

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067725

Client: CITY OF EVERETT - IPT

Date Received: 10/30/24

Program: IPT - EWPCF

Data Release: CM

Contact: ANNA PENNINGTON

Date Reported: 05/30/25

| BQ80014 - FEN | | Sample Date/Time: 10/29/24 07:30 | | | | Sampler: AP / CJ | | |
|---------------------|------------|----------------------------------|------|-------|-------|------------------|----------------|---------|
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Cyanide | EPA 1631E | <0.005 | | | | mg/L | 11/26/24 13:56 | CM |
| HEM | | <6 | | | | mg/L | 11/26/24 13:54 | CM |
| HEM - Non-Polar | | <6 | | | | mg/L | 11/26/24 13:54 | CM |
| HEM - Polar | | <6 | | | | mg/L | 11/26/24 13:54 | CM |
| Mercury Low | | 13.2 | | | | ng/L | 01/06/25 12:49 | CM |
| Phenolics | | <0.04 | | | | mg/L | 11/26/24 13:56 | CM |
| TOC | | 20.96 | | | | mg/L | 11/26/24 13:56 | CM |
| | | | | | | | | |
| METALS(T) | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Antimony Low Level | 200.8 | 0.8 J | | 0.3 | 1.2 | µg/L | 12/11/24 17:37 | DV |
| Arsenic Low Level | 200.8 | 2.4 | | 0.1 | 0.4 | µg/L | 12/11/24 17:37 | DV |
| Beryllium Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:37 | DV |
| Cadmium Low Level | 200.8 | 0.10 J | | 0.06 | 0.24 | µg/L | 12/11/24 17:37 | DV |
| Chromium Low Level | 200.8 | 1.3 | | 0.3 | 1.2 | µg/L | 12/11/24 17:37 | DV |
| Cobalt | 200.8 | 0.6 J | | 0.4 | 1.6 | µg/L | 12/11/24 17:37 | DV |
| Copper Low Level | 200.8 | 6.6 | | 0.8 | 3.2 | µg/L | 12/11/24 17:37 | DV |
| Lead Low Level | 200.8 | 2.8 | | 0.1 | 0.4 | µg/L | 12/11/24 17:37 | DV |
| Manganese Low Level | 200.8 | 112 | | 0.4 | 1.6 | µg/L | 12/11/24 17:37 | DV |
| Mercury | 245.1 | 0.015 J | | 0.010 | 0.040 | µg/L | 11/07/24 14:44 | DV |
| Molybdenum | 200.8 | 5.3 | | 0.4 | 1.6 | µg/L | 12/11/24 17:37 | DV |
| Nickel Low Level | 200.8 | 3.1 J | | 1.3 | 5.2 | µg/L | 12/11/24 17:37 | DV |
| Selenium | 200.8 | 0.5 J | | 0.4 | 1.6 | µg/L | 12/11/24 17:37 | DV |
| Silver Low Level | 200.8 | 0.28 J | | 0.09 | 0.36 | µg/L | 12/11/24 17:37 | DV |
| Thallium Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:37 | DV |
| Tin | 200.8 | <2.5 | | 2.5 | 10.0 | µg/L | 12/11/24 17:37 | DV |
| Titanium | NOT ACCRED | 8 J | | 6.3 | 25.2 | µg/L | 12/11/24 17:37 | DV |
| Vanadium | 200.8 | 1.3 J | | 0.6 | 2.4 | µg/L | 12/11/24 17:37 | DV |
| Zinc Low Level | 200.8 | 15 J | | 3.8 | 15.2 | µg/L | 12/11/24 17:37 | DV |

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067725

Client: CITY OF EVERETT - IPT Date Received: 10/30/24
Program: IPT - EWPCF Data Release: CM
Contact: ANNA PENNINGTON Date Reported: 05/30/25

| BQ80015 | | - | SCE | | Sample Date/Time: | | | 10/29/24 07:45 | | Sampler: | | AP / CJ | |
|--------------------------|--|------------|---------|------|-------------------|-------|-------|----------------|--|----------|--|---------|--|
| CONTRACT | | Method | Results | Qual | MDL | PQL | Units | Analysis Time | | Analyst | | | |
| Cyanide | | | <0.005 | | | | mg/L | 11/26/24 13:56 | | CM | | | |
| Dis. Hexavalent Chromium | | | 0.048 | | | | µg/L | 11/14/24 13:24 | | 046 | | | |
| HEM | | | <5 | | | | mg/L | 11/26/24 13:56 | | CM | | | |
| HEM - Non-Polar | | | <5 | | | | mg/L | 11/26/24 13:56 | | CM | | | |
| HEM - Polar | | | <5 | | | | mg/L | 11/26/24 13:56 | | CM | | | |
| Mercury Low | | EPA 1631E | 3.1 | | | | ng/L | 01/06/25 12:49 | | CM | | | |
| Phenolics | | | <0.04 | | | | mg/L | 11/26/24 13:56 | | CM | | | |
| TOC | | | 16.91 | | | | mg/L | 11/26/24 13:56 | | CM | | | |
| METALS(T) | | Method | Results | Qual | MDL | PQL | Units | Analysis Time | | Analyst | | | |
| Antimony Low Level | | 200.8 | 0.9 J | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | | DV | | | |
| Arsenic Low Level | | 200.8 | 0.8 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | | DV | | | |
| Beryllium Low Level | | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | | DV | | | |
| Cadmium Low Level | | 200.8 | <0.06 | | 0.06 | 0.24 | µg/L | 12/11/24 17:38 | | DV | | | |
| Chromium Low Level | | 200.8 | 0.5 J | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | | DV | | | |
| Cobalt | | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | | DV | | | |
| Copper Low Level | | 200.8 | 4.7 | | 0.8 | 3.2 | µg/L | 12/11/24 17:38 | | DV | | | |
| Lead Low Level | | 200.8 | 0.3 J | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | | DV | | | |
| Manganese Low Level | | 200.8 | 52.0 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | | DV | | | |
| Mercury | | 245.1 | <0.010 | | 0.010 | 0.040 | µg/L | 11/07/24 14:44 | | DV | | | |
| Molybdenum | | 200.8 | 1.7 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | | DV | | | |
| Nickel Low Level | | 200.8 | 2.1 J | | 1.3 | 5.2 | µg/L | 12/11/24 17:38 | | DV | | | |
| Selenium | | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | | DV | | | |
| Silver Low Level | | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | | DV | | | |
| Thallium Low Level | | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | | DV | | | |
| Tin | | 200.8 | <2.5 | | 2.5 | 10.0 | µg/L | 12/11/24 17:38 | | DV | | | |
| Titanium | | NOT ACCRED | <6.3 | | 6.3 | 25.2 | µg/L | 12/11/24 17:38 | | DV | | | |
| Vanadium | | 200.8 | <0.6 | | 0.6 | 2.4 | µg/L | 12/11/24 17:38 | | DV | | | |
| Zinc Low Level | | 200.8 | 25 | | 3.8 | 15.2 | µg/L | 12/11/24 17:38 | | DV | | | |

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067725

Client: CITY OF EVERETT - IPT

Date Received: 10/30/24

Program: IPT - EWPCF

Data Release: CM

Contact: ANNA PENNINGTON

Date Reported: 05/30/25

| BQ80016 - PI | | Sample Date/Time: 10/29/24 07:50 | | | | Sampler: AP / CJ | | |
|---------------------|------------|----------------------------------|------|-------|-------|------------------|----------------|---------|
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Cyanide | EPA 1631E | <0.005 | | | | mg/L | 11/26/24 13:56 | CM |
| HEM | | 22 | | | | mg/L | 11/26/24 13:56 | CM |
| HEM - Non-Polar | | <5 | | | | mg/L | 11/26/24 13:56 | CM |
| HEM - Polar | | 20 | | | | mg/L | 11/26/24 13:56 | CM |
| Mercury Low | | 0.2 | | | | ng/L | 01/06/25 12:49 | CM |
| Phenolics | | <0.04 | | | | mg/L | 11/26/24 13:56 | CM |
| METALS(T) | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Antimony Low Level | 200.8 | 1.2 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Arsenic Low Level | 200.8 | 1.0 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Beryllium Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Cadmium Low Level | 200.8 | 0.18 J | | 0.06 | 0.24 | µg/L | 12/11/24 17:38 | DV |
| Chromium Low Level | 200.8 | 3.2 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Cobalt | 200.8 | 0.6 J | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Copper Low Level | 200.8 | 33.7 | | 0.8 | 3.2 | µg/L | 12/11/24 17:38 | DV |
| Lead Low Level | 200.8 | 2.4 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Manganese Low Level | 200.8 | 110 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Mercury | 245.1 | 0.074 | | 0.010 | 0.040 | µg/L | 11/07/24 14:44 | DV |
| Molybdenum | 200.8 | 2.0 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Nickel Low Level | 200.8 | 4.0 J | | 1.3 | 5.2 | µg/L | 12/11/24 17:38 | DV |
| Selenium | 200.8 | 0.7 J | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Silver Low Level | 200.8 | 0.29 J | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Thallium Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Tin | 200.8 | <2.5 | | 2.5 | 10.0 | µg/L | 12/11/24 17:38 | DV |
| Titanium | NOT ACCRED | 19 J | | 6.3 | 25.2 | µg/L | 12/11/24 17:38 | DV |
| Vanadium | 200.8 | 1.6 J | | 0.6 | 2.4 | µg/L | 12/11/24 17:38 | DV |
| Zinc Low Level | 200.8 | 154 | | 3.8 | 15.2 | µg/L | 12/11/24 17:38 | DV |

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067725

Client: CITY OF EVERETT - IPT

Date Received: 10/30/24

Program: IPT - EWPCF

Data Release: CM

Contact: ANNA PENNINGTON

Date Reported: 05/30/25

| BQ80017 - WSS | | Sample Date/Time: 10/29/24 15:15 | | | | Sampler: AP / CJ | | |
|------------------|----------|----------------------------------|------|-------|-------|------------------|----------------|---------|
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Cyanide | | <15.4 | | | | mg/kg | 11/26/24 13:56 | CM |
| Phenolics mg/kg | | <343 | | | | mg/kg | 11/26/24 13:56 | CM |
| Total Solids % | | 0.28 | | | | | 11/26/24 13:56 | CM |
| CONVENTIONALS | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| % TS | SM2540-G | 0.26 | | | | % | 11/19/24 09:48 | DV |
| FIELD | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| pH Field | | 6.97 | | | | SU | 10/29/24 15:15 | AP / CJ |
| METALS(S) | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Antimony mg/kg | 6020B | 3.32 J | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Arsenic mg/kg | 6020B | 3.60 J | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Beryllium mg/kg | 6020B | <1.39 | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Cadmium mg/kg | 6020B | 1.55 J | | 0.927 | 3.710 | mg/kg | 12/03/24 10:43 | DV |
| Chromium mg/kg | 6020B | 29.0 | | 2.32 | 9.2 | mg/kg | 12/03/24 10:43 | DV |
| Cobalt mg/kg | 6020B | 3.03 J | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Copper mg/kg | 6020B | 264 | | 2.78 | 11.1 | mg/kg | 12/03/24 10:43 | DV |
| Lead mg/kg | 6020B | 26.7 | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Manganese mg/kg | 6020B | 506 | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Mercury mg/kg | 7471 | 0.371 | | 0.001 | 0.004 | mg/kg | 11/19/24 09:50 | DV |
| Molybdenum mg/kg | 6020B | 6.20 | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Nickel mg/kg | 6020B | 16.8 J | | 4.63 | 18.5 | mg/kg | 12/03/24 10:43 | DV |
| Selenium mg/kg | 6020B | 3.03 J | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Silver mg/kg | 6020B | 2.25 J | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Thallium mg/kg | 6020B | <1.39 | | 1.39 | 5.5 | mg/kg | 12/03/24 10:43 | DV |
| Tin mg/kg | 6020B | 10.9 J | | 9.27 | 37.0 | mg/kg | 12/03/24 10:43 | DV |
| Vanadium mg/kg | 6020B | 12.3 | | 2.32 | 9.2 | mg/kg | 12/03/24 10:43 | DV |
| Zinc mg/kg | 6020B | 901 | | 13.9 | 55.6 | mg/kg | 12/03/24 10:43 | DV |

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067725

Client: CITY OF EVERETT - IPT Date Received: 10/30/24
Program: IPT - EWPCF Data Release: CM
Contact: ANNA PENNINGTON Date Reported: 05/30/25

| BQ80018 - FEN FB | | | | Sample Date/Time: 10/29/24 07:30 | | Sampler: AP / CJ | | |
|---------------------|------------|---------|------|----------------------------------|-------|------------------|----------------|---------|
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Mercury Low | EPA 1631E | <0.2 | J | | | ng/L | 01/06/25 12:49 | CM |
| METALS(T) | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Antimony Low Level | 200.8 | <0.3 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Arsenic Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Beryllium Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Cadmium Low Level | 200.8 | <0.06 | | 0.06 | 0.24 | µg/L | 12/11/24 17:38 | DV |
| Chromium Low Level | 200.8 | <0.3 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Cobalt | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Copper Low Level | 200.8 | <0.8 | | 0.8 | 3.2 | µg/L | 12/11/24 17:38 | DV |
| Lead Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Manganese Low Level | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Mercury | 245.1 | <0.010 | | 0.010 | 0.040 | µg/L | 11/07/24 14:44 | DV |
| Molybdenum | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Nickel Low Level | 200.8 | <1.3 | | 1.3 | 5.2 | µg/L | 12/11/24 17:38 | DV |
| Selenium | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Silver Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Thallium Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Tin | 200.8 | <2.5 | | 2.5 | 10.0 | µg/L | 12/11/24 17:38 | DV |
| Titanium | NOT ACCRED | <6.3 | | 6.3 | 25.2 | µg/L | 12/11/24 17:38 | DV |
| Vanadium | 200.8 | <0.6 | | 0.6 | 2.4 | µg/L | 12/11/24 17:38 | DV |
| Zinc Low Level | 200.8 | <3.8 | | 3.8 | 15.2 | µg/L | 12/11/24 17:38 | DV |

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067725

Client: CITY OF EVERETT - IPT Date Received: 10/30/24
Program: IPT - EWPCF Data Release: CM
Contact: ANNA PENNINGTON Date Reported: 05/30/25

| BQ80019 - SCE FB | | Sample Date/Time: 10/29/24 07:45 | | | | Sampler: AP / CJ | | |
|---------------------|------------|----------------------------------|------|-------|-------|------------------|----------------|---------|
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Mercury Low | EPA 1631E | <0.2 | | | | ng/L | 01/06/25 12:49 | CM |
| | | | | | | | | |
| METALS(T) | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Antimony Low Level | 200.8 | <0.3 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Arsenic Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Beryllium Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Cadmium Low Level | 200.8 | <0.06 | | 0.06 | 0.24 | µg/L | 12/11/24 17:38 | DV |
| Chromium Low Level | 200.8 | <0.3 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Cobalt | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Copper Low Level | 200.8 | <0.8 | | 0.8 | 3.2 | µg/L | 12/11/24 17:38 | DV |
| Lead Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Manganese Low Level | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Mercury | 245.1 | <0.010 | | 0.010 | 0.040 | µg/L | 11/07/24 14:44 | DV |
| Molybdenum | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Nickel Low Level | 200.8 | <1.3 | | 1.3 | 5.2 | µg/L | 12/11/24 17:38 | DV |
| Selenium | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Silver Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Thallium Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Tin | 200.8 | <2.5 | | 2.5 | 10.0 | µg/L | 12/11/24 17:38 | DV |
| Titanium | NOT ACCRED | <6.3 | | 6.3 | 25.2 | µg/L | 12/11/24 17:38 | DV |
| Vanadium | 200.8 | <0.6 | | 0.6 | 2.4 | µg/L | 12/11/24 17:38 | DV |
| Zinc Low Level | 200.8 | <3.8 | | 3.8 | 15.2 | µg/L | 12/11/24 17:38 | DV |

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067725

Client: CITY OF EVERETT - IPT Date Received: 10/30/24
Program: IPT - EWPCF Data Release: CM
Contact: ANNA PENNINGTON Date Reported: 05/30/25

| BQ80020 - PI FB | | Sample Date/Time: 10/29/24 07:50 | | | | Sampler: AP / CJ | | |
|---------------------|------------|----------------------------------|------|-------|-------|------------------|----------------|---------|
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Mercury Low | EPA 1631E | <0.2 | | | | ng/L | 01/06/25 12:49 | CM |
| | | | | | | | | |
| METALS(T) | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Antimony Low Level | 200.8 | <0.3 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Arsenic Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Beryllium Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Cadmium Low Level | 200.8 | <0.06 | | 0.06 | 0.24 | µg/L | 12/11/24 17:38 | DV |
| Chromium Low Level | 200.8 | <0.3 | | 0.3 | 1.2 | µg/L | 12/11/24 17:38 | DV |
| Cobalt | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Copper Low Level | 200.8 | <0.8 | | 0.8 | 3.2 | µg/L | 12/11/24 17:38 | DV |
| Lead Low Level | 200.8 | <0.1 | | 0.1 | 0.4 | µg/L | 12/11/24 17:38 | DV |
| Manganese Low Level | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Mercury | 245.1 | <0.010 | | 0.010 | 0.040 | µg/L | 11/07/24 14:44 | DV |
| Molybdenum | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Nickel Low Level | 200.8 | <1.3 | | 1.3 | 5.2 | µg/L | 12/11/24 17:38 | DV |
| Selenium | 200.8 | <0.4 | | 0.4 | 1.6 | µg/L | 12/11/24 17:38 | DV |
| Silver Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Thallium Low Level | 200.8 | <0.09 | | 0.09 | 0.36 | µg/L | 12/11/24 17:38 | DV |
| Tin | 200.8 | <2.5 | | 2.5 | 10.0 | µg/L | 12/11/24 17:38 | DV |
| Titanium | NOT ACCRED | <6.3 | | 6.3 | 25.2 | µg/L | 12/11/24 17:38 | DV |
| Vanadium | 200.8 | <0.6 | | 0.6 | 2.4 | µg/L | 12/11/24 17:38 | DV |
| Zinc Low Level | 200.8 | <3.8 | | 3.8 | 15.2 | µg/L | 12/11/24 17:38 | DV |



Analytical Resources, LLC
Analytical Chemists and Consultants
Tukwila, WA

22 November 2024

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

RE: General (67725)

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

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

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

Associated Work Order(s)
24J0660

Associated SDG ID(s)
N/A

Phillip
Bates

Digitally signed by
Phillip Bates
Date: 2024.11.22
15:26:23 -08'00'

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

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

Analytical Resources, LLC

Phillip Bates, Project Manager

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





**CITY OF EVERETT
ENVIRONMENTAL LABORATORY
Ph: 425.257.8230 Fax 425.257.8228**

Sample Dropoff: 4027 4th St SE, Everett WA 98201
Mailing Address: 3200 Cedar ST, Everett WA 98201

ENVIRONMENTAL ANALYSIS REQUEST CHAIN OF CUSTODY

PROJECT #

67725

(Lab Use Only)

Date: **10/30/24**

| | | | | | | | | | | | | | | |
|---|-------------|-----------------------------|---|--------------|-----------|---|-------------|---------|-----------------|-------|------------------------|-------|------|-----------------|
| Client: City of Everett | | | | | | Address: 3200 Cedar St Everett, WA 98201 | | | | | | | | |
| Program/ Project: IPT - Quarterly | | | Site/ Address: EWPCF | | | | | | | | | | | |
| Phone: 425.257.8240 | | | Sampler: Anna Pennington/ Charles Johnstone | | | Requested By: Shane Sinclair | | | | | | | | |
| E-Mail: ssinclair@everettwa.gov / apennington@everettwa.gov | | | | | | Analyses Requested | | | | | | | | |
| Sample Description: | | LIMS ID # (Lab Use Only) | Sample Matrix: SW - Surface Water WW - Wastewater W - Water GW - Ground Water S - Solid FB - Field Blank Other | | | ↓ | HEM/SGT-HEM | Cyanide | Phenolics 420.1 | TOC | % TS | | | # of Containers |
| | | | Sample Date | Sample Time | Comp Grab | | | | | | | | | |
| FEN | BQ80014 | 10/29 | 730 | Comp | WW | 4/ARI | 1/ARI | 1/ARI | 1/ARI | | | | | 7 |
| SCE | BQ80015 | 10/29 | 745 | Comp | WW | 4/ARI | 1/ARI | 1/ARI | 1/ARI | | | | | 7 |
| PI | BQ80016 | 10/29 | 750 | Comp | WW | 4/ARI | 1/ARI | 1/ARI | | | | | | 6 |
| WSS | BQ80017 | 10/29 | 1515 | Grab | S | | 1/ARI | 1/ARI | | 1/ARI | | | | 3 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Cooler? | Y / N | Ice? | Y / N | Sample Temp: | °C | | | | | | Total # of Containers: | 23 | | |
| Relinquished*: | | | | | Received: | | | | | | | | | |
| 1) | [Signature] | | | | 1) | [Signature] | | | | Date: | 10-30-24 | Time: | 1145 | |
| 2) | [Signature] | | | | 2) | [Signature] | | | | Date: | 10/30/24 | Time: | 1650 | |
| 3) | | | | | 3) | | | | | Date: | | Time: | | |

COMMENTS:

| | FEN | SCE | PI | WSS |
|---|------|------|------|------|
| 1 | 730 | 745 | 750 | X |
| 2 | 1030 | 1045 | 1050 | X |
| 3 | 1430 | 1445 | 1515 | 1510 |
| 4 | 730 | 745 | 750 | X |

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-------------------|-------------------|
| BQ80014 | 24J0660-01 | Water | 29-Oct-2024 07:30 | 31-Oct-2024 10:40 |
| BQ80015 | 24J0660-02 | Water | 29-Oct-2024 07:45 | 31-Oct-2024 10:40 |
| BQ80016 | 24J0660-03 | Water | 29-Oct-2024 07:50 | 31-Oct-2024 10:40 |
| BQ80017 | 24J0660-04 | Solid | 29-Oct-2024 15:15 | 31-Oct-2024 10:40 |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Work Order Case Narrative

Client: City of Everett
Project: General
Project Number: 67725
Work Order: 24J0660

Sample receipt

The sample(s) as listed on the preceding page were received 31-Oct-2024 10:40 under ARI work order 24J0660. For details regarding sample receipt, please refer to the Cooler Receipt Form.

Wet Chemistry

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

Initial and continuing calibrations were within method requirements.

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

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

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits.



WORK ORDER

24J0660

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

Client: City of Everett

Project Manager: Phillip Bates

Project: General

Project Number: 67725

Preservation Confirmation

| Container ID | Container Type | pH |
|--------------|--|--------------|
| 24J0660-01 A | Glass NM, Amber, 500 mL | > 2 FAIL (1) |
| 24J0660-01 B | Glass NM, Amber, 500 mL | |
| 24J0660-01 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-01 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 G | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 A | Glass NM, Amber, 500 mL | > 2 FAIL (1) |
| 24J0660-02 B | Glass NM, Amber, 500 mL | |
| 24J0660-02 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-02 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 G | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 A | Glass NM, Amber, 500 mL | |
| 24J0660-03 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-03 C | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-04 A | Glass NM, Amber, 500 mL | |
| 24J0660-04 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-04 G | HDPE NM, 250mL | |

SA

Preservation Confirmed By

10/31/24

Date

(1) = added 2 mL H₂SO₄ 9N
pH < 2
W 10-31-24

Reviewed By

Date



WORK ORDER

24J0660

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

Client: City of Everett

Project Manager: Phillip Bates

Project: General

Project Number: 67725

Preservation Confirmation

| Container ID | Container Type | pH |
|--------------|---------------------------------|----------|
| 24J0660-01 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-01 B | Glass NM, Amber, 500 mL | |
| 24J0660-01 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-01 D | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-01 E | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-01 F | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-01 G | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-02 B | Glass NM, Amber, 500 mL | |
| 24J0660-02 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-02 D | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 E | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 F | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 G | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-03 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-03 C | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 D | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 E | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 F | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-04 A | Glass NM, Amber, 500 mL | |
| 24J0660-04 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-04 G | HDPE NM, 250mL | |

SA

Preservation Confirmed By

10/31/24

Date



Analytical Resources, LLC
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: City of EVT

Project Name: 67725

COC No(s): 24J0660 NA

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

Assigned ARI Job No: 24J0660

Tracking No: NA

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler?

YES NO

Were custody papers included with the cooler?

YES NO

Were custody papers properly filled out (ink, signed, etc.)

YES NO

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

Time: 1040

5.1 °C

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

Temp Gun ID#: SC09708

Cooler Accepted by: MD Date: 10/31/24 Time: 1040

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?

YES NO

What kind of packing material was used? ...

Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: NA

Was sufficient ice used (if appropriate)?

NA YES NO

How were bottles sealed in plastic bags?

Individually Grouped Not

Did all bottles arrive in good condition (unbroken)?

YES NO

Were all bottle labels complete and legible?

YES NO

Did the number of containers listed on COC match with the number of containers received?

YES NO

Did all bottle labels and tags agree with custody papers?

YES NO

Were all bottles used correct for the requested analyses?

YES NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) ...

NA YES NO

Were all VOC vials free of air bubbles?

NA YES NO

Was sufficient amount of sample sent in each bottle?

YES NO

Date VOC Trip Blank was made at ARI: NA

Were the sample(s) split by ARI? NA

YES

Date/Time: 10/31/24

Equipment: 1055

Split by: SA

Samples Logged by: SA Date: 10/31/24 Time: 1055 Labels checked by: SA

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

| Sample ID on Bottle | Sample ID on COC | Sample ID on Bottle | Sample ID on COC |
|---------------------|------------------|---------------------|------------------|
| | | | |
| | | | |
| | | | |
| | | | |

Additional Notes, Discrepancies, & Resolutions:

By: _____ Date: _____



WORK ORDER

24J0660

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

Client: City of Everett

Project Manager: Phillip Bates

Project: General

Project Number: 67725

Preservation Confirmation

| Container ID | Container Type | pH |
|--------------|--|--------------|
| 24J0660-01 A | Glass NM, Amber, 500 mL | > 2 FAIL (1) |
| 24J0660-01 B | Glass NM, Amber, 500 mL | |
| 24J0660-01 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-01 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 G | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 A | Glass NM, Amber, 500 mL | > 2 FAIL (1) |
| 24J0660-02 B | Glass NM, Amber, 500 mL | |
| 24J0660-02 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-02 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 G | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 A | Glass NM, Amber, 500 mL | > 2 FAIL (1) |
| 24J0660-03 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-03 C | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-04 A | Glass NM, Amber, 500 mL | |
| 24J0660-04 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-04 G | HDPE NM, 250mL | |

SA

Preservation Confirmed By

10/31/24

Date

(1) = added 2mL H₂SO₄ 9N
pH < 2
uw 10-31-24



WORK ORDER

24J0660

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

Client: City of Everett

Project Manager: Phillip Bates

Project: General

Project Number: 67725

Preservation Confirmation

| Container ID | Container Type | pH |
|--------------|---------------------------------|----------|
| 24J0660-01 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-01 B | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-01 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-01 D | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-01 E | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-01 F | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-01 G | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-02 B | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-02 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-02 D | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 E | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 F | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-02 G | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-03 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-03 C | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 D | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 E | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-03 F | Glass WM, Clear, 8 oz, 9N H2SO4 | < 2 P |
| 24J0660-04 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-04 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-04 G | HDPE NM, 250mL | |

SA

Preservation Confirmed By

10/31/24

Date



WORK ORDER

24J0660

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

Client: City of Everett

Project Manager: Phillip Bates

Project: General

Project Number: 67725

Preservation Confirmation

| Container ID | Container Type | pH |
|--------------|--|----------|
| 24J0660-01 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-01 B | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-01 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-01 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-01 G | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-02 B | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-02 C | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-02 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-02 G | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-03 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-03 C | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 D | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 E | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-03 F | Glass WM, Clear, 8 oz, 9N H ₂ SO ₄ | < 2 P |
| 24J0660-04 A | Glass NM, Amber, 500 mL | > 2 FAIL |
| 24J0660-04 B | HDPE NM, 500 mL, NaOH | > 12 P |
| 24J0660-04 G | HDPE NM, 250mL | |

SA
Preservation Confirmed By

10/31/24
Date

① added ~ 1ml 9N H₂SO₄ to pH < 2
50-13 10/31/24



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80014
24J0660-01 (Water)

Wet Chemistry

Method: EPA 1664B

Sampled: 10/29/2024 07:30

Instrument: Bal2 Analyst: UW

Analyzed: 11/01/2024 09:09

Sample Preparation:

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

Extract ID: 24J0660-01

Preparation Batch: BMK0003

Sample Size: 840 mL

Prepared: 11/01/2024

Final Volume: 1000 mL

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80014
24J0660-01 (Water)

Wet Chemistry

Method: EPA 420.1

Sampled: 10/29/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 11/22/2024 07:18

Sample Preparation: Preparation Method: No Prep Wet Chem
Preparation Batch: BMK0431
Prepared: 11/21/2024

Sample Size: 30 mL
Final Volume: 31 mL

Extract ID: 24J0660-01 B

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80014
24J0660-01 (Water)

Wet Chemistry

Method: EPA 9014

Sampled: 10/29/2024 07:30

Instrument: UV1800-2 Analyst: RMS

Analyzed: 11/12/2024 05:55

Sample Preparation:

Preparation Method: EPA 9010C m

Extract ID: 24J0660-01 C

Preparation Batch: BMK0220

Sample Size: 50 mL

Prepared: 11/10/2024

Final Volume: 50 mL

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



| | | |
|--|---|--------------------------------|
| City of Everett PO Box 12130 Everett WA, 98206 | Project: General Project Number: 67725 Project Manager: Chris Merwede | Reported: 22-Nov-2024 15:19 |
|--|---|--------------------------------|

BQ80014
24J0660-01 (Water)

Wet Chemistry

| | |
|-----------------------------------|----------------------------|
| Method: SM 5310 B-11 | Sampled: 10/29/2024 07:30 |
| Instrument: TOC-LCSH Analyst: RMS | Analyzed: 11/11/2024 10:12 |

| | | |
|---------------------|--------------------------------------|--------------------------|
| Sample Preparation: | Preparation Method: No Prep Wet Chem | Extract ID: 24J0660-01 A |
| | Preparation Batch: BMK0222 | |
| | Prepared: 11/11/2024 | |
| | Sample Size: 20 mL | |
| | Final Volume: 20 mL | |

| Analyte | CAS Number | Dilution | Detection Limit | Reporting Limit | Result | Units | Notes |
|----------------------|------------|----------|-----------------|-----------------|--------|-------|-------|
| Total Organic Carbon | | 1 | 0.50 | 0.50 | 20.96 | mg/L | |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80015
24J0660-02 (Water)

Wet Chemistry

Method: EPA 1664B

Sampled: 10/29/2024 07:45

Instrument: Bal2 Analyst: UW

Analyzed: 11/01/2024 09:09

Sample Preparation:

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

Extract ID: 24J0660-02

Preparation Batch: BMK0003

Sample Size: 950 mL

Prepared: 11/01/2024

Final Volume: 1000 mL

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80015
24J0660-02 (Water)

Wet Chemistry

Method: EPA 420.1

Sampled: 10/29/2024 07:45

Instrument: UV1800-2 Analyst: RMS

Analyzed: 11/22/2024 07:20

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24J0660-02 B

Preparation Batch: BMK0431

Sample Size: 30 mL

Prepared: 11/21/2024

Final Volume: 31 mL

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80015
24J0660-02 (Water)

Wet Chemistry

Method: EPA 9014

Sampled: 10/29/2024 07:45

Instrument: UV1800-2 Analyst: RMS

Analyzed: 11/12/2024 05:56

Sample Preparation:

Preparation Method: EPA 9010C m
Preparation Batch: BMK0220
Prepared: 11/10/2024

Sample Size: 50 mL
Final Volume: 50 mL

Extract ID: 24J0660-02 C

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80015
24J0660-02 (Water)

Wet Chemistry

Method: SM 5310 B-11

Sampled: 10/29/2024 07:45

Instrument: TOC-LCSH Analyst: RMS

Analyzed: 11/11/2024 10:31

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24J0660-02 A

Preparation Batch: BMK0222

Sample Size: 20 mL

Prepared: 11/11/2024

Final Volume: 20 mL

| Analyte | CAS Number | Dilution | Detection Limit | Reporting Limit | Result | Units | Notes |
|----------------------|------------|----------|-----------------|-----------------|--------|-------|-------|
| Total Organic Carbon | | 1 | 0.50 | 0.50 | 16.91 | mg/L | |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80016
24J0660-03 (Water)

Wet Chemistry

Method: EPA 1664B

Sampled: 10/29/2024 07:50

Instrument: Bal2 Analyst: UW

Analyzed: 11/01/2024 09:09

Sample Preparation:

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

Extract ID: 24J0660-03

Preparation Batch: BMK0003

Sample Size: 945 mL

Prepared: 11/01/2024

Final Volume: 1000 mL

| Analyte | CAS Number | Dilution | Reporting Limit | Result | Units | Notes |
|-------------------------|------------|----------|-----------------|--------|-------|-------|
| HEM Oil & Grease | | 1 | 5 | 22 | mg/L | |
| SGT-HEM NP Oil & Grease | | 1 | 5 | ND | mg/L | U |
| HEM Polar Oil & Grease | | 1 | 5 | 20 | mg/L | |



| | | |
|--|---|--------------------------------|
| City of Everett PO Box 12130 Everett WA, 98206 | Project: General Project Number: 67725 Project Manager: Chris Merwede | Reported: 22-Nov-2024 15:19 |
|--|---|--------------------------------|

BQ80016
24J0660-03 (Water)

Wet Chemistry

| | | |
|-----------------------------------|--------------------------------------|----------------------------|
| Method: EPA 420.1 | | Sampled: 10/29/2024 07:50 |
| Instrument: UV1800-2 Analyst: RMS | | Analyzed: 11/22/2024 07:21 |
| Sample Preparation: | Preparation Method: No Prep Wet Chem | Extract ID: 24J0660-03 A |
| | Preparation Batch: BMK0431 | |
| | Prepared: 11/21/2024 | |
| | Sample Size: 30 mL | |
| | Final Volume: 31 mL | |

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80016
24J0660-03 (Water)

Wet Chemistry

Method: EPA 9014

Sampled: 10/29/2024 07:50

Instrument: UV1800-2 Analyst: RMS

Analyzed: 11/12/2024 05:57

Sample Preparation:

Preparation Method: EPA 9010C m

Extract ID: 24J0660-03 B

Preparation Batch: BMK0220

Sample Size: 50 mL

Prepared: 11/10/2024

Final Volume: 50 mL

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80017
24J0660-04 (Solid)

Wet Chemistry

Method: EPA 420.1

Sampled: 10/29/2024 15:15

Instrument: UV1800-2 Analyst: RMS

Analyzed: 11/15/2024 03:47

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24J0660-04 A

Preparation Batch: BMK0346

Sample Size: 5.2934 g (wet)

Dry Weight: 0.02 g

Prepared: 11/14/2024

Final Volume: 129.1667 mL

% Solids: 0.28

| Analyte | CAS Number | Dilution | Detection Limit | Reporting Limit | Result | Units | Notes |
|-----------------|------------|----------|-----------------|-----------------|--------|-------|-------|
| Total Phenolics | | 1 | 343 | 343 | ND | mg/kg | U |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80017
24J0660-04 (Solid)

Wet Chemistry

Method: EPA 9014

Sampled: 10/29/2024 15:15

Instrument: UV1800-2 Analyst: RMS

Analyzed: 11/12/2024 06:41

Sample Preparation:

Preparation Method: EPA 9010C m

Extract ID: 24J0660-04 B

Preparation Batch: BMK0221

Sample Size: 5.628 g (wet)

Dry Weight: 0.02 g

Prepared: 11/11/2024

Final Volume: 50 mL

% Solids: 0.28

| Analyte | CAS Number | Dilution | Detection Limit | Reporting Limit | Result | Units | Notes |
|-----------------------------------|------------|----------|-----------------|-----------------|--------|-------|-------|
| Cyanide, Total after Distillation | 57-12-5 | 1 | 15.4 | 15.4 | ND | mg/kg | U |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

BQ80017
24J0660-04 (Solid)

Wet Chemistry

Method: SM 2540 G-11

Sampled: 10/29/2024 15:15

Instrument: BAL2 Analyst: LM

Analyzed: 11/07/2024 15:22

Sample Preparation:

Preparation Method: No Prep Wet Chem

Extract ID: 24J0660-04

Preparation Batch: BMK0178

Sample Size: 5 g (wet)

Prepared: 11/07/2024

Final Volume: 5 mL

% Solids: 0.28

| Analyte | CAS Number | Dilution | Detection Limit | Reporting Limit | Result | Units | Notes |
|--------------|------------|----------|-----------------|-----------------|--------|-------|-------|
| Total Solids | | 1 | 0.04 | 0.04 | 0.28 | % | |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMK0003 - EPA 1664B

Instrument: Bal2 Analyst: UW

| QC Sample/Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------|--------|---|-------|----------------|------------------|------|----------------|-----|--------------|-------|
| Blank (BMK0003-BLK1) | | Prepared: 01-Nov-2024 Analyzed: 01-Nov-2024 09:09 | | | | | | | | |
| HEM Oil & Grease | ND | 5 | mg/L | | | | | | | U |
| SGT-HEM NP Oil & Grease | ND | 5 | mg/L | | | | | | | U |
| HEM Polar Oil & Grease | ND | 5 | mg/L | | | | | | | U |
| LCS (BMK0003-BS1) | | Prepared: 01-Nov-2024 Analyzed: 01-Nov-2024 09:09 | | | | | | | | |
| HEM Oil & Grease | 37 | 5 | mg/L | 40.00 | | 91.3 | 78-114 | | | |
| SGT-HEM NP Oil & Grease | 17 | 5 | mg/L | 20.00 | | 82.5 | 64-132 | | | |
| HEM Polar Oil & Grease | 20 | 5 | mg/L | 20.00 | | 100 | 0-200 | | | |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Instrument: BAL2 Analyst: LM

| QC Sample/Analyte | Result | Detection Limit | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------|--------|--------------------|--------------------|-------|---|------------------|------|----------------|-----|--------------|-------|
| Blank (BMK0178-BLK1) | | | | | Prepared: 07-Nov-2024 Analyzed: 07-Nov-2024 15:22 | | | | | | |
| Total Solids | ND | 0.04 | 0.04 | % | | | | | | | U |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMK0220 - EPA 9014

Instrument: UV1800-2 Analyst: RMS

| QC Sample/Analyte | Result | Detection Limit | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-----------------|-------|--|---------------|------|-------------|-----|-----------|-------|
| Blank (BMK0220-BLK1) | | | | | Prepared: 10-Nov-2024 Analyzed: 12-Nov-2024 05:54 | | | | | | |
| Cyanide, Total | ND | 0.0050 | 0.0050 | mg/L | | | | | | | U |
| LCS (BMK0220-BS1) | | | | | Prepared: 10-Nov-2024 Analyzed: 12-Nov-2024 05:54 | | | | | | |
| Cyanide, Total | 0.143 | 0.0050 | 0.0050 | mg/L | 0.150 | | 95.3 | 75-125 | | | |
| Duplicate (BMK0220-DUP1) | | | | | Source: 24J0660-01 Prepared: 10-Nov-2024 Analyzed: 12-Nov-2024 05:55 | | | | | | |
| Cyanide, Total | ND | 0.0050 | 0.0050 | mg/L | | ND | | | 20 | | U |
| Matrix Spike (BMK0220-MS1) | | | | | Source: 24J0660-01 Prepared: 10-Nov-2024 Analyzed: 12-Nov-2024 05:56 | | | | | | |
| Cyanide, Total | 0.127 | 0.0050 | 0.0050 | mg/L | 0.150 | ND | 84.6 | 75-125 | | | |

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMK0221 - EPA 9014

Instrument: UV1800-2 Analyst: RMS

| QC Sample/Analyte | Result | Detection Limit | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|-----------------|-----------------|-------|--|---------------|------|-------------|-----|-----------|-------|
| Blank (BMK0221-BLK1) | | | | | Prepared: 11-Nov-2024 Analyzed: 12-Nov-2024 06:41 | | | | | | |
| Cyanide, Total after Distillation | ND | 0.050 | 0.050 | mg/kg | | | | | | | U |
| LCS (BMK0221-BS1) | | | | | Prepared: 11-Nov-2024 Analyzed: 12-Nov-2024 06:41 | | | | | | |
| Cyanide, Total after Distillation | 1.44 | 0.050 | 0.050 | mg/kg | 1.50 | | 96.0 | 75-125 | | | |
| Duplicate (BMK0221-DUP1) | | | | | Source: 24J0660-04 Prepared: 11-Nov-2024 Analyzed: 12-Nov-2024 06:42 | | | | | | |
| Cyanide, Total after Distillation | ND | 16.1 | 16.1 | mg/kg | | ND | | | 20 | | U |
| Matrix Spike (BMK0221-MS1) | | | | | Source: 24J0660-04 Prepared: 11-Nov-2024 Analyzed: 12-Nov-2024 06:42 | | | | | | |
| Cyanide, Total after Distillation | 451 | 16.3 | 16.3 | mg/kg | 494 | ND | 91.2 | 75-125 | | | |

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMK0222 - SM 5310 B-11

Instrument: TOC-LCSH Analyst: RMS

| QC Sample/Analyte | Result | Detection Limit | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------|--------|-----------------|-----------------|-------|---|---------------|------|-------------|-----|-----------|-------|
| Blank (BMK0222-BLK1) | | | | | Prepared: 11-Nov-2024 Analyzed: 11-Nov-2024 08:04 | | | | | | |
| Total Organic Carbon | ND | 0.50 | 0.50 | mg/L | | | | | | | U |
| LCS (BMK0222-BS1) | | | | | Prepared: 11-Nov-2024 Analyzed: 11-Nov-2024 08:27 | | | | | | |
| Total Organic Carbon | 20.55 | 0.50 | 0.50 | mg/L | 20.00 | | 103 | 90-110 | | | |



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMK0346 - EPA 420.1

Instrument: UV1800-2 Analyst: RMS

| QC Sample/Analyte | Result | Detection Limit | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
| Blank (BMK0346-BLK1) Prepared: 14-Nov-2024 Analyzed: 15-Nov-2024 03:46 | | | | | | | | | | | |
| Total Phenolics | ND | 0.40 | 0.40 | mg/kg | | | | | | | U |
| LCS (BMK0346-BS1) Prepared: 14-Nov-2024 Analyzed: 15-Nov-2024 03:47 | | | | | | | | | | | |
| Total Phenolics | 4.98 | 0.40 | 0.40 | mg/kg | 5.00 | | 99.6 | 90-110 | | | |
| Duplicate (BMK0346-DUP1) Source: 24J0660-04 Prepared: 14-Nov-2024 Analyzed: 15-Nov-2024 03:48 | | | | | | | | | | | |
| Total Phenolics | ND | 362 | 362 | mg/kg | | ND | | | 20 | | U |
| Matrix Spike (BMK0346-MS1) Source: 24J0660-04 Prepared: 14-Nov-2024 Analyzed: 15-Nov-2024 03:49 | | | | | | | | | | | |
| Total Phenolics | 3280 | 355 | 355 | mg/kg | 3440 | ND | 95.3 | 75-125 | | | |

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Analysis by: Analytical Resources, LLC

Wet Chemistry - Quality Control

Batch BMK0431 - EPA 420.1

Instrument: UV1800-2 Analyst: RMS

| QC Sample/Analyte | Result | Detection Limit | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-----------------------------------|--------|--------------------|--------------------|-------|--|------------------|------|----------------|-----|--------------|-------|
| Blank (BMK0431-BLK1) | | | | | Prepared: 21-Nov-2024 Analyzed: 22-Nov-2024 07:17 | | | | | | |
| Total Phenolics | ND | 0.04 | 0.04 | mg/L | | | | | | | U |
| LCS (BMK0431-BS1) | | | | | Prepared: 21-Nov-2024 Analyzed: 22-Nov-2024 07:17 | | | | | | |
| Total Phenolics | 0.52 | 0.04 | 0.04 | mg/L | 0.500 | | 103 | 90-110 | | | |
| Duplicate (BMK0431-DUP1) | | | | | Source: 24J0660-01 Prepared: 21-Nov-2024 Analyzed: 22-Nov-2024 07:18 | | | | | | |
| Total Phenolics | ND | 0.04 | 0.04 | mg/L | | ND | | | 20 | | U |
| Matrix Spike (BMK0431-MS1) | | | | | Source: 24J0660-01 Prepared: 21-Nov-2024 Analyzed: 22-Nov-2024 07:19 | | | | | | |
| Total Phenolics | 0.78 | 0.04 | 0.04 | mg/L | 0.667 | ND | 117 | 75-125 | | | |

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Certified Analyses included in this Report

| Analyte | Certifications |
|-------------------------------------|----------------------|
| <i>EPA 1664B in Water</i> | |
| HEM Oil & Grease | WADOE,NELAP |
| SGT-HEM NP Oil & Grease | WADOE,NELAP |
| HEM Polar Oil & Grease | WADOE,NELAP |
| <i>EPA 420.1 in Solid</i> | |
| Total Phenolics | DoD-ELAP,NELAP |
| <i>EPA 420.1 in Water</i> | |
| Total Phenolics | WADOE,NELAP,DoD-ELAP |
| <i>EPA 9014 in Solid</i> | |
| Cyanide, Total after Distillation | DoD-ELAP,NELAP,WADOE |
| <i>EPA 9014 in Water</i> | |
| Cyanide, Total | DoD-ELAP,NELAP,WADOE |
| <i>SM 5310 B-11 in Water</i> | |
| Total Organic Carbon | WA-DW,WADOE,NELAP |

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



City of Everett
PO Box 12130
Everett WA, 98206

Project: General
Project Number: 67725
Project Manager: Chris Merwede

Reported:
22-Nov-2024 15:19

Notes and Definitions

H Hold time violation - Hold time was exceeded.

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

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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



Report Prepared For:

Everett Environmental Lab

Client Project Description:
[none]

Work Order: AEK0004

Date of Preparation: 11-19-2024



Burlington, WA *Corporate Laboratory (a)* 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
Bellingham, WA *Microbiology (b)* 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212
Portland, OR *Microbiology/Chemistry (c)* 9725 SW Commerce Cir, Ste A-2 - Wilsonville, OR 97070 - 503.682.7802
Corvallis, OR *Microbiology/Chemistry (d)* 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946
Bend, OR *Microbiology (e)* 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

November 19, 2024

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

RE: NPDES

Enclosed are the analytical results for Work Order AEK0004 received by our laboratory on 10/31/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "K. Crowell". The signature is fluid and cursive, with the first letter of each name being capitalized.

Karen E Crowell
Office Manager

Table of Contents

| | |
|----------------------------|----|
| Samples in Report | 4 |
| Sample Results | 5 |
| Quality Assurance Results | 6 |
| Certified Analyses | 9 |
| Certifications | 9 |
| Qualifiers and Definitions | 10 |
| Exceptions List | 11 |
| Chain of Custody PDF | 12 |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number:
Project Manager: Shane Sinclair

Reported:
11/19/2024 08:40

Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|------------|-------------------|--------|--------------|---------------|
| AEK0004-02 | 67725-SCE-BQ80015 | Water | 10/29/2024 | 10/31/2024 |

| | | |
|---|--|--------------------------------------|
| Everett Environmental Lab 3200 Cedar Street Everett, WA 98201 | Project: NPDES Project Number: Project Manager: Shane Sinclair | Reported: 11/19/2024 08:40 |
|---|--|--------------------------------------|

Sample Results

| | | | | | | | | | |
|---------------------------------------|---------|-----------|------|---|-----------------|-------|---------------|------------------|--------|
| Sample Description: 67725-SCE-BQ80015 | | | | Sampled: 10/29/2024 7:45:00AM | | | | | |
| Lab Number: AEK0004-02 (Water) | | Comments: | | Collected By: Anna Pennington/ Charles Johnston | | | | | |
| CAS | Analyte | Result | Qual | Quantitation Limit | Detection Limit | Units | Date Analyzed | Analyst Initials | Method |
| Analyzed By Burlington | | | | | | | | | |

Hexavalent Chromium

| | | | | | | | | | |
|------------|---------------------|--------|--|--------|---------|------|------------|-----|-----------|
| 18540-29-9 | Hexavalent Chromium | 0.0480 | | 0.0300 | 0.00975 | ug/L | 11/14/2024 | LJH | EPA 218.6 |
|------------|---------------------|--------|--|--------|---------|------|------------|-----|-----------|

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number:
Project Manager: Shane Sinclair

Reported:
11/19/2024 08:40

Quality Control



Hexavalent Chromium

| Analyte | Result Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|-------------|---------------------------|-------|-------------------------------|---------------|-------------|-------------|------|-----------|
| Batch: BEK0123 - Metals Filtration | | | | | | | | | |
| Duplicate (BEK0123-DUP1) | | Source: AEK0012-02 | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0630 | 0.0300 | ug/L | | 0.0660 | | | 4.65 | 200 |
| Duplicate (BEK0123-DUP2) | | Source: AEK0017-01 | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0150J, U | 0.0300 | ug/L | | 0.160 | | | 166 | 200 |
| Matrix Spike (BEK0123-MS1) | | Source: AEK0004-02 | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.338 | 0.0300 | ug/L | 0.300 | 0.0480 | 96.7 | 70-130 | | |
| Matrix Spike (BEK0123-MS2) | | Source: AED0005-01 | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.416 | 0.0300 | ug/L | 0.300 | 0.115 | 100 | 70-130 | | |
| Matrix Spike Dup (BEK0123-MSD1) | | Source: AEK0004-02 | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.358 | 0.0300 | ug/L | 0.300 | 0.0480 | 103 | 70-130 | 5.75 | 20 |
| Matrix Spike Dup (BEK0123-MSD2) | | Source: AED0005-01 | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.434 | 0.0300 | ug/L | 0.300 | 0.115 | 106 | 70-130 | 4.24 | 20 |
| Batch: SEK0005 - BEK0123 | | | | | | | | | |
| Blank (SEK0005-CAL1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.00200 | | ug/L | | 0.00 | | | | |
| 0.030 (SEK0005-CAL2) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0310 | | ug/L | | 0.0300 | 103 | | | |
| 0.100 (SEK0005-CAL3) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0950 | | ug/L | | 0.100 | 95.0 | | | |
| 0.250 (SEK0005-CAL4) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.244 | | ug/L | | 0.250 | 97.6 | | | |
| 0.500 (SEK0005-CAL5) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.495 | | ug/L | | 0.500 | 99.0 | | | |
| 1.000 (SEK0005-CAL6) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.981 | | ug/L | | 1.00 | 98.1 | | | |
| 2.000 (SEK0005-CAL7) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 2.00 | | ug/L | | 2.00 | 100 | | | |
| CCB (SEK0005-CCB2) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.00900 | | ug/L | | 0.00 | | | | |
| CCB (SEK0005-CCB3) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0180 | | ug/L | | 0.00 | | | | |
| End CCB (SEK0005-CCB4) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0120 | | ug/L | | 0.00 | | | | |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number:
Project Manager: Shane Sinclair

Reported:
11/19/2024 08:40

Quality Control (Continued)



Hexavalent Chromium (Continued)

| Analyte | Result Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|-------------|-----------------|-------|-------------------------------|---------------|------------|-------------|-----|-----------|
| Batch: SEK0005 - BEK0123 (Continued) | | | | | | | | | |
| End CCV 1.000 ppb (SEK0005-CCV1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 1.01 | | ug/L | 1.00 | | 101 | 85-115 | | |
| CCV 0.500ppb (SEK0005-CCV2) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.512 | | ug/L | 0.500 | | 102 | 85-115 | | |
| CCV 1.000ppb (SEK0005-CCV3) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 1.03 | | ug/L | 1.00 | | 103 | 85-115 | | |
| MRL 0.03 (SEK0005-CRL1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0350 | | ug/L | 0.0300 | | 117 | 50-150 | | |
| Wash (SEK0005-IBL1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | ND U | 0.0300 | ug/L | | | | | | |
| Wash (SEK0005-IBL2) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | ND U | 0.0300 | ug/L | | | | | | |
| Wash (SEK0005-IBL3) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0140 U | 0.0300 | ug/L | | | | | | |
| Wash (SEK0005-IBL4) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0330 | 0.0300 | ug/L | | | | | | |
| Wash (SEK0005-IBL5) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0150 U | 0.0300 | ug/L | | | | | | |
| Initial Cal Blank (SEK0005-ICB1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.00500 | | ug/L | 0.00 | | | | | |
| QCSMetals (SEK0005-SCV1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.764 | | ug/L | 0.732 | | 104 | 90-110 | | |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number:
Project Manager: Shane Sinclair

Reported:
11/19/2024 08:40

Edge Analytical - Burlington - Data Review Checklist



| | |
|-------------------------------------|---------------------------------------|
| Analytical Method: EPA 218.6 | Batch/Sequence Number: SEK0005 |
| Instrument: IC07 | Analyst: LJH |
| Reviewer: LJH | Review Date: 11/15/24 |

Edge Analytical - Burlington

| Passes | Criteria | | | | | | | | | | | | | | | |
|-----------|--|----------|---------|-----|--------|----|--|--------|-------|--|-----------|-------|--|----------|------|--|
| YES | Comments | | | | | | | | | | | | | | | |
| YES | Correlation coefficient (r) value at least 0.999 | | | | | | | | | | | | | | | |
| YES | QCS ± 10% (Required Quarterly) | | | | | | | | | | | | | | | |
| YES | LFB ±10% after every 10 samples and at the end of the analytical batch. | | | | | | | | | | | | | | | |
| YES | MB/LRB at the beginning, every 10 samples and at the end of the analytical batch. The concentration must be below 1/2 the MRL. | | | | | | | | | | | | | | | |
| YES | Duplicates every 10 samples, RPD ±20% | | | | | | | | | | | | | | | |
| YES | LFM every 10 samples, recoveries ±30% | | | | | | | | | | | | | | | |
| YES | Dilution factors (DF) entered if necessary | | | | | | | | | | | | | | | |
| YES | Units in PPB or PPM | | | | | | | | | | | | | | | |
| YES | % Relative Error or Relative Standard Error has been calculated and is acceptable | | | | | | | | | | | | | | | |
| YES | PQL and MDL Correct | | | | | | | | | | | | | | | |
| YES | Qualifiers used where appropriate | | | | | | | | | | | | | | | |
| YES | Standards, calibration and reagents recorded on instrument printout. | | | | | | | | | | | | | | | |
| YES | Standards and reagents | | | | | | | | | | | | | | | |
| | Eluent and Color Reagent were made on 11/13/24. Calibration standards were made on 11/14/24 | | | | | | | | | | | | | | | |
| YES | Where Samples Analyzed Within Holding Time? | | | | | | | | | | | | | | | |
| YES | Pipettors Used and Checked | | | | | | | | | | | | | | | |
| | <div>Pipettor Cal Check</div> <table><thead><tr><th>Pipettor</th><th>Set Vol</th><th>Vol</th></tr></thead><tbody><tr><td>IN48 7</td><td>NA</td><td></td></tr><tr><td>IN49 2</td><td>2.025</td><td></td></tr><tr><td>IN33 0.25</td><td>0.248</td><td></td></tr><tr><td>IN34 0.1</td><td>0.10</td><td></td></tr></tbody></table> | Pipettor | Set Vol | Vol | IN48 7 | NA | | IN49 2 | 2.025 | | IN33 0.25 | 0.248 | | IN34 0.1 | 0.10 | |
| Pipettor | Set Vol | Vol | | | | | | | | | | | | | | |
| IN48 7 | NA | | | | | | | | | | | | | | | |
| IN49 2 | 2.025 | | | | | | | | | | | | | | | |
| IN33 0.25 | 0.248 | | | | | | | | | | | | | | | |
| IN34 0.1 | 0.10 | | | | | | | | | | | | | | | |
| YES | Did all samples meet the lab's standard conditions for sample acceptability upon receipt? | | | | | | | | | | | | | | | |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number:
Project Manager: Shane Sinclair

Reported:
11/19/2024 08:40

Certified Analyses included in this Report



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

* - Not accredited, all method quality control performed.

List of Certifications

{@Cont'd}

Edge Analytical - Burlington



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

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number:
Project Manager: Shane Sinclair

Reported:
11/19/2024 08:40

Notes and Definitions

| Item | Definition |
|--------|---|
| J | An estimated concentration, below calibration curve but above method detection limit. |
| U | Analyte included in the analysis, but not detected |
| Dry | Sample results reported on a dry weight basis. |
| ND | Analyte NOT DETECTED at or above the reporting limit. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |

| | | |
|---|--|-------------------------------|
| Everett Environmental Lab 3200 Cedar Street Everett, WA 98201 | Project: NPDES Project Number: Project Manager: Shane Sinclair | Reported: 11/19/2024 08:40 |
|---|--|-------------------------------|

Items for Project Manager Review

| LabNumber | Analysis | Analyte | Exception |
|-----------|-----------------------|---------|----------------------------------|
| | | | Default Report (not modified) |
| | | | VERSION 6.22:1015 |
| | Cr+6 (218.6) FILTERED | (Water) | J-Flags used |
| | Cr+6 (218.6) FILTERED | (Water) | Result calculations based on MDL |
| | Cr+6 (218.6) FILTERED | (Water) | TMin = 1.0C°; TMax = 6.0C° |
| | Cr+6 (218.6) FILTERED | (Water) | U-Flags used |



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

January 6, 2025

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

Dear Chris Merwede:

Enclosed are the results for the fourth quarter CVAF samples collected October 29, 2024. The samples were assigned the following lab ID numbers:

| Sample ID | Locator | Collect Date |
|-----------|------------------|--------------|
| L84393-1 | FEN | 10/29/2024 |
| L84393-2 | SCE | 10/29/2024 |
| L84393-3 | PI | 10/29/2024 |
| L84393-4 | ATMOSBLANK | 10/29/2024 |
| L84393-5 | EQUIPBLANK - FEN | 10/29/2024 |
| L84393-6 | EQUIPBLANK - SCE | 10/29/2024 |
| L84393-7 | EQUIPBLANK - PI | 10/29/2024 |

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

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

Sincerely,

Susannah Rowles
Laboratory Project Manager

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: FEN
Descrip: CITY OF EVERETT EF
Sample: L84745-1
Matrix: LC EFFLUENT
ColDate: 10/29/24 7:30

WET Weight Basis

Project: 421184EV
Locator: ATMOSBLANK
Descrip: ATMOSPHERE BLANK
Sample: L84745-2
Matrix: LN BLANK WTR
ColDate: 10/29/24 7:30

WET Weight Basis

Project: 421184EV
Locator: SCE
Descrip: CITY OF EVERETT EF
Sample: L84745-3
Matrix: LC EFFLUENT
ColDate: 10/29/24 7:45

WET Weight Basis

| Parameters | Value | Qual | MDL | RDL | Units | Value | Qual | MDL | RDL | Units | Value | Qual | MDL | RDL | Units |
|----------------------|--------|------|--------|--------|-------|-------|------|--------|--------|-------|---------|------|--------|--------|-------|
| MT EPA 1631E | | | | | | | | | | | | | | | |
| Mercury, Total, CVAF | 0.0132 | | 0.0002 | 0.0005 | ug/L | <MDL | | 0.0002 | 0.0005 | ug/L | 0.00313 | | 0.0002 | 0.0005 | ug/L |

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: PI
Descrip: CITY OF EVERETT IN
Sample: L84745-4
Matrix: LB INFLUENT
ColDate: 10/29/24 7:50

WET Weight Basis

Project: 421184EV
Locator: EQUIPBLANK
Descrip: EQUIPMENT BLANK
Sample: L84745-5
Matrix: LN BLANK WTR
ColDate: 10/29/24 7:30

WET Weight Basis

Project: 421184EV
Locator: EQUIPBLANK
Descrip: EQUIPMENT BLANK
Sample: L84745-6
Matrix: LN BLANK WTR
ColDate: 10/29/24 7:45

WET Weight Basis

| Parameters | Value | Qual | MDL | RDL | Units | Value | Qual | MDL | RDL | Units | Value | Qual | MDL | RDL | Units |
|----------------------|---------|------|--------|--------|-------|-------|------|--------|--------|-------|-------|------|--------|--------|-------|
| MT EPA 1631E | | | | | | | | | | | | | | | |
| Mercury, Total, CVAF | 0.00024 | <RDL | 0.0002 | 0.0005 | ug/L | <MDL | | 0.0002 | 0.0005 | ug/L | <MDL | | 0.0002 | 0.0005 | ug/L |

King County Environmental Lab Analytical Report

Project: 421184EV
Locator: EQUIPBLANK
Descrip: EQUIPMENT BLANK
Sample: L84745-7
Matrix: LN BLANK WTR
ColDate: 10/29/24 7:50

WET Weight Basis

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

King County Environmental Laboratory QC Report

City of Everett Q4 CVAF
October 29, 2024

Workgroup: WG197583 Total Mercury by CVAF, Ultra-Low Level

MB:WG197583-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

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

MB:WG197583-2 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

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

MB:WG197583-3 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Method Blank)

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

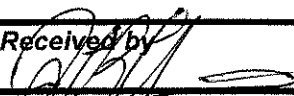
SB:WG197583-4 MB:WG197583-1 Matrix: BLANK WTR Listtype:MTHG-CVAF Method:EPA 1631E Project: Pkey:STD
(Spike Blank, Method Blank)

| Parameter | MDL | RDL | Units | MB Value | True Value | SB Value | % Rec. | Qual | Lab Limit |
|----------------------|--------|--------|-------|----------|------------|----------|--------|------|-----------|
| Mercury, Total, CVAF | 0.0002 | 0.0005 | ug/L | <MDL | 0.01 | 0.00984 | 98 | | 77--123 |

MSD:WG197583-7 MS:WG197583-6 L84745-3 Matrix: EFFLUENT Listtype:MTHG-CVAF Method:EPA 1631E Project:421184EV Pkey:STD
(Matrix Spike Duplicate, Matrix Spike)

| Parameter | MDL | RDL | Units | SAMP Value | True Value | MS Value | % Rec. | Qual | Lab Limit | True Value | MSD Value | % Rec. | Qual | RPD | Qual | Lab Limit |
|----------------------|--------|--------|-------|------------|------------|----------|--------|------|-----------|------------|-----------|--------|------|-----|------|-----------|
| Mercury, Total, CVAF | 0.0002 | 0.0005 | ug/L | 0.00313 | 0.01 | 0.0124 | 93 | | 71--125 | 0.01 | 0.0125 | 94 | | 0 | | 0--24 |

CHAIN OF CUSTODY

| | | |
|---|---------------|-----------|
| Relinquished by | Date | Time |
| Received by  | Date 10-31-24 | Time 1015 |
| Sample Numbers [All] | | |

| Sample Number | P84745-1 | P84745-2 | P84745-3 |
|------------------------------|--------------------------|------------------------|--------------------------|
| QC Link | | | |
| Locator | FEN | ATMOSBLANK | SCE |
| Short Loc Desc | FEN | ATMOSBLANK | SCE |
| Locator Desc | CITY OF EVERETT EFFLUENT | ATMOSPHERE BLANK | CITY OF EVERETT EFFLUENT |
| Site | OTHER CITIES | METRO | OTHER CITIES |
| Comments | Grab | CVAF Atmospheric blank | Grab |
| Start Date/Time | | | |
| End Date/Time | | | |
| Time Span | | | |
| Sample Depth | | | |
| Dept, Matrix, Prod (Cont ID) | 6 LC CVAF-UL (55) | 6 LN CVAF-UL (55) | 6 LC CVAF-UL (55) |

| Sample Number | P84745-4 | P84745-5 | P84745-6 |
|---------------------------------|--------------------------|-------------------|-------------------|
| QC Link | | | |
| Locator | PI | EQUIPBLANK | EQUIPBLANK |
| Short Loc Desc | PI | EQUIPBLANK | EQUIPBLANK |
| Locator Desc | CITY OF EVERETT INFLUENT | EQUIPMENT BLANK | EQUIPMENT BLANK |
| Site | OTHER CITIES | METRO | METRO |
| Comments | Grab | Equipment Blank | Equipment Blank |
| Start Date/Time | | | |
| End Date/Time | | | |
| Time Span | | | |
| Sample Depth | | | |
| Dept, Matrix, Prod (Cont ID) | 6 LC CVAF-UL (55) | 6 LN CVAF-UL (55) | 6 LN CVAF-UL (55) |

| | | |
|---------------------------------|-------------------|--|
| Sample Number | P84745-7 | |
| QC Link | | |
| Locator | EQUIPBLANK | |
| Short Loc Desc | EQUIPBLANK | |
| Locator Desc | EQUIPMENT BLANK | |
| Site | METRO | |
| Comments | Equipment Blank | |
| Start Date/Time | | |
| End Date/Time | | |
| Time Span | | |
| Sample Depth | | |
| Dept, Matrix, Prod (Cont ID) | 6 LN CVAF-UL (55) | |

**ENVIRONMENTAL
ANALYSIS REQUEST
CHAIN OF CUSTODY**

Date: **10/30/24**

| | | | | | | | | | | | | | |
|---|------------|---|--|-------------|-----------|---|------------------------------|--|----------------|------------------------|---|--|-----------------|
| Client: City of Everett | | | | | | Address: 3200 Cedar St Everett, WA 98201 | | | | | | | |
| Program/ Project: IPT - Quarterly | | | Site/ Address: EWPCF | | | | | | | | | | |
| Phone: 425.257.8240 | | | Sampler: Anna Pennington/ Charles Johnstone | | | | Requested By: Shane Sinclair | | | | | | |
| E-Mail: ssinclair@everettwa.gov / apennington@everettwa.gov | | | | | | Analyses Requested | | | | | | | |
| | | Sample Matrix: SW - Surface Water WW - Wastewater W - Water GW - Ground Water S - Solid FB - Field Blank Other | | | | | | | | | | | |
| Sample Description: | | LIMS ID # (Lab Use Only) | Sample Date | Sample Time | Comp Grab | Low Level Mercury 1631 | | | | | | | # of Containers |
| FEN | | BQ80014 | 10/29 | 730 | Comp WW | 1/KC | | | | | | | 1 |
| SCE | | BQ80015 | 10/29 | 745 | Comp WW | 1/KC | | | | | | | 1 |
| PI | | BQ80016 | 10/29 | 750 | Comp WW | 1/KC | | | | | | | 1 |
| FEN Blank | | BQ80018 | 10/29 | 730 | Comp FB | 1/KC | | | | | | | 1 |
| SCE Blank | | BQ80019 | 10/29 | 745 | Comp FB | 1/KC | | | | | | | 1 |
| PI Blank | | BQ80020 | 10/29 | 750 | Comp FB | 1/KC | | | | | | | 1 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Cooler? Y / N | Ice? Y / N | Sample Temp: °C | | | | | | | | Total # of Containers: | 6 | | |
| Relinquished*: | | | | | Received: | | | | | | | | |
| | | | | | 1) | | | | Date: 10-30-24 | Time: 1145 | | | |
| | | | | | 2) | | | | Date: 10-31-24 | Time: 1015 | | | |
| | | | | | 3) | | | | Date: | Time: | | | |

COMMENTS:
PR = Pacific Rim Laboratories

**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): 84745-117 | | Project No.: 401184 | | Sub-Contracting: Y / N | | List Product(s): | | | | |
|--|-------------|------------------------|-------------------|--|------------|--|-------------------------|----------------------|-------|------------------|
| Collect Date(s): 10-29-24 | | Receive Date: 10-31-24 | | Changes: Y / N | | List Parameter(s): | | | | |
| SAMPLE RECEIPT CONDITIONS | | | | FIELD PRESERVATION CHECKLIST (Circle and/or check applicable selections) | | | | | | |
| CONDITION | Acceptable? | Comment ID | CONDITION | Acceptable? | Comment ID | PRODUCT / Preservation | SM Action | | | |
| Labels / Fieldsheets | Y / N | | Volumes | Y / N | | BNA / pH 6 - 9 w/ H ₂ SO ₄ or NaOH | ✓ field sheet for F. pH | | | |
| Container | Y / N | | Holding Times | Y / N | | CN / pH > 12 w/ NaOH within 15 min | Check pH | | | |
| Temperature (w/ Ice) | Y / N / NA | | Delivery Location | Y / N | | NO23 pH < 2 w/ H ₂ SO ₄ | Check pH | | | |
| BOTTLE COUNT (#) AND DESCRIPTION: Sample Numbers Bottle Description: Sample Numbers | | | | CR(VI) / TOTCR(VI) / pH 9.3 - 9.7 w/ NaOH w/in 15 min | | | | ✓ field sheet for pH | | |
| | | | | ICP / HG-CVAA-M / pH < 2 w/ HNO ₃ | | | | Check pH | Y / N | Preserve By SM |
| | | | | O&G / HEM / PHENOL / pH < 2 w/ H ₂ SO ₄ | | | | Check documentation | Y / N | Preserve by SM |
| | | | | PHYTOPLANKTON / Lugols | | | | Visually inspect | Y / N | Deliver to MICRO |
| | | | | TKN / COD / pH < 2 w/ H ₂ SO ₄ within 15 min | | | | Check pH | Y / N | Preserve By SM |
| | | | | TOC / pH < 2 w/ HCl (NPDES only) | | | | Check pH | Y / N | Preserve By SM |
| | | | | TOTSULFIDE / pH > 9 w/ NaOH, ZnAc | | | | Check documentation | Y / N | Deliver to CONV |
| | | | | WDO / FIXED | | | | Visually inspect | Y / N | Deliver to CONV |
| | | | | Other: | | | | | | |
| | | | | Other: | | | | | | |
| ROUTINE SM PRESERVATION CHECKLIST (Circle and/or check applicable selections) | | | | PRODUCT / Preservation | | | | | | |
| Chlorinated Pesticides / pH 5 - 9 w/ H ₂ SO ₄ or NaOH | | | | ✓ field sheet for F. pH | | | | Y / N | | |
| HG-CVAA-L-Teflon (T / D) / pH < 2 w/ ULTRA HCl | | | | Preserve & deliver | | | | NA | | |
| ICPMS / HG-CVAA-M (T / D) / pH < 2 w/ ULTRA HNO ₃ | | | | Preserve & deliver | | | | NA | | |
| TOC / pH < 2 w/ HCl | | | | Preserve & deliver | | | | NA | | |
| Other: | | | | | | | | | | |
| Other: | | | | | | | | | | |
| INTERFERENCE TEST (Circle and/or check applicable selections) | | | | PRODUCT / Interference (SM Action) | | | | | | |
| BNA / Chlorine (Check documentation) | | | | Y / N / not tested | | | | Y / N | | |
| CN / Chlorine (Check documentation) | | | | Y / N / not tested | | | | Y / N | | |
| CN / Sulfide (Check field sheet for DP) | | | | Y / N / not tested | | | | Y / N | | |
| VOA / Chlorine (Check documentation) | | | | Y / N / not tested | | | | Y / N | | |
| Other: | | | | | | | | | | |
| Other: | | | | | | | | | | |
| HEADSPACE CHECK | | | | PRODUCT (SM Action) | | | | | | |
| MICRO (Visually inspect) | | | | Check For | | | | Acceptable? | | |
| TOTSULFIDE (Visually inspect) | | | | Headspace (@ 1") | | | | Y / N | | |
| VOA (Visually inspect) | | | | Headspace (< 1") | | | | Y / N | | |
| WDO (Visually inspect) | | | | Zero headspace | | | | Y / N | | |
| Other: | | | | Zero headspace | | | | Y / N | | |
| Other: | | | | | | | | | | |
| FIELD FILTRATION CHECKLIST (Circle and/or check applicable selections) | | | | FIELD FILTRATION CHECKLIST (Circle and/or check applicable selections) | | | | | | |
| ORTHOP (Check Field Sheet) | | | | Y (within 15 min y / n) / N | | | | Y / N | | |
| NO2 / NO3 / NH3 / SI (Documentation) | | | | Y (within 1 day y / n) / N | | | | Y / N | | |
| Dissolved Metals (Check Field Sheet) | | | | Y (within 15 min y / n) / N | | | | Y / N | | |
| DOC (Deliver / Notify Unit) | | | | Y (within 15 min or 1 day) / N | | | | Y / N | | |
| DCOD / CR(VI) (Deliver / Notify Unit) | | | | Y (within 15 min y / n) / N | | | | Y / N | | |
| Other: | | | | | | | | | | |
| Other: | | | | | | | | | | |
| COMMENTS / NOTIFICATIONS | | | | | | | | | | |

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

NOTES

1. Deliver dissolved Hg-CVAF samples to METALS for filtration.
2. Deliver double-bagged metals/samples to METALS for preservation.
3. Do not rest 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 Spent" for composite samples during sample login.
6. Split algae sample into 60 mL clear glass if PHYTOQUAL is requested.

SM Signature: _____

Date / Time Completed: _____

10/31/24 10:19

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067896

Client: CITY OF EVERETT - IPT Date Received: 11/21/24
Program: IPT - EWPCF Data Release: CM
Contact: Shane Sinclair Date Reported: 05/30/25

| | | | | | | | | |
|--------------------------|--------|---------|------|-----|----------------------------------|-------|------------------|---------|
| BQ81927 - FEN | | | | | Sample Date/Time: 11/20/24 07:30 | | Sampler: AP / CJ | |
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Dis. Hexavalent Chromium | | 0.038 | | | | µg/L | 12/05/24 12:56 | CM |

CITY OF EVERETT
ENVIRONMENTAL LABORATORY

PROJECT # 00067896

Client: CITY OF EVERETT - IPT Date Received: 11/21/24
Program: IPT - EWPCF Data Release: CM
Contact: Shane Sinclair Date Reported: 05/30/25

| | | | | | | | | |
|--------------------------|--------|---------|------|-----|----------------------------------|-------|------------------|---------|
| BQ81928 - PI | | | | | Sample Date/Time: 11/20/24 07:30 | | Sampler: AP / CJ | |
| CONTRACT | Method | Results | Qual | MDL | PQL | Units | Analysis Time | Analyst |
| Dis. Hexavalent Chromium | | 0.038 | | | | µg/L | 12/05/24 12:56 | CM |



Report Prepared For:

Everett Environmental Lab

Client Project Description:
67896

Work Order: AEK0029

Date of Preparation: 11-29-2024



Burlington, WA *Corporate Laboratory (a)* 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
Bellingham, WA *Microbiology (b)* 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212
Portland, OR *Microbiology/Chemistry (c)* 9725 SW Commerce Cir, Ste A-2 - Wilsonville, OR 97070 - 503.682.7802
Corvallis, OR *Microbiology/Chemistry (d)* 1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946
Bend, OR *Microbiology (e)* 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

November 29, 2024

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

RE: NPDES

Enclosed are the analytical results for Work Order AEK0029 received by our laboratory on 11/21/2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Lawrence J Henderson". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Lawrence J Henderson
Director of Laboratories, Vice President

Table of Contents

| | |
|----------------------------|----|
| Samples in Report | 4 |
| Sample Results | 5 |
| Quality Assurance Results | 7 |
| Certified Analyses | 11 |
| Certifications | 11 |
| Qualifiers and Definitions | 12 |
| Exceptions List | 13 |
| Chain of Custody PDF | 14 |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Samples in this Report

| Lab ID | Sample | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|--------------|---------------|
| AEK0029-01 | BQ81927 - FEN | Water | 11/20/2024 | 11/21/2024 |
| AEK0029-02 | BQ81928 - PI | Water | 11/20/2024 | 11/21/2024 |

| | | |
|---|--|--------------------------------------|
| Everett Environmental Lab 3200 Cedar Street Everett, WA 98201 | Project: NPDES Project Number: 67896 Project Manager: Shane Sinclair | Reported: 11/29/2024 11:17 |
|---|--|--------------------------------------|

Sample Results

| Sample Description: BQ81927 - FEN Lab Number: AEK0029-01 (Water) | | | | Comments: | | | | | | Sampled: 11/20/2024 7:30:00AM Collected By: Charles Johnstone | | |
|---|---------|--------|------|-----------------------|--------------------|-------|------------------|---------------------|--------|--|--|--|
| CAS | Analyte | Result | Qual | Quantitation Limit | Detection Limit | Units | Date Analyzed | Analyst Initials | Method | Analyzed By Burlington | | |

Hexavalent Chromium

| | | | | | | | | | |
|------------|---------------------|--------|--|--------|---------|------|------------|-----|-----------|
| 18540-29-9 | Hexavalent Chromium | 0.0380 | | 0.0300 | 0.00975 | ug/L | 11/27/2024 | LJH | EPA 218.6 |
|------------|---------------------|--------|--|--------|---------|------|------------|-----|-----------|

| | | |
|---|--|--------------------------------------|
| Everett Environmental Lab 3200 Cedar Street Everett, WA 98201 | Project: NPDES Project Number: 67896 Project Manager: Shane Sinclair | Reported: 11/29/2024 11:17 |
|---|--|--------------------------------------|

Sample Results
(Continued)

| | | | | | | | | | |
|----------------------------------|---------|-----------|------|-------------------------------|---------------------------------|-------|---------------|------------------|--------|
| Sample Description: BQ81928 - PI | | | | Sampled: 11/20/2024 7:30:00AM | | | | | |
| Lab Number: AEK0029-02 (Water) | | Comments: | | | Collected By: Charles Johnstone | | | | |
| CAS | Analyte | Result | Qual | Quantitation Limit | Detection Limit | Units | Date Analyzed | Analyst Initials | Method |

Analyzed By Burlington

Hexavalent Chromium

| | | | | | | | | | |
|------------|---------------------|--------|--|--------|---------|------|------------|-----|-----------|
| 18540-29-9 | Hexavalent Chromium | 0.0380 | | 0.0300 | 0.00975 | ug/L | 11/27/2024 | LJH | EPA 218.6 |
|------------|---------------------|--------|--|--------|---------|------|------------|-----|-----------|

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Quality Control



Hexavalent Chromium

| Analyte | Result Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|-------------|---------------------------|-------|-------------------------------|---------------|-------------|-------------|------|-----------|
| Batch: BEK0218 - Metals Filtration | | | | | | | | | |
| Duplicate (BEK0218-DUP1) | | Source: AEK0026-01 | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.0920 | 0.0300 | ug/L | | 0.0920 | | | 0.00 | 200 |
| Duplicate (BEK0218-DUP2) | | Source: AEK0033-01 | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.0520 | 0.0300 | ug/L | | 0.0480 | | | 8.00 | 200 |
| Matrix Spike (BEK0218-MS1) | | Source: AEK0025-01 | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.377 | 0.0300 | ug/L | 0.300 | 0.0690 | 103 | 70-130 | | |
| Matrix Spike (BEK0218-MS2) | | Source: AEK0031-02 | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.454 | 0.0300 | ug/L | 0.300 | 0.129 | 108 | 70-130 | | |
| Matrix Spike Dup (BEK0218-MSD1) | | Source: AEK0025-01 | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.366 | 0.0300 | ug/L | 0.300 | 0.0690 | 99.0 | 70-130 | 2.96 | 20 |
| Matrix Spike Dup (BEK0218-MSD2) | | Source: AEK0031-02 | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.420 | 0.0300 | ug/L | 0.300 | 0.129 | 97.0 | 70-130 | 7.78 | 20 |
| Batch: SEK0005 - BEK0123 | | | | | | | | | |
| Blank (SEK0005-CAL1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.00200 | | ug/L | | 0.00 | | | | |
| 0.030 (SEK0005-CAL2) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0310 | | ug/L | | 0.0300 | 103 | | | |
| 0.100 (SEK0005-CAL3) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0950 | | ug/L | | 0.100 | 95.0 | | | |
| 0.250 (SEK0005-CAL4) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.244 | | ug/L | | 0.250 | 97.6 | | | |
| 0.500 (SEK0005-CAL5) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.495 | | ug/L | | 0.500 | 99.0 | | | |
| 1.000 (SEK0005-CAL6) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.981 | | ug/L | | 1.00 | 98.1 | | | |
| 2.000 (SEK0005-CAL7) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 2.00 | | ug/L | | 2.00 | 100 | | | |
| CCB (SEK0005-CCB2) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.00900 | | ug/L | | 0.00 | | | | |
| CCV 0.500ppb (SEK0005-CCV2) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.512 | | ug/L | | 0.500 | 102 | 85-115 | | |
| MRL 0.03 (SEK0005-CRL1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.0350 | | ug/L | | 0.0300 | 117 | 50-150 | | |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Quality Control (Continued)



Hexavalent Chromium (Continued)

| Analyte | Result Qual | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit |
|---|-------------|-----------------|-------|-------------------------------|---------------|------------|-------------|-----|-----------|
| Batch: SEK0005 - BEK0123 (Continued) | | | | | | | | | |
| Initial Cal Blank (SEK0005-ICB1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.00500 | | ug/L | 0.00 | | | | | |
| QCSMetals (SEK0005-SCV1) | | | | Prepared & Analyzed: 11/14/24 | | | | | |
| Hexavalent Chromium | 0.764 | | ug/L | 0.732 | | 104 | 90-110 | | |
| Batch: SEK0010 - BEK0218 | | | | | | | | | |
| CCB (SEK0010-CCB2) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.0150 | | ug/L | 0.00 | | | | | |
| CCB (SEK0010-CCB3) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.0110 | | ug/L | 0.00 | | | | | |
| CCV 0.500ppb (SEK0010-CCV2) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.523 | | ug/L | 0.500 | | 105 | 85-115 | | |
| CCV 1.000ppb (SEK0010-CCV3) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 1.03 | | ug/L | 1.00 | | 103 | 85-115 | | |
| MRL 0.03 (SEK0010-CRL1) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.0320 | | ug/L | 0.0300 | | 107 | 50-150 | | |
| Wash (SEK0010-IBL1) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | ND U | 0.0300 | ug/L | | | | | | |
| Wash (SEK0010-IBL2) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | ND U | 0.0300 | ug/L | | | | | | |
| Wash (SEK0010-IBL3) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.0230 U | 0.0300 | ug/L | | | | | | |
| Wash (SEK0010-IBL4) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.0220 U | 0.0300 | ug/L | | | | | | |
| Initial Cal Blank (SEK0010-ICB1) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.00300 | | ug/L | 0.00 | | | | | |
| QCSMetals (SEK0010-SCV1) | | | | Prepared & Analyzed: 11/27/24 | | | | | |
| Hexavalent Chromium | 0.755 | | ug/L | 0.732 | | 103 | 90-110 | | |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Edge Analytical - Burlington - Data Review Checklist



| | |
|-------------------------------------|---------------------------------------|
| Analytical Method: EPA 218.6 | Batch/Sequence Number: SEK0005 |
| Instrument: IC07 | Analyst: LJH |
| Reviewer: LJH | Review Date: 11/15/24 |

Edge Analytical - Burlington

| Passes | Criteria |
|--------|--|
| YES | Comments |
| YES | % Relative Error or Relative Standard Error has been calculated and is acceptable |
| YES | QCS $\pm 10\%$ (Required Quarterly) |
| YES | LFB $\pm 10\%$ after every 10 samples and at the end of the analytical batch. |
| YES | MB/LRB at the beginning, every 10 samples and at the end of the analytical batch. The concentration must be below 1/2 the MRL. |
| YES | Duplicates every 10 samples, RPD $\pm 20\%$ |
| YES | Correlation coefficient (r) value at least 0.999 |
| YES | Units in PPB or PPM |
| YES | Dilution factors (DF) entered if necessary |
| YES | PQL and MDL Correct |
| YES | Qualifiers used where appropriate |
| YES | Standards, calibration and reagents recorded on instrument printout. |
| YES | Standards and reagents |
| | Eluent and Color Reagent were made on 11/13/24. Calibration standards were made on 11/14/24 |
| YES | Where Samples Analyzed Within Holding Time? |
| YES | Did all samples meet the lab's standard conditions for sample acceptability upon receipt? |
| YES | LFM every 10 samples, recoveries $\pm 30\%$ |
| YES | Pipettors Used and Checked |
| | Pipettor Cal Check Pipettor Set Vol Vol IN48 7 NA IN49 2 2.025 IN33 0.25 0.248 IN34 0.1 0.10 |

| | |
|-------------------------------------|---------------------------------------|
| Analytical Method: EPA 218.6 | Batch/Sequence Number: SEK0010 |
| Instrument: IC07 | Analyst: LJH |
| Reviewer: LJH | Review Date: 11/29/24 |

Edge Analytical - Burlington

| Passes | Criteria |
|--------|--|
| YES | Did all samples meet the lab's standard conditions for sample acceptability upon receipt? |
| YES | Correlation coefficient (r) value at least 0.999 |
| YES | QCS $\pm 10\%$ (Required Quarterly) |
| YES | LFB $\pm 10\%$ after every 10 samples and at the end of the analytical batch. |
| YES | MB/LRB at the beginning, every 10 samples and at the end of the analytical batch. The concentration must be below 1/2 the MRL. |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Edge Analytical - Burlington - Data Review Checklist



| | |
|-----|--|
| YES | Duplicates every 10 samples, RPD $\pm 20\%$ |
| YES | LFM every 10 samples, recoveries $\pm 30\%$ |
| YES | % Relative Error or Relative Standard Error has been calculated and is acceptable |
| YES | Units in PPB or PPM |
| YES | Dilution factors (DF) entered if necessary |
| YES | PQL and MDL Correct |
| YES | Qualifiers used where appropriate |
| YES | Standards, calibration and reagents recorded on instrument printout. |
| YES | Standards and reagents |
| | Eluent and Color Reagent were made on 11/26/24. Calibration standards were made on 11/27/24 |
| YES | Where Samples Analyzed Within Holding Time? |
| YES | Pipettors Used and Checked |
| | Pipettor Cal Check Pipettor Set Vol Vol IN48 7 NA IN49 2 2.025 IN33 0.25 0.248 IN34 0.1 0.100 |
| YES | Comments |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Certified Analyses included in this Report



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

* - Not accredited, all method quality control performed.

List of Certifications {@Cont'd}

Edge Analytical - Burlington



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

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Notes and Definitions

| Item | Definition |
|--------|---|
| U | Analyte included in the analysis, but not detected |
| Dry | Sample results reported on a dry weight basis. |
| ND | Analyte NOT DETECTED at or above the reporting limit. |
| RPD | Relative Percent Difference |
| %REC | Percent Recovery |
| Source | Sample that was matrix spiked or duplicated. |

Everett Environmental Lab
3200 Cedar Street
Everett, WA 98201

Project: NPDES
Project Number: 67896
Project Manager: Shane Sinclair

Reported:
11/29/2024 11:17

Items for Project Manager Review

| LabNumber | Analysis | Analyte | Exception |
|------------|-----------------------|---------|---|
| | | | Default Report (not modified) |
| | | | VERSION 6.22:1015 |
| | Cr+6 (218.6) FILTERED | (Water) | J-Flags used |
| | Cr+6 (218.6) FILTERED | (Water) | Result calculations based on MDL |
| | Cr+6 (218.6) FILTERED | (Water) | TMin = 1.0C°; TMax = 6.0C° |
| | Cr+6 (218.6) FILTERED | (Water) | U-Flags used |
| AEK0029-01 | Cr+6 (218.6) FILTERED | (Water) | 'Default Cooler' out of range for this analysis: 14.5C° |
| AEK0029-02 | Cr+6 (218.6) FILTERED | (Water) | 'Default Cooler' out of range for this analysis: 14.5C° |



**CITY OF EVERETT
ENVIRONMENTAL LABORATORY**

Ph: 425.257.8230 Fax 425.257.8228

Sample Dropoff: 4027 4th St SE, Everett WA 98201

Mailing Address: 3200 Cedar ST, Everett WA 98201

**ENVIRONMENTAL
ANALYSIS REQUEST
CHAIN OF CUSTODY**

Date: **11/21/2024**

AEK0029

PROJECT #

67896

{Lab Use Only}

| Client: | | | | | |
|---|-----------------------------|---|-------------|--|------------------------|
| City of Everett | | | | | |
| Program/ Project: IPT - Quarterly | | Site/ Address: EWPCF | | Address: 3200 Cedar St Everett, WA 98201 | |
| Phone: 425.257.8240 | | Sampler: Charles Johnstone | | Requested By: Shane Sinclair | |
| E-Mail: ssinclair@everettwa.gov / apennington@everettwa.gov | | | | | |
| | | Sample Matrix: SW - Surface Water WW - Wastewater W - Water GW - Ground Water S - Solid FB - Field Blank Other | | | |
| Sample Description: | LIMS ID # (Lab Use Only) | Sample Date | Sample Time | Comp Grab | Dissolved Hex Chromium |
| FEN | BQ81927 | 11/20 | 0730 | Comp | WW |
| PI | BQ81928 | 11/20 | 0730 | Comp | WW |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Cooler? | Y / N | Ice? | Y / N | Sample Temp: | Total # of Containers: |
| | | | | 8 °C | 3 |
| Relinquished*: | | Received: | | | |
| [Signature] | | 1) [Signature] Date: 11/21/2024 Time: 1028 | | | |
| [Signature] | | 2) MSM(WI)PU01 14.5 C Date: 11-21-20 Time: 1150 | | | |
| | | 3) Date: Time: | | | |

COMMENTS:

**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.*