

**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53416 - FEN

Sample Date/Time: **04/29/24 07:30**

Sampler: CJ

625-M	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,2,4-Trichlorobenzene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
1,2-Diphenylhydrazine	EPA 625 M	<1.3		1.3	2.5	µg/L	01/13/25 16:05	
1-Methylnaphthalene	EPA 625 M	<1		1	1.88	µg/L	01/13/25 16:05	
2,4,6-Trichlorophenol	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
2,4-Dichlorophenol	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
2,4-Dimethylphenol	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
2,4-Dinitrophenol	EPA 625 M	<3.8		3.8	6.25	µg/L	01/13/25 16:05	
2,4-Dinitrotoluene	EPA 625 M	<0.63		0.63	2.5	µg/L	01/13/25 16:05	
2,6-Dinitrotoluene	EPA 625 M	<0.63		0.63	2.5	µg/L	01/13/25 16:05	
2-Chloronaphthalene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
2-Chlorophenol	EPA 625 M	<1.3		1.3	2.5	µg/L	01/13/25 16:05	
2-Methylnaphthalene	EPA 625 M	<1		1	1.88	µg/L	01/13/25 16:05	
2-Nitrophenol	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
3,3'-Dichlorobenzidine	EPA 625 M	<2.5		2.5	2.5	µg/L	01/13/25 16:05	
3-Methyl cholanthrene	EPA 625 M	<2.5		2.5	10	µg/L	01/13/25 16:05	
3-Methylphenol/4-Methylph	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
4,6-Dinitro-2-Methylphenol	EPA 625 M	<2.5		2.5	6.25	µg/L	01/13/25 16:05	
4-Bromophenyl-phenylethe	EPA 625 M	<0.25		0.25	0.375	µg/L	01/13/25 16:05	
4-Chloro-3-methylphenol	EPA 625 M	<1.3		1.3	2.5	µg/L	01/13/25 16:05	
4-Chlorophenyl-phenylethe	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
4-Nitrophenol	EPA 625 M	<2.5		2.5	6.25	µg/L	01/13/25 16:05	
Acenaphthene	EPA 625 M	<0.25		0.25	0.5	µg/L	01/13/25 16:05	
Acenaphthylene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Anthracene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Benzidine	EPA 625 M	<37.5		37.5	113	µg/L	01/13/25 16:05	
Benzo(a)anthracene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Benzo(a)pyrene	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Benzo(g,h,i)perylene	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Benzo(r,s,t)pentaphene	EPA 625 M	<3.1		3.1	12.5	µg/L	01/13/25 16:05	
Benzoic Acid	EPA 625 M	<10		10	10	µg/L	01/13/25 16:05	
Benzyl Alcohol	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
bis(2-Chloroethoxy) Metha	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Bis-(2-Chloroethyl) Ether	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Bis-(2-Chloroisopropyl) Eth	EPA 625 M	<1.3		1.3	2.5	µg/L	01/13/25 16:05	
bis(2-Ethylhexyl)phthalate	EPA 625 M	0.72 J	J	0.63	2.5	µg/L	01/13/25 16:05	
Butylbenzylphthalate	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Carbazole	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Chrysene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Dibenz(a,h)anthracene	EPA 625 M	<1		1	1.88	µg/L	01/13/25 16:05	
Dibenzo(a,e)pyrene	EPA 625 M	<3.1		3.1	12.5	µg/L	01/13/25 16:05	
Dibenzo(a,h)acridine	EPA 625 M	<3.1		3.1	12.5	µg/L	01/13/25 16:05	
Dibenzo(a,h)pyrene	EPA 625 M	<3.1		3.1	12.5	µg/L	01/13/25 16:05	
Dibenzo(a,j)acridine	EPA 625 M	<3.1		3.1	12.5	µg/L	01/13/25 16:05	
Dibenzofuran	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Diethylphthalate	EPA 625 M	0.69 J	J	0.63	1.25	µg/L	01/13/25 16:05	
Dimethylphthalate	EPA 625 M	<0.25		0.25	0.375	µg/L	01/13/25 16:05	
Di-n-Butylphthalate	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Di-n-Octyl phthalate	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	

CITY OF EVERETT
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PROJECT # 00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53416 - FEN		Sample Date/Time: 04/29/24 07:30					Sampler: CJ	
625-M	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Fluoranthene	EPA 625 M	<0.38		0.38	0.75	µg/L	01/13/25 16:05	
Fluorene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Hexachlorobenzene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Hexachlorobutadiene	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Hexachlorocyclopentadiene	EPA 625 M	<2.5		2.5	6.25	µg/L	01/13/25 16:05	
Hexachloroethane	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Indeno(1,2,3-cd)pyrene	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Isophorone	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Naphthalene	EPA 625 M	<1		1	1.88	µg/L	01/13/25 16:05	
n-Decane	EPA 625 M	<0.38		0.38	0.75	µg/L	01/13/25 16:05	
Nitrobenzene	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
N-Nitrosodimethylamine	EPA 625 M	<2.5		2.5	3.75	µg/L	01/13/25 16:05	
N-Nitroso-Di-N-Propylamine	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
N-Nitrosodiphenylamine	EPA 625 M	<1.3		1.3	2.5	µg/L	01/13/25 16:05	
n-Octadecane	EPA 625 M	<0.38		0.38	0.75	µg/L	01/13/25 16:05	
o-Cresol	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Pentachlorophenol	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Perylene	EPA 625 M	<0.63		0.63	1.25	µg/L	01/13/25 16:05	
Phenanthrene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Phenol	EPA 625 M	<2.5		2.5	3.75	µg/L	01/13/25 16:05	
Pyrene	EPA 625 M	<0.38		0.38	0.625	µg/L	01/13/25 16:05	
Total Benzofluoranthenes (BFBs)	EPA 625 M	<1		1	1.88	µg/L	01/13/25 16:05	

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Hardness		81.7				mg/L	05/20/24 08:06	CM

CONTRACT-608	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
4,4'-DDD	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
4,4'-DDE	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
4,4'-DDT	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Aldrin	608	<0.055		0.055	0.055	µg/L	01/13/25 16:05	
alpha Chlordane	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
alpha-BHC	608	0.0088 J	J	0.005	0.01	µg/L	01/13/25 16:05	
Aroclor 1016	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1221	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1232	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1242	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1248	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1254	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1260	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
beta-BHC	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
delta-BHC	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Dieldrin	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endosulfan I	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endosulfan II	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endosulfan Sulfate	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endrin	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endrin Aldehyde	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	

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Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ53416 - FEN				Sample Date/Time: 04/29/24 07:30			Sampler: CJ	
CONTRACT-608	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
gamma-BHC (Lindane)	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Heptachlor	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Heptachlor Epoxide	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Methoxychlor	608	<0.025		0.025	0.05	µg/L	01/13/25 16:05	
Total Aroclors	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Toxaphene	608	<0.1		0.1	0.5	µg/L	01/13/25 16:05	
trans Chlordane	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
CONVENTIONALS	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
TDS	SM2540 C	300		10	40	mg/L	05/08/24 13:05	SH

**CITY OF EVERETT
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Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53417 - FEN - A

Sample Date/Time: **04/29/24 07:30**

Sampler: CJ

CONTRACT-624	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,1,1-Trichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1,2,2-Tetrachloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1,2-Trichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1-Dichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1-Dichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichloropropane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,3-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,4-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
2-Chloroethylvinyl ether	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
2-Hexanone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Acetone	EPA 624 M	<2.5		2.5	10	µg/L	01/13/25 16:05	
Acrolein	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Acrylonitrile	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Benzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Bromoform	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Bromomethane	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Carbon Disulfide	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Carbon tetrachloride	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chlorodibromomethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloroform	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloromethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
cis-1,3-Dichloropropene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Dichlorobromomethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Ethylbenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Ethylene dibromide	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
m,p-Xylene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Methyl ethyl ketone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Methyl isobutyl ketone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Methyl t-butyl ether	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Methylene chloride	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
o-Xylene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Styrene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Tetrachloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Toluene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Total Xylenes	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
trans-1,2-Dichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
trans-1,3-Dichloropropene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Trichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Trichlorofluoromethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Vinyl Acetate	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Vinyl chloride	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	

**CITY OF EVERETT
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PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53422 - SCE

Sample Date/Time: **04/29/24 07:40**

Sampler: CJ

625-M	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,2,4-Trichlorobenzene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
1,2-Diphenylhydrazine	EPA 625 M	<0.26		0.26	0.515	µg/L	01/13/25 16:05	
1-Methylnaphthalene	EPA 625 M	<0.21		0.21	0.387	µg/L	01/13/25 16:05	
2,4,6-Trichlorophenol	EPA 625 M	<0.52		0.52	1.03	µg/L	01/13/25 16:05	
2,4-Dichlorophenol	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
2,4-Dimethylphenol	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
2,4-Dinitrophenol	EPA 625 M	<0.77		0.77	1.29	µg/L	01/13/25 16:05	
2,4-Dinitrotoluene	EPA 625 M	<0.13		0.13	0.515	µg/L	01/13/25 16:05	
2,6-Dinitrotoluene	EPA 625 M	<0.13		0.13	0.515	µg/L	01/13/25 16:05	
2-Chloronaphthalene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
2-Chlorophenol	EPA 625 M	<0.26		0.26	0.515	µg/L	01/13/25 16:05	
2-Methylnaphthalene	EPA 625 M	<0.21		0.21	0.387	µg/L	01/13/25 16:05	
2-Nitrophenol	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
3,3'-Dichlorobenzidine	EPA 625 M	<0.515		0.515	0.515	µg/L	01/13/25 16:05	
3-Methyl cholanthrene	EPA 625 M	<0.52		0.52	2.06	µg/L	01/13/25 16:05	
3-Methylphenol/4-Methylph	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
4,6-Dinitro-2-Methylphenol	EPA 625 M	<0.52		0.52	1.29	µg/L	01/13/25 16:05	
4-Bromophenyl-phenylethe	EPA 625 M	<0.052		0.052	0.0773	µg/L	01/13/25 16:05	
4-Chloro-3-methylphenol	EPA 625 M	<0.26		0.26	0.515	µg/L	01/13/25 16:05	
4-Chlorophenyl-phenylethe	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
4-Nitrophenol	EPA 625 M	<0.52		0.52	1.29	µg/L	01/13/25 16:05	
Acenaphthene	EPA 625 M	<0.052		0.052	0.103	µg/L	01/13/25 16:05	
Acenaphthylene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Anthracene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Benzidine	EPA 625 M	<7.73		7.73	23.2	µg/L	01/13/25 16:05	
Benzo(a)anthracene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Benzo(a)pyrene	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Benzo(g,h,i)perylene	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Benzo(r,s,t)pentaphene	EPA 625 M	<0.64		0.64	2.58	µg/L	01/13/25 16:05	
Benzoic Acid	EPA 625 M	<2.06		2.06	2.06	µg/L	01/13/25 16:05	
Benzyl Alcohol	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
bis(2-Chloroethoxy) Metha	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Bis-(2-Chloroethyl) Ether	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Bis-(2-Chloroisopropyl) Eth	EPA 625 M	<0.26		0.26	0.515	µg/L	01/13/25 16:05	
bis(2-Ethylhexyl)phthalate	EPA 625 M	1.12		0.13	0.515	µg/L	01/13/25 16:05	
Butylbenzylphthalate	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Carbazole	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Chrysene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Dibenz(a,h)anthracene	EPA 625 M	<0.21		0.21	0.387	µg/L	01/13/25 16:05	
Dibenzo(a,e)pyrene	EPA 625 M	<0.64		0.64	2.58	µg/L	01/13/25 16:05	
Dibenzo(a,h)acridine	EPA 625 M	<0.64		0.64	2.58	µg/L	01/13/25 16:05	
Dibenzo(a,h)pyrene	EPA 625 M	<0.64		0.64	2.58	µg/L	01/13/25 16:05	
Dibenzo(a,j)acridine	EPA 625 M	<0.64		0.64	2.58	µg/L	01/13/25 16:05	
Dibenzofuran	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Diethylphthalate	EPA 625 M	0.15 J	J	0.13	0.258	µg/L	01/13/25 16:05	
Dimethylphthalate	EPA 625 M	<0.052		0.052	0.0773	µg/L	01/13/25 16:05	
Di-n-Butylphthalate	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Di-n-Octyl phthalate	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53422 - SCE		Sample Date/Time: 04/29/24 07:40					Sampler: CJ	
625-M	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Fluoranthene	EPA 625 M	<0.077		0.077	0.155	µg/L	01/13/25 16:05	
Fluorene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Hexachlorobenzene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Hexachlorobutadiene	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Hexachlorocyclopentadiene	EPA 625 M	<0.52		0.52	1.29	µg/L	01/13/25 16:05	
Hexachloroethane	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Indeno(1,2,3-cd)pyrene	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Isophorone	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Naphthalene	EPA 625 M	<0.21		0.21	0.387	µg/L	01/13/25 16:05	
n-Decane	EPA 625 M	<0.077		0.077	0.155	µg/L	01/13/25 16:05	
Nitrobenzene	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
N-Nitrosodimethylamine	EPA 625 M	<0.52		0.52	0.773	µg/L	01/13/25 16:05	
N-Nitroso-Di-N-Propylamine	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
N-Nitrosodiphenylamine	EPA 625 M	<0.26		0.26	0.515	µg/L	01/13/25 16:05	
n-Octadecane	EPA 625 M	<0.077		0.077	0.155	µg/L	01/13/25 16:05	
o-Cresol	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Pentachlorophenol	EPA 625 M	0.19 J	J	0.13	0.258	µg/L	01/13/25 16:05	
Perylene	EPA 625 M	<0.13		0.13	0.258	µg/L	01/13/25 16:05	
Phenanthrene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Phenol	EPA 625 M	<0.52		0.52	0.773	µg/L	01/13/25 16:05	
Pyrene	EPA 625 M	<0.077		0.077	0.129	µg/L	01/13/25 16:05	
Total Benzofluoranthenes (EPA 625 M	<0.21		0.21	0.387	µg/L	01/13/25 16:05	

CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Hardness		92.2				mg/L	05/20/24 08:06	CM

CONTRACT-608	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
4,4'-DDD	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
4,4'-DDE	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
4,4'-DDT	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Aldrin	608	<0.01		0.01	0.01	µg/L	01/13/25 16:05	
alpha Chlordane	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
alpha-BHC	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Aroclor 1016	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1221	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1232	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1242	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1248	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1254	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1260	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
beta-BHC	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
delta-BHC	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Dieldrin	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endosulfan I	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endosulfan II	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endosulfan Sulfate	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endrin	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Endrin Aldehyde	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066267

Client: CITY OF EVERETT - IPT Date Received: 04/29/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ53422 - SCE				Sample Date/Time: 04/29/24 07:40			Sampler: CJ	
CONTRACT-608	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
gamma-BHC (Lindane)	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Heptachlor	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Heptachlor Epoxide	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
Methoxychlor	608	<0.025		0.025	0.05	µg/L	01/13/25 16:05	
Total Aroclors	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Toxaphene	608	<0.1		0.1	0.5	µg/L	01/13/25 16:05	
trans Chlordane	608	<0.005		0.005	0.01	µg/L	01/13/25 16:05	
CONVENTIONALS	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
TDS	SM2540 C	290		10	40	mg/L	05/08/24 13:05	SH

**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53423 - SCE - A

Sample Date/Time: **04/29/24 07:40**

Sampler: CJ

CONTRACT-624	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,1,1-Trichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1,2,2-Tetrachloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1,2-Trichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1-Dichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1-Dichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichloropropane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,3-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,4-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
2-Chloroethylvinyl ether	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
2-Hexanone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Acetone	EPA 624 M	<2.5		2.5	10	µg/L	01/13/25 16:05	
Acrolein	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Acrylonitrile	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Benzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Bromoform	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Bromomethane	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Carbon Disulfide	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Carbon tetrachloride	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chlorodibromomethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloroform	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloromethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
cis-1,3-Dichloropropene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Dichlorobromomethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Ethylbenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Ethylene dibromide	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
m,p-Xylene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Methyl ethyl ketone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Methyl isobutyl ketone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Methyl t-butyl ether	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Methylene chloride	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
o-Xylene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Styrene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Tetrachloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Toluene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Total Xylenes	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
trans-1,2-Dichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
trans-1,3-Dichloropropene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Trichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Trichlorofluoromethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Vinyl Acetate	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Vinyl chloride	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	

**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53428 - PI

Sample Date/Time: **04/29/24 07:50**

Sampler: CJ

625-M	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,2,4-Trichlorobenzene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
1,2-Diphenylhydrazine	EPA 625 M	<5		5	10	µg/L	01/13/25 16:05	
1-Methylnaphthalene	EPA 625 M	<4		4	7.5	µg/L	01/13/25 16:05	
2,4,6-Trichlorophenol	EPA 625 M	<10		10	20	µg/L	01/13/25 16:05	
2,4-Dichlorophenol	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
2,4-Dimethylphenol	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
2,4-Dinitrophenol	EPA 625 M	<15		15	25	µg/L	01/13/25 16:05	
2,4-Dinitrotoluene	EPA 625 M	<2.5		2.5	10	µg/L	01/13/25 16:05	
2,6-Dinitrotoluene	EPA 625 M	<2.5		2.5	10	µg/L	01/13/25 16:05	
2-Chloronaphthalene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
2-Chlorophenol	EPA 625 M	<5		5	10	µg/L	01/13/25 16:05	
2-Methylnaphthalene	EPA 625 M	<4		4	7.5	µg/L	01/13/25 16:05	
2-Nitrophenol	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
3,3'-Dichlorobenzidine	EPA 625 M	<10		10	10	µg/L	01/13/25 16:05	
3-Methyl cholanthrene	EPA 625 M	<10		10	40	µg/L	01/13/25 16:05	
3-Methylphenol/4-Methylph	EPA 625 M	74.7		2.5	5	µg/L	01/13/25 16:05	
4,6-Dinitro-2-Methylphenol	EPA 625 M	<10		10	25	µg/L	01/13/25 16:05	
4-Bromophenyl-phenylethe	EPA 625 M	<1		1	1.5	µg/L	01/13/25 16:05	
4-Chloro-3-methylphenol	EPA 625 M	<5		5	10	µg/L	01/13/25 16:05	
4-Chlorophenyl-phenylethe	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
4-Nitrophenol	EPA 625 M	<10		10	25	µg/L	01/13/25 16:05	
Acenaphthene	EPA 625 M	<1		1	2	µg/L	01/13/25 16:05	
Acenaphthylene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Anthracene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Benzidine	EPA 625 M	<150		150	450	µg/L	01/13/25 16:05	
Benzo(a)anthracene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Benzo(a)pyrene	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Benzo(g,h,i)perylene	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Benzo(r,s,t)pentaphene	EPA 625 M	<13		13	50	µg/L	01/13/25 16:05	
Benzoic Acid	EPA 625 M	146		40	40	µg/L	01/13/25 16:05	
Benzyl Alcohol	EPA 625 M	25		2.5	5	µg/L	01/13/25 16:05	
bis(2-Chloroethoxy) Metha	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Bis-(2-Chloroethyl) Ether	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Bis-(2-Chloroisopropyl) Eth	EPA 625 M	<5		5	10	µg/L	01/13/25 16:05	
bis(2-Ethylhexyl)phthalate	EPA 625 M	8 J	J	2.5	10	µg/L	01/13/25 16:05	
Butylbenzylphthalate	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Carbazole	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Chrysene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Dibenz(a,h)anthracene	EPA 625 M	<4		4	7.5	µg/L	01/13/25 16:05	
Dibenzo(a,e)pyrene	EPA 625 M	<13		13	50	µg/L	01/13/25 16:05	
Dibenzo(a,h)acridine	EPA 625 M	<13		13	50	µg/L	01/13/25 16:05	
Dibenzo(a,h)pyrene	EPA 625 M	<13		13	50	µg/L	01/13/25 16:05	
Dibenzo(a,j)acridine	EPA 625 M	<13		13	50	µg/L	01/13/25 16:05	
Dibenzofuran	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Diethylphthalate	EPA 625 M	4 J	J	2.5	5	µg/L	01/13/25 16:05	
Dimethylphthalate	EPA 625 M	<1		1	1.5	µg/L	01/13/25 16:05	
Di-n-Butylphthalate	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Di-n-Octyl phthalate	EPA 625 M	7.11		1.5	2.5	µg/L	01/13/25 16:05	

**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53428 - PI

Sample Date/Time: **04/29/24 07:50**

Sampler: CJ

625-M	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Fluoranthene	EPA 625 M	<1.5		1.5	3	µg/L	01/13/25 16:05	
Fluorene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Hexachlorobenzene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Hexachlorobutadiene	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Hexachlorocyclopentadiene	EPA 625 M	<10		10	25	µg/L	01/13/25 16:05	
Hexachloroethane	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Indeno(1,2,3-cd)pyrene	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Isophorone	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Naphthalene	EPA 625 M	<4		4	7.5	µg/L	01/13/25 16:05	
n-Decane	EPA 625 M	<1.5		1.5	3	µg/L	01/13/25 16:05	
Nitrobenzene	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
N-Nitrosodimethylamine	EPA 625 M	<10		10	15	µg/L	01/13/25 16:05	
N-Nitroso-Di-N-Propylamine	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
N-Nitrosodiphenylamine	EPA 625 M	<5		5	10	µg/L	01/13/25 16:05	
n-Octadecane	EPA 625 M	<1.5		1.5	3	µg/L	01/13/25 16:05	
o-Cresol	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Pentachlorophenol	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Perylene	EPA 625 M	<2.5		2.5	5	µg/L	01/13/25 16:05	
Phenanthrene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Phenol	EPA 625 M	74.9		10	15	µg/L	01/13/25 16:05	
Pyrene	EPA 625 M	<1.5		1.5	2.5	µg/L	01/13/25 16:05	
Total Benzofluoranthenes (EPA 625 M	<4		4	7.5	µg/L	01/13/25 16:05	

CONTRACT-608	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
4,4'-DDD	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
4,4'-DDE	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
4,4'-DDT	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Aldrin	608	0.035 J	J	0.02	0.04	µg/L	01/13/25 16:05	
alpha Chlordane	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
alpha-BHC	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Aroclor 1016	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1221	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1232	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1242	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1248	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1254	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Aroclor 1260	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
beta-BHC	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
delta-BHC	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Dieldrin	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Endosulfan I	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Endosulfan II	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Endosulfan Sulfate	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Endrin	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Endrin Aldehyde	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
gamma-BHC (Lindane)	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Heptachlor	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	
Heptachlor Epoxide	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066267

Client: CITY OF EVERETT - IPT Date Received: 04/29/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ53428 - PI		Sample Date/Time: 04/29/24 07:50					Sampler: CJ	
CONTRACT-608	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Methoxychlor	608	<0.1		0.1	0.2	µg/L	01/13/25 16:05	
Total Aroclors	608	<0.025		0.025	0.1	µg/L	01/13/25 16:05	
Toxaphene	608	<0.4		0.4	2	µg/L	01/13/25 16:05	
trans Chlordane	608	<0.02		0.02	0.04	µg/L	01/13/25 16:05	

**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53429 - PI - A

Sample Date/Time: **04/29/24 07:50**

Sampler: CJ

CONTRACT-624	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,1,1-Trichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1,2,2-Tetrachloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1,2-Trichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1-Dichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,1-Dichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,2-Dichloropropane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,3-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
1,4-Dichlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
2-Chloroethylvinyl ether	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
2-Hexanone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Acetone	EPA 624 M	101		2.5	10	µg/L	01/13/25 16:05	
Acrolein	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Acrylonitrile	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Benzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Bromoform	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Bromomethane	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Carbon Disulfide	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Carbon tetrachloride	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chlorobenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chlorodibromomethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloroethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Chloroform	EPA 624 M	2.82		1	2	µg/L	01/13/25 16:05	
Chloromethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
cis-1,3-Dichloropropene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Dichlorobromomethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Ethylbenzene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Ethylene dibromide	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
m,p-Xylene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Methyl ethyl ketone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Methyl isobutyl ketone	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Methyl t-butyl ether	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Methylene chloride	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
o-Xylene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Styrene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Tetrachloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Toluene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Total Xylenes	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
trans-1,2-Dichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
trans-1,3-Dichloropropene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Trichloroethene	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Trichlorofluoromethane	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	
Vinyl Acetate	EPA 624 M	<5		5	10	µg/L	01/13/25 16:05	
Vinyl chloride	EPA 624 M	<1		1	2	µg/L	01/13/25 16:05	

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066267

Client: CITY OF EVERETT - IPT Date Received: 04/29/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ53434 - WSS		Sample Date/Time: 04/29/24 15:00				Sampler: CJ		
CONTRACT	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Total Solids %		0.342					01/13/25 16:05	CM
CONTRACT-608	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
4,4'-DDD	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
4,4'-DDE	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
4,4'-DDT	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Aldrin	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
alpha Chlordane	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
alpha-BHC	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Aroclor 1016	608	<292		292	292	µg/kg	01/13/25 16:05	
Aroclor 1221	608	<877		877	877	µg/kg	01/13/25 16:05	
Aroclor 1232	608	<877		877	877	µg/kg	01/13/25 16:05	
Aroclor 1242	608	<292		292	292	µg/kg	01/13/25 16:05	
Aroclor 1248	608	<292		292	292	µg/kg	01/13/25 16:05	
Aroclor 1254	608	<292		292	292	µg/kg	01/13/25 16:05	
Aroclor 1260	608	<292		292	292	µg/kg	01/13/25 16:05	
beta-BHC	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
delta-BHC	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Dieldrin	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Endosulfan I	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Endosulfan II	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Endosulfan Sulfate	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Endrin	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Endrin Aldehyde	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
gamma-BHC (Lindane)	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Heptachlor	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Heptachlor Epoxide	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
Methoxychlor	608	<73.1		73.1	73.1	µg/kg	01/13/25 16:05	
Total Aroclors	608	<877		877	877	µg/kg	01/13/25 16:05	
Toxaphene	608	<1460		1460	1460	µg/kg	01/13/25 16:05	
trans Chlordane	608	<14.6		14.6	14.6	µg/kg	01/13/25 16:05	
CONTRACT-624	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,1,1-Trichloroethane	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
1,1,2,2-Tetrachloroethane	EPA 624 M	<7310		1460	7310	µg/kg	01/13/25 16:05	
1,1,2-Trichloroethane	EPA 624 M	<1460		1460	1460	µg/kg	01/13/25 16:05	
1,1,2-Trichloroethene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
1,1-Dichloroethane	EPA 624 M	<1460		1460	1460	µg/kg	01/13/25 16:05	
1,1-Dichloroethene	EPA 624 M	<7310		1460	7310	µg/kg	01/13/25 16:05	
1,2-Dibromoethane	EPA 624 M	<7310		3800	7310	µg/kg	01/13/25 16:05	
1,2-Dichloroethane	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
1,2-Dichloropropane	EPA 624 M	<1460		1460	1460	µg/kg	01/13/25 16:05	
2-Butanone	EPA 624 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
2-Chloroethylvinyl ether	EPA 624 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
2-Hexanone	EPA 624 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
4-Methyl-2-Pentanone (MIB)	EPA 624 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Acetone	EPA 624 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
Acrolein	EPA 624 M	<7310		7310	7310	µg/kg	01/13/25 16:05	

**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53434 - WSS

Sample Date/Time: **04/29/24 15:00**

Sampler: CJ

CONTRACT-624	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
Acrylonitrile	EPA 624 M	<7310		7310	7310	µg/kg	01/13/25 16:05	
Benzene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Bromodichloromethane	EPA 624 M	<7310		3800	7310	µg/kg	01/13/25 16:05	
Bromoform	EPA 624 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Bromomethane	EPA 624 M	<7310		3800	7310	µg/kg	01/13/25 16:05	
Carbon Disulfide	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Carbon tetrachloride	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Chlorobenzene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Chlorodibromomethane	EPA 624 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
Chloroethane	EPA 624 M	<7310		3800	7310	µg/kg	01/13/25 16:05	
Chloroform	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Chloromethane	EPA 624 M	<7310		3800	7310	µg/kg	01/13/25 16:05	
cis-1,2-Dichloroethylene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
cis-1,3-Dichloropropene	EPA 624 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Ethylbenzene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
m,p-Xylene	EPA 624 M	<2920		1460	2920	µg/kg	01/13/25 16:05	
Methylene chloride	EPA 624 M	<1460		1460	1460	µg/kg	01/13/25 16:05	
Methyl-t-butyl Ether	EPA 624 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
o-Xylene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Styrene	EPA 624 M	<7310		3800	7310	µg/kg	01/13/25 16:05	
Tetrachloroethylene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Toluene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Total Xylenes	EPA 624 M	<2920		1460	2920	µg/kg	01/13/25 16:05	
trans-1,2-Dichloroethylene	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
trans-1,3-Dichloropropene	EPA 624 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Trichlorofluoromethane	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	
Vinyl Acetate	EPA 624 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
Vinyl chloride	EPA 624 M	<1460		731	1460	µg/kg	01/13/25 16:05	

CONTRACT-625	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
1,2,4-Trichlorobenzene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
1,2-Dichlorobenzene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
1,2-Diphenylhydrazine	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
1,3-Dichlorobenzene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
1,4-Dichlorobenzene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
1-Methylnaphthalene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
2,4,6-Trichlorophenol	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
2,4-Dichlorophenol	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
2,4-Dimethylphenol	EPA 625 M	<73100		7310	73100	µg/kg	01/13/25 16:05	
2,4-Dinitrophenol	EPA 625 M	<146000		14600	146000	µg/kg	01/13/25 16:05	
2,4-Dinitrotoluene	EPA 625 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
2,6-Dinitrotoluene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
2-Chloronaphthalene	EPA 625 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
2-Chlorophenol	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
2-Methylnaphthalene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
2-Methylphenol (o-Cresol)	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
2-Nitrophenol	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
3,3'-Dichlorobenzidine	EPA 625 M	<1462000		14600	1462000	µg/kg	01/13/25 16:05	

**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

PROJECT #

00066267

Client: CITY OF EVERETT - IPT

Date Received: 04/29/24

Program: IPT - EWPCF

Data Release: CM

Contact: Charles Johnstone

Date Reported: 05/30/25

BQ53434 - WSS

Sample Date/Time: **04/29/24 15:00**

Sampler: CJ

CONTRACT-625	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
3-Methylcholanthrene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
3-Methylphenol/4-Methylph	EPA 625 M	170 J		2920	7310	µg/kg	01/13/25 16:05	
4,6-Dinitro-2-Methylphenol	EPA 625 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
4-Bromophenyl-phenylethe	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
4-Chloro-3-methylphenol	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
4-Chlorophenyl-phenylethe	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
4-Nitrophenol	EPA 625 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Acenaphthene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Acenaphthylene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Anthracene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Benzidine	EPA 625 M	<1462000		14600	1462000	µg/kg	01/13/25 16:05	
Benzo(a)anthracene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Benzo(a)pyrene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Benzo(b,j,k)fluoranthene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Benzo(g,h,i)perylene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Benzo(r,s,t)pentaphene	EPA 625 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Benzoic Acid	EPA 625 M	220 J	J	29200	292000	µg/kg	01/13/25 16:05	
Benzyl Alcohol	EPA 625 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
Benzylbutylphthalate	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
bis(2-Chloroethoxy) Metha	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Bis-(2-Chloroethyl) Ether	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Bis-(2-Chloroisopropyl) Eth	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
bis(2-Ethylhexyl)phthalate	EPA 625 M	1080 J		2920	7310	µg/kg	01/13/25 16:05	
Carbazole	EPA 625 M	<14600		2920	14600	µg/kg	01/13/25 16:05	
Chrysene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Dibenz(a,h)anthracene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Dibenzo(a,e)pyrene	EPA 625 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Dibenzo(a,h)acridine	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Dibenzo(a,h)pyrene	EPA 625 M	<29200		14600	29200	µg/kg	01/13/25 16:05	
Dibenzo(a,j)acridine	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Dibenzofuran	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Diethylphthalate	EPA 625 M	<73100		2920	73100	µg/kg	01/13/25 16:05	
Dimethylphthalate	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Di-n-Butylphthalate	EPA 625 M	<14600		2920	14600	µg/kg	01/13/25 16:05	
Di-n-Octyl phthalate	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Fluoranthene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Fluorene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Hexachlorobenzene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Hexachlorobutadiene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Hexachlorocyclopentadien	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Hexachloroethane	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Indeno(1,2,3-cd)pyrene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Isophorone	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Naphthalene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
n-Decane	EPA 625 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
Nitrobenzene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
N-Nitrosodimethylamine	EPA 625 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
N-Nitroso-Di-N-Propylamin	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00066267

Client: CITY OF EVERETT - IPT Date Received: 04/29/24
Program: IPT - EWPCF Data Release: CM
Contact: Charles Johnstone Date Reported: 05/30/25

BQ53434 - WSS		Sample Date/Time: 04/29/24 15:00					Sampler: CJ	
CONTRACT-625	Method	Results	Qual	MDL	PQL	Units	Analysis Time	Analyst
N-Nitrosodiphenylamine	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
n-Octadecane	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Pentachlorophenol	EPA 625 M	<14600		7310	14600	µg/kg	01/13/25 16:05	
Perylene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Phenanthrene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	
Phenol	EPA 625 M	51.4 J		2920	7310	µg/kg	01/13/25 16:05	
Pyrene	EPA 625 M	<7310		2920	7310	µg/kg	01/13/25 16:05	



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)*
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

February 16, 2024

Page 1 of 1

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". The signature is fluid and cursive, with a long horizontal stroke 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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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 Qualifier	Comments
								MS	MSD					
200.7_240201B5														
E-11778	4551	HARDNESS as Calcium Carbonate	40.7	81.2		43.0	mg CaCO ₃ /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.



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

December 27, 2024

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

Dear Chris Merwede:

Enclosed are the results for the biosolids sample received April 30, 2024. The sample was assigned the following lab ID number:

L83736-9 WSS

The following data quality issues were noted during analysis of the biosolids sample.

Reporting Conventions:

- a. The results have been reported on a dry weight basis, which elevates the detection and quantitation limits due to the low level of total solids.
- b. Since the analysis and reporting of solid samples are based on SW-846 methods, the sensitivity limits reported are based on the Lower Limit of Quantitation (LLOQ). The LLOQ value for each parameter has been entered into the column titled "RDL" in the attached report for Sample L83736-9. Any undetected parameters or values measured between the LLOQ and the MDL will be qualified with a "<QL" flag to indicate the result is below the LLOQ. Numeric values reported that were between the LLOQ and the MDL will also be qualified with a J flag to indicate they are estimated concentrations since they are below the calibration range of the method. This only applies to Benzoic Acid in this report.

Note: Since the total solids in this sample is less than 1%, the preparation for BNAs, Pesticides and PCBs was done using an extraction procedure typically used for influent and effluent samples.

Chlorinated Pesticides:

- a. The recoveries of **heptachlor, aldrin, heptachlor epoxide, dieldrin, 4,4'-DDE, endrin, 4,4'-DDD, 4,4'-DDT, trans-chlordane** and **alpha-chlordane**, exceeded the lower laboratory control limits for the MS. The **heptachlor, aldrin, heptachlor epoxide, dieldrin, 4,4'-DDE, endrin, 4,4'-DDD, 4,4'-DDT, trans-chlordane** and **alpha-chlordane** results for sample L83736-9 were qualified JG to indicate the results may be biased low.

PCBs:

- a. During PCB analysis, matrix interference was observed and the aroclor patterns could not be determined. Sample L83736-9 and its matrix spike (MS) were analyzed at a 4X dilution to mitigate the matrix interference. Any aroclors that may have been present in the sample were diluted to less than the detection limit (DL).
- b. The recovery of **decachlorobiphenyl**, one of two surrogates added to every sample, from sample L83736-9 exceeded the lower control limit. Sample results were not qualified based on this exceedance.

Semivolatile Parameters:

- a. The recovery of **hexachlorocyclopentadiene** from the spike blank (SB) and SB duplicate (SBD) exceeded the upper laboratory control limit. The **hexachlorocyclopentadiene** result for sample L83736-9 was less than the DL, any potential high bias to the results is considered negligible and the data are unbiased.
- b. The recoveries of **2,4-dimethylphenol** and **benzoic acid** from the MS exceeded the upper laboratory control limit. The **2,4-dimethylphenol** and **benzoic acid** results for sample L83736-9 were less than the DL. Any potential high bias to the results is considered negligible and the data are unbiased.
- c. The recovery of **bis(2-ethylhexyl)phthalate** from the MS exceeded the lower laboratory control limit. The amount of **bis(2-ethylhexyl)phthalate** native to sample L83736-9 was four times higher than the amount of **bis(2-ethylhexyl)phthalate** added to the MS, making the recovery of this analyte from the MS uninformative.
- d. The recoveries of **benzidine** from the SB and SBD exceeded the lower laboratory control limit. The SBD relative percent difference (RPD) exceeded the laboratory control limit. **Benzidine** was not recovered from the MS. The **benzidine** result for sample L83736-9 was qualified JG based on these exceedances and considered to be biased low.

- e. The recovery of **perylene** from the MS just exceeded the lower laboratory control limit. The recoveries of *perylene* from the SB and SBD were well within laboratory control limits and there was no identifiable *perylene* peak in sample L83736-9. Sample results were not qualified based on this exceedance and can be used without bias.
- f. A trace amount of *bis(2-ethylhexyl)phthalate* was detected in the method blank (MB). The *bis(2-ethylhexyl)phthalate* results for the MB and L83736-9 were qualified B based on this trace detection.

Volatiles:

- a. The recovery of **tetrachloroethylene** from the SB and SBD exceeded the upper laboratory control limit. The *tetrachloroethylene* result for sample L83736-9 was less than the DL, any potential high bias to the results is considered negligible and the data are unbiased.
- b. The recoveries of **bromodichloromethane** and **chlorodibromomethane** from the MS exceeded the upper laboratory control limits; the recoveries of **bromoform** from the MS/MSD exceeded the upper laboratory control limits. The *bromodichloromethane*, *chlorodibromomethane* and *bromoform* results for sample L83736-9 was less than the DL, any potential high bias to the results is considered negligible and the data are unbiased.

The associated QC results are included with the report.

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
 Locator: WSS
 Descrip: CITY OF EVERETT LI
 Sample: L83736-9
 Matrix: SD SLUDGE
 ColDate: 4/29/24 15:00
 TotalSolid: 0.342

DRY Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
CV SM2540-G					
Total Solids*	0.342		0.005	0.01	%
OR SW846 3520C*SW846 8081B					
4,4'-DDD	<QL,JG		14.6	14.6	ug/Kg
4,4'-DDE	<QL,JG		14.6	14.6	ug/Kg
4,4'-DDT	<QL,JG		14.6	14.6	ug/Kg
Aldrin	<QL,JG		14.6	14.6	ug/Kg
Alpha-BHC	<QL		14.6	14.6	ug/Kg
Alpha-Chlordane	<QL,JG		14.6	14.6	ug/Kg
Beta-BHC	<QL		14.6	14.6	ug/Kg
Delta-BHC	<QL		14.6	14.6	ug/Kg
Dieldrin	<QL,JG		14.6	14.6	ug/Kg
Endosulfan I	<QL		14.6	14.6	ug/Kg
Endosulfan II	<QL		14.6	14.6	ug/Kg
Endosulfan Sulfate	<QL		14.6	14.6	ug/Kg
Endrin	<QL,JG		14.6	14.6	ug/Kg
Endrin Aldehyde	<QL		14.6	14.6	ug/Kg
Gamma-BHC (Lindane)	<QL		14.6	14.6	ug/Kg
Heptachlor	<QL,JG		14.6	14.6	ug/Kg
Heptachlor Epoxide	<QL,JG		14.6	14.6	ug/Kg
Methoxychlor	<QL		73.1	73.1	ug/Kg
Toxaphene	<QL		1460	1460	ug/Kg
trans-Chlordane	<QL,JG		14.6	14.6	ug/Kg
OR SW846 3520C*SW846 8082A					
Aroclor 1016	<QL		292	292	ug/Kg
Aroclor 1221	<QL		877	877	ug/Kg
Aroclor 1232	<QL		877	877	ug/Kg
Aroclor 1242	<QL		292	292	ug/Kg
Aroclor 1248	<QL		292	292	ug/Kg
Aroclor 1254	<QL		292	292	ug/Kg
Aroclor 1260	<QL		292	292	ug/Kg
Total Aroclors	<QL		877	877	ug/Kg
OR SW846 3520C*SW846 8270E					
1,2,4-Trichlorobenzene	<QL		2920	7310	ug/Kg
1,2-Dichlorobenzene	<QL		2920	7310	ug/Kg
1,2-Diphenylhydrazine	<QL		2920	7310	ug/Kg
1,3-Dichlorobenzene	<QL		2920	7310	ug/Kg
1,4-Dichlorobenzene	<QL		2920	7310	ug/Kg
1-Methylnaphthalene	<QL		2920	7310	ug/Kg
2,4,6-Trichlorophenol	<QL		2920	7310	ug/Kg
2,4-Dichlorophenol	<QL		2920	7310	ug/Kg
2,4-Dimethylphenol	<QL		7310	73100	ug/Kg
2,4-Dinitrophenol	<QL		14600	146000	ug/Kg
2,4-Dinitrotoluene	<QL		7310	14600	ug/Kg
2,6-Dinitrotoluene	<QL		2920	7310	ug/Kg
2-Chloronaphthalene	<QL		7310	14600	ug/Kg
2-Chlorophenol	<QL		2920	7310	ug/Kg
2-Methylnaphthalene	<QL		2920	7310	ug/Kg

King County Environmental Lab Analytical Report

Project: 421184EV
 Locator: WSS
 Descrip: CITY OF EVERETT LI
 Sample: L83736-9
 Matrix: SD SLUDGE
 ColDate: 4/29/24 15:00
 TotalSolid: 0.342

DRY Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
2-Methylphenol		<QL	2920	7310	ug/Kg
2-Nitrophenol		<QL	2920	7310	ug/Kg
3,3'-Dichlorobenzidine		<QL	14600	1460000	ug/Kg
3-,4-Methylphenol	49700		2920	7310	ug/Kg
3-Methylcholanthrene		<QL	2920	7310	ug/Kg
4,6-Dinitro-O-Cresol		<QL	7310	14600	ug/Kg
4-Bromophenyl Phenyl Ether		<QL	2920	7310	ug/Kg
4-Chloro-3-Methylphenol		<QL	2920	7310	ug/Kg
4-Chlorophenyl Phenyl Ether		<QL	2920	7310	ug/Kg
4-Nitrophenol		<QL	14600	29200	ug/Kg
Acenaphthene		<QL	2920	7310	ug/Kg
Acenaphthylene		<QL	2920	7310	ug/Kg
Anthracene		<QL	2920	7310	ug/Kg
Benzidine		<QL,JG	14600	1460000	ug/Kg
Benzo(a)anthracene		<QL	2920	7310	ug/Kg
Benzo(a)pyrene		<QL	2920	7310	ug/Kg
Benzo(b,j,k)fluoranthene		<QL	2920	7310	ug/Kg
Benzo(g,h,i)perylene		<QL	2920	7310	ug/Kg
Benzo(r,s,t)pentaphene		<QL	14600	29200	ug/Kg
Benzoic Acid	64300	<QL,J	29200	292000	ug/Kg
Benzyl Alcohol		<QL	7310	14600	ug/Kg
Benzyl Butyl Phthalate		<QL	2920	7310	ug/Kg
Bis(2-chloro-1-methylethyl) ether		<QL	2920	7310	ug/Kg
Bis(2-Chloroethoxy)Methane		<QL	2920	7310	ug/Kg
Bis(2-Chloroethyl)Ether		<QL	2920	7310	ug/Kg
Bis(2-Ethylhexyl)Phthalate	316000		2920	7310	ug/Kg
Carbazole		<QL	2920	14600	ug/Kg
Chrysene		<QL	2920	7310	ug/Kg
Dibenzo(a,e)pyrene		<QL	14600	29200	ug/Kg
Dibenzo(a,h)acridine		<QL	2920	7310	ug/Kg
Dibenzo(a,h)anthracene		<QL	2920	7310	ug/Kg
Dibenzo(a,h)pyrene		<QL	14600	29200	ug/Kg
Dibenzo(a,j)acridine		<QL	2920	7310	ug/Kg
Dibenzofuran		<QL	2920	7310	ug/Kg
Diethyl Phthalate		<QL	2920	73100	ug/Kg
Dimethyl Phthalate		<QL	2920	7310	ug/Kg
Di-N-Butyl Phthalate		<QL	2920	14600	ug/Kg
Di-N-Octyl Phthalate		<QL	2920	7310	ug/Kg
Fluoranthene		<QL	2920	7310	ug/Kg
Fluorene		<QL	2920	7310	ug/Kg
Hexachlorobenzene		<QL	2920	7310	ug/Kg
Hexachlorobutadiene		<QL	2920	7310	ug/Kg
Hexachlorocyclopentadiene		<QL	2920	7310	ug/Kg
Hexachloroethane		<QL	2920	7310	ug/Kg
Indeno(1,2,3-Cd)Pyrene		<QL	2920	7310	ug/Kg
Isophorone		<QL	2920	7310	ug/Kg
Naphthalene		<QL	2920	7310	ug/Kg
n-Decane		<QL	7310	14600	ug/Kg

King County Environmental Lab Analytical Report

Project: 421184EV
 Locator: WSS
 Descrip: CITY OF EVERETT LI
 Sample: L83736-9
 Matrix: SD SLUDGE
 ColDate: 4/29/24 15:00
 TotalSolid: 0.342

DRY Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
Nitrobenzene		<QL	2920	7310	ug/Kg
N-Nitrosodimethylamine		<QL	7310	14600	ug/Kg
N-Nitrosodi-N-Propylamine		<QL	2920	7310	ug/Kg
N-Nitrosodiphenylamine		<QL	2920	7310	ug/Kg
n-Octadecane		<QL	2920	7310	ug/Kg
Pentachlorophenol		<QL	7310	14600	ug/Kg
Perylene		<QL	2920	7310	ug/Kg
Phenanthrene		<QL	2920	7310	ug/Kg
Phenol	15000		2920	7310	ug/Kg
Pyrene		<QL	2920	7310	ug/Kg
OR SW846 5035A*SW846 8260D					
1,1,1-Trichloroethane		<QL	730	1460	ug/Kg
1,1,2,2-Tetrachloroethane		<QL	1500	7310	ug/Kg
1,1,2-Trichloroethane		<QL	1500	1500	ug/Kg
1,1,2-Trichloroethylene		<QL	730	1460	ug/Kg
1,1-Dichloroethane		<QL	1500	1500	ug/Kg
1,1-Dichloroethylene		<QL	1500	7310	ug/Kg
1,2-Dibromoethane		<QL	3800	7310	ug/Kg
1,2-Dichloroethane		<QL	730	1460	ug/Kg
1,2-Dichloropropane		<QL	1500	1500	ug/Kg
2-Butanone (MEK)		<QL	15000	29200	ug/Kg
2-Chloroethylvinyl ether		<QL	15000	29200	ug/Kg
2-Hexanone		<QL	7300	14600	ug/Kg
4-Methyl-2-Pentanone (MIBK)		<QL	15000	29200	ug/Kg
Acetone		<QL	7300	14600	ug/Kg
Acrolein		<QL	7300	7310	ug/Kg
Acrylonitrile		<QL	7300	7310	ug/Kg
Benzene		<QL	730	1460	ug/Kg
Bromodichloromethane		<QL	3800	7310	ug/Kg
Bromoform		<QL	15000	29200	ug/Kg
Bromomethane		<QL	3800	7310	ug/Kg
Carbon Disulfide		<QL	730	1460	ug/Kg
Carbon Tetrachloride		<QL	730	1460	ug/Kg
Chlorobenzene		<QL	730	1460	ug/Kg
Chlorodibromomethane		<QL	7300	14600	ug/Kg
Chloroethane		<QL	3800	7310	ug/Kg
Chloroform		<QL	730	1460	ug/Kg
Chloromethane		<QL	3800	7310	ug/Kg
Cis-1,2-Dichloroethylene		<QL	730	1460	ug/Kg
Cis-1,3-Dichloropropene		<QL	15000	29200	ug/Kg
Ethylbenzene		<QL	730	1460	ug/Kg
M/P Xylenes		<QL	1500	2920	ug/Kg
Methylene Chloride		<QL	7300	14600	ug/Kg
Methyl-t-butyl Ether (MTBE)		<QL	1500	1500	ug/Kg
O-Xylene		<QL	730	1460	ug/Kg
Styrene		<QL	3800	7310	ug/Kg
Tetrachloroethylene		<QL	730	1460	ug/Kg
Toluene		<QL	730	1460	ug/Kg

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: WSS
Descrip: CITY OF EVERETT LI
Sample: L83736-9
Matrix: SD SLUDGE
ColDate: 4/29/24 15:00
TotalSolid: 0.342

DRY Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
Total Xylenes		<QL	1500	2920	ug/Kg
Trans-1,2-Dichloroethylene		<QL	730	1460	ug/Kg
Trans-1,3-Dichloropropene		<QL	15000	29200	ug/Kg
Trichlorofluoromethane		<QL	730	1460	ug/Kg
Vinyl Acetate		<QL	7300	14600	ug/Kg
Vinyl Chloride		<QL	730	1460	ug/Kg

* Not converted to dry weight basis

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Workgroup: WG193766 Total Solids

MB:WG193766-1 Matrix: OTHR SOLID Listtype:CVTOTS Method:SM2540-G Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Total Solids	0.005	0.01	%		<MDL

LT:WG193766-3 LD:WG193766-2 L83641-6 Matrix: SLUDGE Listtype:CVTOTS Method:SM2540-G Project:421185 Pkey:STD
(Lab Triplicate, Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	LT Value	RSD	Qual	Lab Limit
Total Solids	0.005	0.01	%	25.5	25.4	25.5	0		0--20

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Workgroup: WG193796 Chlorinated Pesticides

MB:WG193796-1 Matrix: OTHR SOLID Listtype:ORCLPEST-QL Method:SW846 3520C*SW846 8081B Project: Pkey:STD

(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Alpha-BHC	0.025	0.05	ug/Kg		<QL
Beta-BHC	0.025	0.05	ug/Kg		<QL
Delta-BHC	0.025	0.05	ug/Kg		<QL
Gamma-BHC (Lindane)	0.025	0.05	ug/Kg		<QL
Heptachlor	0.025	0.05	ug/Kg		<QL
Aldrin	0.025	0.05	ug/Kg		<QL
Heptachlor Epoxide	0.025	0.05	ug/Kg		<QL
Endosulfan I	0.025	0.05	ug/Kg		<QL
Dieldrin	0.025	0.05	ug/Kg		<QL
4,4'-DDE	0.025	0.05	ug/Kg		<QL
Endrin	0.025	0.05	ug/Kg		<QL
Endosulfan II	0.025	0.05	ug/Kg		<QL
4,4'-DDD	0.025	0.05	ug/Kg		<QL
Endrin Aldehyde	0.025	0.05	ug/Kg		<QL
Endosulfan Sulfate	0.025	0.05	ug/Kg		<QL
4,4'-DDT	0.025	0.05	ug/Kg		<QL
Methoxychlor	0.125	0.25	ug/Kg		<QL
trans-Chlordane	0.025	0.05	ug/Kg		<QL
Alpha-Chlordane	0.025	0.05	ug/Kg		<QL
Toxaphene	2.5	5	ug/Kg		<QL

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SBD:WG193796-3 SB:WG193796-2 MB:WG193796-1 Matrix: OTHR SOLID Listtype:ORCLPEST-QL Method:SW846 3520C*SW846 8081B Project: Pkey:STD
(Spiked Blank Duplicate, Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit	True Value	SBD Value	% Rec. Qual	RPD	Qual	Lab Limit
Alpha-BHC	0.05	0.05	ug/Kg	<QL	2	1.52	76	22--100	2	1.58	79	4		0--35
Beta-BHC	0.05	0.05	ug/Kg	<QL	2	1.61	80	49--107	2	1.71	86	6		0--35
Delta-BHC	0.05	0.05	ug/Kg	<QL	2	1.66	83	62--105	2	1.72	86	3		0--35
Gamma-BHC (Lindane)	0.05	0.05	ug/Kg	<QL	2	1.54	77	33--101	2	1.63	81	6		0--35
Heptachlor	0.05	0.05	ug/Kg	<QL	2	1.66	83	34--100	2	1.71	85	3		0--35
Aldrin	0.05	0.05	ug/Kg	<QL	2	1.5	75	33--100	2	1.56	78	4		0--35
Heptachlor Epoxide	0.05	0.05	ug/Kg	<QL	2	1.64	82	52--110	2	1.73	87	5		0--35
Endosulfan I	0.05	0.05	ug/Kg	<QL	2	1.58	79	30--103	2	1.67	84	6		0--35
Dieldrin	0.05	0.05	ug/Kg	<QL	2	1.73	86	64--113	2	1.77	88	2		0--35
4,4'-DDE	0.05	0.05	ug/Kg	<QL	2	1.68	84	67--111	2	1.74	87	3		0--35
Endrin	0.05	0.05	ug/Kg	<QL	2	1.8	90	65--115	2	1.88	94	5		0--35
Endosulfan II	0.05	0.05	ug/Kg	<QL	2	1.71	86	43--111	2	1.82	91	6		0--35
4,4'-DDD	0.05	0.05	ug/Kg	<QL	2	1.82	91	68--118	2	1.92	96	5		0--35
Endrin Aldehyde	0.05	0.05	ug/Kg	<QL	2	1.63	81	22--100	2	1.7	85	4		0--35
Endosulfan Sulfate	0.05	0.05	ug/Kg	<QL	2	1.71	85	56--114	2	1.77	88	4		0--35
4,4'-DDT	0.05	0.05	ug/Kg	<QL	2	1.76	88	71--117	2	1.85	92	5		0--35
Methoxychlor	0.25	0.25	ug/Kg	<QL	2	1.98	99	66--119	2	2.07	104	5		0--35
trans-Chlordane	0.05	0.05	ug/Kg	<QL	2	1.66	83	55--113	2	1.71	86	3		0--35
Alpha-Chlordane	0.05	0.05	ug/Kg	<QL	2	1.61	81	60--112	2	1.71	86	6		0--35

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MS:WG193796-4 L83736-9 Matrix: SLUDGE Listtype:ORCLPEST-QL Method:SW846 3520C*SW846 8081B Project:421184EV Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	True Value	MS Value	% Rec. Qual	Lab Limit
Alpha-BHC	0.05	0.05	ug/Kg	<QL	2	1.39	70	57--109
Beta-BHC	0.05	0.05	ug/Kg	<QL	2	1.51	75	64--110
Delta-BHC	0.05	0.05	ug/Kg	<QL	2	1.55	77	63--118
Gamma-BHC (Lindane)	0.05	0.05	ug/Kg	<QL	2	1.51	76	58--115
Heptachlor	0.05	0.05	ug/Kg	<QL	2	0.982	49 *	62--117
Aldrin	0.05	0.05	ug/Kg	<QL	2	0.729	36 *	52--117
Heptachlor Epoxide	0.05	0.05	ug/Kg	<QL	2	1.11	56 *	64--108
Endosulfan I	0.05	0.05	ug/Kg	<QL	2	1.1	55	20--125
Dieldrin	0.05	0.05	ug/Kg	<QL	2	1.16	58 *	65--116
4,4'-DDE	0.05	0.05	ug/Kg	<QL	2	0.82	41 *	68--115
Endrin	0.05	0.05	ug/Kg	<QL	2	1.28	64 *	65--141
Endosulfan II	0.05	0.05	ug/Kg	<QL	2	1.27	64	30--117
4,4'-DDD	0.05	0.05	ug/Kg	<QL	2	1.06	53 *	64--122
Endrin Aldehyde	0.05	0.05	ug/Kg	<QL	2	0.971	49	20--100
Endosulfan Sulfate	0.05	0.05	ug/Kg	<QL	2	1.5	75	44--120
4,4'-DDT	0.05	0.05	ug/Kg	<QL	2	0.903	45 *	55--123
Methoxychlor	0.25	0.25	ug/Kg	<QL	2	1.38	69	61--125
trans-Chlordane	0.05	0.05	ug/Kg	<QL	2	0.887	44 *	56--125
Alpha-Chlordane	0.05	0.05	ug/Kg	<QL	2	0.862	43 *	66--111

	2,4,5,6- Tetra	
	chloro m- xylene	Decachloro biphenyl
Surrogate: (Lab Limits)	20--134	47--122
L83736-9	51	48
WG193796-1	70	87
WG193796-2	69	85
WG193796-3	70	89
WG193796-4	48	52

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Workgroup: WG193797 PCBs

MB:WG193797-1 Matrix: OTHR SOLID Listtype:ORPCB-QL Method:SW846 3520C*SW846 8082A Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Aroclor 1016	0.125	0.25	ug/Kg		<QL
Aroclor 1221	0.375	0.75	ug/Kg		<QL
Aroclor 1232	0.375	0.75	ug/Kg		<QL
Aroclor 1242	0.125	0.25	ug/Kg		<QL
Aroclor 1248	0.125	0.25	ug/Kg		<QL
Aroclor 1254	0.125	0.25	ug/Kg		<QL
Aroclor 1260	0.125	0.25	ug/Kg		<QL
Total Aroclors	0.375	0.75	ug/Kg		<QL

SBD:WG193797-3 SB:WG193797-2 MB:WG193797-1 Matrix: OTHR SOLID Listtype:ORPCB-QL Method:SW846 3520C*SW846 8082A Project: Pkey:STD
(Spiked Blank Duplicate, Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit	True Value	SBD Value	% Rec. Qual	RPD	Qual	Lab Limit
Aroclor 1242	0.25	0.25	ug/Kg	<QL	20	16	80	38--100	20	17	85	6		0--35
Aroclor 1260	0.25	0.25	ug/Kg	<QL	20	17.8	89	70--109	20	18.6	93	5		0--35

MS:WG193797-4 L83736-9 Matrix: SLUDGE Listtype:ORPCB-QL Method:SW846 3520C*SW846 8082A Project:421184EV Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	True Value	MS Value	% Rec. Qual	Lab Limit
Aroclor 1242	1	1	ug/Kg	<QL	20	14	70	51--100
Aroclor 1260	1	1	ug/Kg	<QL	20	12.5	62	35--108

	2,4,5,6- Tetra chloro m- xylene	Decachloro biphenyl
Surrogate: (Lab Limits)	22--113	51--115
L83736-9	48	42 *
WG193797-1	65	89
WG193797-2	71	93
WG193797-3	74	93
WG193797-4	58	66

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Workgroup: WG193833 Semivolatiles

MB:WG193833-1 Matrix: OTHR SOLID Listtype:ORBNA-INT-QL Method:SW846 3520C*SW846 8270E Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
N-Nitrosodimethylamine	5	10	ug/Kg		<QL
Phenol	2	5	ug/Kg		<QL
Bis(2-Chloroethyl)Ether	2	5	ug/Kg		<QL
2-Chlorophenol	2	5	ug/Kg		<QL
n-Decane	5	10	ug/Kg		<QL
1,3-Dichlorobenzene	2	5	ug/Kg		<QL
1,4-Dichlorobenzene	2	5	ug/Kg		<QL
Benzyl Alcohol	5	10	ug/Kg		<QL
1,2-Dichlorobenzene	2	5	ug/Kg		<QL
2-Methylphenol	2	5	ug/Kg		<QL
Bis(2-chloro-1-methylethyl) ether	2	5	ug/Kg		<QL
3-,4-Methylphenol	2	5	ug/Kg		<QL
N-Nitrosodi-N-Propylamine	2	5	ug/Kg		<QL
Hexachloroethane	2	5	ug/Kg		<QL
Nitrobenzene	2	5	ug/Kg		<QL
Isophorone	2	5	ug/Kg		<QL
2-Nitrophenol	2	5	ug/Kg		<QL
2,4-Dimethylphenol	5	50	ug/Kg		<QL
Bis(2-Chloroethoxy)Methane	2	5	ug/Kg		<QL
Benzoic Acid	20	200	ug/Kg		<QL
2,4-Dichlorophenol	2	5	ug/Kg		<QL
1,2,4-Trichlorobenzene	2	5	ug/Kg		<QL
Naphthalene	2	5	ug/Kg		<QL
Hexachlorobutadiene	2	5	ug/Kg		<QL
4-Chloro-3-Methylphenol	2	5	ug/Kg		<QL
2-Methylnaphthalene	2	5	ug/Kg		<QL
1-Methylnaphthalene	2	5	ug/Kg		<QL
Hexachlorocyclopentadiene	2	5	ug/Kg		<QL
2,4,6-Trichlorophenol	2	5	ug/Kg		<QL
2-Chloronaphthalene	5	10	ug/Kg		<QL
Dimethyl Phthalate	2	5	ug/Kg		<QL
2,6-Dinitrotoluene	2	5	ug/Kg		<QL
Acenaphthylene	2	5	ug/Kg		<QL
Acenaphthene	2	5	ug/Kg		<QL
2,4-Dinitrophenol	10	100	ug/Kg		<QL
4-Nitrophenol	10	20	ug/Kg		<QL
Dibenzofuran	2	5	ug/Kg		<QL
2,4-Dinitrotoluene	5	10	ug/Kg		<QL
Diethyl Phthalate	2	50	ug/Kg		<QL
4-Chlorophenyl Phenyl Ether	2	5	ug/Kg		<QL
Fluorene	2	5	ug/Kg		<QL

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4,6-Dinitro-O-Cresol	5	10	ug/Kg	<QL
N-Nitrosodiphenylamine	2	5	ug/Kg	<QL
1,2-Diphenylhydrazine	2	5	ug/Kg	<QL
4-Bromophenyl Phenyl Ether	2	5	ug/Kg	<QL
Hexachlorobenzene	2	5	ug/Kg	<QL
Pentachlorophenol	5	10	ug/Kg	<QL
n-Octadecane	2	5	ug/Kg	<QL
Phenanthrene	2	5	ug/Kg	<QL
Anthracene	2	5	ug/Kg	<QL
Carbazole	2	10	ug/Kg	<QL
Di-N-Butyl Phthalate	2	10	ug/Kg	<QL
Fluoranthene	2	5	ug/Kg	<QL
Benzidine	10	1000	ug/Kg	<QL
Pyrene	2	5	ug/Kg	<QL
Benzyl Butyl Phthalate	2	5	ug/Kg	<QL
Benzo(a)anthracene	2	5	ug/Kg	<QL
3,3'-Dichlorobenzidine	10	1000	ug/Kg	<QL
Chrysene	2	5	ug/Kg	<QL
Bis(2-Ethylhexyl)Phthalate	2	5	ug/Kg	35.5 B
Di-N-Octyl Phthalate	2	5	ug/Kg	<QL
Benzo(b,j,k)fluoranthene	2	5	ug/Kg	<QL
Benzo(a)pyrene	2	5	ug/Kg	<QL
Perylene	2	5	ug/Kg	<QL
3-Methylcholanthrene	2	5	ug/Kg	<QL
Dibenzo(a,h)acridine	2	5	ug/Kg	<QL
Dibenzo(a,j)acridine	2	5	ug/Kg	<QL
Indeno(1,2,3-Cd)Pyrene	2	5	ug/Kg	<QL
Dibenzo(a,h)anthracene	2	5	ug/Kg	<QL
Benzo(g,h,i)perylene	2	5	ug/Kg	<QL
Dibenzo(a,e)pyrene	10	20	ug/Kg	<QL
Benzo(r,s,t)pentaphene	10	20	ug/Kg	<QL
Dibenzo(a,h)pyrene	10	20	ug/Kg	<QL

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SBD:WG193833-3 SB:WG193833-2 MB:WG193833-1 Matrix: OTHR SOLID Listtype:ORBNA-INT-QL Method:SW846 3520C*SW846 8270E Project: Pkey:STD
(Spiked Blank Duplicate, Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit	True Value	SBD Value	% Rec. Qual	RPD	Qual	Lab Limit
N-Nitrosodimethylamine	5	10	ug/Kg	<QL	250	197	79	36--128	250	201	81	2		0--35
Phenol	2	5	ug/Kg	<QL	250	202	81	48--131	250	211	84	4		0--35
Bis(2-Chloroethyl)Ether	2	5	ug/Kg	<QL	250	199	80	41--115	250	207	83	4		0--35
2-Chlorophenol	2	5	ug/Kg	<QL	250	216	87	57--118	250	220	88	2		0--35
n-Decane	5	10	ug/Kg	<QL	250	160	64	20--91	250	174	70	9		0--35
1,3-Dichlorobenzene	2	5	ug/Kg	<QL	250	195	78	28--95	250	204	81	4		0--35
1,4-Dichlorobenzene	2	5	ug/Kg	<QL	250	191	76	28--95	250	197	79	3		0--35
Benzyl Alcohol	5	10	ug/Kg	<QL	250	215	86	27--125	250	223	89	4		0--35
1,2-Dichlorobenzene	2	5	ug/Kg	<QL	250	197	79	28--95	250	201	80	2		0--35
2-Methylphenol	2	5	ug/Kg	<QL	250	214	86	37--130	250	221	89	3		0--35
Bis(2-chloro-1-methylethyl) ether	2	5	ug/Kg	<QL	250	192	77	31--132	250	197	79	3		0--35
3-,4-Methylphenol	2	5	ug/Kg	<QL	250	221	88	30--131	250	231	92	4		0--35
N-Nitrosodi-N-Propylamine	2	5	ug/Kg	<QL	250	231	92	37--129	250	235	94	2		0--35
Hexachloroethane	2	5	ug/Kg	<QL	250	197	79	20--100	250	210	84	6		0--35
Nitrobenzene	2	5	ug/Kg	<QL	250	217	87	40--120	250	218	87	1		0--35
Isophorone	2	5	ug/Kg	<QL	250	215	86	36--127	250	217	87	1		0--35
2-Nitrophenol	2	5	ug/Kg	<QL	250	209	84	49--116	250	216	87	3		0--35
2,4-Dimethylphenol	5	50	ug/Kg	<QL	250	246	98	26--126	250	267	107	8		0--35
Bis(2-Chloroethoxy)Methane	2	5	ug/Kg	<QL	250	222	89	34--131	250	222	89	0		0--35
Benzoic Acid	20	200	ug/Kg	<QL	250	69.7	28	20--100	250	92.8	37	28		0--35
2,4-Dichlorophenol	2	5	ug/Kg	<QL	250	222	89	45--119	250	226	90	2		0--35
1,2,4-Trichlorobenzene	2	5	ug/Kg	<QL	250	202	81	28--95	250	203	81	0		0--35
Naphthalene	2	5	ug/Kg	<QL	250	202	81	50--110	250	203	81	1		0--35
Hexachlorobutadiene	2	5	ug/Kg	<QL	250	220	88	20--119	250	218	87	1		0--35
4-Chloro-3-Methylphenol	2	5	ug/Kg	<QL	250	233	93	49--122	250	240	96	3		0--35
2-Methylnaphthalene	2	5	ug/Kg	<QL	250	206	82	31--116	250	209	84	2		0--35
1-Methylnaphthalene	2	5	ug/Kg	<QL	250	222	89	31--116	250	225	90	1		0--35
Hexachlorocyclopentadiene	2	5	ug/Kg	<QL	250	244	98 *	20--60	250	236	95 *	3		0--35
2,4,6-Trichlorophenol	2	5	ug/Kg	<QL	250	209	84	60--113	250	214	86	3		0--35
2-Chloronaphthalene	5	10	ug/Kg	<QL	250	215	86	45--113	250	223	89	4		0--35
Dimethyl Phthalate	2	5	ug/Kg	<QL	250	266	106	55--124	250	271	108	2		0--35
2,6-Dinitrotoluene	2	5	ug/Kg	<QL	250	278	111	60--117	250	284	114	2		0--35
Acenaphthylene	2	5	ug/Kg	<QL	250	236	94	61--115	250	238	95	1		0--35
Acenaphthene	2	5	ug/Kg	<QL	250	225	90	53--114	250	230	92	3		0--35
2,4-Dinitrophenol	10	100	ug/Kg	<QL	250	179	72	20--126	250	203	81	13		0--35
4-Nitrophenol	10	20	ug/Kg	<QL	250	259	104	50--121	250	266	106	3		0--35
Dibenzofuran	2	5	ug/Kg	<QL	250	239	96	56--118	250	239	96	0		0--35
2,4-Dinitrotoluene	5	10	ug/Kg	<QL	250	260	104	61--128	250	265	106	2		0--35
Diethyl Phthalate	2	50	ug/Kg	<QL	250	287	115	59--129	250	287	115	0		0--35
4-Chlorophenyl Phenyl Ether	2	5	ug/Kg	<QL	250	247	99	51--115	250	252	101	2		0--35
Fluorene	2	5	ug/Kg	<QL	250	261	104	53--118	250	265	106	1		0--35
4,6-Dinitro-O-Cresol	5	10	ug/Kg	<QL	250	188	75	26--138	250	199	79	6		0--35

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N-Nitrosodiphenylamine	2	5	ug/Kg	<QL	250	242	97	64--127	250	247	99	2	0--35
1,2-Diphenylhydrazine	2	5	ug/Kg	<QL	250	246	99	59--135	250	251	101	2	0--35
4-Bromophenyl Phenyl Ether	2	5	ug/Kg	<QL	250	259	104	66--122	250	267	107	3	0--35
Hexachlorobenzene	2	5	ug/Kg	<QL	250	261	104	61--126	250	269	108	3	0--35
Pentachlorophenol	5	10	ug/Kg	<QL	250	243	97	57--110	250	256	102	5	0--35
n-Octadecane	2	5	ug/Kg	<QL	250	226	90	61--122	250	230	92	2	0--35
Phenanthrene	2	5	ug/Kg	<QL	250	264	105	61--125	250	268	107	2	0--35
Anthracene	2	5	ug/Kg	<QL	250	255	102	63--129	250	261	104	2	0--35
Carbazole	2	10	ug/Kg	<QL	250	186	74	59--145	250	194	78	5	0--35
Di-N-Butyl Phthalate	2	10	ug/Kg	<QL	250	314	126	68--133	250	319	128	1	0--35
Fluoranthene	2	5	ug/Kg	<QL	250	272	109	67--136	250	280	112	3	0--35
Benzidine	10	1000	ug/Kg	<QL	600	13.2	2 *	20--142	600	34.3	6 *	89 *	0--35
Pyrene	2	5	ug/Kg	<QL	250	276	111	58--150	250	280	112	1	0--35
Benzyl Butyl Phthalate	2	5	ug/Kg	<QL	250	298	119	63--135	250	303	121	2	0--35
Benzo(a)anthracene	2	5	ug/Kg	<QL	250	265	106	62--148	250	271	108	2	0--35
3,3'-Dichlorobenzidine	10	1000	ug/Kg	<QL	600	570	95	20--150	600	614	102	8	0--35
Chrysene	2	5	ug/Kg	<QL	250	265	106	62--133	250	269	108	1	0--35
Bis(2-Ethylhexyl)Phthalate	2	5	ug/Kg	35.5	250	303	121	40--150	250	305	122	1	0--35
Di-N-Octyl Phthalate	2	5	ug/Kg	<QL	250	280	112	63--141	250	287	115	2	0--35
Benzo(b,j,k)fluoranthene	2	5	ug/Kg	<QL	750	848	113	66--142	750	869	116	2	0--35
Benzo(a)pyrene	2	5	ug/Kg	<QL	250	269	108	75--120	250	277	111	3	0--35
Perylene	2	5	ug/Kg	<QL	250	217	87	66--111	250	217	87	0	0--35
3-Methylcholanthrene	2	5	ug/Kg	<QL	250	217	87	39--100	250	221	88	2	0--35
Dibenzo(a,h)acridine	2	5	ug/Kg	<QL	250	261	104	32--135	250	266	106	2	0--35
Dibenzo(a,j)acridine	2	5	ug/Kg	<QL	250	216	86	28--139	250	237	95	9	0--35
Indeno(1,2,3-Cd)Pyrene	2	5	ug/Kg	<QL	250	269	107	67--146	250	274	110	2	0--35
Dibenzo(a,h)anthracene	2	5	ug/Kg	<QL	250	187	75	66--142	250	191	76	2	0--35
Benzo(g,h,i)perylene	2	5	ug/Kg	<QL	250	213	85	55--150	250	218	87	2	0--35
Dibenzo(a,e)pyrene	10	20	ug/Kg	<QL	250	227	91	50--150	250	227	91	0	0--35
Benzo(r,s,t)pentaphene	10	20	ug/Kg	<QL	250	244	98	43--150	250	249	100	2	0--35
Dibenzo(a,h)pyrene	10	20	ug/Kg	<QL	250	186	74	20--144	250	180	72	3	0--35

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MS:WG193833-4 L83736-9 Matrix: SLUDGE Listtype:ORBNA-INT-QL Method:SW846 3520C*SW846 8270E Project:421184EV Pkey:STD
(Matrix Spike)

Parameter	MDL	RDL	Units	SAMP Value	True Value	MS Value	% Rec. Qual	Lab Limit
N-Nitrosodimethylamine	25	50	ug/Kg	<QL	250	184	74	20--129
Phenol	10	25	ug/Kg	51.4	250	250	79	35--132
Bis(2-Chloroethyl)Ether	10	25	ug/Kg	<QL	250	210	84	20--146
2-Chlorophenol	10	25	ug/Kg	<QL	250	201	81	38--113
n-Decane	25	50	ug/Kg	<QL	250	132	53	20--92
1,3-Dichlorobenzene	10	25	ug/Kg	<QL	250	171	68	27--87
1,4-Dichlorobenzene	10	25	ug/Kg	<QL	250	170	68	27--87
Benzyl Alcohol	25	50	ug/Kg	<QL	250	212	85	33--120
1,2-Dichlorobenzene	10	25	ug/Kg	<QL	250	176	70	27--87
2-Methylphenol	10	25	ug/Kg	<QL	250	235	94	37--132
Bis(2-chloro-1-methylethyl) ether	10	25	ug/Kg	<QL	250	186	75	26--124
3-,4-Methylphenol	10	25	ug/Kg	170	250	420	100	39--138
N-Nitrosodi-N-Propylamine	10	25	ug/Kg	<QL	250	230	92	42--125
Hexachloroethane	10	25	ug/Kg	<QL	250	173	69	25--84
Nitrobenzene	10	25	ug/Kg	<QL	250	222	89	22--122
Isophorone	10	25	ug/Kg	<QL	250	225	90	30--122
2-Nitrophenol	10	25	ug/Kg	<QL	250	206	82	45--113
2,4-Dimethylphenol	25	250	ug/Kg	<QL	250	426	170 *	20--150
Bis(2-Chloroethoxy)Methane	10	25	ug/Kg	<QL	250	224	90	43--125
Benzoic Acid	100	1000	ug/Kg	220	250	725	202 *	20--150
2,4-Dichlorophenol	10	25	ug/Kg	<QL	250	228	91	42--149
1,2,4-Trichlorobenzene	10	25	ug/Kg	<QL	250	180	72	27--87
Naphthalene	10	25	ug/Kg	<QL	250	187	75	44--113
Hexachlorobutadiene	10	25	ug/Kg	<QL	250	180	72	21--107
4-Chloro-3-Methylphenol	10	25	ug/Kg	<QL	250	249	100	44--135
2-Methylnaphthalene	10	25	ug/Kg	<QL	250	182	73	28--124
1-Methylnaphthalene	10	25	ug/Kg	<QL	250	199	80	28--124
Hexachlorocyclopentadiene	10	25	ug/Kg	<QL	250	193	77	20--80
2,4,6-Trichlorophenol	10	25	ug/Kg	<QL	250	229	92	63--129
2-Chloronaphthalene	25	50	ug/Kg	<QL	250	203	81	51--110
Dimethyl Phthalate	10	25	ug/Kg	<QL	250	251	100	55--120
2,6-Dinitrotoluene	10	25	ug/Kg	<QL	250	260	104	64--114
Acenaphthylene	10	25	ug/Kg	<QL	250	226	90	59--118
Acenaphthene	10	25	ug/Kg	<QL	250	201	80	49--118
2,4-Dinitrophenol	50	500	ug/Kg	<QL	250	163	65	28--147
4-Nitrophenol	50	100	ug/Kg	<QL	250	259	104	31--147
Dibenzofuran	10	25	ug/Kg	<QL	250	218	87	56--118
2,4-Dinitrotoluene	25	50	ug/Kg	<QL	250	244	98	60--126
Diethyl Phthalate	10	250	ug/Kg	<QL	250	248	99	60--126
4-Chlorophenyl Phenyl Ether	10	25	ug/Kg	<QL	250	206	82	52--114
Fluorene	10	25	ug/Kg	<QL	250	222	89	56--115
4,6-Dinitro-O-Cresol	25	50	ug/Kg	<QL	250	180	72	21--145

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N-Nitrosodiphenylamine	10	25	ug/Kg	<QL	250	184	74	46--140
1,2-Diphenylhydrazine	10	25	ug/Kg	<QL	250	210	84	22--150
4-Bromophenyl Phenyl Ether	10	25	ug/Kg	<QL	250	212	85	59--129
Hexachlorobenzene	10	25	ug/Kg	<QL	250	206	82	54--128
Pentachlorophenol	25	50	ug/Kg	<QL	250	293	117	60--122
n-Octadecane	10	25	ug/Kg	<QL	250	185	74	46--145
Phenanthrene	10	25	ug/Kg	<QL	250	219	88	55--130
Anthracene	10	25	ug/Kg	<QL	250	208	83	58--132
Carbazole	10	50	ug/Kg	<QL	250	235	94	58--147
Di-N-Butyl Phthalate	10	50	ug/Kg	<QL	250	281	112	64--135
Fluoranthene	10	25	ug/Kg	<QL	250	217	87	54--146
Benzidine	50	5000	ug/Kg	<QL	750	<QL	0 *	20--136
Pyrene	10	25	ug/Kg	<QL	250	243	97	56--150
Benzyl Butyl Phthalate	10	25	ug/Kg	<QL	250	250	100	62--141
Benzo(a)anthracene	10	25	ug/Kg	<QL	250	208	83	53--150
3,3'-Dichlorobenzidine	50	5000	ug/Kg	<QL	750	212	28	20--150
Chrysene	10	25	ug/Kg	<QL	250	227	91	52--141
Bis(2-Ethylhexyl)Phthalate	10	25	ug/Kg	1080	250	328	-302 *	52--150
Di-N-Octyl Phthalate	10	25	ug/Kg	<QL	250	232	93	72--140
Benzo(b,j,k)fluoranthene	10	25	ug/Kg	<QL	750	651	87	63--143
Benzo(a)pyrene	10	25	ug/Kg	<QL	250	215	86	74--120
Perylene	10	25	ug/Kg	<QL	250	174	70 *	72--102
3-Methylcholanthrene	10	25	ug/Kg	<QL	250	196	78	50--98
Dibenzo(a,h)acridine	10	25	ug/Kg	<QL	250	206	82	39--150
Dibenzo(a,j)acridine	10	25	ug/Kg	<QL	250	201	80	50--135
Indeno(1,2,3-Cd)Pyrene	10	25	ug/Kg	<QL	250	184	74	51--150
Dibenzo(a,h)anthracene	10	25	ug/Kg	<QL	250	144	58	48--150
Benzo(g,h,i)perylene	10	25	ug/Kg	<QL	250	177	71	36--150
Dibenzo(a,e)pyrene	50	100	ug/Kg	<QL	250	182	73	20--136
Benzo(r,s,t)pentaphene	50	100	ug/Kg	<QL	250	208	83	20--136
Dibenzo(a,h)pyrene	50	100	ug/Kg	<QL	250	164	66	20--90

	2,4,6-						
Surrogate:	Tribromo	2-Fluoro	2-Fluoro	d14-Ter	d4-2-Chloro	d5-Nitro	
(Lab Limits)	phenol	biphenyl	phenol	phenyl	phenol	benzene	d5-Phenol
	20--165	22--135	20--120	45--150	13--101	16--103	20--119
L83736-9	88	47	65	89	72	77	72
WG193833-1	67	74	79	121	84	86	82
WG193833-2	92	69	75	117	81	79	78
WG193833-3	93	71	77	118	83	79	80
WG193833-4	89	79	68	104	76	80	75

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Workgroup: WG193933 Volatiles

MB:WG193933-1 Matrix: OTHR SOLID Listtype:ORVOAGCMS-QL Method:SW846 5035A*SW846 8260D Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chloromethane	2.5	5	ug/Kg		<QL
Vinyl Chloride	0.5	1	ug/Kg		<QL
Bromomethane	2.5	5	ug/Kg		<QL
Chloroethane	2.5	5	ug/Kg		<QL
Trichlorofluoromethane	0.5	1	ug/Kg		<QL
Acrolein	5	5	ug/Kg		<QL
Acetone	5	10	ug/Kg		<QL
1,1-Dichloroethylene	1	5	ug/Kg		<QL
Acrylonitrile	5	5	ug/Kg		<QL
Methylene Chloride	5	10	ug/Kg		<QL
Carbon Disulfide	0.5	1	ug/Kg		<QL
Trans-1,2-Dichloroethylene	0.5	1	ug/Kg		<QL
Cis-1,2-Dichloroethylene	0.5	1	ug/Kg		<QL
Methyl-t-butyl Ether (MTBE)	1	1	ug/Kg		<QL
1,1-Dichloroethane	1	1	ug/Kg		<QL
Vinyl Acetate	5	10	ug/Kg		<QL
2-Butanone (MEK)	10	20	ug/Kg		<QL
Chloroform	0.5	1	ug/Kg		<QL
1,2-Dichloroethane	0.5	1	ug/Kg		<QL
1,1,1-Trichloroethane	0.5	1	ug/Kg		<QL
Carbon Tetrachloride	0.5	1	ug/Kg		<QL
Benzene	0.5	1	ug/Kg		<QL
1,2-Dichloropropane	1	1	ug/Kg		<QL
1,1,2-Trichloroethylene	0.5	1	ug/Kg		<QL
Bromodichloromethane	2.5	5	ug/Kg		<QL
2-Chloroethylvinyl ether	10	20	ug/Kg		<QL
Cis-1,3-Dichloropropene	10	20	ug/Kg		<QL
4-Methyl-2-Pentanone (MIBK)	10	20	ug/Kg		<QL
Trans-1,3-Dichloropropene	10	20	ug/Kg		<QL
1,1,2-Trichloroethane	1	1	ug/Kg		<QL
Toluene	0.5	1	ug/Kg		<QL
Chlorodibromomethane	5	10	ug/Kg		<QL
2-Hexanone	5	10	ug/Kg		<QL
1,2-Dibromoethane	2.5	5	ug/Kg		<QL
Tetrachloroethylene	0.5	1	ug/Kg		<QL
Chlorobenzene	0.5	1	ug/Kg		<QL
Ethylbenzene	0.5	1	ug/Kg		<QL
Bromoform	10	20	ug/Kg		<QL
M/P Xylenes	1	2	ug/Kg		<QL
Styrene	2.5	5	ug/Kg		<QL
1,1,2,2-Tetrachloroethane	1	5	ug/Kg		<QL

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O-Xylene 0.5 1 ug/Kg <QL
Total Xylenes 1 2 ug/Kg <QL

SBD:WG193933-3 SB:WG193933-2 MB:WG193933-1 Matrix: OTHR SOLID Listtype:ORVOAGCMS-QL Method:SW846 5035A*SW846 8260D Project: Pkey:STD
(Spiked Blank Duplicate, Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit	True Value	SBD Value	% Rec. Qual	RPD	Qual	Lab Limit
Chloromethane	2.5	5	ug/Kg	<QL	50	51	102	80--120	50	46.3	93	10		0--35
Vinyl Chloride	0.5	1	ug/Kg	<QL	50	44.9	90	80--120	50	40.8	82	10		0--35
Bromomethane	2.5	5	ug/Kg	<QL	50	50.3	101	80--120	50	46.3	93	8		0--35
Chloroethane	2.5	5	ug/Kg	<QL	50	49.6	99	80--120	50	46.3	93	7		0--35
Trichlorofluoromethane	0.5	1	ug/Kg	<QL	50	45.5	91	80--120	50	40.9	82	11		0--35
Acrolein	5	5	ug/Kg	<QL	50	48.9	98	80--120	50	47.3	95	3		0--35
Acetone	5	10	ug/Kg	<QL	50	56.8	114	80--120	50	54.6	109	4		0--35
1,1-Dichloroethylene	1	5	ug/Kg	<QL	50	48.4	97	80--120	50	44.4	89	9		0--35
Acrylonitrile	5	5	ug/Kg	<QL	50	58.8	118	80--120	50	55.4	111	6		0--35
Methylene Chloride	5	10	ug/Kg	<QL	50	53.9	108	80--120	50	49.5	99	8		0--35
Carbon Disulfide	0.5	1	ug/Kg	<QL	50	48.6	97	80--120	50	43.2	86	12		0--35
Trans-1,2-Dichloroethylene	0.5	1	ug/Kg	<QL	50	48.8	98	80--120	50	45.9	92	6		0--35
Cis-1,2-Dichloroethylene	0.5	1	ug/Kg	<QL	50	56.1	112	80--120	50	49.8	100	12		0--35
Methyl-t-butyl Ether (MTBE)	1	1	ug/Kg	<QL	50	59.1	118	80--120	50	54	108	9		0--35
1,1-Dichloroethane	1	1	ug/Kg	<QL	50	53.9	108	80--120	50	49.9	100	8		0--35
Vinyl Acetate	5	10	ug/Kg	<QL	50	49.8	100	80--120	50	45.8	92	8		0--35
2-Butanone (MEK)	10	20	ug/Kg	<QL	50	58.2	116	80--120	50	56.7	113	3		0--35
Chloroform	0.5	1	ug/Kg	<QL	50	55.3	111	80--120	50	50	100	10		0--35
1,2-Dichloroethane	0.5	1	ug/Kg	<QL	50	58	116	80--120	50	52.1	104	11		0--35
1,1,1-Trichloroethane	0.5	1	ug/Kg	<QL	50	49.9	100	80--120	50	45.8	92	9		0--35
Carbon Tetrachloride	0.5	1	ug/Kg	<QL	50	46.1	92	80--120	50	42.4	85	8		0--35
Benzene	0.5	1	ug/Kg	<QL	50	53.8	108	80--120	50	49.7	99	8		0--35
1,2-Dichloropropane	1	1	ug/Kg	<QL	50	58.2	116	80--120	50	53.2	106	9		0--35
1,1,2-Trichloroethylene	0.5	1	ug/Kg	<QL	50	54.4	109	80--120	50	48.3	97	12		0--35
Bromodichloromethane	2.5	5	ug/Kg	<QL	50	58	116	80--120	50	52.7	105	10		0--35
2-Chloroethylvinyl ether	10	20	ug/Kg	<QL	50	52.4	105	80--120	50	49.9	100	5		0--35
Cis-1,3-Dichloropropene	10	20	ug/Kg	<QL	50	59.3	119	80--120	50	54.8	110	8		0--35
4-Methyl-2-Pentanone (MIBK)	10	20	ug/Kg	<QL	50	57	114	80--120	50	53.8	108	6		0--35
Trans-1,3-Dichloropropene	10	20	ug/Kg	<QL	50	53.7	107	80--120	50	49.4	99	8		0--35
1,1,2-Trichloroethane	1	1	ug/Kg	<QL	50	57.9	116	80--120	50	53.1	106	9		0--35
Toluene	0.5	1	ug/Kg	<QL	50	53.1	106	80--120	50	48.1	96	10		0--35
Chlorodibromomethane	5	10	ug/Kg	<QL	50	58.3	117	80--120	50	53.6	107	8		0--35
2-Hexanone	5	10	ug/Kg	<QL	50	56.7	113	80--120	50	53.9	108	5		0--35
1,2-Dibromoethane	2.5	5	ug/Kg	<QL	50	58.4	117	80--120	50	53.3	107	9		0--35
Tetrachloroethylene	0.5	1	ug/Kg	<QL	50	73.1	146 *	80--120	50	65	130 *	12		0--35
Chlorobenzene	0.5	1	ug/Kg	<QL	50	54.4	109	80--120	50	49.5	99	9		0--35
Ethylbenzene	0.5	1	ug/Kg	<QL	50	54.4	109	80--120	50	49.5	99	9		0--35
Bromoform	10	20	ug/Kg	<QL	50	59.8	120	80--120	50	55.6	111	7		0--35
M/P Xylenes	1	2	ug/Kg	<QL	100	106	106	80--120	100	96.3	96	10		0--35

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Styrene	2.5	5	ug/Kg	<QL	50	58.1	116	80--120	50	53	106	9	0--35
1,1,2,2-Tetrachloroethane	1	5	ug/Kg	<QL	50	54.7	109	80--120	50	51.1	102	7	0--35
O-Xylene	0.5	1	ug/Kg	<QL	50	55.3	111	80--120	50	50.2	100	10	0--35

MSD:WG193933-5 MS:WG193933-4 L83736-9 Matrix: SLUDGE Listtype:ORVOAGCMS-QL Method:SW846 5035A*SW846 8260D 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
Chloromethane	13	25	ug/Kg	<QL	250	245	98	20--140	250	227	91	8		0--35
Vinyl Chloride	2.5	5	ug/Kg	<QL	250	229	92	1--150	250	210	84	9		0--35
Bromomethane	13	25	ug/Kg	<QL	250	244	98	38--114	250	226	90	8		0--35
Chloroethane	13	25	ug/Kg	<QL	250	244	98	5--151	250	236	94	3		0--35
Trichlorofluoromethane	2.5	5	ug/Kg	<QL	250	231	92	12--136	250	216	86	7		0--35
Acrolein	25	25	ug/Kg	<QL	250	40.4	16	1--115	250	33.4	13	19		0--35
Acetone	25	50	ug/Kg	<QL	250	250	100	1--200	250	241	96	4		0--35
1,1-Dichloroethylene	5	25	ug/Kg	<QL	250	245	98	23--141	250	226	90	8		0--35
Acrylonitrile	25	25	ug/Kg	<QL	250	264	106	51--136	250	258	103	2		0--35
Methylene Chloride	25	50	ug/Kg	<QL	250	270	108	42--128	250	252	101	7		0--35
Carbon Disulfide	2.5	5	ug/Kg	<QL	250	233	93	9--134	250	214	85	9		0--35
Trans-1,2-Dichloroethylene	2.5	5	ug/Kg	<QL	250	260	104	37--125	250	239	95	9		0--35
Cis-1,2-Dichloroethylene	2.5	5	ug/Kg	<QL	250	279	112	50--150	250	262	105	6		0--35
Methyl-t-butyl Ether (MTBE)	5	5	ug/Kg	<QL	250	309	124	48--140	250	291	117	6		0--35
1,1-Dichloroethane	5	5	ug/Kg	<QL	250	278	111	42--126	250	258	103	8		0--35
Vinyl Acetate	25	50	ug/Kg	<QL	250	31	13	1--120	250	27	11	15		0--35
2-Butanone (MEK)	50	100	ug/Kg	<QL	250	249	100	10--200	250	234	94	6		0--35
Chloroform	2.5	5	ug/Kg	<QL	250	276	110	44--121	250	259	104	6		0--35
1,2-Dichloroethane	2.5	5	ug/Kg	<QL	250	295	118	45--124	250	277	111	6		0--35
1,1,1-Trichloroethane	2.5	5	ug/Kg	<QL	250	255	102	37--120	250	237	95	7		0--35
Carbon Tetrachloride	2.5	5	ug/Kg	<QL	250	240	96	27--127	250	221	88	8		0--35
Benzene	2.5	5	ug/Kg	<QL	250	271	108	40--123	250	253	101	7		0--35
1,2-Dichloropropane	5	5	ug/Kg	<QL	250	299	119	43--125	250	279	112	7		0--35
1,1,2-Trichloroethylene	2.5	5	ug/Kg	<QL	250	263	105	30--124	250	244	98	8		0--35
Bromodichloromethane	13	25	ug/Kg	<QL	250	303	121 *	37--117	250	281	112	8		0--35
2-Chloroethylvinyl ether	50	100	ug/Kg	<QL	250	275	110	1--200	250	267	107	3		0--35
Cis-1,3-Dichloropropene	50	100	ug/Kg	<QL	250	301	120	26--128	250	284	113	6		0--35
4-Methyl-2-Pentanone (MIBK)	50	100	ug/Kg	<QL	250	245	98	30--147	250	215	86	13		0--35
Trans-1,3-Dichloropropene	50	100	ug/Kg	<QL	250	281	112	40--119	250	250	100	12		0--35
1,1,2-Trichloroethane	5	5	ug/Kg	<QL	250	300	120	48--129	250	269	108	11		0--35
Toluene	2.5	5	ug/Kg	<QL	250	269	108	31--134	250	233	93	14		0--35
Chlorodibromomethane	25	50	ug/Kg	<QL	250	307	123 *	43--112	250	274	110	11		0--35
2-Hexanone	25	50	ug/Kg	<QL	250	209	83	21--152	250	183	73	13		0--35
1,2-Dibromoethane	13	25	ug/Kg	<QL	250	302	121	47--127	250	267	107	12		0--35
Tetrachloroethylene	2.5	5	ug/Kg	<QL	250	257	103	25--121	250	221	88	15		0--35
Chlorobenzene	2.5	5	ug/Kg	<QL	250	274	109	24--136	250	240	96	13		0--35
Ethylbenzene	2.5	5	ug/Kg	<QL	250	277	111	21--141	250	243	97	13		0--35
Bromoform	50	100	ug/Kg	<QL	250	310	124 *	39--107	250	278	111 *	11		0--35

King County Environmental Laboratory QC Report

M/P Xylenes	5	10	ug/Kg	<QL	500	538	108	18--141	500	474	95	13	0--35
Styrene	13	25	ug/Kg	<QL	250	291	116	14--139	250	256	102	13	0--35
1,1,2,2-Tetrachloroethane	5	25	ug/Kg	<QL	250	289	115	39--138	250	260	104	10	0--35
O-Xylene	2.5	5	ug/Kg	<QL	250	281	112	18--141	250	248	99	12	0--35

LD:WG193933-6 L83736-9 Matrix: SLUDGE Listtype:ORVOAGCMS-QL Method:SW846 5035A*SW846 8260D Project:421184EV Pkey:STD
(Lab Duplicate)

Parameter	MDL	RDL	Units	SAMP Value	LD Value	RPD	Qual	Lab Limit
Chloromethane	13	25	ug/Kg	<QL	<QL			0--35
Vinyl Chloride	2.5	5	ug/Kg	<QL	<QL			0--35
Bromomethane	13	25	ug/Kg	<QL	<QL			0--35
Chloroethane	13	25	ug/Kg	<QL	<QL			0--35
Trichlorofluoromethane	2.5	5	ug/Kg	<QL	<QL			0--35
Acrolein	25	25	ug/Kg	<QL	<QL			0--35
Acetone	25	50	ug/Kg	<QL	<QL			0--35
1,1-Dichloroethylene	5	25	ug/Kg	<QL	<QL			0--35
Acrylonitrile	25	25	ug/Kg	<QL	<QL			0--35
Methylene Chloride	25	50	ug/Kg	<QL	<QL			0--35
Carbon Disulfide	2.5	5	ug/Kg	<QL	<QL			0--35
Trans-1,2-Dichloroethylene	2.5	5	ug/Kg	<QL	<QL			0--35
Cis-1,2-Dichloroethylene	2.5	5	ug/Kg	<QL	<QL			0--35
Methyl-t-butyl Ether (MTBE)	5	5	ug/Kg	<QL	<QL			0--35
1,1-Dichloroethane	5	5	ug/Kg	<QL	<QL			0--35
Vinyl Acetate	25	50	ug/Kg	<QL	<QL			0--35
2-Butanone (MEK)	50	100	ug/Kg	<QL	<QL			0--35
Chloroform	2.5	5	ug/Kg	<QL	<QL			0--35
1,2-Dichloroethane	2.5	5	ug/Kg	<QL	<QL			0--35
1,1,1-Trichloroethane	2.5	5	ug/Kg	<QL	<QL			0--35
Carbon Tetrachloride	2.5	5	ug/Kg	<QL	<QL			0--35
Benzene	2.5	5	ug/Kg	<QL	<QL			0--35
1,2-Dichloropropane	5	5	ug/Kg	<QL	<QL			0--35
1,1,2-Trichloroethylene	2.5	5	ug/Kg	<QL	<QL			0--35
Bromodichloromethane	13	25	ug/Kg	<QL	<QL			0--35
2-Chloroethylvinyl ether	50	100	ug/Kg	<QL	<QL			0--35
Cis-1,3-Dichloropropene	50	100	ug/Kg	<QL	<QL			0--35
4-Methyl-2-Pentanone (MIBK)	50	100	ug/Kg	<QL	<QL			0--35
Trans-1,3-Dichloropropene	50	100	ug/Kg	<QL	<QL			0--35
1,1,2-Trichloroethane	5	5	ug/Kg	<QL	<QL			0--35
Toluene	2.5	5	ug/Kg	<QL	<QL			0--35
Chlorodibromomethane	25	50	ug/Kg	<QL	<QL			0--35
2-Hexanone	25	50	ug/Kg	<QL	<QL			0--35
1,2-Dibromoethane	13	25	ug/Kg	<QL	<QL			0--35
Tetrachloroethylene	2.5	5	ug/Kg	<QL	<QL			0--35
Chlorobenzene	2.5	5	ug/Kg	<QL	<QL			0--35
Ethylbenzene	2.5	5	ug/Kg	<QL	<QL			0--35

King County Environmental Laboratory QC Report

Bromoform	50	100	ug/Kg	<QL	<QL	0--35
M/P Xylenes	5	10	ug/Kg	<QL	<QL	0--35
Styrene	13	25	ug/Kg	<QL	<QL	0--35
1,1,2,2-Tetrachloroethane	5	25	ug/Kg	<QL	<QL	0--35
O-Xylene	2.5	5	ug/Kg	<QL	<QL	0--35
Total Xylenes	5	10	ug/Kg	<QL	<QL	0--35

	4-Bromo	d4-1,2-	
	fluoro	Dichloro	
Surrogate:	benzene	ethane	d8-Toluene
(Lab Limits)	79--124	79--124	85--115
L83736-9	99	116	99
WG193933-1	98	99	101
WG193933-2	99	105	99
WG193933-3	98	97	98
WG193933-4	98	108	97
WG193933-5	98	107	94
WG193933-6	102	106	101

Login: P83736
Project: 421184EV

Everett WWTP PP with liquid sludge *Resample*

FSU TC: _____
LPM: Susannah Rowles

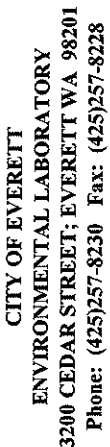
CHAIN OF CUSTODY

Relinquished by		Date	Time
Received by		Date	Time
Sample Numbers [All]			
Sample Number	P83736-1	P83736-2	P83736-3
QC Link			
Locator	FEN	FEN	SCE
Short Loc Desc	FEN	FEN	SCE
Locator Desc	CITY OF EVERETT EFFLUENT	CITY OF EVERETT EFFLUENT	CITY OF EVERETT EFFLUENT
Site	OTHER CITIES	OTHER CITIES	OTHER CITIES
Comments	24-hr composite	Grab samples - VOCs	24-hr composite
Start Date/Time			
End Date/Time			
Time Span			
Sample Depth			
Dept, Matrix, Prod (Cont ID)	7 LC BNA-INT; CLPEST; PCB (8)	7 LC VOA-GC/MS (65)	7 LC BNA-INT; CLPEST; PCB (8)

COC serves as receipt signature

Login: P83736		Everett WWTP PP with liquid sludge		FSU TC: _____	
Project: 421184EV				LPM: Susannah Rowles	
Sample Number	P83736-4	P83736-5	P83736-6		
QC Link					
Locator	SCE	PI	PI		
Short Loc Desc	SCE	PI	PI		
Locator Desc	CITY OF EVERETT EFFLUENT	CITY OF EVERETT INFLUENT	CITY OF EVERETT INFLUENT		
Site	OTHER CITIES	OTHER CITIES	OTHER CITIES		
Comments	Grab samples - VOCs	24-hr composite	Grab samples - VOCs		
Start Date/Time					
End Date/Time					
Time Span					
Sample Depth					
Dept, Matrix, Prod (Cont ID)	7 LC VOA-GC/MS (65)	7 LB BNA-INT; CLPEST; PCB (8)	7 LB VOA-GC/MS (65)		

Login: P83736		Everett WWTP PP with liquid sludge		FSU TC: _____	
Project: 421184EV				LPM: Susannah Rowles	
Sample Number	P83736-7	P83736-8	P83736-9		
QC Link					
Locator	TRIPBLANK	TRIPBLANK	WSS		
Short Loc Desc			WSS		
Locator Desc	TRIP BLANK	TRIP BLANK	CITY OF EVERETT LIQUID SLUDGE		
Site	METRO	METRO	OTHER CITIES		
Comments	VOC trip blanks	VOC trip blanks			
Start Date/Time					
End Date/Time					
Time Span					
Sample Depth					
Dept, Matrix, Prod (Cont ID)	7 LN VOA-GC/MS (65)	7 LN VOA-GC/MS (65)	3 SD TOTS (17) 7 SD BNA-INT-QL; CLPEST-QL; PCB-QL (24) 7 SD VOA-GC/MS-QL (18)		



PROJECT #
66267

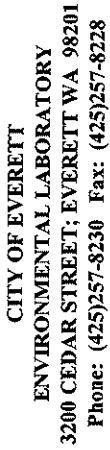
--INDICATE: LAB PERFORMING ANALYSIS / # OF CONTAINERS--

Relinquished:	<i>Amia Burgess</i>	Received:	<i>Tim Miller</i>	Date: 3-7-16	Time: 1116
Relinquished:	<i>Barbara</i>	Received:	<i>William Reese</i>	Date: 1/30/24	Time: 1116
Relinquished:		Received:		Date:	Time:

COMMENTS: FEN sites A-D to be composited on instrument.
SCE sites A-D to be composited on instrument.
FB Samples to be composited on instrument.
**VOA field blanks collected. Discard if not needed per lab discretion.*

83736 - 1/FEN
" - 2 1/4" A
" - 3 1/4" B
" - 1 1/4" C

**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.*



PROJECT #
66267

Analyses Requested

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

CHAIN OF CUSTODY

COMMENTS:

624 VOA analyses - PI sites A-D to be composited on instrument.

FB Samples to be composited on instrument

****WSS - One container for both 625/608**

*VOA field blanks collected. Discard if not needed per lab discretion.

**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 third parties upon their request pursuant to RCW Chap. 42.17.*

Login Number(s): 83736 (1-8)		Project No.: 42188EV		Sub-Contracting: Y/N	
Collect Date(s): 4/23/24, 30/2024		Receive Date: 4/30/24		Changes: Y/N	
FIELD PRESERVATION CHECKLIST (Circle and/or check applicable selections)					
CONDITION		Acceptable?	Comment ID	PRODUCT / Preservation	SM Action
Labels / Fieldsheets	Y/N	Y/N	Y/N	BNA / pH 6 - 9 w/ H ₂ SO ₄ or NaOH	✓ field sheet for F. pH
Container	Y/N	Y/N	Y/N	CN / pH > 12 w/ NaOH within 15 min	Check pH
Temperature (w/ ice)	Y/N/NA	Y/N/NA	Y/N/NA	NO23 pH < 2 w/ H ₂ SO ₄	Check pH
BOTTLE COUNT (#) AND DESCRIPTION AND SAMPLE NUMBERS		CR(VI) / TOTOR(VI) / pH 9.3 - 9.7 w/ NaOH w/in 15 min			
#	Bottle Description: Sample Numbers				
30	40 mL clear vial (VOA): 2, 4, 6, 7, 8				
60 mL clear glass (PHYTO):		ICP / HG-CVAA-M / pH < 2 w/ HNO ₃			
60 mL CWM HDPE:		O&G / HEM / PHENOL / pH < 2 w/ H ₂ SO ₄			
125 mL AWM HDPE:		PHYTOPLANKTON / Lugols			
125 mL CWM HDPE:		TKN / COD pH < 2 w/ H ₂ SO ₄ within 15 min			
125 mL CWM HDPE:		TOC / pH < 2 w/ HCl (NPDES only)			
125 mL CWM HDPE:		TOTSULFIDE / pH > 9 w/ NaOH, ZnAc			
125 mL GANN:		WDO / FIXED			
125 mL GANN w/HCl		Other:			
250 mL AWM HDPE:		Other:			
250 mL CWM HDPE:		ROUTINE SM PRESERVATION CHECKLIST (Circle and/or check applicable selections)			
250 mL CWM HDPE (MICRO):		PRODUCT / Preservation			
250 mL CWM HDPE (MICRO):		Chlorinated Pesticides / pH 5 - 9 w/ H ₂ SO ₄ or NaOH			
250 mL GAWM:		HG-CVAA-L-Teflon (T/D) / pH < 2 w/ ULTRA HCl			
250 mL GAWM w/ H ₂ SO ₄ :		ICPMS / HG-CVAA-M (T/D) / pH < 2 w/ ULTRA HNO ₃			
300 mL WDO (8 hour HT):		TOC / pH < 2 w/ HCl			
500 mL AWM HDPE:		Other:			
500 mL CWM HDPE:		Other:			
500 mL CWM PP (MICRO):		INTERFERENCE TEST (Circle and/or check applicable selections)			
500 mL HDPE (METALS):		Product / Interference (SM Action)			
500 mL HDPE, double-bagged (METALS):		BNA / Chlorine (Check documentation)			
500 mL Teflon (Hg):		CN / Chlorine (Check documentation)			
500 mL Teflon, double-bagged (METALS):		CN / Sulfide (Check field sheet for DF)			
500 mL GANN / GAWM:		VOA / Chlorine (Check documentation)			
500 mL Polystyrene Filtration Units (METALS):		Other:			
1L AWM HDPE:		HEADSPACE CHECK			
1L CWM HDPE:		PRODUCT (SM Action)			
1L CWM PP (MICRO):		MICRO (Visually inspect)			
1L GANN:		TOTSULFIDE (Visually inspect)			
1L GCWM:		VOA (Visually inspect)			
1L GAWM w/ H ₂ SO ₄ :		WDO (Visually inspect)			
2L CWM HDPE:		Other:			
Other: 1L New ANNA Glass w/ PP Case: 1315		FIELD FILTRATION CHECKLIST (Circle and/or check applicable selections)			
MVA 4/23/24 COMMENTS/NOTIFICATIONS		PRODUCT (SM Action)			
		ORTHOP (Check Field Sheet)			
		NO2 / NO3 / NO23 / NH3 / Si (Documentation)			
		Dissolved Metals (Check Field Sheet)			
		DOC (Deliver / Notify Unit)			
		PCOD / CR(VI) (Deliver / Notify Unit)			
		Other:			

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.

Date / Time Completed:

5-24 000

LOGIN NUMBER(S): 83236(9)		PROJECT NUMBER: 42684 EV		SUBCONTRACT: Y / N		Product(s):	
COLLECT DATE(S): 4/29/24		DATE RECEIVED: 4/30/24		CHANGES: Y / N		Parameter(s):	
SAMPLE RECEIPT CONDITIONS							
CONDITION		ACCEPTABLE?		Comment ID		PRESERVATION CHECKLIST	
Labels / Field Sheets		Y / N				Product / Preservation	
Containers		Y / N				SIM Action	
Temperature (w/ ice)		Y / N / NA				Zero documentation	
						Other:	
						Other:	
SAMPLE CONTAINER DESCRIPTION AND COUNT							
CONVENTIONALS		METALS		MICROBIOLOGY		ORGANICS	
#		#		#		#	
Sample No.		Sample No.		Sample No.		Sample No.	
3		1					
4oz PP CWM		4/30/24					
8oz PP CWM							
16oz PP CWM							
4oz GCWM							
8oz GCWM							
16oz GCWM							
2L GCWM							
Specimen Cup							
Other							
Other							



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

December 20, 2024

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

Dear Chris Merwede:

Enclosed are the results for the liquid samples received on April 30, 2024. The samples were assigned the following lab ID numbers:

L83736-1	FEN (24-hour autosampler composite)
L83736-2	FEN (lab composite of A, B, C and D grab samples)
L83736-3	SCE (24-hour autosampler composite)
L83736-4	SCE (lab composite of A, B, C and D grab samples)
L83736-5	PI (24-hour autosampler composite)
L83736-6	PI (lab composite of A, B, C and D grab samples)
L83736-7	TRIP BLANK (supplied by KC lab)
L83736-8	TRIP BLANK (supplied by KC lab)

Due to limited composite sample volume, an additional 24-hour autosampler composite was received May 2, 2024 and assigned the following lab ID number:

L83773-1	SCE (24-hour autosampler composite)
----------	-------------------------------------

Sample L83773-1 was used for the creation of matrix spike (MS) and matrix spike duplicate (MSD) QC samples.

The following data quality issues were noted during analysis of the liquid samples.

Volatiles:

- a. The recovery of **acrolein** from the MSD exceeded the lower laboratory control limit. The MSD relative percent difference (RPD) exceeded the laboratory control limit. Sample L83736-2 was used to prepare the MSD. Although **acrolein** was not detected in any samples, their method response may be biased low. The **acrolein** results for L83736-2 and -4 were qualified JG based on this exceedance due to their similar matrices.

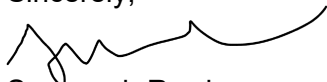
Semivolatiles:

- a. The recoveries of **hexachlorocyclopentadiene** and **pentachlorophenol** from the spike blank (SB) exceeded the upper laboratory control limits.
- b. The recoveries of **2,4-dimethylphenol**, **pentachlorophenol** from the MS/MSD exceeded the upper laboratory control limit; **4-nitrophenol**, **benzidine**, **3,3'-dichlorobenzidine** were not recovered from the MS/MSD.
- c. The recoveries of **dimethyl phthalate**, **2,6-dinitrotoluene**, **4-chlorophenyl phenyl ether** and **fluorene** from the MSD exceeded the upper laboratory control limit.
- d. The **3,3'-dichlorobenzidine**, **4-nitrophenol** and **benzidine** results for samples L83736-1,-3,-5 and L83773-1 were qualified JG based low recoveries from the SB and MS/MSD. Although these compounds were not detected in any sample, their method response may be biased low. The low recoveries are due, in part, to the procedures used to concentrate the sample in order to meet the detection and quantitation limits listed in Appendix A of the current NPDES permit.
- e. The **pentachlorophenol** results for samples L83736-3 and L83773-1 were qualified JL based on high recoveries from the SB and MS/MSD. Pentachlorophenol was detected in these samples and may be biased high.
- f. No other sample qualification was warranted.

The associated QC results are included with the report.

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
 Locator: FEN
 Descrip: CITY OF EVERETT EF
 Sample: L83736-1
 Matrix: LC EFFLUENT
 ColDate: 4/29/24 7:30
WET Weight Basis

Project: 421184EV
 Locator: SCE
 Descrip: CITY OF EVERETT EF
 Sample: L83736-3
 Matrix: LC EFFLUENT
 ColDate: 4/29/24 7:40
WET Weight Basis

Project: 421184EV
 Locator: PI
 Descrip: CITY OF EVERETT IN
 Sample: L83736-5
 Matrix: LB INFLUENT
 ColDate: 4/29/24 7:50
WET Weight Basis

Parameters OR EPA 608.3	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
4,4'-DDD		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
4,4'-DDE		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
4,4'-DDT		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Aldrin		<MDL	0.055	0.055	ug/L		<MDL	0.01	0.01	ug/L	0.035	<RDL	0.02	0.04	ug/L
Alpha-BHC	0.0088	<RDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Alpha-Chlordane		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Aroclor 1016		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Aroclor 1221		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Aroclor 1232		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Aroclor 1242		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Aroclor 1248		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Aroclor 1254		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Aroclor 1260		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Beta-BHC		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Delta-BHC		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Dieldrin		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Endosulfan I		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Endosulfan II		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Endosulfan Sulfate		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Endrin		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Endrin Aldehyde		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Gamma-BHC (Lindane)		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Heptachlor		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Heptachlor Epoxide		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
Methoxychlor		<MDL	0.025	0.05	ug/L		<MDL	0.025	0.05	ug/L		<MDL	0.1	0.2	ug/L
Total Aroclors		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L		<MDL	0.025	0.1	ug/L
Toxaphene		<MDL	0.1	0.5	ug/L		<MDL	0.1	0.5	ug/L		<MDL	0.4	2	ug/L
trans-Chlordane		<MDL	0.005	0.01	ug/L		<MDL	0.005	0.01	ug/L		<MDL	0.02	0.04	ug/L
OR EPA 625.1															
1,2,4-Trichlorobenzene		<MDL	0.38	0.625	ug/L		<MDL	0.077	0.129	ug/L		<MDL	1.5	2.5	ug/L
1,2-Diphenylhydrazine		<MDL	1.3	2.5	ug/L		<MDL	0.26	0.515	ug/L		<MDL	5	10	ug/L
1-Methylnaphthalene		<MDL	1	1.88	ug/L		<MDL	0.21	0.387	ug/L		<MDL	4	7.5	ug/L
2,4,6-Trichlorophenol		<MDL	2.5	5	ug/L		<MDL	0.52	1.03	ug/L		<MDL	10	20	ug/L
2,4-Dichlorophenol		<MDL	0.63	1.25	ug/L		<MDL	0.13	0.258	ug/L		<MDL	2.5	5	ug/L
2,4-Dimethylphenol		<MDL	0.63	1.25	ug/L		<MDL	0.13	0.258	ug/L		<MDL	2.5	5	ug/L
2,4-Dinitrophenol		<MDL	3.8	6.25	ug/L		<MDL	0.77	1.29	ug/L		<MDL	15	25	ug/L
2,4-Dinitrotoluene		<MDL	0.63	2.5	ug/L		<MDL	0.13	0.515	ug/L		<MDL	2.5	10	ug/L
2,6-Dinitrotoluene		<MDL	0.63	2.5	ug/L		<MDL	0.13	0.515	ug/L		<MDL	2.5	10	ug/L
2-Chloronaphthalene		<MDL	0.38	0.625	ug/L		<MDL	0.077	0.129	ug/L		<MDL	1.5	2.5	ug/L
2-Chlorophenol		<MDL	1.3	2.5	ug/L		<MDL	0.26	0.515	ug/L		<MDL	5	10	ug/L
2-Methylnaphthalene		<MDL	1	1.88	ug/L		<MDL	0.21	0.387	ug/L		<MDL	4	7.5	ug/L
2-Methylphenol		<MDL	0.63	1.25	ug/L		<MDL	0.13	0.258	ug/L		<MDL	2.5	5	ug/L
2-Nitrophenol		<MDL	0.63	1.25	ug/L		<MDL	0.13	0.258	ug/L		<MDL	2.5	5	ug/L
3,3'-Dichlorobenzidine		<MDL,JG	2.5	2.5	ug/L		<MDL,JG	0.515	0.515	ug/L		<MDL,JG	10	10	ug/L
3-,4-Methylphenol		<MDL	0.63	1.25	ug/L		<MDL	0.13	0.258	ug/L	74.7		2.5	5	ug/L
3-Methylcholanthrene		<MDL	2.5	10	ug/L		<MDL	0.52	2.06	ug/L		<MDL	10	40	ug/L
4,6-Dinitro-O-Cresol		<MDL	2.5	6.25	ug/L		<MDL	0.52	1.29	ug/L		<MDL	10	25	ug/L
4-Bromophenyl Phenyl Ether		<MDL	0.25	0.375	ug/L		<MDL	0.052	0.0773	ug/L		<MDL	1	1.5	ug/L

King County Environmental Lab Analytical Report

Project: 421184EV
 Locator: FEN
 Descrip: CITY OF EVERETT EF
 Sample: L83736-1
 Matrix: LC EFFLUENT
 ColDate: 4/29/24 7:30

WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
4-Chloro-3-Methylphenol		<MDL	1.3	2.5	ug/L
4-Chlorophenyl Phenyl Ether		<MDL	0.38	0.625	ug/L
4-Nitrophenol		<MDL,JG	2.5	6.25	ug/L
Acenaphthene		<MDL	0.25	0.5	ug/L
Acenaphthylene		<MDL	0.38	0.625	ug/L
Anthracene		<MDL	0.38	0.625	ug/L
Benzidine		<MDL,JG	37.5	113	ug/L
Benzo(a)anthracene		<MDL	0.38	0.625	ug/L
Benzo(a)pyrene		<MDL	0.63	1.25	ug/L
Benzo(b,j,k)fluoranthene		<MDL	1	1.88	ug/L
Benzo(g,h,i)perylene		<MDL	0.63	1.25	ug/L
Benzo(r,s,t)pentaphene		<MDL	3.1	12.5	ug/L
Benzoic Acid		<MDL	10	10	ug/L
Benzyl Alcohol		<MDL	0.63	1.25	ug/L
Benzyl Butyl Phthalate		<MDL	0.38	0.625	ug/L
Bis(2-chloro-1-methylethyl) ether		<MDL	1.3	2.5	ug/L
Bis(2-Chloroethoxy)Methane		<MDL	0.63	1.25	ug/L
Bis(2-Chloroethyl)Ether		<MDL	0.38	0.625	ug/L
Bis(2-Ethylhexyl)Phthalate	0.72	<RDL	0.63	2.5	ug/L
Carbazole		<MDL	0.63	1.25	ug/L
Chrysene		<MDL	0.38	0.625	ug/L
Dibenzo(a,e)pyrene		<MDL	3.1	12.5	ug/L
Dibenzo(a,h)acridine		<MDL	3.1	12.5	ug/L
Dibenzo(a,h)anthracene		<MDL	1	1.88	ug/L
Dibenzo(a,h)pyrene		<MDL	3.1	12.5	ug/L
Dibenzo(a,j)acridine		<MDL	3.1	12.5	ug/L
Dibenzofuran		<MDL	0.63	1.25	ug/L
Diethyl Phthalate	0.69	<RDL	0.63	1.25	ug/L
Dimethyl Phthalate		<MDL	0.25	0.375	ug/L
Di-N-Butyl Phthalate		<MDL	0.63	1.25	ug/L
Di-N-Octyl Phthalate		<MDL	0.38	0.625	ug/L
Fluoranthene		<MDL	0.38	0.75	ug/L
Fluorene		<MDL	0.38	0.625	ug/L
Hexachlorobenzene		<MDL	0.38	0.625	ug/L
Hexachlorobutadiene		<MDL	0.63	1.25	ug/L
Hexachlorocyclopentadiene		<MDL	2.5	6.25	ug/L
Hexachloroethane		<MDL	0.63	1.25	ug/L
Indeno(1,2,3-Cd)Pyrene		<MDL	0.63	1.25	ug/L
Isophorone		<MDL	0.63	1.25	ug/L
Naphthalene		<MDL	1	1.88	ug/L
n-Decane		<MDL	0.38	0.75	ug/L
Nitrobenzene		<MDL	0.63	1.25	ug/L
N-Nitrosodimethylamine		<MDL	2.5	3.75	ug/L
N-Nitrosodi-N-Propylamine		<MDL	0.63	1.25	ug/L
N-Nitrosodiphenylamine		<MDL	1.3	2.5	ug/L
n-Octadecane		<MDL	0.38	0.75	ug/L
Pentachlorophenol		<MDL	0.63	1.25	ug/L
Perylene		<MDL	0.63	1.25	ug/L
Phenanthrene		<MDL	0.38	0.625	ug/L

Project: 421184EV
 Locator: SCE
 Descrip: CITY OF EVERETT EF
 Sample: L83736-3
 Matrix: LC EFFLUENT
 ColDate: 4/29/24 7:40

WET Weight Basis

Value	Qual	MDL	RDL	Units
<MDL		0.26	0.515	ug/L
<MDL		0.077	0.129	ug/L
<MDL,JG		0.52	1.29	ug/L
<MDL		0.052	0.103	ug/L
<MDL		0.077	0.129	ug/L
<MDL		0.077	0.129	ug/L
<MDL,JG		7.73	23.2	ug/L
<MDL		0.077	0.129	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.21	0.387	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.64	2.58	ug/L
<MDL		2.06	2.06	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.077	0.129	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.26	0.515	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.077	0.129	ug/L
1.12		0.13	0.515	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.077	0.129	ug/L
<MDL		0.64	2.58	ug/L
<MDL		0.64	2.58	ug/L
<MDL		0.21	0.387	ug/L
<MDL		0.64	2.58	ug/L
<MDL		0.64	2.58	ug/L
<MDL		0.13	0.258	ug/L
0.15	<RDL	0.13	0.258	ug/L
<MDL		0.052	0.0773	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.077	0.129	ug/L
<MDL		0.077	0.155	ug/L
<MDL		0.077	0.129	ug/L
<MDL		0.077	0.129	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.21	0.387	ug/L
<MDL		0.077	0.155	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.26	0.515	ug/L
<MDL		0.077	0.155	ug/L
0.19	<RDL,JL	0.13	0.258	ug/L
<MDL		0.13	0.258	ug/L
<MDL		0.077	0.129	ug/L

Project: 421184EV
 Locator: PI
 Descrip: CITY OF EVERETT IN
 Sample: L83736-5
 Matrix: LB INFLUENT
 ColDate: 4/29/24 7:50

WET Weight Basis

Value	Qual	MDL	RDL	Units
<MDL		5	10	ug/L
<MDL		1.5	2.5	ug/L
<MDL,JG		10	25	ug/L
<MDL		1	2	ug/L
<MDL		1.5	2.5	ug/L
<MDL		1.5	2.5	ug/L
<MDL,JG		150	450	ug/L
<MDL		1.5	2.5	ug/L
<MDL		2.5	5	ug/L
<MDL		4	7.5	ug/L
<MDL		2.5	5	ug/L
<MDL		13	50	ug/L
146		40	40	ug/L
25		2.5	5	ug/L
<MDL		1.5	2.5	ug/L
<MDL		5	10	ug/L
<MDL		2.5	5	ug/L
<MDL		1.5	2.5	ug/L
8	<RDL	2.5	10	ug/L
<MDL		2.5	5	ug/L
<MDL		1.5	2.5	ug/L
<MDL		13	50	ug/L
<MDL		13	50	ug/L
<MDL		13	50	ug/L
<MDL		13	50	ug/L
<MDL		2.5	5	ug/L
4	<RDL	2.5	5	ug/L
<MDL		1	1.5	ug/L
<MDL		2.5	5	ug/L
7.11		1.5	2.5	ug/L
<MDL		1.5	3	ug/L
<MDL		1.5	2.5	ug/L
<MDL		1.5	2.5	ug/L
<MDL		2.5	5	ug/L
<MDL		2.5	5	ug/L
<MDL		10	15	ug/L
<MDL		2.5	5	ug/L
<MDL		5	10	ug/L
<MDL		1.5	3	ug/L
<MDL		2.5	5	ug/L
<MDL		2.5	5	ug/L
<MDL		1.5	2.5	ug/L

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: FEN
Descrip: CITY OF EVERETT EF
Sample: L83736-1
Matrix: LC EFFLUENT
ColDate: 4/29/24 7:30

WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
Phenol		<MDL	2.5	3.75	ug/L
Pyrene		<MDL	0.38	0.625	ug/L

< MDL = less than the method detection limit

< RDL = less than the reporting detection limit

JG = the reported result is an estimated value with a probable low bias

JL = the reported result is an estimated value with a probable high bias

Project: 421184EV
Locator: SCE
Descrip: CITY OF EVERETT EF
Sample: L83736-3
Matrix: LC EFFLUENT
ColDate: 4/29/24 7:40

WET Weight Basis

Value	Qual	MDL	RDL	Units
<MDL		0.52	0.773	ug/L
<MDL		0.077	0.129	ug/L

Project: 421184EV
Locator: PI
Descrip: CITY OF EVERETT IN
Sample: L83736-5
Matrix: LB INFLUENT
ColDate: 4/29/24 7:50

WET Weight Basis

Value	Qual	MDL	RDL	Units
74.9		10	15	ug/L
<MDL		1.5	2.5	ug/L

King County Environmental Lab Analytical Report

Project: 421184EV
 Locator: SCE
 Descrip: CITY OF EVERETT EF
 Sample: L83773-1
 Matrix: LC EFFLUENT
 ColDate: 5/1/24 7:30

WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
OR EPA 608.3					
4,4'-DDD		<MDL	0.005	0.01	ug/L
4,4'-DDE		<MDL	0.005	0.01	ug/L
4,4'-DDT		<MDL	0.005	0.01	ug/L
Aldrin		<MDL	0.03	0.03	ug/L
Alpha-BHC		<MDL	0.005	0.01	ug/L
Alpha-Chlordane		<MDL	0.005	0.01	ug/L
Aroclor 1016		<MDL	0.025	0.1	ug/L
Aroclor 1221		<MDL	0.025	0.1	ug/L
Aroclor 1232		<MDL	0.025	0.1	ug/L
Aroclor 1242		<MDL	0.025	0.1	ug/L
Aroclor 1248		<MDL	0.025	0.1	ug/L
Aroclor 1254		<MDL	0.025	0.1	ug/L
Aroclor 1260		<MDL	0.025	0.1	ug/L
Beta-BHC		<MDL	0.005	0.01	ug/L
Delta-BHC		<MDL	0.005	0.01	ug/L
Dieldrin		<MDL	0.005	0.01	ug/L
Endosulfan I		<MDL	0.005	0.01	ug/L
Endosulfan II		<MDL	0.005	0.01	ug/L
Endosulfan Sulfate		<MDL	0.005	0.01	ug/L
Endrin		<MDL	0.005	0.01	ug/L
Endrin Aldehyde		<MDL	0.005	0.01	ug/L
Gamma-BHC (Lindane)		<MDL	0.005	0.01	ug/L
Heptachlor		<MDL	0.005	0.01	ug/L
Heptachlor Epoxide		<MDL	0.005	0.01	ug/L
Methoxychlor		<MDL	0.025	0.05	ug/L
Total Aroclors		<MDL	0.025	0.1	ug/L
Toxaphene		<MDL	0.1	0.5	ug/L
trans-Chlordane		<MDL	0.005	0.01	ug/L
OR EPA 625.1					
1,2,4-Trichlorobenzene		<MDL	0.077	0.129	ug/L
1,2-Diphenylhydrazine		<MDL	0.26	0.515	ug/L
1-Methylnaphthalene		<MDL	0.21	0.387	ug/L
2,4,6-Trichlorophenol		<MDL	0.52	1.03	ug/L
2,4-Dichlorophenol	0.287		0.13	0.258	ug/L
2,4-Dimethylphenol		<MDL	0.13	0.258	ug/L
2,4-Dinitrophenol		<MDL	0.77	1.29	ug/L
2,4-Dinitrotoluene		<MDL	0.13	0.515	ug/L
2,6-Dinitrotoluene		<MDL	0.13	0.515	ug/L
2-Chloronaphthalene		<MDL	0.077	0.129	ug/L
2-Chlorophenol		<MDL	0.26	0.515	ug/L
2-Methylnaphthalene		<MDL	0.21	0.387	ug/L
2-Methylphenol		<MDL	0.13	0.258	ug/L
2-Nitrophenol		<MDL	0.13	0.258	ug/L
3,3'-Dichlorobenzidine		<MDL, JG	0.515	0.515	ug/L
3-,4-Methylphenol		<MDL	0.13	0.258	ug/L
3-Methylcholanthrene		<MDL	0.52	2.06	ug/L
4,6-Dinitro-O-Cresol		<MDL	0.52	1.29	ug/L
4-Bromophenyl Phenyl Ether		<MDL	0.052	0.0773	ug/L

King County Environmental Lab Analytical Report

Project: 421184EV
 Locator: SCE
 Descrip: CITY OF EVERETT EF
 Sample: L83773-1
 Matrix: LC EFFLUENT
 ColDate: 5/1/24 7:30

WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
4-Chloro-3-Methylphenol		<MDL	0.26	0.515	ug/L
4-Chlorophenyl Phenyl Ether		<MDL	0.077	0.129	ug/L
4-Nitrophenol		<MDL,JG	0.52	1.29	ug/L
Acenaphthene		<MDL	0.052	0.103	ug/L
Acenaphthylene		<MDL	0.077	0.129	ug/L
Anthracene		<MDL	0.077	0.129	ug/L
Benzidine		<MDL,JG	7.73	23.2	ug/L
Benzo(a)anthracene		<MDL	0.077	0.129	ug/L
Benzo(a)pyrene		<MDL	0.13	0.258	ug/L
Benzo(b,j,k)fluoranthene		<MDL	0.21	0.387	ug/L
Benzo(g,h,i)perylene		<MDL	0.13	0.258	ug/L
Benzo(r,s,t)pentaphene		<MDL	0.64	2.58	ug/L
Benzoic Acid		<MDL	2.06	2.06	ug/L
Benzyl Alcohol		<MDL	0.13	0.258	ug/L
Benzyl Butyl Phthalate		<MDL	0.077	0.129	ug/L
Bis(2-chloro-1-methylethyl) ether		<MDL	0.26	0.515	ug/L
Bis(2-Chloroethoxy)Methane		<MDL	0.13	0.258	ug/L
Bis(2-Chloroethyl)Ether		<MDL	0.077	0.129	ug/L
Bis(2-Ethylhexyl)Phthalate	0.44	<RDL	0.13	0.515	ug/L
Carbazole		<MDL	0.13	0.258	ug/L
Chrysene		<MDL	0.077	0.129	ug/L
Dibenzo(a,e)pyrene		<MDL	0.64	2.58	ug/L
Dibenzo(a,h)acridine		<MDL	0.64	2.58	ug/L
Dibenzo(a,h)anthracene		<MDL	0.21	0.387	ug/L
Dibenzo(a,h)pyrene		<MDL	0.64	2.58	ug/L
Dibenzo(a,j)acridine		<MDL	0.64	2.58	ug/L
Dibenzofuran		<MDL	0.13	0.258	ug/L
Diethyl Phthalate	0.13	<RDL	0.13	0.258	ug/L
Dimethyl Phthalate		<MDL	0.052	0.0773	ug/L
Di-N-Butyl Phthalate		<MDL	0.13	0.258	ug/L
Di-N-Octyl Phthalate		<MDL	0.077	0.129	ug/L
Fluoranthene		<MDL	0.077	0.155	ug/L
Fluorene		<MDL	0.077	0.129	ug/L
Hexachlorobenzene		<MDL	0.077	0.129	ug/L
Hexachlorobutadiene		<MDL	0.13	0.258	ug/L
Hexachlorocyclopentadiene		<MDL	0.52	1.29	ug/L
Hexachloroethane		<MDL	0.13	0.258	ug/L
Indeno(1,2,3-Cd)Pyrene		<MDL	0.13	0.258	ug/L
Isophorone		<MDL	0.13	0.258	ug/L
Naphthalene		<MDL	0.21	0.387	ug/L
n-Decane		<MDL	0.077	0.155	ug/L
Nitrobenzene		<MDL	0.13	0.258	ug/L
N-Nitrosodimethylamine		<MDL	0.52	0.773	ug/L
N-Nitrosodi-N-Propylamine		<MDL	0.13	0.258	ug/L
N-Nitrosodiphenylamine		<MDL	0.26	0.515	ug/L
n-Octadecane		<MDL	0.077	0.155	ug/L
Pentachlorophenol	0.21	<RDL,JL	0.13	0.258	ug/L
Perylene		<MDL	0.13	0.258	ug/L
Phenanthrene		<MDL	0.077	0.129	ug/L

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: SCE
Descrip: CITY OF EVERETT EF
Sample: L83773-1
Matrix: LC EFFLUENT
ColDate: 5/1/24 7:30

WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units
Phenol		<MDL	0.52	0.773	ug/L
Pyrene		<MDL	0.077	0.129	ug/L

< MDL = less than the method detecti

< RDL = less than the reporting detec

JG = the reported result is an estimat

JL = the reported result is an estimate

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: FEN
Descrip: CITY OF EVERETT EF
Sample: L83736-2
Matrix: LC EFFLUENT
ColDate: 4/29/24 7:30
WET Weight Basis

WET Weight Basis

Project: 421184EV
 Locator: SCE
 Descrp: CITY OF EVERETT EF
 Sample: L83736-4
 Matrix: LC EFFLUENT
 ColDate: 4/29/24 7:40
WET Weight Basis

WET Weight Basis

Project: 421184EV
Locator: PI
Descrip: CITY OF EVERETT IN
Sample: L83736-6
Matrix: LB INFLUENT
ColDate: 4/29/24 7:50
WET Weight Basis

WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
OR EPA 624.1															
1,1,1-Trichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1,2,2-Tetrachloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1,2-Trichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1,2-Trichloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1-Dichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1-Dichloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dibromoethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dichlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dichloropropane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,3-Dichlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,4-Dichlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
2-Butanone (MEK)	<MDL		5	10	ug/L	<MDL		5	10	ug/L	<MDL		5	10	ug/L
2-Chloroethylvinyl ether	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
2-Hexanone	<MDL		5	10	ug/L	<MDL		5	10	ug/L	<MDL		5	10	ug/L
4-Methyl-2-Pentanone (MIBK)	<MDL		5	10	ug/L	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Acetone	<MDL		2.5	10	ug/L	<MDL		2.5	10	ug/L	101		2.5	10	ug/L
Acrolein	<MDL,JG		5	10	ug/L	<MDL,JG		5	10	ug/L	<MDL		5	10	ug/L
Acrylonitrile	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Benzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Bromodichloromethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Bromoform	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Bromomethane	<MDL		5	10	ug/L	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Carbon Disulfide	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Carbon Tetrachloride	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chlorodibromomethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chloroform	<MDL		1	2	ug/L	<MDL		1	2	ug/L	2.82		1	2	ug/L
Chloromethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Cis-1,3-Dichloropropene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Ethylbenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
M/P Xylenes	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Methylene Chloride	<MDL		5	10	ug/L	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Methyl-t-butyl Ether (MTBE)	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
O-Xylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Styrene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Tetrachloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Toluene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Total Xylenes	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Trans-1,2-Dichloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Trans-1,3-Dichloropropene	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Trichlorofluoromethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Vinyl Acetate	<MDL		5	10	ug/L	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Vinyl Chloride	<MDL		1	2	ug/L	<MDL		1	2	ug/L	<MDL		1	2	ug/L

< MDL = less than the method detection limit
JG = the reported result is an estimated value with a probable low bias

King County Environmental Lab Analytical Report

Project: 421184EV
 Locator: TRIPBLANK
 Descrip: TRIP BLANK
 Sample: L83736-7
 Matrix: LN BLANK WTR
 ColDate: 4/29/24 0:00

WET Weight Basis

Project: 421184EV
 Locator: TRIPBLANK
 Descrip: TRIP BLANK
 Sample: L83736-8
 Matrix: LN BLANK WTR
 ColDate: 4/29/24 0:00

WET Weight Basis

Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units
OR EPA 624.1										
1,1,1-Trichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1,2,2-Tetrachloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1,2-Trichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1,2-Trichloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1-Dichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,1-Dichloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dibromoethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dichlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dichloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,2-Dichloropropane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,3-Dichlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
1,4-Dichlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
2-Butanone (MEK)	<MDL		5	10	ug/L	<MDL		5	10	ug/L
2-Chloroethylvinyl ether	<MDL		1	2	ug/L	<MDL		1	2	ug/L
2-Hexanone	<MDL		5	10	ug/L	<MDL		5	10	ug/L
4-Methyl-2-Pentanone (MIBK)	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Acetone	<MDL		2.5	10	ug/L	<MDL		2.5	10	ug/L
Acrolein	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Acrylonitrile	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Benzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Bromodichloromethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Bromoform	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Bromomethane	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Carbon Disulfide	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Carbon Tetrachloride	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chlorobenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chlorodibromomethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chloroethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chloroform	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Chloromethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Cis-1,3-Dichloropropene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Ethylbenzene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
M/P Xylenes	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Methylene Chloride	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Methyl-t-butyl Ether (MTBE)	<MDL		1	2	ug/L	<MDL		1	2	ug/L
O-Xylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Styrene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Tetrachloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Toluene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Total Xylenes	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Trans-1,2-Dichloroethylene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Trans-1,3-Dichloropropene	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Trichlorofluoromethane	<MDL		1	2	ug/L	<MDL		1	2	ug/L
Vinyl Acetate	<MDL		5	10	ug/L	<MDL		5	10	ug/L
Vinyl Chloride	<MDL		1	2	ug/L	<MDL		1	2	ug/L

< MDL = less than the method dete
 JG = the reported result is an estim

King County Environmental Laboratory QC Report

City of Everett Priority Pollutants
April 29, 2024

Workgroup: WG193770 Volatile Organics

MB:WG193770-1 Matrix: BLANK WTR Listtype:ORVOAGCMS Method:EPA 624.1 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Chloromethane	1	2	ug/L		<MDL
Vinyl Chloride	1	2	ug/L		<MDL
Bromomethane	5	10	ug/L		<MDL
Chloroethane	1	2	ug/L		<MDL
Trichlorofluoromethane	1	2	ug/L		<MDL
Acrolein	5	10	ug/L		<MDL
Acetone	2.5	10	ug/L		<MDL
1,1-Dichloroethylene	1	2	ug/L		<MDL
Acrylonitrile	1	2	ug/L		<MDL
Methylene Chloride	5	10	ug/L		<MDL
Carbon Disulfide	1	2	ug/L		<MDL
Trans-1,2-Dichloroethylene	1	2	ug/L		<MDL
Methyl-t-butyl Ether (MTBE)	1	2	ug/L		<MDL
1,1-Dichloroethane	1	2	ug/L		<MDL
Vinyl Acetate	5	10	ug/L		<MDL
2-Butanone (MEK)	5	10	ug/L		<MDL
Chloroform	1	2	ug/L		<MDL
1,2-Dichloroethane	1	2	ug/L		<MDL
1,1,1-Trichloroethane	1	2	ug/L		<MDL
Carbon Tetrachloride	1	2	ug/L		<MDL
Benzene	1	2	ug/L		<MDL
1,2-Dichloropropane	1	2	ug/L		<MDL
1,1,2-Trichloroethylene	1	2	ug/L		<MDL
Bromodichloromethane	1	2	ug/L		<MDL
2-Chloroethylvinyl ether	1	2	ug/L		<MDL
Cis-1,3-Dichloropropene	1	2	ug/L		<MDL
4-Methyl-2-Pentanone (MIBK)	5	10	ug/L		<MDL
Trans-1,3-Dichloropropene	1	2	ug/L		<MDL
1,1,2-Trichloroethane	1	2	ug/L		<MDL
Toluene	1	2	ug/L		<MDL
Chlorodibromomethane	1	2	ug/L		<MDL
2-Hexanone	5	10	ug/L		<MDL
1,2-Dibromoethane	1	2	ug/L		<MDL
Tetrachloroethylene	1	2	ug/L		<MDL
Chlorobenzene	1	2	ug/L		<MDL
Ethylbenzene	1	2	ug/L		<MDL
Bromoform	1	2	ug/L		<MDL
M/P Xylenes	1	2	ug/L		<MDL
Styrene	1	2	ug/L		<MDL
1,1,2,2-Tetrachloroethane	1	2	ug/L		<MDL
O-Xylene	1	2	ug/L		<MDL

Total Xylenes	1	2	ug/L	<MDL
1,3-Dichlorobenzene	1	2	ug/L	<MDL
1,4-Dichlorobenzene	1	2	ug/L	<MDL
1,2-Dichlorobenzene	1	2	ug/L	<MDL

SBD:WG193770-3 SB:WG193770-2 MB:WG193770-1 Matrix: BLANK WTR Listtype:ORVOAGCMS Method:EPA 624.1 Project: Pkey:STD
(Spiked Blank Duplicate, Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit	True Value	SBD Value	% Rec. Qual	RPD	Qual	Lab Limit
Chloromethane	1	2	ug/L	<MDL	50	25.4	51	5--205	50	25.7	51	1		0--28
Vinyl Chloride	1	2	ug/L	<MDL	50	35	70	5--195	50	34.6	69	1		0--28
Bromomethane	5	10	ug/L	<MDL	50	46.4	93	15--185	50	46.5	93	0		0--28
Chloroethane	1	2	ug/L	<MDL	50	44.5	89	40--160	50	44.6	89	0		0--28
Trichlorofluoromethane	1	2	ug/L	<MDL	50	45.5	91	50--150	50	45.2	90	1		0--28
Acrolein	5	10	ug/L	<MDL	50	55	110	60--140	50	54.6	109	1		0--60
Acetone	2.5	10	ug/L	<MDL	50	46	92	60--140	50	49.4	99	7		0--28
1,1-Dichloroethylene	1	2	ug/L	<MDL	50	49.8	100	50--150	50	50	100	0		0--28
Acrylonitrile	1	2	ug/L	<MDL	50	46	92	60--140	50	49.1	98	7		0--28
Methylene Chloride	5	10	ug/L	<MDL	50	48.6	97	60--140	50	48.8	98	0		0--28
Carbon Disulfide	1	2	ug/L	<MDL	50	46.5	93	71--160	50	46.6	93	0		0--28
Trans-1,2-Dichloroethylene	1	2	ug/L	<MDL	50	48.7	97	70--130	50	49.4	99	1		0--28
Methyl-t-butyl Ether (MTBE)	1	2	ug/L	<MDL	50	48.3	97	60--140	50	49.1	98	2		0--28
1,1-Dichloroethane	1	2	ug/L	<MDL	50	46.1	92	70--130	50	46.3	93	0		0--28
Vinyl Acetate	5	10	ug/L	<MDL	50	51.3	103	60--140	50	54.9	110	7		0--60
2-Butanone (MEK)	5	10	ug/L	<MDL	50	42.6	85	60--140	50	48.3	97	12		0--28
Chloroform	1	2	ug/L	<MDL	50	48.6	97	70--135	50	48.8	98	0		0--28
1,2-Dichloroethane	1	2	ug/L	<MDL	50	47.6	95	70--130	50	47.5	95	0		0--28
1,1,1-Trichloroethane	1	2	ug/L	<MDL	50	53.4	107	70--130	50	53.4	107	0		0--28
Carbon Tetrachloride	1	2	ug/L	<MDL	50	54.8	110	70--130	50	55	110	0		0--28
Benzene	1	2	ug/L	<MDL	50	51.9	104	65--135	50	51.5	103	1		0--28
1,2-Dichloropropane	1	2	ug/L	<MDL	50	51.4	103	35--165	50	51.4	103	0		0--28
1,1,2-Trichloroethylene	1	2	ug/L	<MDL	50	54.3	109	65--135	50	53.6	107	1		0--28
Bromodichloromethane	1	2	ug/L	<MDL	50	53.8	108	65--135	50	53.2	106	1		0--28
2-Chloroethylvinyl ether	1	2	ug/L	<MDL	50	50	100	5--225	50	51.3	103	3		0--28
Cis-1,3-Dichloropropene	1	2	ug/L	<MDL	50	55.7	111	25--175	50	56	112	0		0--28
4-Methyl-2-Pentanone (MIBK)	5	10	ug/L	<MDL	50	40.2	80	60--140	50	46	92	13		0--28
Trans-1,3-Dichloropropene	1	2	ug/L	<MDL	50	53.1	106	59--175	50	52.7	105	1		0--28
1,1,2-Trichloroethane	1	2	ug/L	<MDL	50	50.7	101	70--130	50	49.9	100	2		0--28
Toluene	1	2	ug/L	<MDL	50	47.4	95	70--130	50	46.9	94	1		0--28
Chlorodibromomethane	1	2	ug/L	<MDL	50	55.7	111	70--135	50	55.4	111	0		0--28
2-Hexanone	5	10	ug/L	<MDL	50	38.8	78	60--140	50	45.6	91	16		0--28
1,2-Dibromoethane	1	2	ug/L	<MDL	50	51.2	102	60--140	50	51	102	0		0--28
Tetrachloroethylene	1	2	ug/L	<MDL	50	47.2	94	70--130	50	43.6	87	8		0--28
Chlorobenzene	1	2	ug/L	<MDL	50	49.6	99	65--135	50	49.4	99	0		0--28
Ethylbenzene	1	2	ug/L	<MDL	50	50.8	102	60--140	50	50.8	102	0		0--28
Bromoform	1	2	ug/L	<MDL	50	55.7	111	70--130	50	56	112	1		0--28

King County Environmental Laboratory QC Report

City of Everett Priority Pollutants
April 29, 2024

M/P Xylenes	1	2	ug/L	<MDL	100	101	101	60--140	100	100	100	0	0--28
Styrene	1	2	ug/L	<MDL	50	52.6	105	60--140	50	52.2	104	1	0--28
1,1,2,2-Tetrachloroethane	1	2	ug/L	<MDL	50	47.5	95	60--140	50	48.7	97	2	0--28
O-Xylene	1	2	ug/L	<MDL	50	49.7	99	60--140	50	49.2	98	1	0--28
1,3-Dichlorobenzene	1	2	ug/L	<MDL	50	49	98	70--130	50	50.9	102	4	0--28
1,4-Dichlorobenzene	1	2	ug/L	<MDL	50	48.2	96	65--135	50	50	100	4	0--28
1,2-Dichlorobenzene	1	2	ug/L	<MDL	50	49.2	98	65--135	50	51.7	103	5	0--28

MSD:WG193770-5 MS:WG193770-4 L83736-2 Matrix: EFFLUENT Listtype:ORVOAGCMS Method:EPA 624.1 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
Chloromethane	1	2	ug/L	<MDL	50	26.8	54	5--273	50	25.3	51	6		0--28
Vinyl Chloride	1	2	ug/L	<MDL	50	36.6	73	5--251	50	34.7	69	5		0--28
Bromomethane	5	10	ug/L	<MDL	50	48	96	5--242	50	46	92	4		0--28
Chloroethane	1	2	ug/L	<MDL	50	46.8	94	14--230	50	44.4	89	5		0--28
Trichlorofluoromethane	1	2	ug/L	<MDL	50	47.4	95	17--181	50	45.6	91	4		0--28
Acrolein	5	10	ug/L	<MDL	50	24.7	49	40--160	50	12	24 *	69	*	0--60
Acetone	2.5	10	ug/L	<MDL	50	42.3	85	40--160	50	36.6	73	14		0--28
1,1-Dichloroethylene	1	2	ug/L	<MDL	50	52.6	105	5--234	50	50.1	100	5		0--28
Acrylonitrile	1	2	ug/L	<MDL	50	44.9	90	40--160	50	42.6	85	5		0--28
Methylene Chloride	5	10	ug/L	<MDL	50	50.8	102	5--221	50	48.3	97	5		0--28
Carbon Disulfide	1	2	ug/L	<MDL	50	49	98	40--160	50	46.4	93	6		0--28
Trans-1,2-Dichloroethylene	1	2	ug/L	<MDL	50	51.4	103	54--156	50	49.2	98	4		0--28
Methyl-t-butyl Ether (MTBE)	1	2	ug/L	<MDL	50	48.3	97	40--160	50	47.1	94	2		0--28
1,1-Dichloroethane	1	2	ug/L	<MDL	50	48.5	97	59--155	50	46.1	92	5		0--28
Vinyl Acetate	5	10	ug/L	<MDL	50	45.8	92	40--160	50	37.2	74	21		0--60
2-Butanone (MEK)	5	10	ug/L	<MDL	50	39.2	78	40--160	50	35.3	71	10		0--28
Chloroform	1	2	ug/L	<MDL	50	51.3	103	51--138	50	49	98	5		0--28
1,2-Dichloroethane	1	2	ug/L	<MDL	50	48.5	97	49--155	50	46.4	93	4		0--28
1,1,1-Trichloroethane	1	2	ug/L	<MDL	50	55.4	111	52--162	50	53.3	107	4		0--28
Carbon Tetrachloride	1	2	ug/L	<MDL	50	57	114	70--140	50	55.1	110	3		0--28
Benzene	1	2	ug/L	<MDL	50	52.8	106	37--151	50	50.6	101	4		0--28
1,2-Dichloropropane	1	2	ug/L	<MDL	50	52.8	106	5--210	50	50.5	101	4		0--28
1,1,2-Trichloroethylene	1	2	ug/L	<MDL	50	54.6	109	70--157	50	52.7	105	3		0--28
Bromodichloromethane	1	2	ug/L	<MDL	50	55.1	110	35--155	50	53.2	106	3		0--28
2-Chloroethylvinyl ether	1	2	ug/L	<MDL	50	49.5	99	5--305	50	48.9	98	1		0--28
Cis-1,3-Dichloropropene	1	2	ug/L	<MDL	50	56.9	114	5--227	50	55.2	110	3		0--28
4-Methyl-2-Pentanone (MIBK)	5	10	ug/L	<MDL	50	40.3	81	40--160	50	39.5	79	2		0--28
Trans-1,3-Dichloropropene	1	2	ug/L	<MDL	50	51.5	103	17--183	50	50.7	101	2		0--28
1,1,2-Trichloroethane	1	2	ug/L	<MDL	50	47.9	96	52--150	50	47.1	94	2		0--28
Toluene	1	2	ug/L	<MDL	50	48.3	97	47--150	50	47.3	95	2		0--28
Chlorodibromomethane	1	2	ug/L	<MDL	50	54	108	53--149	50	52.4	105	3		0--28
2-Hexanone	5	10	ug/L	<MDL	50	38.8	78	40--160	50	36.4	73	6		0--28
1,2-Dibromoethane	1	2	ug/L	<MDL	50	48.8	98	40--160	50	47.9	96	2		0--28
Tetrachloroethylene	1	2	ug/L	<MDL	50	36.3	73	64--148	50	35.8	72	1		0--28

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Surrogate: (Lab Limits)	4-Bromo	d4-1,2-	d8-Toluene
	fluoro	Dichloro	
	benzene	ethane	
	87--118	82--125	90--114
L83736-2	96	102	97
L83736-4	96	102	99
L83736-6	94	105	99
L83736-7	95	100	98
L83736-8	96	102	99
WG193770-1	95	100	98
WG193770-2	95	97	96
WG193770-3	96	97	95
WG193770-4	95	99	95
WG193770-5	94	97	96

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Workgroup: WG193798 Chlorinated Pesticides

MB:WG193798-1 Matrix: BLANK WTR Listtype:ORCLPEST Method:EPA 608.3 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Alpha-BHC	0.005	0.01	ug/L		<MDL
Gamma-BHC (Lindane)	0.005	0.01	ug/L		<MDL
Beta-BHC	0.005	0.01	ug/L		<MDL
Delta-BHC	0.005	0.01	ug/L		<MDL
Heptachlor	0.005	0.01	ug/L		<MDL
Aldrin	0.005	0.01	ug/L		<MDL
Heptachlor Epoxide	0.005	0.01	ug/L		<MDL
trans-Chlordane	0.005	0.01	ug/L		<MDL
Alpha-Chlordane	0.005	0.01	ug/L		<MDL
4,4'-DDE	0.005	0.01	ug/L		<MDL
Endosulfan I	0.005	0.01	ug/L		<MDL
Dieldrin	0.005	0.01	ug/L		<MDL
Endrin	0.005	0.01	ug/L		<MDL
4,4'-DDD	0.005	0.01	ug/L		<MDL
Endosulfan II	0.005	0.01	ug/L		<MDL
4,4'-DDT	0.005	0.01	ug/L		<MDL
Endrin Aldehyde	0.005	0.01	ug/L		<MDL
Methoxychlor	0.025	0.05	ug/L		<MDL
Endosulfan Sulfate	0.005	0.01	ug/L		<MDL
Toxaphene	0.1	0.5	ug/L		<MDL

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SB:WG193798-2 MB:WG193798-1 Matrix: BLANK WTR Listtype:ORCLPEST Method:EPA 608.3 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit
Alpha-BHC	0.005	0.01	ug/L	<MDL	0.2	0.156	78	48--106
Gamma-BHC (Lindane)	0.005	0.01	ug/L	<MDL	0.2	0.16	80	50--109
Beta-BHC	0.005	0.01	ug/L	<MDL	0.2	0.176	88	55--116
Delta-BHC	0.005	0.01	ug/L	<MDL	0.2	0.172	86	61--113
Heptachlor	0.005	0.01	ug/L	<MDL	0.2	0.168	84	50--101
Aldrin	0.005	0.01	ug/L	<MDL	0.2	0.155	77	50--99
Heptachlor Epoxide	0.005	0.01	ug/L	<MDL	0.2	0.172	86	58--119
trans-Chlordane	0.005	0.01	ug/L	<MDL	0.2	0.171	85	67--112
Alpha-Chlordane	0.005	0.01	ug/L	<MDL	0.2	0.171	85	66--124
4,4'-DDE	0.005	0.01	ug/L	<MDL	0.2	0.177	88	65--115
Endosulfan I	0.005	0.01	ug/L	<MDL	0.2	0.164	82	45--119
Dieldrin	0.005	0.01	ug/L	<MDL	0.2	0.174	87	65--121
Endrin	0.005	0.01	ug/L	<MDL	0.2	0.189	95	62--123
4,4'-DDD	0.005	0.01	ug/L	<MDL	0.2	0.194	97	60--123
Endosulfan II	0.005	0.01	ug/L	<MDL	0.2	0.18	90	52--114
4,4'-DDT	0.005	0.01	ug/L	<MDL	0.2	0.184	92	61--119
Endrin Aldehyde	0.005	0.01	ug/L	<MDL	0.2	0.166	83	41--93
Methoxychlor	0.025	0.05	ug/L	<MDL	0.2	0.208	104	61--117
Endosulfan Sulfate	0.005	0.01	ug/L	<MDL	0.2	0.183	91	57--108

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Parameter	MDL	RDL	Units	SAMP Value	True Value	MS Value	% Rec.	Qual	Lab Limit	True Value	MSD Value	% Rec.	Qual	RPD	Qual	Lab Limit
Alpha-BHC	0.005	0.01	ug/L	<MDL	0.2	0.14	70		57--102	0.2	0.153	77		9		0--26
Gamma-BHC (Lindane)	0.005	0.01	ug/L	<MDL	0.2	0.143	72		63--104	0.2	0.154	77		7		0--26
Beta-BHC	0.005	0.01	ug/L	<MDL	0.2	0.133	67		66--107	0.2	0.15	75		12		0--26
Delta-BHC	0.005	0.01	ug/L	<MDL	0.2	0.156	78		68--110	0.2	0.166	83		6		0--26
Heptachlor	0.005	0.01	ug/L	<MDL	0.2	0.149	75		52--112	0.2	0.157	78		5		0--26
Aldrin	0.03	0.03	ug/L	<MDL	0.2	0.147	74		50--111	0.2	0.159	80		8		0--26
Heptachlor Epoxide	0.005	0.01	ug/L	<MDL	0.2	0.151	76		59--111	0.2	0.161	81		6		0--26
trans-Chlordane	0.005	0.01	ug/L	<MDL	0.2	0.146	73		69--114	0.2	0.156	78		6		0--26
Alpha-Chlordane	0.005	0.01	ug/L	<MDL	0.2	0.133	67		62--120	0.2	0.142	71		6		0--26
4,4'-DDE	0.005	0.01	ug/L	<MDL	0.2	0.144	72		62--110	0.2	0.152	76		5		0--26
Endosulfan I	0.005	0.01	ug/L	<MDL	0.2	0.15	75		45--129	0.2	0.157	79		5		0--26
Dieldrin	0.005	0.01	ug/L	<MDL	0.2	0.144	72		61--115	0.2	0.155	78		7		0--26
Endrin	0.005	0.01	ug/L	<MDL	0.2	0.162	81		67--126	0.2	0.177	89		9		0--26
4,4'-DDD	0.005	0.01	ug/L	<MDL	0.2	0.163	81		54--118	0.2	0.176	88		8		0--26
Endosulfan II	0.005	0.01	ug/L	<MDL	0.2	0.153	77		46--118	0.2	0.167	83		8		0--26
4,4'-DDT	0.005	0.01	ug/L	<MDL	0.2	0.155	78		60--115	0.2	0.164	82		6		0--26
Endrin Aldehyde	0.005	0.01	ug/L	<MDL	0.2	0.0893	45		24--79	0.2	0.0901	45		1		0--26
Methoxychlor	0.025	0.05	ug/L	<MDL	0.2	0.189	94		48--128	0.2	0.199	99		5		0--26
Endosulfan Sulfate	0.005	0.01	ug/L	<MDL	0.2	0.171	86		51--108	0.2	0.182	91		6		0--26

Surrogate: (Lab Limits)	2,4,5,6- Tetra	Decachloro
	chloro m-	biphenyl
	xylene 22--99	20--149
L83736-1	57	65
L83736-3	56	74
L83736-5	57	25
L83773-1	60	70
WG193798-1	70	89
WG193798-2	70	93
WG193798-3	59	76
WG193798-4	62	79

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Workgroup: WG193799 PCBs

MB:WG193799-1 Matrix: BLANK WTR Listtype:ORPCB Method:EPA 608.3 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
Aroclor 1016	0.025	0.1	ug/L		<MDL
Aroclor 1221	0.025	0.1	ug/L		<MDL
Aroclor 1232	0.025	0.1	ug/L		<MDL
Aroclor 1242	0.025	0.1	ug/L		<MDL
Aroclor 1248	0.025	0.1	ug/L		<MDL
Aroclor 1254	0.025	0.1	ug/L		<MDL
Aroclor 1260	0.025	0.1	ug/L		<MDL
Total Aroclors	0.025	0.1	ug/L		<MDL

SB:WG193799-2 MB:WG193799-1 Matrix: BLANK WTR Listtype:ORPCB Method:EPA 608.3 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit
Aroclor 1242	0.025	0.1	ug/L	<MDL	2	1.63	82	42--104
Aroclor 1260	0.025	0.1	ug/L	<MDL	2	1.89	94	58--150

MSD:WG193799-4 MS:WG193799-3 L83773-1 Matrix: EFFLUENT Listtype:ORPCB Method:EPA 608.3 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
Aroclor 1242	0.025	0.1	ug/L	<MDL	2	1.65	82	39--107	2	1.67	84	1		0--29
Aroclor 1260	0.025	0.1	ug/L	<MDL	2	1.64	82	20--119	2	1.63	82	1		0--38

Surrogate: (Lab Limits)	2,4,5,6- Tetra chloro m- xylene 20--94	Decachloro biphenyl 20--150
L83736-1	62	76
L83736-3	65	86
L83736-5	67	58
L83773-1	65	88
WG193799-1	68	91
WG193799-2	70	96
WG193799-3	65	84
WG193799-4	68	85

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Workgroup: WG193834 Semivolatile Organics

MB:WG193834-1 Matrix: BLANK WTR Listtype:ORBNA-INT Method:EPA 625.1 Project: Pkey:STD
(Method Blank)

Parameter	MDL	RDL	Units	MB Value	Qual
N-Nitrosodimethylamine	0.5	0.75	ug/L		<MDL
Phenol	0.5	0.75	ug/L		<MDL
Bis(2-Chloroethyl)Ether	0.075	0.125	ug/L		<MDL
2-Chlorophenol	0.25	0.5	ug/L		<MDL
n-Decane	0.075	0.15	ug/L		<MDL
Benzyl Alcohol	0.13	0.25	ug/L		<MDL
2-Methylphenol	0.13	0.25	ug/L		<MDL
Bis(2-chloro-1-methylethyl) ether	0.25	0.5	ug/L		<MDL
3-,4-Methylphenol	0.13	0.25	ug/L		<MDL
N-Nitrosodi-N-Propylamine	0.13	0.25	ug/L		<MDL
Hexachloroethane	0.13	0.25	ug/L		<MDL
Nitrobenzene	0.13	0.25	ug/L		<MDL
Isophorone	0.13	0.25	ug/L		<MDL
2-Nitrophenol	0.13	0.25	ug/L		<MDL
2,4-Dimethylphenol	0.13	0.25	ug/L		<MDL
Bis(2-Chloroethoxy)Methane	0.13	0.25	ug/L		<MDL
Benzoic Acid	2	2	ug/L		<MDL
2,4-Dichlorophenol	0.13	0.25	ug/L		<MDL
1,2,4-Trichlorobenzene	0.075	0.125	ug/L		<MDL
Naphthalene	0.2	0.375	ug/L		<MDL
Hexachlorobutadiene	0.13	0.25	ug/L		<MDL
4-Chloro-3-Methylphenol	0.25	0.5	ug/L		<MDL
2-Methylnaphthalene	0.2	0.375	ug/L		<MDL
1-Methylnaphthalene	0.2	0.375	ug/L		<MDL
Hexachlorocyclopentadiene	0.5	1.25	ug/L		<MDL
2,4,6-Trichlorophenol	0.5	1	ug/L		<MDL
2-Chloronaphthalene	0.075	0.125	ug/L		<MDL
Dimethyl Phthalate	0.05	0.075	ug/L		<MDL
2,6-Dinitrotoluene	0.13	0.5	ug/L		<MDL
Acenaphthylene	0.075	0.125	ug/L		<MDL
Acenaphthene	0.05	0.1	ug/L		<MDL
2,4-Dinitrophenol	0.75	1.25	ug/L		<MDL
4-Nitrophenol	0.5	1.25	ug/L		<MDL
Dibenzofuran	0.13	0.25	ug/L		<MDL
2,4-Dinitrotoluene	0.13	0.5	ug/L		<MDL
Diethyl Phthalate	0.13	0.25	ug/L		<MDL
4-Chlorophenyl Phenyl Ether	0.075	0.125	ug/L		<MDL
Fluorene	0.075	0.125	ug/L		<MDL
4,6-Dinitro-O-Cresol	0.5	1.25	ug/L		<MDL
N-Nitrosodiphenylamine	0.25	0.5	ug/L		<MDL
1,2-Diphenylhydrazine	0.25	0.5	ug/L		<MDL

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4-Bromophenyl Phenyl Ether	0.05	0.075	ug/L	<MDL
Hexachlorobenzene	0.075	0.125	ug/L	<MDL
Pentachlorophenol	0.13	0.25	ug/L	<MDL
n-Octadecane	0.075	0.15	ug/L	<MDL
Phenanthrene	0.075	0.125	ug/L	<MDL
Anthracene	0.075	0.125	ug/L	<MDL
Carbazole	0.13	0.25	ug/L	<MDL
Di-N-Butyl Phthalate	0.13	0.25	ug/L	<MDL
Fluoranthene	0.075	0.15	ug/L	<MDL
Benzidine	7.5	22.5	ug/L	<MDL
Pyrene	0.075	0.125	ug/L	<MDL
Benzyl Butyl Phthalate	0.075	0.125	ug/L	<MDL
Benzo(a)anthracene	0.075	0.125	ug/L	<MDL
3,3'-Dichlorobenzidine	0.5	0.5	ug/L	<MDL
Chrysene	0.075	0.125	ug/L	<MDL
Bis(2-Ethylhexyl)Phthalate	0.13	0.5	ug/L	<MDL
Di-N-Octyl Phthalate	0.075	0.125	ug/L	<MDL
Benzo(b,j,k)fluoranthene	0.2	0.375	ug/L	<MDL
Benzo(a)pyrene	0.13	0.25	ug/L	<MDL
Perylene	0.13	0.25	ug/L	<MDL
3-Methylcholanthrene	0.5	2	ug/L	<MDL
Dibenzo(a,h)acridine	0.63	2.5	ug/L	<MDL
Dibenzo(a,j)acridine	0.63	2.5	ug/L	<MDL
Indeno(1,2,3-Cd)Pyrene	0.13	0.25	ug/L	<MDL
Dibenzo(a,h)anthracene	0.2	0.375	ug/L	<MDL
Benzo(g,h,i)perylene	0.13	0.25	ug/L	<MDL
Dibenzo(a,e)pyrene	0.63	2.5	ug/L	<MDL
Benzo(r,s,t)pentaphene	0.63	2.5	ug/L	<MDL
Dibenzo(a,h)pyrene	0.63	2.5	ug/L	<MDL

SB:WG193834-2 MB:WG193834-1 Matrix: BLANK WTR Listtype:ORBNA-INT Method:EPA 625.1 Project: Pkey:STD
(Spike Blank, Method Blank)

Parameter	MDL	RDL	Units	MB Value	True Value	SB Value	% Rec. Qual	Lab Limit
N-Nitrosodimethylamine	0.5	0.75	ug/L	<MDL	6.25	5.36	86	36--128
Phenol	0.5	0.75	ug/L	<MDL	6.25	6.86	110	48--131
Bis(2-Chloroethyl)Ether	0.075	0.125	ug/L	<MDL	6.25	5.74	92	41--115
2-Chlorophenol	0.25	0.5	ug/L	<MDL	6.25	7.11	114	57--118
n-Decane	0.075	0.15	ug/L	<MDL	6.25	4.8	77	20--91
Benzyl Alcohol	0.13	0.25	ug/L	<MDL	6.25	5.45	87	27--125
2-Methylphenol	0.13	0.25	ug/L	<MDL	6.25	6.29	101	37--130
Bis(2-chloro-1-methylethyl) ether	0.25	0.5	ug/L	<MDL	6.25	5.77	92	31--132
3-,4-Methylphenol	0.13	0.25	ug/L	<MDL	6.25	7.31	117	30--131
N-Nitrosodi-N-Propylamine	0.13	0.25	ug/L	<MDL	6.25	7.66	123	37--129
Hexachloroethane	0.13	0.25	ug/L	<MDL	6.25	5.56	89	20--100
Nitrobenzene	0.13	0.25	ug/L	<MDL	6.25	5.75	92	40--120

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Isophorone	0.13	0.25	ug/L	<MDL	6.25	5.92	95	36--127
2-Nitrophenol	0.13	0.25	ug/L	<MDL	6.25	4.76	76	49--116
2,4-Dimethylphenol	0.13	0.25	ug/L	<MDL	6.25	7.4	118	26--126
Bis(2-Chloroethoxy)Methane	0.13	0.25	ug/L	<MDL	6.25	6.61	106	34--131
Benzoic Acid	2	2	ug/L	<MDL	6.25	3.62	58	20--100
2,4-Dichlorophenol	0.13	0.25	ug/L	<MDL	6.25	5.16	83	45--119
1,2,4-Trichlorobenzene	0.075	0.125	ug/L	<MDL	6.25	5.68	91	28--95
Naphthalene	0.2	0.375	ug/L	<MDL	6.25	6.16	99	50--110
Hexachlorobutadiene	0.13	0.25	ug/L	<MDL	6.25	6.09	97	20--119
4-Chloro-3-Methylphenol	0.25	0.5	ug/L	<MDL	6.25	5.31	85	49--122
2-Methylnaphthalene	0.2	0.375	ug/L	<MDL	6.25	6.06	97	31--116
1-Methylnaphthalene	0.2	0.375	ug/L	<MDL	6.25	6.59	105	31--116
Hexachlorocyclopentadiene	0.5	1.25	ug/L	<MDL	6.25	8.82	141 *	20--60
2,4,6-Trichlorophenol	0.5	1	ug/L	<MDL	6.25	5.8	93	60--113
2-Chloronaphthalene	0.075	0.125	ug/L	<MDL	6.25	6.43	103	45--113
Dimethyl Phthalate	0.05	0.075	ug/L	<MDL	6.25	6.7	107	55--124
2,6-Dinitrotoluene	0.13	0.5	ug/L	<MDL	6.25	5.52	88	60--117
Acenaphthylene	0.075	0.125	ug/L	<MDL	6.25	6.61	106	61--115
Acenaphthene	0.05	0.1	ug/L	<MDL	6.25	6.33	101	53--114
2,4-Dinitrophenol	0.75	1.25	ug/L	<MDL	6.25	5.86	94	20--126
4-Nitrophenol	0.5	1.25	ug/L	<MDL	6.25	5.17	83	50--121
Dibenzofuran	0.13	0.25	ug/L	<MDL	6.25	6.51	104	56--118
2,4-Dinitrotoluene	0.13	0.5	ug/L	<MDL	6.25	6.01	96	61--128
Diethyl Phthalate	0.13	0.25	ug/L	<MDL	6.25	6.18	99	59--129
4-Chlorophenyl Phenyl Ether	0.075	0.125	ug/L	<MDL	6.25	6.93	111	51--115
Fluorene	0.075	0.125	ug/L	<MDL	6.25	7.02	112	53--118
4,6-Dinitro-O-Cresol	0.5	1.25	ug/L	<MDL	6.25	5.65	90	26--138
N-Nitrosodiphenylamine	0.25	0.5	ug/L	<MDL	6.25	6.8	109	64--127
1,2-Diphenylhydrazine	0.25	0.5	ug/L	<MDL	6.25	6.71	107	59--135
4-Bromophenyl Phenyl Ether	0.05	0.075	ug/L	<MDL	6.25	6.14	98	66--122
Hexachlorobenzene	0.075	0.125	ug/L	<MDL	6.25	7.33	117	61--126
Pentachlorophenol	0.13	0.25	ug/L	<MDL	6.25	7.4	118 *	57--110
n-Octadecane	0.075	0.15	ug/L	<MDL	6.25	7.27	116	61--122
Phenanthrene	0.075	0.125	ug/L	<MDL	6.25	7.27	116	61--125
Anthracene	0.075	0.125	ug/L	<MDL	6.25	7.21	115	63--129
Carbazole	0.13	0.25	ug/L	<MDL	6.25	5.49	88	59--145
Di-N-Butyl Phthalate	0.13	0.25	ug/L	<MDL	6.25	7.66	123	68--133
Fluoranthene	0.075	0.15	ug/L	<MDL	6.25	7.39	118	67--136
Benzidine	7.5	22.5	ug/L	<MDL	15	3.72	25	20--142
Pyrene	0.075	0.125	ug/L	<MDL	6.25	7.06	113	58--150
Benzyl Butyl Phthalate	0.075	0.125	ug/L	<MDL	6.25	5.95	95	63--135
Benzo(a)anthracene	0.075	0.125	ug/L	<MDL	6.25	7.06	113	62--148
3,3'-Dichlorobenzidine	0.5	0.5	ug/L	<MDL	15	15.8	105	20--150
Chrysene	0.075	0.125	ug/L	<MDL	6.25	6.41	103	62--133
Bis(2-Ethylhexyl)Phthalate	0.13	0.5	ug/L	<MDL	6.25	6.65	106	40--150
Di-N-Octyl Phthalate	0.075	0.125	ug/L	<MDL	6.25	7.2	115	63--141

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Benzo(b,j,k)fluoranthene	0.2	0.375	ug/L	<MDL	18.8	21.6	115	66--142
Benzo(a)pyrene	0.13	0.25	ug/L	<MDL	6.25	6.51	104	75--120
Perylene	0.13	0.25	ug/L	<MDL	6.25	6.22	99	66--111
3-Methylcholanthrene	0.5	2	ug/L	<MDL	6.25	5.07	81	39--100
Dibenzo(a,h)acridine	0.63	2.5	ug/L	<MDL	6.25	5.94	95	32--135
Dibenzo(a,j)acridine	0.63	2.5	ug/L	<MDL	6.25	4.91	79	28--139
Indeno(1,2,3-Cd)Pyrene	0.13	0.25	ug/L	<MDL	6.25	6.54	105	67--146
Dibenzo(a,h)anthracene	0.2	0.375	ug/L	<MDL	6.25	5.25	84	46--142
Benzo(g,h,i)perylene	0.13	0.25	ug/L	<MDL	6.25	7.37	118	55--150
Dibenzo(a,e)pyrene	0.63	2.5	ug/L	<MDL	6.25	6.23	100	50--150
Benzo(r,s,t)pentaphene	0.63	2.5	ug/L	<MDL	6.25	5.37	86	43--150
Dibenzo(a,h)pyrene	0.63	2.5	ug/L	<MDL	6.25	4.58	73	20--144

MSD:WG193834-4 MS:WG193834-3 L83773-1 Matrix: EFFLUENT Listtype:ORBNA-INT Method:EPA 625.1 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
N-Nitrosodimethylamine	0.52	0.781	ug/L	<MDL	6.51	4.07	63		20--129	6.25	4.26	68		5		0--40
Phenol	0.52	0.781	ug/L	<MDL	6.51	6.33	97		35--132	6.25	6.44	103		2		0--40
Bis(2-Chloroethyl)Ether	0.078	0.13	ug/L	<MDL	6.51	4.54	70		20--146	6.25	5.18	83		13		0--40
2-Chlorophenol	0.26	0.521	ug/L	<MDL	6.51	6.22	96		38--113	6.25	6.38	102		3		0--40
n-Decane	0.078	0.156	ug/L	<MDL	6.51	4.04	62		20--92	6.25	4.23	68		5		0--40
Benzyl Alcohol	0.13	0.26	ug/L	<MDL	6.51	5.36	82		33--120	6.25	5.33	85		1		0--40
2-Methylphenol	0.13	0.26	ug/L	<MDL	6.51	6.49	100		37--132	6.25	7.42	119		13		0--40
Bis(2-chloro-1-methylethyl) ether	0.26	0.521	ug/L	<MDL	6.51	5.17	79		26--124	6.25	6.19	99		18		0--40
3-,4-Methylphenol	0.13	0.26	ug/L	<MDL	6.51	7	107		39--138	6.25	6.78	108		3		0--40
N-Nitrosodi-N-Propylamine	0.13	0.26	ug/L	<MDL	6.51	7.37	113		42--125	6.25	7.46	119		1		0--40
Hexachloroethane	0.13	0.26	ug/L	<MDL	6.51	4.01	62		25--84	6.25	4.36	70		8		0--40
Nitrobenzene	0.13	0.26	ug/L	<MDL	6.51	5.17	79		22--122	6.25	6	96		15		0--40
Isophorone	0.13	0.26	ug/L	<MDL	6.51	6.48	100		30--122	6.25	7.05	113		8		0--40
2-Nitrophenol	0.13	0.26	ug/L	<MDL	6.51	4.26	65		45--113	6.25	4.82	77		12		0--40
2,4-Dimethylphenol	0.13	0.26	ug/L	<MDL	6.51	10.1	156 *		20--150	6.25	11.3	181 *		11		0--40
Bis(2-Chloroethoxy)Methane	0.13	0.26	ug/L	<MDL	6.51	6.32	97		43--125	6.25	6.7	107		6		0--40
Benzoic Acid	2.08	2.08	ug/L	<MDL	6.51	6.17	95		20--150	6.25	5.8	93		6		0--40
2,4-Dichlorophenol	0.13	0.26	ug/L	0.287	6.51	5.57	81		42--149	6.25	6.1	93		9		0--40
1,2,4-Trichlorobenzene	0.078	0.13	ug/L	<MDL	6.51	5.04	77		27--87	6.25	5.28	84		5		0--40
Naphthalene	0.21	0.391	ug/L	<MDL	6.51	5.56	85		44--113	6.25	5.88	94		6		0--40
Hexachlorobutadiene	0.13	0.26	ug/L	<MDL	6.51	5.16	79		21--107	6.25	5.18	83		0		0--40
4-Chloro-3-Methylphenol	0.26	0.521	ug/L	<MDL	6.51	5.64	87		44--135	6.25	5.59	89		1		0--40
2-Methylnaphthalene	0.21	0.391	ug/L	<MDL	6.51	5.71	88		28--124	6.25	6.18	99		8		0--40
1-Methylnaphthalene	0.21	0.391	ug/L	<MDL	6.51	6.19	95		28--124	6.25	6.72	107		8		0--40
Hexachlorocyclopentadiene	0.52	1.3	ug/L	<MDL	6.51	3.88	60		20--80	6.25	3.7	59		5		0--40
2,4,6-Trichlorophenol	0.52	1.04	ug/L	<MDL	6.51	6.12	94		63--129	6.25	6.05	97		1		0--40
2-Chloronaphthalene	0.078	0.13	ug/L	<MDL	6.51	6.37	98		51--110	6.25	6.81	109		7		0--40
Dimethyl Phthalate	0.052	0.0781	ug/L	<MDL	6.51	7.32	112		55--120	6.25	7.82	125 *		7		0--40
2,6-Dinitrotoluene	0.13	0.521	ug/L	<MDL	6.51	6.22	95		64--114	6.25	7.18	115 *		14		0--40

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City of Everett Priority Pollutants
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Acenaphthylene	0.078	0.13	ug/L	<MDL	6.51	6.57	101	59--118	6.25	7.06	113	7	0--40
Acenaphthene	0.052	0.104	ug/L	<MDL	6.51	6.43	99	49--118	6.25	6.98	112	8	0--40
2,4-Dinitrophenol	0.78	1.3	ug/L	<MDL	6.51	5.97	92	28--147	6.25	5.49	88	8	0--40
4-Nitrophenol	0.52	1.3	ug/L	<MDL	6.51	<MDL	0 *	31--147	6.25	<MDL	0 *		0--40
Dibenzofuran	0.13	0.26	ug/L	<MDL	6.51	6.87	106	56--118	6.25	7.17	115	4	0--40
2,4-Dinitrotoluene	0.13	0.521	ug/L	<MDL	6.51	6.94	107	60--126	6.25	6.94	111	0	0--40
Diethyl Phthalate	0.13	0.26	ug/L	0.13	6.51	6.91	104	60--126	6.25	6.98	110	1	0--40
4-Chlorophenyl Phenyl Ether	0.078	0.13	ug/L	<MDL	6.51	7.13	109	52--114	6.25	7.29	117 *	2	0--40
Fluorene	0.078	0.13	ug/L	<MDL	6.51	7.38	113	56--115	6.25	7.61	122 *	3	0--40
4,6-Dinitro-O-Cresol	0.52	1.3	ug/L	<MDL	6.51	4.87	75	21--145	6.25	4.73	76	3	0--40
N-Nitrosodiphenylamine	0.26	0.521	ug/L	<MDL	6.51	7.02	108	46--140	6.25	7.14	114	2	0--40
1,2-Diphenylhydrazine	0.26	0.521	ug/L	<MDL	6.51	6.82	105	22--150	6.25	7.38	118	8	0--40
4-Bromophenyl Phenyl Ether	0.052	0.0781	ug/L	<MDL	6.51	5.94	91	59--129	6.25	5.93	95	0	0--40
Hexachlorobenzene	0.078	0.13	ug/L	<MDL	6.51	6.92	106	54--128	6.25	6.92	111	0	0--40
Pentachlorophenol	0.13	0.26	ug/L	0.21	6.51	8.62	129 *	60--122	6.25	8.39	131 *	3	0--40
n-Octadecane	0.078	0.156	ug/L	<MDL	6.51	7.38	113	46--145	6.25	7.33	117	1	0--40
Phenanthrene	0.078	0.13	ug/L	<MDL	6.51	7.17	110	55--130	6.25	7.19	115	0	0--40
Anthracene	0.078	0.13	ug/L	<MDL	6.51	6.94	107	58--132	6.25	6.91	111	0	0--40
Carbazole	0.13	0.26	ug/L	<MDL	6.51	6.93	106	58--147	6.25	7.02	112	1	0--40
Di-N-Butyl Phthalate	0.13	0.26	ug/L	<MDL	6.51	7.3	112	64--135	6.25	7.22	116	1	0--40
Fluoranthene	0.078	0.156	ug/L	<MDL	6.51	6.92	106	54--146	6.25	6.81	109	2	0--40
Benzidine	7.81	23.4	ug/L	<MDL	15.6	<MDL	0 *	20--136	15	<MDL	0 *		0--40
Pyrene	0.078	0.13	ug/L	<MDL	6.51	7.44	114	56--150	6.25	7.19	115	3	0--40
Benzyl Butyl Phthalate	0.078	0.13	ug/L	<MDL	6.51	6.56	101	62--141	6.25	6.46	103	1	0--40
Benzo(a)anthracene	0.078	0.13	ug/L	<MDL	6.51	6.2	95	53--150	6.25	6.47	104	4	0--40
3,3'-Dichlorobenzidine	0.521	0.521	ug/L	<MDL	15.6	<MDL	0 *	20--150	15	<MDL	0 *		0--40
Chrysene	0.078	0.13	ug/L	<MDL	6.51	7.44	114	52--141	6.25	6.57	105	12	0--40
Bis(2-Ethylhexyl)Phthalate	0.13	0.521	ug/L	0.44	6.51	9.15	134	52--150	6.25	8.24	125	10	0--40
Di-N-Octyl Phthalate	0.078	0.13	ug/L	<MDL	6.51	7.62	117	72--140	6.25	7.04	113	8	0--40
Benzo(b,j,k)fluoranthene	0.21	0.391	ug/L	<MDL	19.5	20.8	106	63--143	18.8	19.1	102	8	0--40
Benzo(a)pyrene	0.13	0.26	ug/L	<MDL	6.51	6.33	97	74--120	6.25	6.17	99	3	0--40
Perylene	0.13	0.26	ug/L	<MDL	6.51	6.28	96	72--102	6.25	6.04	97	4	0--40
3-Methylcholanthrene	0.52	2.08	ug/L	<MDL	6.51	5.54	85	50--98	6.25	5.24	84	5	0--40
Dibenzo(a,h)acridine	0.65	2.6	ug/L	<MDL	6.51	6.25	96	39--150	6.25	5.96	95	5	0--40
Dibenzo(a,j)acridine	0.65	2.6	ug/L	<MDL	6.51	6.96	107	50--135	6.25	6.18	99	12	0--40
Indeno(1,2,3-Cd)Pyrene	0.13	0.26	ug/L	<MDL	6.51	6.93	106	51--150	6.25	6.38	102	8	0--40
Dibenzo(a,h)anthracene	0.21	0.391	ug/L	<MDL	6.51	5.6	86	48--150	6.25	5.15	82	8	0--40
Benzo(g,h,i)perylene	0.13	0.26	ug/L	<MDL	6.51	7.92	122	36--150	6.25	7.28	116	8	0--40
Dibenzo(a,e)pyrene	0.65	2.6	ug/L	<MDL	6.51	5.88	90	50--150	6.25	5.17	83	13	0--40
Benzo(r,s,t)pentaphene	0.65	2.6	ug/L	<MDL	6.51	5.3	81	43--150	6.25	4.93	79	7	0--40
Dibenzo(a,h)pyrene	0.65	2.6	ug/L	<MDL	6.51	4.03	62	20--144	6.25	3.76	60	7	0--40

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Surrogate: (Lab Limits)	2,4,6- Tribromo phenol 35--150	2-Fluoro biphenyl 30--120	2-Fluoro phenol 27--126	d14-Ter phenyl 56--150	d4-2-Chloro phenol 36--117	d5-Nitro benzene 33--129	d5-Phenol 31--142
L83736-1	86	68	57	95	60	65	53
L83736-3	94	89	74	118	82	72	82
L83736-5	69	73	73	65	80	80	77
L83773-1	91	85	77	116	83	72	73
WG193834-1	72	80	101	136	106	92	101
WG193834-2	88	78	96	112	102	82	102
WG193834-3	92	86	74	108	84	69	84
WG193834-4	96	97	79	110	90	75	91

Login: P83736
Project: 421184EV

Everett WWTP PP with liquid sludge *Resample*

FSU TC: _____
LPM: Susannah Rowles

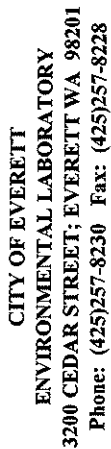
CHAIN OF CUSTODY

Relinquished by		Date	Time
Received by		Date	Time
Sample Numbers [All]			
Sample Number	P83736-1	P83736-2	P83736-3
QC Link			
Locator	FEN	FEN	SCE
Short Loc Desc	FEN	FEN	SCE
Locator Desc	CITY OF EVERETT EFFLUENT	CITY OF EVERETT EFFLUENT	CITY OF EVERETT EFFLUENT
Site	OTHER CITIES	OTHER CITIES	OTHER CITIES
Comments	24-hr composite	Grab samples - VOCs	24-hr composite
Start Date/Time			
End Date/Time			
Time Span			
Sample Depth			
Dept, Matrix, Prod (Cont ID)	7 LC BNA-INT; CLPEST; PCB (8)	7 LC VOA-GC/MS (65)	7 LC BNA-INT; CLPEST; PCB (8)

COC serves as receipt signature

Login: P83736		Everett WWTP PP with liquid sludge		FSU TC: _____	
Project: 421184EV				LPM: Susannah Rowles	
Sample Number	P83736-4	P83736-5	P83736-6		
QC Link					
Locator	SCE	PI	PI		
Short Loc Desc	SCE	PI	PI		
Locator Desc	CITY OF EVERETT EFFLUENT	CITY OF EVERETT INFLUENT	CITY OF EVERETT INFLUENT		
Site	OTHER CITIES	OTHER CITIES	OTHER CITIES		
Comments	Grab samples - VOCs	24-hr composite	Grab samples - VOCs		
Start Date/Time					
End Date/Time					
Time Span					
Sample Depth					
Dept, Matrix, Prod (Cont ID)	7 LC VOA-GC/MS (65)	7 LB BNA-INT; CLPEST; PCB (8)	7 LB VOA-GC/MS (65)		

Login: P83736		Everett WWTP PP with liquid sludge		FSU TC: _____	
Project: 421184EV				LPM: Susannah Rowles	
Sample Number	P83736-7	P83736-8	P83736-9		
QC Link					
Locator	TRIPBLANK	TRIPBLANK	WSS		
Short Loc Desc			WSS		
Locator Desc	TRIP BLANK	TRIP BLANK	CITY OF EVERETT LIQUID SLUDGE		
Site	METRO	METRO	OTHER CITIES		
Comments	VOC trip blanks	VOC trip blanks			
Start Date/Time					
End Date/Time					
Time Span					
Sample Depth					
Dept, Matrix, Prod (Cont ID)	7 LN VOA-GC/MS (65)	7 LN VOA-GC/MS (65)	3 SD TOTS (17) 7 SD BNA-INT-QL; CLPEST-QL; PCB-QL (24) 7 SD VOA-GC/MS-QL (18)		



PROJECT #
66267

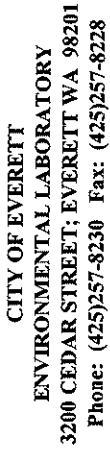
--INDICATE: LAB PERFORMING ANALYSIS / # OF CONTAINERS--

*Relinquished:	<i>Amia Burgess</i>	Received:	<i>Tim Miller</i>	Date: 3-10-11	Time: 11:16
*Relinquished:	<i>Gregory</i>	Received:	<i>William Brown</i>	Date: 1/30/14	Time: 11:16
*Relinquished:		Received:		Date:	Time:

KEEL LABS ID	Sample Description
BB736	- 1 FEN
"	- 2 1/2 " A
"	- 3 " B
"	- 4 " C
"	- 1 " D

Disregard.
none
4/30/24

**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 third parties upon their request pursuant to RCW Chap. 42.17.*



PROJECT #
66267

Analyses Requested

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

CHAIN OF CUSTODY

COMMENTS

624 VOA analyses - PI sites A-D to be comp
FB Samples to be composited on instrument

***WSS - One container for both 625/608

*VOA field blanks collected. Discard if not needed per lab discretion.

**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.*

Login Number(s): 83736 (1-8)		Project No.: 42188EV		Sub-Contracting: Y/N	
Collect Date(s): 4/23/24, 30/2024		Receive Date: 4/30/24		Changes: Y/N	
FIELD PRESERVATION CHECKLIST (Circle and/or check applicable selections)					
CONDITION		Acceptable?	Comment ID	PRODUCT / Preservation	SM Action
Labels / Fieldsheets	Y/N	Y/N		BNA / pH 6 - 9 w/ H ₂ SO ₄ or NaOH	✓ field sheet for F. pH
Container	Y/N	Y/N		CN / pH > 12 w/ NaOH within 15 min	Check pH
Temperature (w/ ice)	Y/N/NA	Y/N		NO23 pH < 2 w/ H ₂ SO ₄	Check pH
BOTTLE COUNT (#) AND DESCRIPTION AND SAMPLE NUMBERS		CR(VI) / TOTOR(VI) / pH 9.3 - 9.7 w/ NaOH w/in 15 min			
Bottle Description: Sample Numbers		ICP / HG-CVAA-M / pH < 2 w/ HNO ₃			
60 mL clear vial (VOA): 2, 4, 6, 7, 8		O&G / HEM / PHENOL / pH < 2 w/ H ₂ SO ₄			
60 mL clear glass (PHYTO):		PHYTOPLANKTON / Lugols			
60 mL CWM HDPE:		TKN / COD pH < 2 w/ H ₂ SO ₄ within 15 min			
125 mL AWM HDPE:		TOC / pH < 2 w/ HCl (NPDES only)			
125 mL CWM HDPE:		TOTSULFIDE / pH > 9 w/ NaOH, ZnAc			
125 mL CWM HDPE:		WDO / FIXED			
125 mL GANN:		Other:			
125 mL GANN w/HCl		Other:			
250 mL AWM HDPE:		ROUTINE SM PRESERVATION CHECKLIST (Circle and/or check applicable selections)			
250 mL CWM HDPE:		PRODUCT / Preservation			
250 mL CWM HDPE (MICRO):		Chlorinated Pesticides / pH 5 - 9 w/ H ₂ SO ₄ or NaOH			
250 mL CWM HDPE (MICRO):		HG-CVAA-L-Tellon (T/D) / pH < 2 w/ ULTRA HCl			
250 mL GAWM:		ICPMS / HG-CVAA-M (T/D) / pH < 2 w/ ULTRA HNO ₃			
250 mL GAWM w/ H ₂ SO ₄ :		TOC / pH < 2 w/ HCl			
300 mL WDO (8 hour HT):		Other:			
500 mL AWM HDPE:		Other:			
500 mL CWM HDPE:		INTERFERENCE TEST (Circle and/or check applicable selections)			
500 mL CWM PP (MICRO):		Product / Interference (SM Action)			
500 mL HDPE (METALS):		BNA / Chlorine (Check documentation)			
500 mL HDPE, double-bagged (METALS):		CN / Chlorine (Check documentation)			
500 mL Teflon (Hg):		CN / Sulfide (Check field sheet for DF)			
500 mL Teflon, double-bagged (METALS):		VOA / Chlorine (Check documentation)			
500 mL GANN / GAWM:		Other:			
500 mL Polystyrene Filtration Units (METALS):		HEADSPACE CHECK			
1L AWM HDPE:		PRODUCT (SM Action)			
1L CWM HDPE:		MICRO (Visually inspect)			
1L CWM PP (MICRO):		TOTSULFIDE (Visually inspect)			
1L GANN:		VOA (Visually inspect)			
1L GCWM:		WDO (Visually inspect)			
1L GAWM w/ H ₂ SO ₄ :		Other:			
2L CWM HDPE:		FIELD FILTRATION CHECKLIST (Circle and/or check applicable selections)			
Other: 1L 500 mL New ANNA Glass w/ PP Case: 1, 3, 5		PRODUCT (SM Action)			
MVA 4/23/24 COMMENTS/NOTIFICATIONS		Field Filtered			
		Field Blank			
		Corrective Action			
		ORTHOP (Check Field Sheet)			
		NO2 / NO3 / NO23 / NH3 / Si (Documentation)			
		Dissolved Metals (Check Field Sheet)			
		DOC (Deliver / Notify Unit)			
		PCOD / CR(VI) (Deliver / Notify Unit)			
		Other:			

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.

Date / Time Completed:

5-24 000

SOLID SAMPLE RECEIPT RECORD

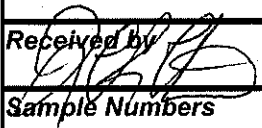
LOGIN NUMBER(S): <u>83736(9)</u> COLLECT DATE(S): <u>4/29/24</u>		PROJECT NUMBER: <u>42684 EV</u> DATE RECEIVED: <u>4/30/24</u>		SUBCONTRACT: <u>Y/N</u> CHANGES: <u>Y/N</u>		Product(s): Parameter(s):		
CONDITION Labels / Fieldsheets Containers Temperature (w/ ice)		ACCEPTABLE? Y / N Y / N Y / N		COMMENT ID _____ _____ _____		PRESERVATION CHECKLIST Product / Preservation TOTSULFIDE / ZnAc Other: Other:		
CONDITION Sample Volumes Holding Times Delivery Location		ACCEPTABLE? Y / N Y / N Y / N		COMMENT ID _____ _____ _____		PRESERVATION CHECKLIST Product / Preservation TOTSULFIDE / ZnAc Other: Other:		
SAMPLE CONTAINER DESCRIPTION AND COUNT								
Container Description	AQUATOX		CONVENTIONALS		METALS		ORGANICS	
	#	Sample No.	#	Sample No.	#	Sample No.	#	Sample No.
4oz PP CWM	3	913064	1	913064				
8oz PP CWM								
16oz PP CWM								
4oz GCWM								
8oz GCWM								
16oz GCWM								
2L GCWM								
Specimen Cup								
Other								
COMMENTS/NOTIFICATIONS								
CC: <input type="checkbox"/> AQUATOX, <input type="checkbox"/> CONV, <input type="checkbox"/> METALS, <input type="checkbox"/> MICRO, <input type="checkbox"/> ORG, <input type="checkbox"/> _____ SIGNATURE: <u>Shirley Kase</u> Date / Time: _____ APR 30 '24 13:37								

Login: P83773
Project: 421184EV

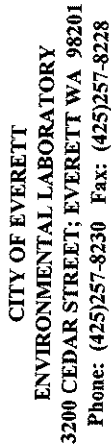
Everett WWTP PP QC Sample

FSU TC: _____
LPM: Susannah Rowles

CHAIN OF CUSTODY

Relinquished by	Date	Time
Received by 	Date 5-2-24	Time 1052
Sample Numbers		[All]

Sample Number	P83773-1	
QC Link		
Locator	SCE	
Short Loc Desc	SCE	
Locator Desc	CITY OF EVERETT EFFLUENT	
Site	OTHER CITIES	
Comments	24-hr composite	
Start Date/Time		
End Date/Time		
Time Span		
Sample Depth		
Dept, Matrix, Prod (Cont ID)	7 LC BNA-INT; CLPEST; PCB (8)	



PROJECT #
66298

Date: 04/30/24

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

COMMENTS: 12 bottles total

**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.*

LIQUID SAMPLE RECEIPT RECORD

Login Number(s): 83773-1		Project No.: 424184		Sub-Contracting: Y / N		List Product(s):	
Collect Date(s): 5-2-24		Receive Date: 5-2-24		Charges: Y / N		List Parameter(s):	
<div> <div> <div>CONDITION</div> <div>Acceptable?</div> <div>Comment ID</div> </div> <div> <div>CONDITION</div> <div>Acceptable?</div> <div>Comment ID</div> </div> </div>							
<div> <div>Labels / Fieldsheets</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>Container</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>Temperature (w/ ice)</div> <div>Y / N / NA</div> <div>Y / N</div> </div>							
<div> <div>BOTTLE COUNT (#) AND DESCRIPTION</div> <div>Sample Numbers</div> </div>							
<div> <div>40 mL clear vial (VOA):</div> <div>60 mL clear glass (PHYTO):</div> <div>60 mL CWM HDPE:</div> <div>125 mL AWM HDPE:</div> <div>125 mL CNM HDPE:</div> <div>125 mL CWM HDPE:</div> <div>125 mL GNM:</div> <div>125 mL GNM w/HCl</div> <div>250 mL AWM HDPE:</div> <div>250 mL CWM HDPE:</div> <div>250 mL CWM HDPE (MICRO):</div> <div>250 mL GAWM:</div> <div>250 mL GAWM w/ H2SO4:</div> <div>300 mL WDO (8 hour HT):</div> <div>500 mL AWM HDPE:</div> <div>500 mL CWM HDPE:</div> <div>500 mL CWM PP (MICRO):</div> <div>500 mL HDPE (METALS):</div> <div>500 mL HDPE, double-bagged (METALS):</div> <div>500 mL Teflon (Hg):</div> <div>500 mL Teflon, double-bagged (METALS):</div> <div>500 mL GNM / GAWM:</div> <div>500 mL Polystyrene Filtration Units (METALS):</div> <div>1L AWM HDPE:</div> <div>1L CWM HDPE:</div> <div>1L CWM PP (MICRO):</div> <div>1L GNM:</div> <div>1L GAWM:</div> <div>1L GAWM w/ H2SO4:</div> <div>2L CWM HDPE:</div> <div>Other:</div> </div>							
<div> <div>FIELD PRESERVATION CHECKLIST (Circle and/or check applicable selections)</div> <div>PRODUCT / Preservation</div> <div>SM Action</div> <div>Acceptable?</div> <div>Corrective Action</div> </div>							
<div> <div>BNM / pH 6 - 9 w/ H2SO4 or NaOH</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>CN / pH > 12 w/ NaOH within 15 min</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>NO23 pH < 2 w/ H2SO4</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>CR(VI) / TOTCR(VI) / pH 9.3 - 9.7 w/ NaOH w/in 15 min</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>ICP / HG-CVAA-M / pH < 2 w/ HNO3</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>O&G / HEM / PHENOL / pH < 2 w/ H2SO4</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>PHYTOPLANKTON / Lugols</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>TKN / COD pH < 2 w/ H2SO4 within 15 min</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>TOC / pH < 2 w/ HCl (NDES only)</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>TOTSULFIDE / pH > 9 w/ NaOH, ZnAc</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>WDO / FIXED</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>Other:</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>ROUTINE SM PRESERVATION CHECKLIST (Circle and/or check applicable selections)</div> <div>PRODUCT / Preservation</div> <div>SM Action</div> <div>Acceptable?</div> <div>Corrective Action</div> </div>							
<div> <div>Chlorinated Pesticides / pH 5 - 9 w/ H2SO4 or NaOH</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>HG-CVAA-L-Teflon (T / D) / pH < 2 w/ ULTRA HCl</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>ICPMS / HG-CVAA-M (T / D) / pH < 2 w/ ULTRA HNO3</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>TOC / pH < 2 w/ HCl</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>Other:</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>INTERFERENCE TEST (Circle and/or check applicable selections)</div> <div>Product / Interference (SM Action)</div> <div>Positive Test?</div> <div>Treated</div> <div>Corrective Action</div> </div>							
<div> <div>BNM / Chlorine (Check documentation)</div> <div>Y / N / not tested</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>CN / Chlorine (Check documentation)</div> <div>Y / N / not tested</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>CN / Sulfide (Check field sheet for DF)</div> <div>Y / N / not tested</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>VOA / Chlorine (Check documentation)</div> <div>Y / N / not tested</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>Other:</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>HEADSPACE CHECK</div> <div>PRODUCT (SM Action)</div> <div>Check For</div> <div>Acceptable?</div> <div>Corrective Action</div> </div>							
<div> <div>MICRO (Visually inspect)</div> <div>Headspace (< 1")</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>TOTSULFIDE (Visually inspect)</div> <div>Headspace (< 1")</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>VOA (Visually inspect)</div> <div>Zero headspace</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>WDO (Visually inspect)</div> <div>Zero headspace</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>Other:</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>FIELD FILTRATION CHECKLIST (Circle and/or check applicable selections)</div> <div>Product (SM Action)</div> <div>Field Filtered</div> <div>Field Blank</div> <div>Corrective Action</div> </div>							
<div> <div>ORTHOP (Check Field Sheet)</div> <div>Y (within 15 min y / n) / N</div> <div>Y / N</div> <div>Y / N</div> </div>							
<div> <div>NO2 / NO3 / NO23 / NH3 / SI (Documentation)</div> <div>Y (within 1 day y / n) / N</div> <div>Y / N / NA</div> <div>Y / N</div> </div>							
<div> <div>Dissolved Metals (Check Field Sheet)</div> <div>Y (within 15 min y / n) / N</div> <div>Y / N / NA</div> <div>Y / N</div> </div>							
<div> <div>DOC (Deliver / Notify Unit)</div> <div>Y (within 15 min or 1 day) / N</div> <div>Y / N / NA</div> <div>Y / N</div> </div>							
<div> <div>SCOD / CR(VI) (Deliver / Notify Unit)</div> <div>Y (within 15 min y / n) / N</div> <div>Y / N / NA</div> <div>Y / N</div> </div>							
<div> <div>Other:</div> <div>Y / N</div> <div>Y / N</div> <div>Y / N</div> </div>							

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

NOTES

1. Deliver dissolved Hg-CVAF samples for METALS for filtration.

2. Deliver double-bagged metal samples to METALS for preservation.

3. Do not test pH for preserved BNM and TOTSULFIDE samples.

SM Signature:

Date / Time Completed:

MAY 02 24 10:54