient amount of sample sent in each bottle	Yes
Sample split at ARI	No		

24H0323-01 SCE |Water| Sampled 14-Aug-2024 07:55

Phenolics, EPA 420.1	08/29/2024	10	9/11/2024

24H0323-02 PI |Water| Sampled 14-Aug-2024 08:00

Phenolics, EPA 420.1	08/29/2024	10	9/11/2024

Preservation Confirmation

Container ID	Container Type	pH
24H0323-01 A	Glass NM, Amber, 500 mL	72 fai
24H0323-02 A	Glass NM, Amber, 500 mL	72 fai

MD
Preservation By

08/16/24
Date

Reviewed By

Date

Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: City of Everett
Project Name: _____
COC No(s): _____ NA
Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____
Assigned ARI Job No: 24H0323
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 1208 — 4.8 — 5.1
If cooler temperature is out of compliance fill out form 00070F — Temp Gun ID#: 7708

Cooler Accepted by: SA Date: 8/15/24 Time: 1208

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: _____		
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 mm 08/16/24
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: [signature] Date: 8/15/24 Time: 16:13 Labels checked by: _____

** *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:

WORK ORDER

24H0323

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

Client: City of Everett | **Project Manager:** Phillip Bates

Project: General | **Project Number:** [none]

Report To:
City of Everett
Chris Merwede
PO Box 12130
Everett, WA 98206
Phone: 425-257-8230
Fax: -

Invoice To:
City of Everett
Chris Merwede
PO Box 12130
Everett, WA 98206
Phone :425-257-8230
Fax: -

Date Due: 29-Aug-2024 18:00 (10 day TAT)

Received By: Sydni Acevedo | Date Received: 15-Aug-2024 12:08

Logged In By: Savannah Wright | Date Logged In: 15-Aug-2024 16:13

Samples Received at: 5.1°C

Intact, properly signed and dated custody seals attached to outside of cooler(s)	No	Custody papers included with the cooler	Yes
Custody papers properly filled out (ink, signed, analyses requested, etc)	Yes	Was a temperature blank included in the cooler	No
Was sufficient ice used (if appropriate)	No	All bottles sealed in individual plastic bags	No
All bottles arrived in good condition (unbroken)	Yes	All bottle labels complete and legible	Yes
Number of containers listed on COC match number received	Yes	Bottle labels and tags agree with COC	Yes
Correct bottles used for the requested analyses	Yes	All VOC vials free of air bubbles	No
Analyses/bottles require preservation (attach preservation sheet, excluding VOC)	No	Sufficient amount of sample sent in each bottle	Yes
Sample split at ARI	No		

24H0323-01 SCE [Water] Sampled 14-Aug-2024 07:55

Phenolics, EPA 420.1	08/29/2024	10	9/11/2024

24H0323-02 PI [Water] Sampled 14-Aug-2024 08:00

Phenolics, EPA 420.1	08/29/2024	10	9/11/2024

Preservation Confirmation

Container ID	Container Type	pH	
24H0323-01 A	Glass NM, Amber, 500 mL	>2 fwj	(1)
24H0323-02 A	Glass NM, Amber, 500 mL	>2 fwj	(1)

MN
Preservation Confirmed By

8/16/24
Date

(1) added 2mL 9N H_2SO_4 to pH <2

8/16/24

Reviewed By

Date

City of Everett	Project: General	
PO Box 12130	Project Number: 67112	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	03-Sep-2024 12:46

BQ62815

24H0323-01 (Water)

Wet Chemistry

Method: EPA 420.1 — Sampled: 08/14/2024 07:55

Instrument: UV1800-2 Analyst: RMS — Analyzed: 09/03/2024 06:05

Sample Preparation: Preparation Method: No Prep Wet Chem — Extract ID: 24H0323-01 A

Preparation Batch: BMI0001 — Sample Size: 30 mL

Prepared: 09/03/2024 — 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	Project: General	
PO Box 12130	Project Number: 67112	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	03-Sep-2024 12:46

BQ62816

24H0323-02 (Water)

Wet Chemistry

Method: EPA 420.1 — Sampled: 08/14/2024 08:00

Instrument: UV1800-2 Analyst: RMS — Analyzed: 09/03/2024 06:05

Sample Preparation: Preparation Method: No Prep Wet Chem — Extract ID: 24H0323-02 A

Preparation Batch: BMI0001 — Sample Size: 30 mL

Prepared: 09/03/2024 — Final Volume: 31 mL

Analyte	CAS Number	Dilution	Detection Limit	Reporting Limit	Result	Units	Notes
Total Phenolics		1	0.04	0.04	0.08	mg/L	

City of Everett	Project: General	
PO Box 12130	Project Number: 67112	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	03-Sep-2024 12:46

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMI0001 - 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 (BMI0001-BLK1)				Prepared: 03-Sep-2024 Analyzed: 03-Sep-2024 06:08							
Total Phenolics	ND	0.04	0.04	mg/L							U
LCS (BMI0001-BS1)				Prepared: 03-Sep-2024 Analyzed: 03-Sep-2024 06:09							
Total Phenolics	0.47	0.04	0.04	mg/L	0.500		94.4	90-110			

City of Everett	Project: General	
PO Box 12130	Project Number: 67112	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	03-Sep-2024 12:46

Certified Analyses included in this Report

Analyte	Certifications
EPA 420.1 in Water	
Total Phenolics	WADOE,NELAP,DoD-ELAP

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	05/12/2025
WADOE	WA Dept of Ecology	C558	06/30/2025
WA-DW	Ecology - Drinking Water	C558	06/30/2025

City of Everett	Project: General	
PO Box 12130	Project Number: 67112	**Reported:**
Everett WA, 98206	Project Manager: Chris Merwede	03-Sep-2024 12:46

Notes and Definitions

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.