

July 10, 2025

Tena Seeds  
Toxics Cleanup Program  
Department of Ecology  
Northwest Regional Office  
P.O. Box 330316  
Shoreline, Washington 98133

Re: Maralco Site Agreed Order No. DE 22343  
Progress Report No. 6: Reporting Period April to June 2025

Dear Tena:

This progress report summarizes the activities performed from April to June 2025 in fulfillment of Agreed Order DE 22343 for the Maralco Site in Kent, Washington. This progress report provides a summary of the work performed, deviations from the scope of work, laboratory analyses, and work anticipated during the following reporting period. Progress Reports will be submitted quarterly, consistent with the requirements of the Agreed Order.

### ***1. Activities Conducted During Reporting Period***

The following activities were conducted during the reporting period:

- Monitoring well MW-12 was installed and developed on April 1, 2025.
- Decommissioned well MW-9 on April 8, 2025 because it overlapped with the TPH sheen area removal footprint. MW-9R, replacement well, was installed and developed on May 13, 2025.
- Well Installation of off-property wells MW-13 and MW-14 occurred on April 28, 2025; wells were developed on April 29, 2025.
- First quarterly groundwater sampling of off-property wells on April 10 (MW-12) and April 30, 2025 (MW-13 and MW-14).
- Second quarterly groundwater sampling of all on and off-property wells (MW-1 through MW-14) occurred May 20 through 23, 2025.
- Soil excavation and sampling of contaminated soil in the former TPH Sheen Area occurred April 3 through April 21, 2025.
- Submitted to Ecology on May 15, 2025 via electronic mail a review of surface water ditch source information for facilities that are discharging to ditches that may be associated with the Site. (Attachment 1)

### ***2. Deviations from Scope of Work, Schedule, or Deliverables***

None.

### **3. Laboratory Analyses**

The following laboratory analyses activities were conducted during the reporting period and are provided in Attachment 2:

- Direct push soil and groundwater sampling data from the SRIWP for DPT-25 and DPT-26 (sampled on March 17, 2025).
- Groundwater data associated with the first quarter 2025 groundwater sampling event from Brooks Applied Labs (which was not included in the first quarter 2025 progress report as it was not issued at the time of that progress report) and groundwater data from MW-12 (sampled on April 10, 2025), MW-13 (sampled on April 30, 2025), and MW-14 (sampled on April 30, 2025).
- Groundwater data associated with the second quarter 2025 groundwater sampling event (MW-1 through MW-14) May 20 through 23, 2025.
- Data associated with the TPH sheen area excavation for soil samples collected on April 3, April 4, April 17, and April 21, 2025.

### **4. Activities and Planned Deliverables Anticipated for Next Reporting Period**

- Ongoing coordination with Ecology regarding the SRIWP and area stormwater drainage.
- Decommission MW-7 because it overlaps with construction activities and install a replacement well MW-7R (July 2025)
- Complete third quarter SRIWP groundwater sampling in July or August 2025.
- Complete the off-site wetland Phase 2 Interim Action removal in July or August 2025.

Please contact me if you have questions about any of the information contained in this Progress Report.

Sincerely,  
CRETE CONSULTING INCORPORATED, PC



Grant Hainsworth, P.E.  
Principal, Senior Project Manager

cc: Kyle Siekawitch, 7730 202nd Street, LLC

Attachment 1 – Email to Ecology re Maralco Surface Water Items, dated May 15, 2025  
Attachment 2 – Copies of Laboratory Reports

**Attachment 1 – Email to Ecology re Maralco Surface Water Items, dated May 15, 2025**

## Jamie Stevens

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**From:** Jamie Stevens  
**Sent:** Thursday, May 15, 2025 2:52 PM  
**To:** tena.seeds@ecy.wa.gov  
**Cc:** Kyle Siekawitch; Thomas Morin; 'Grant Hainsworth'; Ken Lederman  
**Subject:** Maralco surface water items  
**Attachments:** For Ecology\_Maralco Stormwater Backup Information\_20250506.pdf

Tena –

We're circling back to the surface water / sediment issues we discussed relative to the off-property wetland. We had discussed reviewing the potential variety of inputs and sources to that ditch / wetland and the number of PLPs that could bear responsibility for any impacts that may be detected.

Attached you'll find a summary of readily available information, including from PARIS, related to stormwater inputs to the wetland. There are numerous sources, several with active and inactive permits, and several with known permit violations to permits, all of which feed directly into the on-property ditch system. There are also a large number of inputs to the King County Drainage District. This summary is unlikely to be the full universe of permits or violations, and it's unclear to what extent permit holders are actually complying with their monitoring and reporting requirements. We are not able to find data for all of the violations, but what we did find shows violations for zinc, copper and oil and grease for inputs that flow onto the property ditch system and similar for ones off site.

Additionally, the permittees are being held to the Ecology Industrial Stormwater General Permit (ISGP) Benchmarks, which are much higher than the PCUL values. As examples, the PCUL for copper is 2.1 ug/L, the ISGP benchmark is 14 ug/L, the PCUL for zinc is 24 ug/L vs the ISGP benchmark of 117 ug/L.

The ISGP also only requires testing for a short list of compounds. Most are limited to turbidity, pH, oil/grease, copper, zinc and some also require lead, mercury, phosphorus, ammonia, penta, fecal coliform/E.Coli/Enterococc, and TSS. We are not able to determine which list of compounds the other inputs are sampling for, but based on what we could find, it looks like the bulk are sampling for the shorter list.

We've also evaluated actual surface water quality entering the property to assess the degree to which that water already exceeds the PCULs, as outlined in the SRIWP. The attached table presents the results of surface water samples collected at the southern and eastern inputs onto the Site. You can see that this water exceeds the PCULs for aluminum, copper, iron, and zinc in total samples from both locations and also lead, manganese, and mercury in the southern sample only. Copper also exceeds the ISGP benchmark in the total sample from the south, all other results are below the benchmark values.

Data has not been collected from the onsite ditch system as the site remains under active construction and all site water is being processed through the construction treatment system.

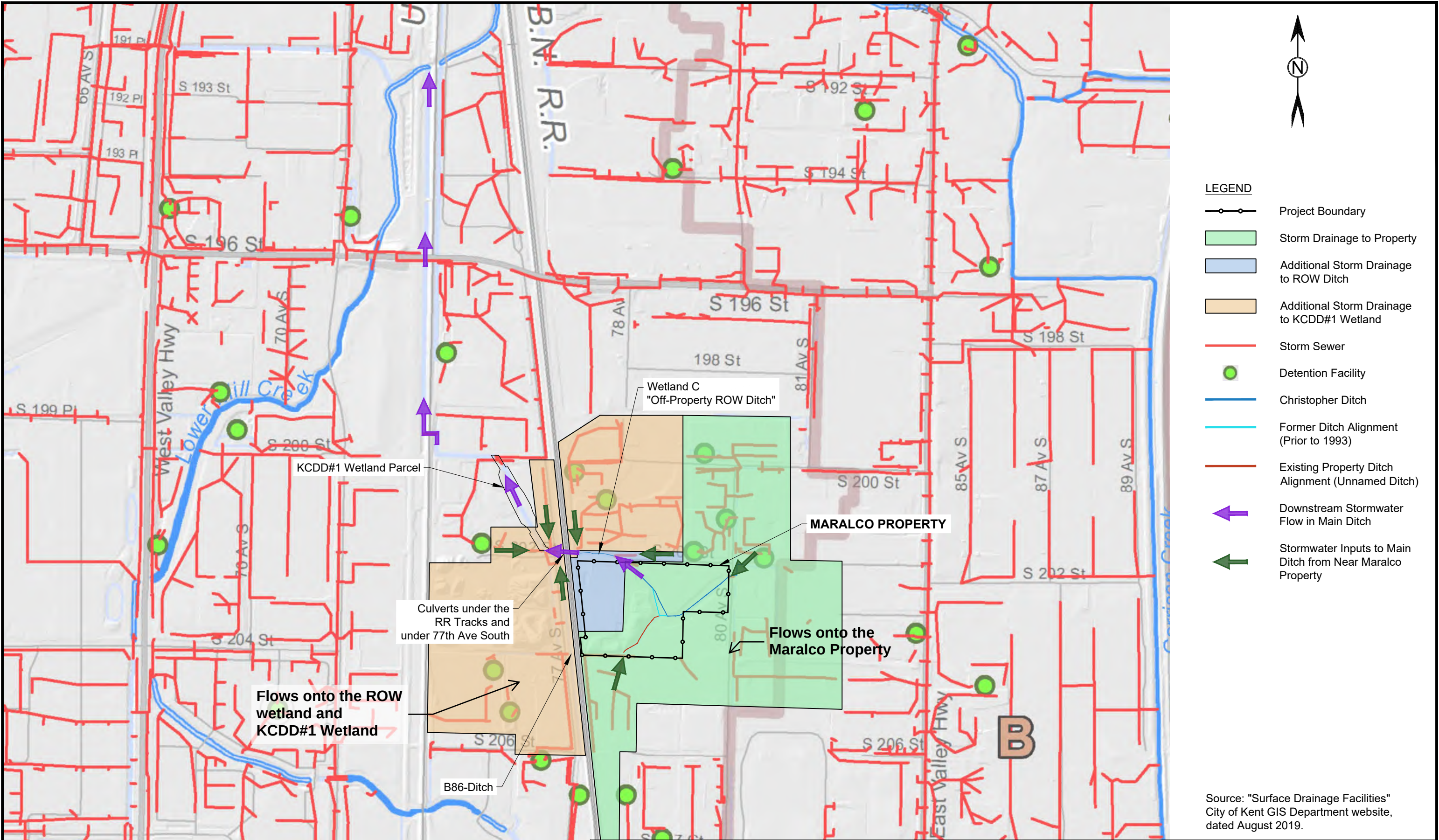
The overarching finding of our analysis is that there are several known, and potentially multiple unknown, inputs that have or are still contributing to the ditch and wetland at concentrations above the PCULs. Even if a permittee is in compliance with its ISGP benchmarks, those benchmarks still exceed the PCULs. Evaluating the Maralco Site on PCULs while other sources have inputs to the Site and off-site locations at values higher than the PCULs creates an inequitable and inaccurate evaluation of our contribution to off-property impacts.

We look forward to discussing next steps with you. Would it be helpful to have another meeting after you (and the Ecology team) has had time to process this information?

Jamie Stevens, P.E.  
Environmental Engineer  
206.799.2744

Crete Consulting Inc.  
[www.creteconsulting.com](http://www.creteconsulting.com)  
[jamie.stevens@creteconsulting.com](mailto:jamie.stevens@creteconsulting.com)

File: Maralco Site Adj\_2024.dwg Layout: Storm



Source: "Surface Drainage Facilities"  
City of Kent GIS Department website,  
dated August 2019.



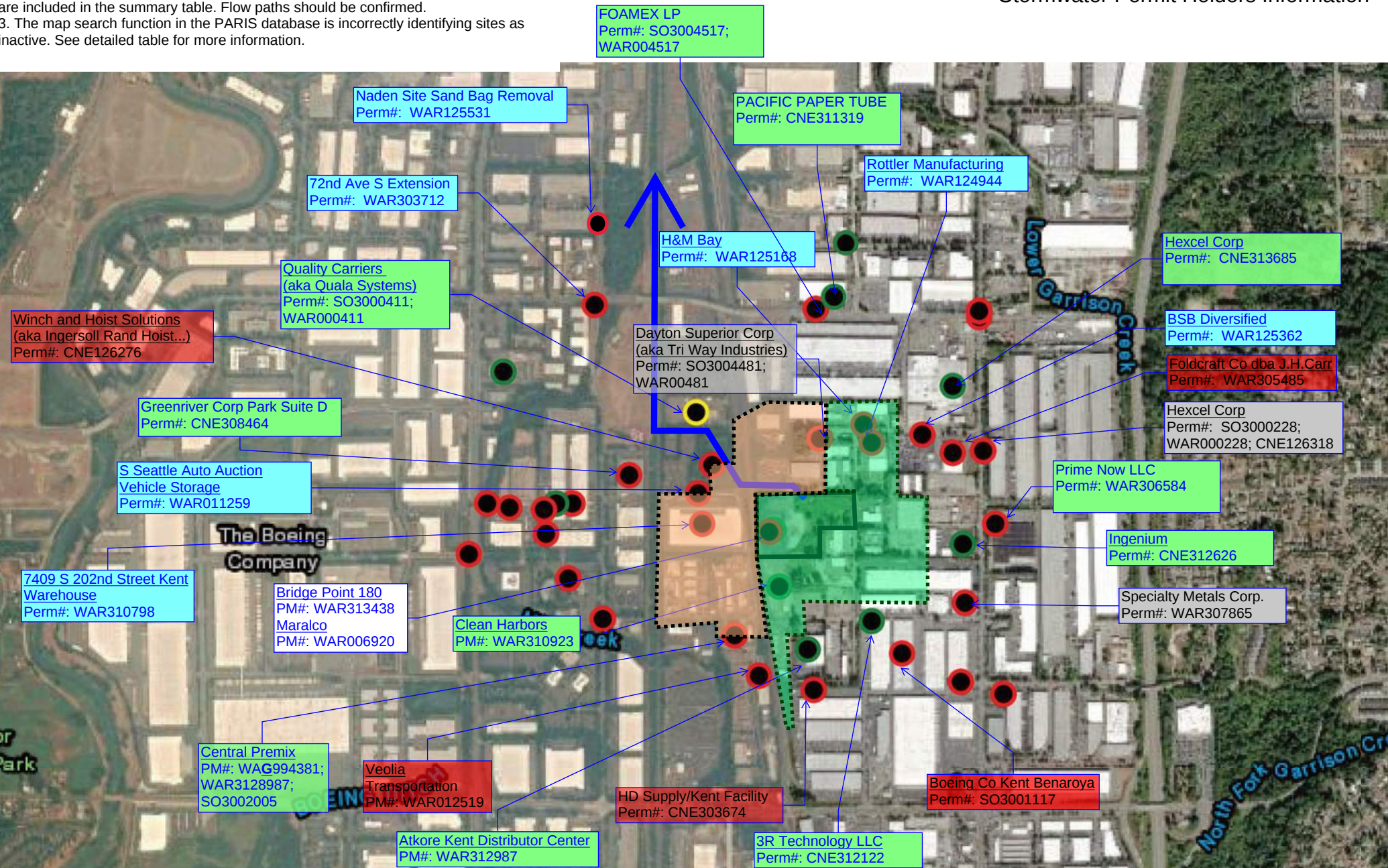
Maralco Site  
7730 South 202nd Street  
Kent, Washington  
1/13/25

Figure 3  
Current Stormwater Flow Conditions

Notes:

1. If no receiving water bodies are listed, it is assumed these may flow into the ditch that flows eventually into Mill Creek.
2. Sites that flow directly into Mill Creek (to the east) are not called out on this map but are included in the summary table. Flow paths should be confirmed.
3. The map search function in the PARIS database is incorrectly identifying sites as inactive. See detailed table for more information.

Figure 1  
Stormwater Permit Holders Information



**LEGEND**

Project Boundary

Storm Drainage to Property

Additional Storm Drainage to KCDD#1 Wetland

Ditch to Mill Creek (approx)

Industrial SW GP - Active

Industrial SW GP - Inactive

Construction SW GP

Discharge to Garrison Creek

PARIS database location ID (green, red or yellow)

Table 1 - Summary Table from Water Quality Permitting and Reporting Information System (PARIS)

| Approx. Distance From Maralco Site                                                  | Facility Name                                                      | General Locations to Maralco Site                                           | Permittee Water Body (if noted in PARIS) | Permit Number                    | Permit Type (color corresponds with map) | Permit Status | Effective Date          | Exp Date | Industrial Class                                                  | Facility Location | # of Violations Listed | # of Enforce-ments Listed | Violations Noted/Recorded in PARIS?                                                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|----------------------------------|------------------------------------------|---------------|-------------------------|----------|-------------------------------------------------------------------|-------------------|------------------------|---------------------------|-------------------------------------------------------------------------------------|
| Sites that flow onto the Maralco Site (confirmed and suspected)                     |                                                                    |                                                                             |                                          |                                  |                                          |               |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.211                                                                               | Clean Harbors                                                      | Flows onto Maralco site                                                     | Outfall 1                                | WAR310923                        | Industrial SW GP                         | Active        | Mar 2022                | Dec 2026 | SIC 4959/NAICS 562998 (Sanitary Services/All Other Miscellaneous) | S of site         | 4                      | 0                         | zinc and copper exceedances; failure to analyze fecal coliform                      |
| 0.347                                                                               | Rottler Manufacturing Building Add                                 | Flows onto Maralco site                                                     | Unnamed Wetland                          | WAR124944                        | Construction SW GP                       | Inactive      | May 2011                | Dec 2015 | SIC 1794 (Excavation Work)                                        | NE of site        | 4                      | 2                         | Y- Late submittal of DMRs                                                           |
| 0.375                                                                               | H and M Bay - Kent Facility                                        | Flows onto Maralco site                                                     | Mill Creek                               | WAR125168                        | Construction SW GP                       | Inactive      | Jul 2011                | Dec 2015 | SIC 1794 (Excavation Work)                                        | NE of site        | 0                      | 1                         | Y-Failure to submit monitoring reports                                              |
| 0.277                                                                               | DAYTON SUPERIOR CORPORATION                                        | North of Maralco Site - unable to confirm that this flows to Garrison Creek | Garrison Creek                           | SO3004481/WAR004481              | Industrial SW GP                         | Inactive      | Feb 2002                | Jan 2015 | SIC 3441/4425/NAICS 4225: Fabricated Structural Metal/N of site   | N of site         | 4                      | 0                         | Y-Turbidity, PH, Zinc, O&G Benchmarks Exceeded                                      |
| 0.406                                                                               | Atkore Kent Distribution Center                                    | upgradient - Might flow onto Maralco site                                   | Mill Creek                               | WAR312987                        | Industrial SW GP                         | Active        | Feb 2024                | Dec 2029 | SIC 4226/NAICS 493110 (Special Warehouse & Storage; C             | S of site         | 22                     | 0                         | Y- Zinc; Missing analyses; Late report.                                             |
| 0.49                                                                                | BSB Diversified Co Inc                                             | unknown - in close proximity to Maralco site (to the NE)                    | Not listed                               | WAR125362                        | Construction SW GP                       | Inactive      | Jan 2012                | Dec 2015 | Excavation work                                                   | NE of site        |                        |                           | N                                                                                   |
| 0.507                                                                               | Veolia Transportation                                              | upgradient - Might flow onto Maralco site                                   | Mill Creek                               | WAR012519                        | Industrial SW GP                         | Inactive      | Jul 2010                | Dec 2019 | SIC 411 (Local and Suburban Transportation                        | S of site         | 32                     | 1                         | Y (downloaded)- BM exc (zinc, copper, ph, turbidity, late submittals, missing data) |
| 0.534                                                                               | BOEING COMPANY KENT BENAROYA                                       | upgradient - Might flow onto Maralco site                                   | Not listed                               | SO3001117                        | Industrial SW GP                         | Inactive      | NO DATA FOR THIS PERMIT |          |                                                                   | S of site         |                        |                           |                                                                                     |
| 0.534                                                                               | Ingenium (aka Associated Petroleum Products)                       | upgradient - Might flow onto Maralco site                                   | Not listed                               | CNE312626                        | Industrial SW GP                         | Active        | Jun 2023                | May 2028 | Specialized Freight Trucking, Long-Distance                       | S of site         |                        |                           | NA                                                                                  |
| 0.542                                                                               | Foldcraft Co dba JH Carr                                           | cross gradient - might flow onto Maralco site                               | Not listed                               | WAR305485                        | Industrial SW GP                         | Inactive      | Jun 2017                | Dec 2024 | Institutional Furniture Manufacturing/Furniture and fixt          | NE of site        |                        |                           | Y-Failure to report; Missing Analysis; Benchmark exceeded                           |
| 0.63                                                                                | Prime Now LLC UWA6                                                 | cross gradient - might flow onto Maralco site                               | Not listed                               | WAR306584                        | Industrial SW GP                         | Active        |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.394                                                                               | 3R Technology LLC                                                  | upgradient - Might flow onto Maralco site                                   | Not listed                               | CNE312122                        | Industrial SW GP                         | Active        | Jan 2023                | Dec 2027 | NAICS 423930 (Recyclable Material Merchant Wholesale              | SE of site        | 0                      | 0                         | N                                                                                   |
| 0.535                                                                               | HD Supply/Kent Facility                                            | upgradient - Might flow onto Maralco site                                   | Not listed                               | CNE303674                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| Sites that flow onto the ROW Wetland and the KCDD#1 Wetland                         |                                                                    |                                                                             |                                          |                                  |                                          |               |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.307                                                                               | 7409 S 202nd Street Kent Warehouse                                 | Flows into ROW Wetland                                                      | Not listed                               | WAR310798                        | Construction SW GP                       | Inactive      | Nov 2021                | Dec 2025 | SIC 1749 (Excavation Work)                                        | W of site         | 0                      | 1                         | NA                                                                                  |
| 0.331                                                                               | S SEATTLE AUTO AUCTION VEHICLE STORA                               | Flows into ROW Wetland                                                      | Not listed                               | WAR011259                        | Construction SW GP                       | Inactive      | NA                      | NA       | SIC 1749 (Excavation Work)                                        | W of site         | NA                     | NA                        | NA                                                                                  |
| 0.333                                                                               | WINCH AND HOIST SOLUTIONS/Ingersoll Rand Hoist and Winch Solutions | Flows into ROW Wetland                                                      | Not listed                               | CNE309410/CNE126276              | Industrial SW GP                         | Inactive      | 10/17/2013?             | Dec 2024 | SIC 3536 (Hoists, Cranes, and Monorails)/NAICS 333923             | NW of site        | 0                      | 0                         | N                                                                                   |
| 0.41                                                                                | CENTRAL PRE MIX CONCRETE PRODUCTS/Central Premix                   | Flows into ROW Wetland                                                      | Mill Creek/Not Listed                    | WAR002005/SO3002005/WAG994381    | Industrial SW GP/Sand and                | Active/Inact  | Sep 1994                | Mar 2026 | SIC 3272/NAICS 3272 (Concrete Products/Glass & Glass P            | SW of site        |                        |                           | Y-Zinc; Copper; Turbidity; pH: Late reports                                         |
| Sites downgradient of the Maralco Site and ROW Wetland Area and the RR culvert area |                                                                    |                                                                             |                                          |                                  |                                          |               |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.481                                                                               | QUALITY CARRIERS INC (aka Quala Systems)                           | Down gradient                                                               | Mill Creek; Drain 1                      | WAR000411                        | Industrial SW GP                         | Active        | Jan 2025                | Dec 2029 | SIC 4213, 4231, 7699/NAICS 4213, 484121, 484110, 4842             | NW of site        |                        |                           |                                                                                     |
| 0.558                                                                               | Greenriver Corporate Park Suite D                                  | Down gradient                                                               | Not listed                               | CNE308464                        | Industrial SW GP                         | Active        | May 2019                | Apr 2024 | NAICS 493110 (General Warehousing & Storage                       | W of site         | 0                      | 0                         | N                                                                                   |
| 0.684                                                                               | Future Foam, Inc./FOAMEX LP                                        | Down gradient                                                               | Mill Creek                               | SO3004517/WAR004517              | Industrial SW GP                         | Active        | Mar 2002                | Dec 2029 |                                                                   |                   | 104                    | 8                         | zinc                                                                                |
| 0.949                                                                               | 72nd Ave S Extension                                               | Down gradient                                                               | Mill Creek                               | WAR303712                        | Construction SW GP                       | Inactive      | Nov 2015                | Feb 2020 |                                                                   |                   | 12                     | 8                         |                                                                                     |
| 1                                                                                   | Naden Site Sand Bag Removal                                        | Down gradient                                                               | Not listed                               | WAR125531                        | Construction SW GP                       | Inactive      | Feb 2012                | Dec 2015 |                                                                   | NW                | 3                      |                           |                                                                                     |
| 0.731                                                                               | PACIFIC PAPER TUBE                                                 | Down gradient                                                               | Not listed                               | CNE311319                        | Industrial SW GP                         | Active        |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| Sites near the Maralco Site but drain to Garrison Creek                             |                                                                    |                                                                             |                                          |                                  |                                          |               |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.636                                                                               | Hexcel Corporation/Hexcel Corporation 84TH AVE S                   | NE                                                                          | Garrison Creek                           | SO3000228/WAR000228/CNE000228/CN | Industrial SW GP                         | Inactive      | Dec 1992                | Aug 2023 | SIC 3728: Aircraft Parts and Equipment, NEC                       | NE of Site        |                        |                           | Y-many (copper, zinc, turbidity, lead, hardness, O&G,                               |
| 0.591                                                                               | Specialty Metals Corporation                                       | SE                                                                          | Garrison Creek                           | WAR307865                        | Industrial SW GP                         | Active        | Apr 2019                | Dec 2029 |                                                                   |                   | 39                     | 1                         |                                                                                     |
| Not included in the map - outside of key area of focus                              |                                                                    |                                                                             |                                          |                                  |                                          |               |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.559                                                                               | Assa Abloy Service Center                                          |                                                                             |                                          | CNE308457                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.63                                                                                | Amazon.com Services LLC BF16                                       |                                                                             |                                          | WAR306584                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.694                                                                               | MUTUAL MATERIALS KENT BLOCK PLANT                                  |                                                                             |                                          | SO3000364/WAR000364              | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.72                                                                                | SAWDUST SUPPLY                                                     |                                                                             |                                          | SO3002000/WAR002000              | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.731                                                                               | 212th Business Park                                                |                                                                             |                                          | WAR310971                        | Construction SW GP                       | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.731                                                                               | 212th Business Park Redevelopment                                  |                                                                             |                                          | WAR126680                        | Construction SW GP                       | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.756                                                                               | GKN AEROSPACE CHEM TRONICS INC                                     |                                                                             |                                          | SO3008713/WAR008713              | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.776                                                                               | BIMBO BAKERIES USA, INC                                            |                                                                             |                                          | WAR308386/CNE005564              | Industrial SW GP                         | Active        |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.805                                                                               | Earthgrains Baking Companies, Inc.                                 |                                                                             |                                          | CNE005564                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.805                                                                               | Sara Lee Fresh Inc                                                 |                                                                             |                                          | No Permit                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.805                                                                               | Bimbo Bakeries USA, Inc.                                           |                                                                             |                                          | CNE005564                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.808                                                                               | Allflight                                                          |                                                                             |                                          | WAR125326                        | Industrial SW GP                         | Active        |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.853                                                                               | DI PIETRO TRUCKING CO                                              |                                                                             |                                          | WAR001969/SO3001969              | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.875                                                                               | FEDEX NATIONAL LTL SEA                                             |                                                                             |                                          | WAR011258/SO3011258              | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.889                                                                               | TECT AEROSPACE KENT                                                |                                                                             |                                          | WAR001753/SO3001753              | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.905                                                                               | DAVIS WIRE CORP                                                    |                                                                             |                                          | WAR000041/SO3000041              | Industrial SW GP                         | Active        | Nov 1992                | Dec 1905 |                                                                   |                   |                        |                           |                                                                                     |
| 0.919                                                                               | Alsco Building                                                     |                                                                             |                                          | WAR125654                        | Construction SW GP                       | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.968                                                                               | Cascade Metallurgical Inc                                          |                                                                             |                                          | WAR001173                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.968                                                                               | RAMTREAT METAL TECHNOLOGY                                          |                                                                             |                                          | SO3001173                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.974                                                                               | Blue Origin                                                        |                                                                             |                                          | WAR305614                        | Industrial SW GP                         | Active        |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.98                                                                                | PSE Kent Substation Operations                                     |                                                                             |                                          | WAR309243                        | Construction SW GP                       | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.985                                                                               | UNIVAR USA INC LKENT                                               |                                                                             |                                          | WAR000707/SO3000707              | Industrial SW GP                         | Active        |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.991                                                                               | Boeing Kent Space Center, 18-22, 18-34 Bldg. Demo                  |                                                                             |                                          | WAR012496                        | Construction SW GP                       | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.995                                                                               | USF Reddaway Parking Lot Expansion                                 |                                                                             |                                          | WAR303825                        | Construction SW GP                       | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.995                                                                               | ABF Freight System, Inc.                                           |                                                                             |                                          | CNE312330                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.995                                                                               | Reddaway Parking Lot Expansion                                     |                                                                             |                                          | WAR308406                        | Construction SW GP                       | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |
| 0.999                                                                               | World Wide Technology, Inc.                                        |                                                                             |                                          | CNE306961                        | Industrial SW GP                         | Inactive      |                         |          |                                                                   |                   |                        |                           |                                                                                     |

Source

<https://apps.ecology.wa.gov/paris/MapSearch.aspx>

File: Maralco Site\_SRIWP2025\_Prop Fig 15.dwg Layout: Prop

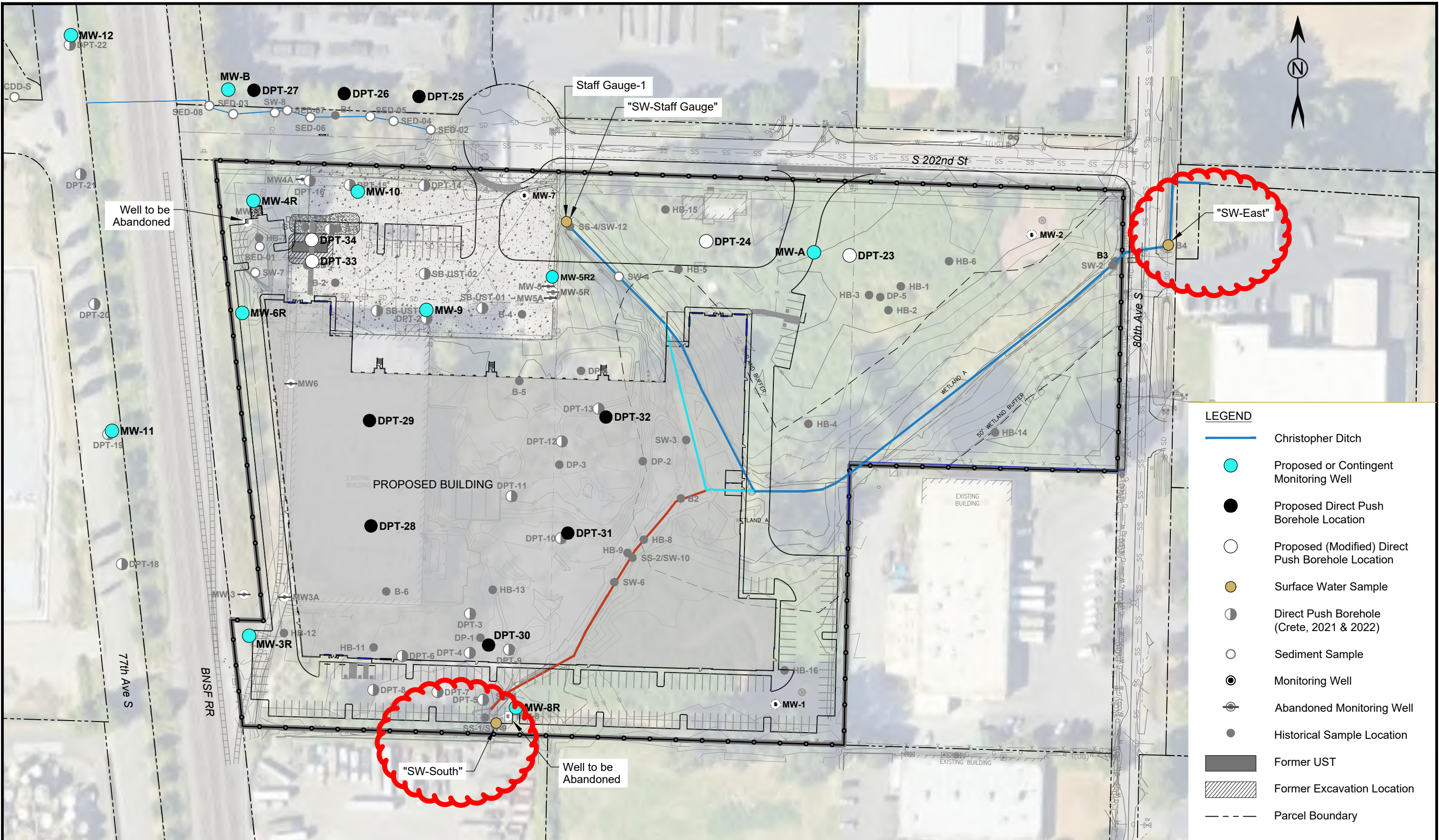


Table 1 Surface Water Data Summary  
Maralco Property - Kent, WA

| Location          | Sample ID | Date Collected | Analyte:                                  | Metals   |          |          |          |         |                |          |        |          |        |           |         |          |          |         |          |        | Geochemical Parameters |          |          |
|-------------------|-----------|----------------|-------------------------------------------|----------|----------|----------|----------|---------|----------------|----------|--------|----------|--------|-----------|---------|----------|----------|---------|----------|--------|------------------------|----------|----------|
|                   |           |                |                                           | Aluminum | Antimony | Arsenic  | Barium   | Cadmium | Total Chromium | Cobalt   | Copper | Iron     | Lead   | Manganese | Mercury | Nickel   | Selenium | Silver  | Vanadium | Zinc   | Chloride               | Fluoride | Cyanide  |
|                   |           |                | Screening Level (Based on GW SL):         | 302 *    | 5.6      | 8        | 1000     | 0.42    | 71             | 4.8      | 1.2    | 300      | 2.1    | 50        | 0.01    | 11       | 3.1      | 0.17    | 80       | 24     | 230,000                | 960      | 1.9      |
|                   |           |                | ISGP Benchmark (total sample; Western WA) | No Value | No Value | No Value | No Value | 2.1**   | No Value       | No Value | 14     | No Value | 64.6** | No Value  | 1.4**   | No Value | No Value | 3.4**   | No Value | 117    | No Value               | No Value | No Value |
| South End Manhole | SW-South  | 3/17/25        | Total                                     | 1,720    | 1.27     | 4.46     | 33.0     | 0.129 J | 4.73 J         | 2.60     | 44.9   | 3730     | 2.33   | 242       | 0.0582  | 7.38     | 0.537    | 0.087 J | 16.7     | 36.5   | 80.2                   | 5.70     | 0.050 U  |
|                   | SW-South  | 3/17/25        | Dissolved                                 | 372      | 1.12     | 2.58     | 21.7     | 0.182 U | 2.20 J         | 1.79     | 27.0   | 933      | 0.488  | 200       | 0.0207  | 5.57     | 0.454 J  | 0.152 U | 6.16     | 22.7 J | NA                     | NA       | NA       |
| 80th Ave Ditch    | SW-East   | 3/17/25        | Total                                     | 368      | 1.60     | 0.541 J  | 13.6     | 0.202   | 6.06 U         | 0.265 J  | 7.32   | 370      | 0.812  | 25.3      | 0.00572 | 3.64     | 0.505 U  | 0.152 U | 1.59     | 68.5   | 4.48                   | 0.212    | 0.050 U  |
|                   | SW-East   | 3/17/25        | Dissolved                                 | 97.5     | 1.36     | 0.453 J  | 10.3     | 0.143 J | 6.06 U         | 0.292 J  | 4.62   | 86.0     | 0.251  | 18.2      | 0.00455 | 3.64 U   | 0.505 U  | 0.152 U | 0.828    | 55.8   | NA                     | NA       | NA       |

Notes:

**Bold** - analyte detected

Reported concentration exceeds a PCUL value

Reported concentration exceeds a ISGP Benchmark

ug/L - micrograms per liter

ISGP - Industrial Stormwater General Permit, effective on January 1, 2025; [https://fortress.wa.gov/ecy/ezshare/wq/permits/ISGP\\_2025\\_FinalPermitwithErratta.pdf](https://fortress.wa.gov/ecy/ezshare/wq/permits/ISGP_2025_FinalPermitwithErratta.pdf)

NA - Not analyzed

J - Reported value is an estimate.

U - Compound is not detected at or above reporting limit

\* Aluminum value based on the West Coast Marine Forest ecoregion and that the default value is 302 ug/L.

\*\* ISGP Benchmarks are from Table 4 and may not apply. Table 4 applies to "Hazardous Waste Treatment, Storage and Disposal Facilities and Dangerous Waste Recyclers subject to the provisions of Resource Conservation and Recovery Act (RCRA) Subtitle C"

## **Attachment 2 – Copies of Laboratory Reports**

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

June 10, 2025

Jamie Stevens, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Ms Stevens:

Included are the results from the testing of material submitted on May 23, 2025 from the Maralco Supplemental RI MARALCO, F&BI 505418 project. There are 13 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Rusty Jones, Grant Hainsworth  
CTC0610R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 23, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Maralco Supplemental RI MARALCO, F&BI 505418 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 505418 -01           | MW5R2                   |
| 505418 -02           | MW3R                    |
| 505418 -03           | MW8R                    |
| 505418 -04           | MW1                     |
| 505418 -05           | MW4R                    |
| 505418 -06           | MW10                    |
| 505418 -07           | MW9R                    |
| 505418 -08           | MW2                     |
| 505418 -09           | MW11                    |
| 505418 -10           | DUP-0525                |
| 505418 -11           | MW6R                    |
| 505418 -12           | MW12                    |
| 505418 -13           | MW7                     |
| 505418 -14           | MW13                    |
| 505418 -15           | MW14                    |

The samples were sent to Alliance Technical Group for fluoride and chloride testing. In addition, samples MW10 and MW9R were sent to ATG for EPH and VPH testing. The report is enclosed.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/10/25

Date Received: 05/23/25

Project: Maralco Supplemental RI MARALCO, F&BI 505418

Date Extracted: 05/28/25

Date Analyzed: 05/29/25

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES  
USING EPA METHOD 8021B**

Results Reported as ug/L (ppb)

| <u>Sample ID</u><br>Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl<br/>Benzene</u> | <u>Total<br/>Xylenes</u> | <u>Surrogate<br/>(% Recovery)</u><br>Limit (50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|-----------------------------------------------------|
| MW9R<br>505418-07                 | <1             | <1             | <1                       | <3                       | 92                                                  |
| Method Blank<br>05-1277 MB        | <1             | <1             | <1                       | <3                       | 97                                                  |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/10/25

Date Received: 05/23/25

Project: Maralco Supplemental RI MARALCO, F&BI 505418

Date Extracted: 05/27/25

Date Analyzed: 05/28/25 and 05/30/25

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-Dx  
Sample Extracts Passed Through a  
Silica Gel Column Prior to Analysis  
Results Reported as ug/L (ppb)**

| <u>Sample ID</u><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | <u>Surrogate</u><br><u>(% Recovery)</u><br>(Limit 41-152) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|
| MW5R2<br>505418-01                | <50                                                        | <200                                                          | 114                                                       |
| MW4R<br>505418-05                 | <50                                                        | <200                                                          | 110                                                       |
| MW10<br>505418-06                 | <50                                                        | <200                                                          | 83                                                        |
| MW9R<br>505418-07                 | 52                                                         | <200                                                          | 124                                                       |
| DUP-0525<br>505418-10             | <50                                                        | <200                                                          | 109                                                       |
| MW6R<br>505418-11                 | <50                                                        | <200                                                          | 123                                                       |
| MW7<br>505418-13                  | <50                                                        | <200                                                          | 101                                                       |
| Method Blank<br>05-1300 MB        | <50                                                        | <200                                                          | 122                                                       |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/10/25

Date Received: 05/23/25

Project: Maralco Supplemental RI MARALCO, F&BI 505418

Date Extracted: 05/27/25

Date Analyzed: 05/27/25

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-Dx**  
Results Reported as ug/L (ppb)

| <u>Sample ID</u><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | <u>Surrogate</u><br>(% Recovery)<br>(Limit 41-152) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------|
| MW5R2<br>505418-01                | 160 x                                                      | <200                                                          | 130                                                |
| MW4R<br>505418-05                 | 210 x                                                      | <200                                                          | 124                                                |
| MW10<br>505418-06                 | 320 x                                                      | <200                                                          | 105                                                |
| MW9R<br>505418-07                 | 2,600 x                                                    | 540 x                                                         | ip                                                 |
| DUP-0525<br>505418-10             | <50                                                        | <200                                                          | 129                                                |
| MW6R<br>505418-11                 | 74 x                                                       | <200                                                          | 140                                                |
| MW7<br>505418-13                  | <50                                                        | <200                                                          | 120                                                |
| Method Blank<br>05-1300 MB        | <50                                                        | <200                                                          | 141                                                |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E

|                   |            |             |                                   |
|-------------------|------------|-------------|-----------------------------------|
| Client Sample ID: | MW4R       | Client:     | Crete Consulting                  |
| Date Received:    | 05/23/25   | Project:    | Maralco Supplemental, F&BI 505418 |
| Date Extracted:   | 05/27/25   | Lab ID:     | 505418-05 1/0.5                   |
| Date Analyzed:    | 05/28/25   | Data File:  | 052810.D                          |
| Matrix:           | Water      | Instrument: | GCMS9                             |
| Units:            | ug/L (ppb) | Operator:   | VM                                |

| Surrogates:          | % Recovery: | Lower Limit: | Upper Limit: |
|----------------------|-------------|--------------|--------------|
| 2-Fluorophenol       | 33          | 10           | 79           |
| Phenol-d6            | 26          | 10           | 104          |
| Nitrobenzene-d5      | 74          | 31           | 129          |
| 2-Fluorobiphenyl     | 78          | 32           | 130          |
| 2,4,6-Tribromophenol | 92          | 22           | 158          |
| Terphenyl-d14        | 94          | 48           | 155          |

| Compounds:                      | Concentration<br>ug/L (ppb) |
|---------------------------------|-----------------------------|
| 3-Methylphenol + 4-Methylphenol | <0.25                       |
| Naphthalene                     | <0.045                      |
| 2-Methylnaphthalene             | <0.0075                     |
| 1-Methylnaphthalene             | <0.01                       |
| Acenaphthylene                  | <0.004 j                    |
| Acenaphthene                    | <0.004 j                    |
| Fluorene                        | <0.004 j                    |
| Phenanthrene                    | <0.008                      |
| Anthracene                      | <0.005                      |
| Fluoranthene                    | <0.0075                     |
| Pyrene                          | <0.0075                     |
| Benz(a)anthracene               | <0.01                       |
| Chrysene                        | <0.005                      |
| Bis(2-ethylhexyl) phthalate     | 0.23                        |
| Di-n-octyl phthalate            | <0.2                        |
| Benzo(a)pyrene                  | <0.003 j                    |
| Benzo(b)fluoranthene            | <0.0025 j                   |
| Benzo(k)fluoranthene            | <0.0025 j                   |
| Indeno(1,2,3-cd)pyrene          | <0.0045 j                   |
| Dibenz(a,h)anthracene           | <0.0075                     |
| Benzo(g,h,i)perylene            | <0.0075                     |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E

|                   |            |             |                                   |
|-------------------|------------|-------------|-----------------------------------|
| Client Sample ID: | MW10       | Client:     | Crete Consulting                  |
| Date Received:    | 05/23/25   | Project:    | Maralco Supplemental, F&BI 505418 |
| Date Extracted:   | 05/27/25   | Lab ID:     | 505418-06                         |
| Date Analyzed:    | 05/28/25   | Data File:  | 052811.D                          |
| Matrix:           | Water      | Instrument: | GCMS9                             |
| Units:            | ug/L (ppb) | Operator:   | VM                                |

| Surrogates:          | % Recovery: | Lower Limit: | Upper Limit: |
|----------------------|-------------|--------------|--------------|
| 2-Fluorophenol       | 1 ip        | 10           | 79           |
| Phenol-d6            | 40          | 10           | 104          |
| Nitrobenzene-d5      | 74          | 31           | 129          |
| 2-Fluorobiphenyl     | 79          | 32           | 130          |
| 2,4,6-Tribromophenol | 89          | 22           | 158          |
| Terphenyl-d14        | 92          | 48           | 155          |

| Compounds:                      | Concentration<br>ug/L (ppb) |
|---------------------------------|-----------------------------|
| 3-Methylphenol + 4-Methylphenol | <0.5                        |
| Naphthalene                     | <0.09                       |
| 2-Methylnaphthalene             | <0.015                      |
| 1-Methylnaphthalene             | <0.02                       |
| Acenaphthylene                  | <0.008 j                    |
| Acenaphthene                    | 0.079                       |
| Fluorene                        | <0.008 j                    |
| Phenanthrene                    | <0.016                      |
| Anthracene                      | <0.01                       |
| Fluoranthene                    | <0.015                      |
| Pyrene                          | <0.015                      |
| Benz(a)anthracene               | <0.02                       |
| Chrysene                        | <0.01                       |
| Bis(2-ethylhexyl) phthalate     | 0.52                        |
| Di-n-octyl phthalate            | <0.4                        |
| Benzo(a)pyrene                  | <0.006 j                    |
| Benzo(b)fluoranthene            | <0.005 j                    |
| Benzo(k)fluoranthene            | <0.005 j                    |
| Indeno(1,2,3-cd)pyrene          | <0.009 j                    |
| Dibenz(a,h)anthracene           | <0.015                      |
| Benzo(g,h,i)perylene            | <0.015                      |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E

|                   |            |             |                                   |
|-------------------|------------|-------------|-----------------------------------|
| Client Sample ID: | MW9R       | Client:     | Crete Consulting                  |
| Date Received:    | 05/23/25   | Project:    | Maralco Supplemental, F&BI 505418 |
| Date Extracted:   | 05/27/25   | Lab ID:     | 505418-07 1/0.5                   |
| Date Analyzed:    | 05/28/25   | Data File:  | 052812.D                          |
| Matrix:           | Water      | Instrument: | GCMS9                             |
| Units:            | ug/L (ppb) | Operator:   | VM                                |

| Surrogates:          | % Recovery: | Lower Limit: | Upper Limit: |
|----------------------|-------------|--------------|--------------|
| 2-Fluorophenol       | 34          | 10           | 79           |
| Phenol-d6            | 27          | 10           | 104          |
| Nitrobenzene-d5      | 77          | 31           | 129          |
| 2-Fluorobiphenyl     | 78          | 32           | 130          |
| 2,4,6-Tribromophenol | 96          | 22           | 158          |
| Terphenyl-d14        | 94          | 48           | 155          |

| Compounds:                      | Concentration<br>ug/L (ppb) |
|---------------------------------|-----------------------------|
| 3-Methylphenol + 4-Methylphenol | <0.25                       |
| Naphthalene                     | <0.045                      |
| 2-Methylnaphthalene             | <0.0075                     |
| 1-Methylnaphthalene             | <0.01                       |
| Acenaphthylene                  | <0.004 j                    |
| Acenaphthene                    | <0.004 j                    |
| Fluorene                        | <0.004 j                    |
| Phenanthrene                    | <0.008                      |
| Anthracene                      | <0.005                      |
| Fluoranthene                    | <0.0075                     |
| Pyrene                          | <0.0075                     |
| Benz(a)anthracene               | <0.01                       |
| Chrysene                        | <0.005                      |
| Bis(2-ethylhexyl) phthalate     | 0.27                        |
| Di-n-octyl phthalate            | <0.2                        |
| Benzo(a)pyrene                  | <0.003 j                    |
| Benzo(b)fluoranthene            | <0.0025 j                   |
| Benzo(k)fluoranthene            | <0.0025 j                   |
| Indeno(1,2,3-cd)pyrene          | <0.0045 j                   |
| Dibenz(a,h)anthracene           | <0.0075                     |
| Benzo(g,h,i)perylene            | <0.0075                     |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E

|                   |                |             |                                   |
|-------------------|----------------|-------------|-----------------------------------|
| Client Sample ID: | Method Blank   | Client:     | Crete Consulting                  |
| Date Received:    | Not Applicable | Project:    | Maralco Supplemental, F&BI 505418 |
| Date Extracted:   | 05/27/25       | Lab ID:     | 05-1305 mb 1/0.5                  |
| Date Analyzed:    | 05/27/25       | Data File:  | 052705.D                          |
| Matrix:           | Water          | Instrument: | GCMS12                            |
| Units:            | ug/L (ppb)     | Operator:   | DBA                               |

| Surrogates:          | % Recovery: | Lower Limit: | Upper Limit: |
|----------------------|-------------|--------------|--------------|
| 2-Fluorophenol       | 38          | 11           | 65           |
| Phenol-d6            | 27          | 11           | 65           |
| Nitrobenzene-d5      | 87          | 11           | 173          |
| 2-Fluorobiphenyl     | 82          | 25           | 128          |
| 2,4,6-Tribromophenol | 57 ca       | 10           | 140          |
| Terphenyl-d14        | 79          | 47           | 142          |

| Compounds:                      | Concentration<br>ug/L (ppb) |
|---------------------------------|-----------------------------|
| 3-Methylphenol + 4-Methylphenol | <0.25                       |
| Naphthalene                     | <0.045                      |
| 2-Methylnaphthalene             | <0.0075                     |
| 1-Methylnaphthalene             | <0.01                       |
| Acenaphthylene                  | <0.004 j                    |
| Acenaphthene                    | <0.004 j                    |
| Fluorene                        | <0.004 j                    |
| Phenanthrene                    | <0.008                      |
| Anthracene                      | <0.005                      |
| Fluoranthene                    | <0.0075                     |
| Pyrene                          | <0.0075                     |
| Benz(a)anthracene               | <0.01                       |
| Chrysene                        | <0.005                      |
| Bis(2-ethylhexyl) phthalate     | <0.15 ca j                  |
| Di-n-octyl phthalate            | <0.2 ca                     |
| Benzo(a)pyrene                  | <0.003 j                    |
| Benzo(b)fluoranthene            | <0.0025 j                   |
| Benzo(k)fluoranthene            | <0.0025 j                   |
| Indeno(1,2,3-cd)pyrene          | <0.0045 j                   |
| Dibenz(a,h)anthracene           | <0.0075                     |
| Benzo(g,h,i)perylene            | <0.0075                     |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/10/25

Date Received: 05/23/25

Project: Maralco Supplemental RI MARALCO, F&BI 505418

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER  
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,  
AND XYLENES  
USING EPA METHOD 8021B**

Laboratory Code: 505364-22 (Duplicate)

| Analyte      | Reporting<br>Units | Sample<br>Result | Duplicate<br>Result | RPD<br>(Limit 20) |
|--------------|--------------------|------------------|---------------------|-------------------|
| Benzene      | ug/L (ppb)         | <1               | <1                  | nm                |
| Toluene      | ug/L (ppb)         | <1               | <1                  | nm                |
| Ethylbenzene | ug/L (ppb)         | <1               | <1                  | nm                |
| Xylenes      | ug/L (ppb)         | <3               | <3                  | nm                |

Laboratory Code: Laboratory Control Sample

| Analyte      | Reporting<br>Units | Spike<br>Level | Percent         | Acceptance<br>Criteria |
|--------------|--------------------|----------------|-----------------|------------------------|
|              |                    |                | Recovery<br>LCS |                        |
| Benzene      | ug/L (ppb)         | 50             | 104             | 70-130                 |
| Toluene      | ug/L (ppb)         | 50             | 102             | 70-130                 |
| Ethylbenzene | ug/L (ppb)         | 50             | 104             | 70-130                 |
| Xylenes      | ug/L (ppb)         | 150            | 100             | 70-130                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/10/25

Date Received: 05/23/25

Project: Maralco Supplemental RI MARALCO, F&BI 505418

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER  
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL EXTENDED USING METHOD NWTPH-D<sub>x</sub>**

Laboratory Code: Laboratory Control Sample Silica Gel

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 100                        | 96                          | 65-151                 | 4                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/10/25

Date Received: 05/23/25

Project: Maralco Supplemental RI MARALCO, F&BI 505418

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER  
SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL EXTENDED USING METHOD NWTPH-D<sub>x</sub>**

Laboratory Code: Laboratory Control Sample

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 116                        | 112                         | 72-139                 | 4                 |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 06/10/25

Date Received: 05/23/25

Project: Maralco Supplemental RI MARALCO, F&BI 505418

### QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

| Analyte                         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|---------------------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| 3-Methylphenol + 4-Methylphenol | ug/L (ppb)         | 10             | 69                         | 65                          | 11-88                  | 6                 |
| Naphthalene                     | ug/L (ppb)         | 10             | 73                         | 72                          | 50-105                 | 1                 |
| 2-Methylnaphthalene             | ug/L (ppb)         | 10             | 72                         | 71                          | 52-113                 | 1                 |
| 1-Methylnaphthalene             | ug/L (ppb)         | 10             | 72                         | 72                          | 51-115                 | 0                 |
| Acenaphthylene                  | ug/L (ppb)         | 10             | 83                         | 83                          | 60-114                 | 0                 |
| Acenaphthene                    | ug/L (ppb)         | 10             | 77                         | 79                          | 57-110                 | 3                 |
| Fluorene                        | ug/L (ppb)         | 10             | 85                         | 85                          | 61-115                 | 0                 |
| Phenanthrene                    | ug/L (ppb)         | 10             | 83                         | 82                          | 69-115                 | 1                 |
| Anthracene                      | ug/L (ppb)         | 10             | 87                         | 86                          | 65-121                 | 1                 |
| Fluoranthene                    | ug/L (ppb)         | 10             | 92                         | 89                          | 71-127                 | 3                 |
| Pyrene                          | ug/L (ppb)         | 10             | 95                         | 92                          | 62-133                 | 3                 |
| Benz(a)anthracene               | ug/L (ppb)         | 10             | 90                         | 89                          | 66-131                 | 1                 |
| Chrysene                        | ug/L (ppb)         | 10             | 85                         | 85                          | 66-129                 | 0                 |
| Bis(2-ethylhexyl) phthalate     | ug/L (ppb)         | 10             | 99                         | 99                          | 52-142                 | 0                 |
| Di-n-octyl phthalate            | ug/L (ppb)         | 10             | 92                         | 92                          | 36-151                 | 0                 |
| Benzo(a)pyrene                  | ug/L (ppb)         | 10             | 90                         | 90                          | 66-129                 | 0                 |
| Benzo(b)fluoranthene            | ug/L (ppb)         | 10             | 94                         | 93                          | 55-144                 | 1                 |
| Benzo(k)fluoranthene            | ug/L (ppb)         | 10             | 96                         | 94                          | 58-139                 | 2                 |
| Indeno(1,2,3-cd)pyrene          | ug/L (ppb)         | 10             | 67                         | 74                          | 62-136                 | 10                |
| Dibenz(a,h)anthracene           | ug/L (ppb)         | 10             | 64                         | 74                          | 55-146                 | 14                |
| Benzo(g,h,i)perylene            | ug/L (ppb)         | 10             | 66                         | 74                          | 58-137                 | 11                |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### **Data Qualifiers & Definitions**

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

505418

## SAMPLE CHAIN OF CUSTODY

05/23/25 F4/vw2/K3

Page # 1 of 2

Report To Jones/Spencer/HalversonCompany CRETE Consulting

Address \_\_\_\_\_

City, State, ZIP \_\_\_\_\_

Phone 832.330.1359 Email \_\_\_\_\_SAMPLERS (signature) Rusty JonesPROJECT NAME MARALCO

PO # \_\_\_\_\_

Remarks Supplemental R.I.INVOICE TO MARALCO

REMARKS For EPH/TPH, report target analytes and all results to MDS where possible. Project specific RIs? - Yes / No

INVOICE TO CRETETURNAROUND TIME  
☒ Standard turnaround  
☐ RUSH  
Rush charges authorized by: \_\_\_\_\_SAMPLE DISPOSAL  
☐ Archive samples  
☐ Other \_\_\_\_\_  
Default: Dispose after 30 days

## ANALYSES REQUESTED

| Sample ID                 | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | Anions/FI/CI | PAHs/CPAHs | Project SVOCs | TPH+EPH | Notes |                                                                          |
|---------------------------|--------|--------------|--------------|-------------|-----------|----------|----------|---------------|------------|---------------|---------------|---------------|--------------|------------|---------------|---------|-------|--------------------------------------------------------------------------|
| MW5R2                     | 01A-B  | 5/20/2025    | 1030         | GRAB WATER  | 2         | X        |          |               |            |               |               |               | X            |            |               |         | *     | See 5/23/2025 email for Project SVOCs. *All TPH-Dx with and without SCLs |
| MW3R                      | 02     |              | 1122         |             | 1         |          |          |               |            |               |               |               | X            |            |               |         |       |                                                                          |
| MW8R                      | 03     |              | 1212         |             | 1         |          |          |               |            |               |               |               | X            |            |               |         |       |                                                                          |
| MW1                       | 04     |              | 1307         |             | 1         |          |          |               |            |               |               |               | X            |            |               |         |       |                                                                          |
| MW4R                      | 05 A-D |              | 1404         |             | 4         | X        |          |               |            |               |               |               | X            |            |               |         | *     |                                                                          |
| MW10                      | 06 A-F | 5/21/2025    | 0920         | GRAB WATER  | 6         | X        |          |               |            |               |               |               | X            |            | X             | X       |       | + Target analytes Report to MDS if possible                              |
| MW9R                      | 07 A-J |              | 1020         |             | 10        | X        |          | X             |            |               |               |               | X            |            |               | X       |       |                                                                          |
| MW2                       | 08     |              | 1130         |             | 1         |          |          |               |            |               |               |               | X            |            |               |         |       |                                                                          |
| MW11                      | 09 A-B |              | 1218         |             | 2         |          |          |               |            |               |               |               | X            |            |               |         |       |                                                                          |
| <del>DUP08</del> DUF-0525 | 10 A-C | 5/22/2025    | 0001         | GRAB WATER  | 3         | X        |          |               |            |               |               |               | X            |            |               |         | *     |                                                                          |

Friedman & Bruya, Inc.  
Ph. (206) 285-8282

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: R. JonesRelinquished by: Rusty JonesRelinquished by: CRETERelinquished by: 5/23/25 12:09Received by: muReceived by: Amh PhamReceived by: FBIReceived by: 5/23/25 18:09

Received by: \_\_\_\_\_

Received by: Samples received at 2:00

505418

## SAMPLE CHAIN OF CUSTODY

05/28/25 Fri 05/28/25

Page # 2 of 2

Report To Jones Stevens HainsworthCompany CRE Consulting

Address \_\_\_\_\_

City, State, ZIP \_\_\_\_\_

Phone 832.330.1359 Email \_\_\_\_\_SAMPLERS (signature) Rusty JonesPROJECT NAME Muralco Supplemental P.I.PO # P. JonesREMARKS For ETL/WT, report target analytes and all file results to M&A where possibleINVOICE TO M&A

Project specific RLS: Yes / No

CRE

TURNAROUND TIME

☒ Standard turnaround  
☐ RUSH

Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL

☐ Archive samples☐ Other \_\_\_\_\_

Default: Dispose after 30 days

## ANALYSES REQUESTED

|           |        |              |              |             |           | ANALYSES REQUESTED |          |               |            |               |               |               |            |           |               |         |       |                                        |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|----------|---------------|------------|---------------|---------------|---------------|------------|-----------|---------------|---------|-------|----------------------------------------|
| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of Jars | NWTPH-Dx           | NWTPH-Gx | BTEX EPA 8021 | NWTPH-HCID | VOCs EPA 8260 | PAHs EPA 8270 | PCBs EPA 8082 | Amion/CF/H | PAHs/EPHs | Project SVOCs | VPH+EPH | Notes |                                        |
| MW6R      | 11 A-B | 5/22/2025    | 1007         | GRAB WATER  | 2         | X                  |          |               |            |               |               |               | X          |           |               |         | *     | * Kill TPT-Dx is with and w/out S&C, * |
| MW12      | 18     |              | 1102         |             | 1         |                    |          |               |            |               |               |               | X          |           |               |         |       |                                        |
| MW7       | 13 A-C |              | 1203         |             | 3         | X                  |          |               |            |               |               |               | X          |           |               |         |       | *                                      |
| MW13      | 14 A-B | 5/23/2025    | 0931         | GRAB WATER  | 2         |                    |          |               |            |               |               |               | X          |           |               |         |       |                                        |
| MW14      | 15 ↓   |              | 1018         |             | 2         |                    |          |               |            |               |               |               | X          |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |
|           |        |              |              |             |           |                    |          |               |            |               |               |               |            |           |               |         |       |                                        |

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Friedman &amp; Bruya, Inc.

Ph. (206) 285-8282

Relinquished by:

Received by:

Relinquished by:

Received by:

F. JonesRusty JonesCRE5/23/202512:09WAna PhanFB ISamples received at 20°C

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 505418 CLIENT Crete INITIALS/ AP  
DATE: 5/23/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 0 °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/ AP  
\*or other representative documents, letters, and/or shipping memos Date: 5/23/25

Number of days samples have been sitting prior to receipt at laboratory 0-3 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☒ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                               |                                           |
|--------------------|---------------------------------------------------------------|-------------------------------------------|
| Sample ID's        | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Date Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Relinquished       | <input type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Requested analysis | <input type="checkbox"/> Yes <input type="checkbox"/> On Hold |                                           |

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\* \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

\*\*Fill out Green manifolds billing sheet



3600 Fremont Ave N  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Friedman & Bruya**  
Michael Erdahl  
5500 4th Ave S  
Seattle, WA 98108

**RE: 505418,**  
**Work Order Number: 2505536**

June 09, 2025

**Attention Michael Erdahl:**

Alliance Technical Group, LLC - Seattle received 15 sample(s) on 5/23/2025 for the analyses presented in the following report.

***Extractable Petroleum Hydrocarbons by NWEPH***  
***Ion Chromatography by EPA 300.0***  
***Volatile Petroleum Hydrocarbons by NWVPH***

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

A handwritten signature in blue ink that reads "Kelley Lovejoy". The signature is written in a cursive, flowing style.

Kelley Lovejoy  
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing  
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing  
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original



[www.fremontanalytical.com](http://www.fremontanalytical.com)

**CLIENT:** Friedman & Bruya  
**Project:** 505418  
**Work Order:** 2505536

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Date/Time Collected | Date/Time Received |
|---------------|------------------|---------------------|--------------------|
| 2505536-001   | MW5R2            | 05/20/2025 10:30 AM | 05/23/2025 2:12 PM |
| 2505536-002   | MW3R             | 05/20/2025 11:22 AM | 05/23/2025 2:12 PM |
| 2505536-003   | MW8R             | 05/20/2025 12:12 PM | 05/23/2025 2:12 PM |
| 2505536-004   | MW1              | 05/20/2025 1:07 PM  | 05/23/2025 2:12 PM |
| 2505536-005   | MW4R             | 05/20/2025 2:04 PM  | 05/23/2025 2:12 PM |
| 2505536-006   | MW10             | 05/21/2025 9:20 AM  | 05/23/2025 2:12 PM |
| 2505536-007   | MW9R             | 05/21/2025 10:20 AM | 05/23/2025 2:12 PM |
| 2505536-008   | MW2              | 05/21/2025 11:30 AM | 05/23/2025 2:12 PM |
| 2505536-009   | MW11             | 05/21/2025 12:18 PM | 05/23/2025 2:12 PM |
| 2505536-010   | DUP-0525         | 05/22/2025 12:01 AM | 05/23/2025 2:12 PM |
| 2505536-011   | MW-6R            | 05/22/2025 10:07 AM | 05/23/2025 2:12 PM |
| 2505536-012   | MW-12            | 05/22/2025 11:02 AM | 05/23/2025 2:12 PM |
| 2505536-013   | MW7              | 05/22/2025 12:03 PM | 05/23/2025 2:12 PM |
| 2505536-014   | MW13             | 05/23/2025 9:31 AM  | 05/23/2025 2:12 PM |
| 2505536-015   | MW14             | 05/23/2025 10:18 AM | 05/23/2025 2:12 PM |

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

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**CLIENT:** Friedman & Bruya

**Project:** 505418

---

**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Please note: Volatile Petroleum Hydrocarbons by NWVPH samples were re-analyzed out of hold due to initial CCV failures. The re-analysis produced similar results for target analytes.

### Qualifiers:

- \* - Associated LCS is outside of control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Method Detection Limit
- R - High relative percent difference observed

### Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



## Analytical Report

Work Order: 2505536

Date Reported: 6/9/2025

Client: Friedman & Bruya

Project: 505418

Lab ID: 2505536-001

Client Sample ID: MW5R2

Collection Date: 5/20/2025 10:30:00 AM

Matrix: Water

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

**Ion Chromatography by EPA 300.0**

Batch ID: 47930

Analyst: SS

|          |       |      |      |    |      |     |                   |
|----------|-------|------|------|----|------|-----|-------------------|
| Fluoride | 10.1  | 5.00 | 1.44 | DQ | mg/L | 50  | 06/02/25 11:07:00 |
| Chloride | 1,090 | 80.0 | 25.3 | D  | mg/L | 400 | 06/02/25 18:20:00 |

**NOTES:**

Q - Associated calibration verification is below acceptance criteria (83.8%, nominal 90-110). Result may be low-biased.

Client: Friedman & Bruya

Project: 505418

Lab ID: 2505536-002

Client Sample ID: MW3R

Collection Date: 5/20/2025 11:22:00 AM

Matrix: Water

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

**Ion Chromatography by EPA 300.0**

Batch ID: 47930

Analyst: SS

|          |      |      |       |    |      |    |                   |
|----------|------|------|-------|----|------|----|-------------------|
| Fluoride | 46.6 | 2.00 | 0.577 | DQ | mg/L | 20 | 06/02/25 11:30:00 |
| Chloride | 115  | 4.00 | 1.26  | D  | mg/L | 20 | 06/02/25 11:30:00 |

**NOTES:**

Q - Associated calibration verification is below acceptance criteria (83.8%, nominal 90-110). Result may be low-biased.

Client: Friedman & Bruya

Project: 505418

Lab ID: 2505536-003

Client Sample ID: MW8R

Collection Date: 5/20/2025 12:12:00 PM

Matrix: Water

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

**Ion Chromatography by EPA 300.0**

Batch ID: 47930

Analyst: SS

|          |       |       |        |   |      |    |                   |
|----------|-------|-------|--------|---|------|----|-------------------|
| Fluoride | 0.381 | 0.100 | 0.0288 |   | mg/L | 1  | 06/01/25 6:46:00  |
| Chloride | 30.9  | 2.00  | 0.631  | D | mg/L | 10 | 06/02/25 11:53:00 |



## Analytical Report

Work Order: 2505536  
Date Reported: 6/9/2025

**Client:** Friedman & Bruya

**Project:** 505418

**Lab ID:** 2505536-004

**Client Sample ID:** MW1

**Collection Date:** 5/20/2025 1:07:00 PM

**Matrix:** Water

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

**Ion Chromatography by EPA 300.0**

Batch ID: 47930

Analyst: SS

|          |        |       |        |   |      |    |                   |
|----------|--------|-------|--------|---|------|----|-------------------|
| Fluoride | 0.0980 | 0.100 | 0.0288 | J | mg/L | 1  | 06/01/25 7:09:00  |
| Chloride | 11.8   | 2.00  | 0.631  | D | mg/L | 10 | 06/02/25 12:16:00 |

**Client:** Friedman & Bruya

**Project:** 505418

**Lab ID:** 2505536-005

**Client Sample ID:** MW4R

**Collection Date:** 5/20/2025 2:04:00 PM

**Matrix:** Water

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

**Ion Chromatography by EPA 300.0**

Batch ID: 47930

Analyst: SS

|          |       |       |        |   |      |     |                   |
|----------|-------|-------|--------|---|------|-----|-------------------|
| Fluoride | 0.856 | 0.100 | 0.0288 |   | mg/L | 1   | 06/01/25 7:32:00  |
| Chloride | 396   | 20.0  | 6.31   | D | mg/L | 100 | 06/02/25 12:39:00 |

## Analytical Report

Work Order: **2505536**  
Date Reported: **6/9/2025**

**Client:** Friedman & Bruya  
**Project:** 505418  
**Lab ID:** 2505536-006  
**Client Sample ID:** MW10

**Collection Date:** 5/21/2025 9:20:00 AM

**Matrix:** Water

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

### Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 47852

Analyst: ZD

|                                 |      |          |      |   |      |   |                   |
|---------------------------------|------|----------|------|---|------|---|-------------------|
| Aliphatic Hydrocarbon (C8-C10)  | 46.9 | 79.4     | 39.3 | J | µg/L | 1 | 06/05/25 17:30:04 |
| Aliphatic Hydrocarbon (C10-C12) | ND   | 39.7     | 20.5 |   | µg/L | 1 | 06/05/25 17:30:04 |
| Aliphatic Hydrocarbon (C12-C16) | ND   | 39.7     | 9.78 |   | µg/L | 1 | 06/05/25 17:30:04 |
| Aliphatic Hydrocarbon (C16-C21) | ND   | 39.7     | 14.2 |   | µg/L | 1 | 06/05/25 17:30:04 |
| Aliphatic Hydrocarbon (C21-C34) | ND   | 39.7     | 22.4 |   | µg/L | 1 | 06/05/25 17:30:04 |
| Aromatic Hydrocarbon (C8-C10)   | 128  | 79.4     | 25.9 |   | µg/L | 1 | 06/06/25 15:21:15 |
| Aromatic Hydrocarbon (C10-C12)  | ND   | 39.7     | 8.84 |   | µg/L | 1 | 06/06/25 15:21:15 |
| Aromatic Hydrocarbon (C12-C16)  | 18.3 | 39.7     | 6.93 | J | µg/L | 1 | 06/06/25 15:21:15 |
| Aromatic Hydrocarbon (C16-C21)  | 29.5 | 39.7     | 12.7 | J | µg/L | 1 | 06/05/25 18:58:00 |
| Aromatic Hydrocarbon (C21-C34)  | ND   | 39.7     | 26.4 |   | µg/L | 1 | 06/05/25 18:58:00 |
| Surr: 1-Chlorooctadecane        | 37.0 | 50 - 150 |      | S | %Rec | 1 | 06/05/25 17:30:04 |
| Surr: o-Terphenyl               | 50.6 | 50 - 150 |      |   | %Rec | 1 | 06/06/25 15:21:15 |

#### NOTES:

S - Outlying surrogate recovery observed.

### Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 47885

Analyst: SG

|                                 |      |      |      |   |      |   |                   |
|---------------------------------|------|------|------|---|------|---|-------------------|
| Hexane                          | ND   | 20.0 | 9.94 | H | µg/L | 1 | 06/05/25 1:50:02  |
| Aliphatic Hydrocarbon (C5-C6)   | ND   | 50.0 | 21.2 |   | µg/L | 1 | 05/28/25 17:41:00 |
| Aliphatic Hydrocarbon (C6-C8)   | 673  | 50.0 | 26.8 |   | µg/L | 1 | 05/28/25 17:41:00 |
| Aliphatic Hydrocarbon (C8-C10)  | 37.5 | 50.0 | 14.2 | J | µg/L | 1 | 05/28/25 17:41:00 |
| Aliphatic Hydrocarbon (C10-C12) | ND   | 40.0 | 10.3 |   | µg/L | 1 | 05/28/25 17:41:00 |
| Aromatic Hydrocarbon (C8-C10)   | ND   | 60.0 | 29.9 |   | µg/L | 1 | 05/28/25 17:41:00 |
| Aromatic Hydrocarbon (C10-C12)  | ND   | 50.0 | 2.13 |   | µg/L | 1 | 05/28/25 17:41:00 |
| Aromatic Hydrocarbon (C12-C13)  | ND   | 50.0 | 7.40 |   | µg/L | 1 | 05/28/25 17:41:00 |
| Benzene                         | ND   | 10.0 | 4.08 | H | µg/L | 1 | 06/05/25 1:50:02  |
| Toluene                         | ND   | 10.0 | 2.22 | H | µg/L | 1 | 06/05/25 1:50:02  |
| Ethylbenzene                    | ND   | 10.0 | 3.80 | H | µg/L | 1 | 06/05/25 1:50:02  |
| m,p-Xylene                      | ND   | 20.0 | 6.26 | H | µg/L | 1 | 06/05/25 1:50:02  |
| o-Xylene                        | ND   | 10.0 | 2.62 | H | µg/L | 1 | 06/05/25 1:50:02  |
| Naphthalene                     | ND   | 10.0 | 12.2 | H | µg/L | 1 | 06/05/25 1:50:02  |

Original



## Analytical Report

Work Order: **2505536**  
Date Reported: **6/9/2025**

### Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 47885      Analyst: SG

|                                |      |          |       |   |      |   |                   |
|--------------------------------|------|----------|-------|---|------|---|-------------------|
| Methyl tert-butyl ether (MTBE) | ND   | 10.0     | 0.661 | H | µg/L | 1 | 06/05/25 1:50:02  |
| Surr: 2,5-dibromotoluene       | 60.1 | 60 - 140 |       |   | %Rec | 1 | 05/28/25 17:41:00 |

### Ion Chromatography by EPA 300.0

Batch ID: 47930      Analyst: SS

|          |       |       |        |   |      |     |                   |
|----------|-------|-------|--------|---|------|-----|-------------------|
| Fluoride | 0.175 | 0.100 | 0.0288 |   | mg/L | 1   | 06/01/25 7:55:00  |
| Chloride | 344   | 20.0  | 6.31   | D | mg/L | 100 | 06/02/25 13:02:00 |

## Analytical Report

Work Order: **2505536**  
Date Reported: **6/9/2025**

**Client:** Friedman & Bruya  
**Project:** 505418  
**Lab ID:** 2505536-007  
**Client Sample ID:** MW9R

**Collection Date:** 5/21/2025 10:20:00 AM

**Matrix:** Water

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

### Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 47852

Analyst: ZD

|                                 |      |          |      |   |      |   |                   |
|---------------------------------|------|----------|------|---|------|---|-------------------|
| Aliphatic Hydrocarbon (C8-C10)  | 49.3 | 79.1     | 39.2 | J | µg/L | 1 | 06/05/25 17:52:07 |
| Aliphatic Hydrocarbon (C10-C12) | ND   | 39.6     | 20.4 |   | µg/L | 1 | 06/05/25 17:52:07 |
| Aliphatic Hydrocarbon (C12-C16) | ND   | 39.6     | 9.75 |   | µg/L | 1 | 06/05/25 17:52:07 |
| Aliphatic Hydrocarbon (C16-C21) | ND   | 39.6     | 14.1 |   | µg/L | 1 | 06/05/25 17:52:07 |
| Aliphatic Hydrocarbon (C21-C34) | ND   | 39.6     | 22.3 |   | µg/L | 1 | 06/05/25 17:52:07 |
| Aromatic Hydrocarbon (C8-C10)   | 111  | 79.1     | 25.8 |   | µg/L | 1 | 06/05/25 19:19:55 |
| Aromatic Hydrocarbon (C10-C12)  | ND   | 39.6     | 8.81 |   | µg/L | 1 | 06/05/25 19:19:55 |
| Aromatic Hydrocarbon (C12-C16)  | 12.5 | 39.6     | 6.91 | J | µg/L | 1 | 06/05/25 19:19:55 |
| Aromatic Hydrocarbon (C16-C21)  | 53.1 | 39.6     | 12.6 |   | µg/L | 1 | 06/05/25 19:19:55 |
| Aromatic Hydrocarbon (C21-C34)  | 27.2 | 39.6     | 26.3 | J | µg/L | 1 | 06/05/25 19:19:55 |
| Surr: 1-Chlorooctadecane        | 56.1 | 50 - 150 |      |   | %Rec | 1 | 06/05/25 17:52:07 |
| Surr: o-Terphenyl               | 66.4 | 50 - 150 |      |   | %Rec | 1 | 06/05/25 19:19:55 |

### Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 47885

Analyst: SG

|                                 |      |      |       |   |      |   |                   |
|---------------------------------|------|------|-------|---|------|---|-------------------|
| Hexane                          | ND   | 20.0 | 9.94  | H | µg/L | 1 | 06/05/25 2:26:10  |
| Aliphatic Hydrocarbon (C5-C6)   | ND   | 50.0 | 21.2  |   | µg/L | 1 | 05/28/25 18:54:00 |
| Aliphatic Hydrocarbon (C6-C8)   | ND   | 50.0 | 26.8  |   | µg/L | 1 | 05/28/25 18:54:00 |
| Aliphatic Hydrocarbon (C8-C10)  | ND   | 50.0 | 14.2  |   | µg/L | 1 | 05/28/25 18:54:00 |
| Aliphatic Hydrocarbon (C10-C12) | ND   | 40.0 | 10.3  |   | µg/L | 1 | 05/28/25 18:54:00 |
| Aromatic Hydrocarbon (C8-C10)   | ND   | 60.0 | 29.9  |   | µg/L | 1 | 05/28/25 18:54:00 |
| Aromatic Hydrocarbon (C10-C12)  | 11.4 | 50.0 | 2.13  | J | µg/L | 1 | 05/28/25 18:54:00 |
| Aromatic Hydrocarbon (C12-C13)  | ND   | 50.0 | 7.40  |   | µg/L | 1 | 05/28/25 18:54:00 |
| Benzene                         | ND   | 10.0 | 4.08  | H | µg/L | 1 | 06/05/25 2:26:10  |
| Toluene                         | ND   | 10.0 | 2.22  | H | µg/L | 1 | 06/05/25 2:26:10  |
| Ethylbenzene                    | ND   | 10.0 | 3.80  | H | µg/L | 1 | 06/05/25 2:26:10  |
| m,p-Xylene                      | ND   | 20.0 | 6.26  | H | µg/L | 1 | 06/05/25 2:26:10  |
| o-Xylene                        | ND   | 10.0 | 2.62  | H | µg/L | 1 | 06/05/25 2:26:10  |
| Naphthalene                     | ND   | 10.0 | 12.2  | H | µg/L | 1 | 06/05/25 2:26:10  |
| Methyl tert-butyl ether (MTBE)  | ND   | 10.0 | 0.661 | H | µg/L | 1 | 06/05/25 2:26:10  |



## Analytical Report

Work Order: **2505536**  
Date Reported: **6/9/2025**

### Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 47885 Analyst: SG

Surr: 2,5-dibromotoluene 67.4 60 - 140 %Rec 1 05/28/25 18:54:00

### Ion Chromatography by EPA 300.0

Batch ID: 47930 Analyst: SS

|          |       |       |        |        |     |                   |
|----------|-------|-------|--------|--------|-----|-------------------|
| Fluoride | 0.452 | 0.100 | 0.0288 | mg/L   | 1   | 06/01/25 8:18:00  |
| Chloride | 659   | 40.0  | 12.6   | D mg/L | 200 | 06/02/25 18:43:00 |

**Client:** Friedman & Bruya

**Collection Date:** 5/21/2025 11:30:00 AM

**Project:** 505418

**Lab ID:** 2505536-008

**Matrix:** Water

**Client Sample ID:** MW2

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

### Ion Chromatography by EPA 300.0

Batch ID: 47930 Analyst: SS

|          |       |       |        |        |    |                   |
|----------|-------|-------|--------|--------|----|-------------------|
| Fluoride | 0.168 | 0.100 | 0.0288 | mg/L   | 1  | 06/01/25 8:41:00  |
| Chloride | 15.9  | 2.00  | 0.631  | D mg/L | 10 | 06/02/25 13:48:00 |

**Client:** Friedman & Bruya

**Collection Date:** 5/21/2025 12:18:00 PM

**Project:** 505418

**Lab ID:** 2505536-009

**Matrix:** Water

**Client Sample ID:** MW11

| Analyses | Result | RL | MDL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|-----|------|-------|----|---------------|
|----------|--------|----|-----|------|-------|----|---------------|

### Ion Chromatography by EPA 300.0

Batch ID: 47930 Analyst: SS

|          |       |       |        |        |    |                   |
|----------|-------|-------|--------|--------|----|-------------------|
| Fluoride | 0.123 | 0.100 | 0.0288 | mg/L   | 1  | 06/01/25 9:04:00  |
| Chloride | 15.7  | 2.00  | 0.631  | D mg/L | 10 | 06/02/25 14:12:00 |



## Analytical Report

Work Order: 2505536  
Date Reported: 6/9/2025

Client: Friedman & Bruya  
Project: 505418  
Lab ID: 2505536-010  
Client Sample ID: DUP-0525

Collection Date: 5/22/2025 12:01:00 AM

Matrix: Water

| Analyses                               | Result | RL    | MDL             | Qual | Units | DF          | Date Analyzed     |
|----------------------------------------|--------|-------|-----------------|------|-------|-------------|-------------------|
| <u>Ion Chromatography by EPA 300.0</u> |        |       | Batch ID: 47930 |      |       | Analyst: SS |                   |
| Fluoride                               | 0.908  | 0.100 | 0.0288          |      | mg/L  | 1           | 06/01/25 9:27:00  |
| Chloride                               | 71.9   | 4.00  | 1.26            | D    | mg/L  | 20          | 06/02/25 14:35:00 |

Client: Friedman & Bruya  
Project: 505418  
Lab ID: 2505536-011  
Client Sample ID: MW-6R

Collection Date: 5/22/2025 10:07:00 AM

Matrix: Water

| Analyses                               | Result | RL    | MDL             | Qual | Units | DF          | Date Analyzed     |
|----------------------------------------|--------|-------|-----------------|------|-------|-------------|-------------------|
| <u>Ion Chromatography by EPA 300.0</u> |        |       | Batch ID: 47930 |      |       | Analyst: SS |                   |
| Fluoride                               | 0.340  | 0.100 | 0.0288          |      | mg/L  | 1           | 06/01/25 10:37:00 |
| Chloride                               | 691    | 40.0  | 12.6            | D    | mg/L  | 200         | 06/02/25 19:06:00 |

Client: Friedman & Bruya  
Project: 505418  
Lab ID: 2505536-012  
Client Sample ID: MW-12

Collection Date: 5/22/2025 11:02:00 AM

Matrix: Water

| Analyses                               | Result | RL    | MDL             | Qual | Units | DF          | Date Analyzed     |
|----------------------------------------|--------|-------|-----------------|------|-------|-------------|-------------------|
| <u>Ion Chromatography by EPA 300.0</u> |        |       | Batch ID: 47930 |      |       | Analyst: SS |                   |
| Fluoride                               | 0.338  | 0.100 | 0.0288          |      | mg/L  | 1           | 06/01/25 11:00:00 |
| Chloride                               | 213    | 20.0  | 6.31            | D    | mg/L  | 100         | 06/02/25 16:07:00 |



## Analytical Report

Work Order: 2505536

Date Reported: 6/9/2025

Client: Friedman & Bruya

Collection Date: 5/22/2025 12:03:00 PM

Project: 505418

Lab ID: 2505536-013

Matrix: Water

Client Sample ID: MW7

| Analyses                               | Result | RL    | MDL             | Qual | Units | DF          | Date Analyzed     |
|----------------------------------------|--------|-------|-----------------|------|-------|-------------|-------------------|
| <u>Ion Chromatography by EPA 300.0</u> |        |       | Batch ID: 47930 |      |       | Analyst: SS |                   |
| Fluoride                               | 0.930  | 0.100 | 0.0288          |      | mg/L  | 1           | 06/01/25 11:23:00 |
| Chloride                               | 72.4   | 4.00  | 1.26            | D    | mg/L  | 20          | 06/02/25 16:30:00 |

Client: Friedman & Bruya

Collection Date: 5/23/2025 9:31:00 AM

Project: 505418

Lab ID: 2505536-014

Matrix: Water

Client Sample ID: MW13

| Analyses                               | Result | RL    | MDL             | Qual | Units | DF          | Date Analyzed     |
|----------------------------------------|--------|-------|-----------------|------|-------|-------------|-------------------|
| <u>Ion Chromatography by EPA 300.0</u> |        |       | Batch ID: 47930 |      |       | Analyst: SS |                   |
| Fluoride                               | 0.120  | 0.100 | 0.0288          |      | mg/L  | 1           | 06/01/25 11:46:00 |
| Chloride                               | 2.46   | 0.200 | 0.0631          |      | mg/L  | 1           | 06/01/25 11:46:00 |

Client: Friedman & Bruya

Collection Date: 5/23/2025 10:18:00 AM

Project: 505418

Lab ID: 2505536-015

Matrix: Water

Client Sample ID: MW14

| Analyses                               | Result | RL    | MDL             | Qual | Units | DF          | Date Analyzed     |
|----------------------------------------|--------|-------|-----------------|------|-------|-------------|-------------------|
| <u>Ion Chromatography by EPA 300.0</u> |        |       | Batch ID: 47930 |      |       | Analyst: SS |                   |
| Fluoride                               | 0.119  | 0.100 | 0.0288          |      | mg/L  | 1           | 06/01/25 12:09:00 |
| Chloride                               | 4.63   | 0.200 | 0.0631          |      | mg/L  | 1           | 06/01/25 12:09:00 |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                            |        |                        |           |             |                                |          |                             |             |      |                       |      |  |
|----------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|-----------------------------|-------------|------|-----------------------|------|--|
| Sample ID: <b>MB-47930</b> |        | SampType: <b>MBLK</b>  |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>5/31/2025</b> |             |      | RunNo: <b>100245</b>  |      |  |
| Client ID: <b>MBLKW</b>    |        | Batch ID: <b>47930</b> |           |             | Analysis Date: <b>6/1/2025</b> |          |                             |             |      | SeqNo: <b>2088709</b> |      |  |
| Analyte                    | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                   | RPD Ref Val | %RPD | RPDLimit              | Qual |  |

|          |    |       |  |  |  |  |  |  |  |  |  |
|----------|----|-------|--|--|--|--|--|--|--|--|--|
| Fluoride | ND | 0.100 |  |  |  |  |  |  |  |  |  |
| Chloride | ND | 0.200 |  |  |  |  |  |  |  |  |  |

|                             |        |                        |           |             |                                |          |                             |             |      |                       |      |  |
|-----------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|-----------------------------|-------------|------|-----------------------|------|--|
| Sample ID: <b>LCS-47930</b> |        | SampType: <b>LCS</b>   |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>5/31/2025</b> |             |      | RunNo: <b>100245</b>  |      |  |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>47930</b> |           |             | Analysis Date: <b>6/1/2025</b> |          |                             |             |      | SeqNo: <b>2088710</b> |      |  |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                   | RPD Ref Val | %RPD | RPDLimit              | Qual |  |

|          |       |       |        |   |      |    |     |  |  |  |  |
|----------|-------|-------|--------|---|------|----|-----|--|--|--|--|
| Fluoride | 0.466 | 0.100 | 0.5000 | 0 | 93.2 | 90 | 110 |  |  |  |  |
| Chloride | 0.708 | 0.200 | 0.7500 | 0 | 94.4 | 90 | 110 |  |  |  |  |

|                                   |        |                        |           |             |                                |          |                             |             |      |                       |      |  |
|-----------------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|-----------------------------|-------------|------|-----------------------|------|--|
| Sample ID: <b>2505639-001CDUP</b> |        | SampType: <b>DUP</b>   |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>5/31/2025</b> |             |      | RunNo: <b>100245</b>  |      |  |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47930</b> |           |             | Analysis Date: <b>6/1/2025</b> |          |                             |             |      | SeqNo: <b>2088720</b> |      |  |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                   | RPD Ref Val | %RPD | RPDLimit              | Qual |  |

|          |        |       |  |  |  |  |  |         |      |    |   |
|----------|--------|-------|--|--|--|--|--|---------|------|----|---|
| Fluoride | 0.0830 | 0.100 |  |  |  |  |  | 0.08400 | 1.20 | 20 | J |
| Chloride | 3.59   | 0.200 |  |  |  |  |  | 3.540   | 1.35 | 20 |   |

|                                  |        |                        |           |             |                                |          |                             |             |                       |                      |      |  |
|----------------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|-----------------------------|-------------|-----------------------|----------------------|------|--|
| Sample ID: <b>2505639-001CMS</b> |        | SampType: <b>MS</b>    |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>5/31/2025</b> |             |                       | RunNo: <b>100245</b> |      |  |
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47930</b> |           |             | Analysis Date: <b>6/1/2025</b> |          |                             |             | SeqNo: <b>2088721</b> |                      |      |  |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit             | Qual |  |

|          |       |       |        |         |      |    |     |  |  |  |  |
|----------|-------|-------|--------|---------|------|----|-----|--|--|--|--|
| Fluoride | 0.543 | 0.100 | 0.5000 | 0.08400 | 91.8 | 80 | 120 |  |  |  |  |
| Chloride | 4.29  | 0.200 | 0.7500 | 3.540   | 99.9 | 80 | 120 |  |  |  |  |

|                                   |        |                        |           |             |                                |          |                             |             |      |                       |      |  |
|-----------------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|-----------------------------|-------------|------|-----------------------|------|--|
| Sample ID: <b>2505639-001CMSD</b> |        | SampType: <b>MSD</b>   |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>5/31/2025</b> |             |      | RunNo: <b>100245</b>  |      |  |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47930</b> |           |             | Analysis Date: <b>6/1/2025</b> |          |                             |             |      | SeqNo: <b>2088722</b> |      |  |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                   | RPD Ref Val | %RPD | RPDLimit              | Qual |  |

|          |       |       |        |         |      |    |     |        |       |    |  |
|----------|-------|-------|--------|---------|------|----|-----|--------|-------|----|--|
| Fluoride | 0.547 | 0.100 | 0.5000 | 0.08400 | 92.6 | 80 | 120 | 0.5430 | 0.734 | 20 |  |
| Chloride | 4.30  | 0.200 | 0.7500 | 3.540   | 102  | 80 | 120 | 4.289  | 0.326 | 20 |  |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                                   |        |                        |           |             |                                |          |                             |             |      |                       |      |  |
|-----------------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|-----------------------------|-------------|------|-----------------------|------|--|
| Sample ID: <b>2505639-001CMSD</b> |        | SampType: <b>MSD</b>   |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>5/31/2025</b> |             |      | RunNo: <b>100245</b>  |      |  |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47930</b> |           |             | Analysis Date: <b>6/1/2025</b> |          |                             |             |      | SeqNo: <b>2088722</b> |      |  |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                   | RPD Ref Val | %RPD | RPDLimit              | Qual |  |

|                                   |        |                        |           |                    |      |                             |                                |             |                      |                       |      |
|-----------------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|--------------------------------|-------------|----------------------|-----------------------|------|
| Sample ID: <b>2505671-001BDUP</b> |        | SampType: <b>DUP</b>   |           | Units: <b>mg/L</b> |      | Prep Date: <b>5/31/2025</b> |                                |             | RunNo: <b>100245</b> |                       |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47930</b> |           |                    |      |                             | Analysis Date: <b>6/1/2025</b> |             |                      | SeqNo: <b>2088724</b> |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                      | RPD Ref Val | %RPD                 | RPDLimit              | Qual |
| Fluoride                          | 0.643  | 0.100                  |           |                    |      |                             |                                | 0.6400      | 0.468                | 20                    |      |
| Chloride                          | 3.38   | 0.200                  |           |                    |      |                             |                                | 3.368       | 0.356                | 20                    |      |

|                                  |        |                        |           |             |                                |          |                             |             |                       |          |      |
|----------------------------------|--------|------------------------|-----------|-------------|--------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2505671-001BMS</b> |        | SampType: <b>MS</b>    |           |             | Units: <b>mg/L</b>             |          | Prep Date: <b>5/31/2025</b> |             | RunNo: <b>100245</b>  |          |      |
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47930</b> |           |             | Analysis Date: <b>6/1/2025</b> |          |                             |             | SeqNo: <b>2088725</b> |          |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Fluoride                         | 1.16   | 0.100                  | 0.5000    | 0.6400      | 104                            | 80       | 120                         |             |                       |          |      |
| Chloride                         | 4.13   | 0.200                  | 0.7500    | 3.368       | 102                            | 80       | 120                         |             |                       |          |      |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

## QC SUMMARY REPORT

### Extractable Petroleum Hydrocarbons by NWEPH

| Sample ID: <b>MB-47852</b>      |        | SampType: <b>MBLK</b>  |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/23/2025</b>    |           | RunNo: <b>100372</b>  |      |          |      |
|---------------------------------|--------|------------------------|-----------|--------------------|------|--------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>         |        | Batch ID: <b>47852</b> |           |                    |      | Analysis Date: <b>6/5/2025</b> |           | SeqNo: <b>2091733</b> |      |          |      |
| Analyte                         | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                       | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aliphatic Hydrocarbon (C8-C10)  | ND     | 80.0                   |           | 0                  | 0    |                                |           |                       |      |          |      |
| Aliphatic Hydrocarbon (C10-C12) | ND     | 40.0                   |           | 0                  | 0    |                                |           |                       |      |          |      |
| Aliphatic Hydrocarbon (C12-C16) | ND     | 40.0                   |           | 0                  | 0    |                                |           |                       |      |          |      |
| Aliphatic Hydrocarbon (C16-C21) | ND     | 40.0                   |           | 0                  | 0    |                                |           |                       |      |          |      |
| Aliphatic Hydrocarbon (C21-C34) | ND     | 40.0                   |           | 0                  | 0    |                                |           |                       |      |          |      |
| Surr: 1-Chlorooctadecane        | 299    |                        | 500.0     |                    | 59.8 | 50                             | 150       |                       |      |          |      |

| Sample ID: <b>LCS-47852</b>     |        | SampType: <b>LCS</b>   |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/23/2025</b>    |           | RunNo: <b>100372</b>  |      |          |      |
|---------------------------------|--------|------------------------|-----------|--------------------|------|--------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>LCSW</b>          |        | Batch ID: <b>47852</b> |           |                    |      | Analysis Date: <b>6/5/2025</b> |           | SeqNo: <b>2091734</b> |      |          |      |
| Analyte                         | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                       | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aliphatic Hydrocarbon (C8-C10)  | 266    | 80.0                   | 1,250     | 0                  | 21.3 | 5                              | 77.8      |                       |      |          |      |
| Aliphatic Hydrocarbon (C10-C12) | 249    | 40.0                   | 625.0     | 0                  | 39.9 | 15.7                           | 84.5      |                       |      |          |      |
| Aliphatic Hydrocarbon (C12-C16) | 332    | 40.0                   | 625.0     | 0                  | 53.1 | 36.5                           | 91.7      |                       |      |          |      |
| Aliphatic Hydrocarbon (C16-C21) | 371    | 40.0                   | 625.0     | 0                  | 59.4 | 32.6                           | 111       |                       |      |          |      |
| Aliphatic Hydrocarbon (C21-C34) | 364    | 40.0                   | 625.0     | 0                  | 58.2 | 5.72                           | 135       |                       |      |          |      |
| Surr: 1-Chlorooctadecane        | 325    |                        | 500.0     |                    | 65.1 | 50                             | 150       |                       |      |          |      |

| Sample ID: <b>2505499-001AMS</b> |        | SampType: <b>MS</b>    |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/23/2025</b>    |           | RunNo: <b>100372</b>  |      |          |      |
|----------------------------------|--------|------------------------|-----------|--------------------|------|--------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47852</b> |           |                    |      | Analysis Date: <b>6/5/2025</b> |           | SeqNo: <b>2091736</b> |      |          |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                       | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aliphatic Hydrocarbon (C8-C10)   | 274    | 75.6                   | 1,181     | 0                  | 23.2 | 5.34                           | 53.5      |                       |      |          |      |
| Aliphatic Hydrocarbon (C10-C12)  | 217    | 37.8                   | 590.3     | 0                  | 36.7 | 10.5                           | 88.5      |                       |      |          |      |
| Aliphatic Hydrocarbon (C12-C16)  | 317    | 37.8                   | 590.3     | 0                  | 53.7 | 33.9                           | 91.5      |                       |      |          |      |
| Aliphatic Hydrocarbon (C16-C21)  | 366    | 37.8                   | 590.3     | 0                  | 62.0 | 33.8                           | 100       |                       |      |          |      |
| Aliphatic Hydrocarbon (C21-C34)  | 360    | 37.8                   | 590.3     | 0                  | 61.0 | 15.9                           | 110       |                       |      |          |      |
| Surr: 1-Chlorooctadecane         | 352    |                        | 472.2     |                    | 74.6 | 50                             | 150       |                       |      |          |      |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

## QC SUMMARY REPORT

### Extractable Petroleum Hydrocarbons by NWEPH

| Sample ID: <b>2505499-001AMSD</b> | SampType: <b>MSD</b>   | Units: <b>µg/L</b>             |           |             | Prep Date: <b>5/23/2025</b> |          |           | RunNo: <b>100372</b>  |      |          |      |
|-----------------------------------|------------------------|--------------------------------|-----------|-------------|-----------------------------|----------|-----------|-----------------------|------|----------|------|
| Client ID: <b>BATCH</b>           | Batch ID: <b>47852</b> | Analysis Date: <b>6/5/2025</b> |           |             |                             |          |           | SeqNo: <b>2091737</b> |      |          |      |
| Analyte                           | Result                 | RL                             | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aliphatic Hydrocarbon (C8-C10)    | 289                    | 75.3                           | 1,177     | 0           | 24.5                        | 5.34     | 53.5      | 274.1                 | 5.15 | 30       |      |
| Aliphatic Hydrocarbon (C10-C12)   | 227                    | 37.7                           | 588.6     | 0           | 38.6                        | 10.5     | 88.5      | 216.7                 | 4.80 | 30       |      |
| Aliphatic Hydrocarbon (C12-C16)   | 324                    | 37.7                           | 588.6     | 0           | 55.0                        | 33.9     | 91.5      | 316.8                 | 2.19 | 30       |      |
| Aliphatic Hydrocarbon (C16-C21)   | 381                    | 37.7                           | 588.6     | 0           | 64.7                        | 33.8     | 100       | 365.9                 | 4.04 | 30       |      |
| Aliphatic Hydrocarbon (C21-C34)   | 367                    | 37.7                           | 588.6     | 0           | 62.3                        | 15.9     | 110       | 360.1                 | 1.77 | 30       |      |
| Surr: 1-Chlorooctadecane          | 350                    |                                | 470.8     |             | 74.4                        | 50       | 150       |                       | 0    |          |      |

| Sample ID: <b>MB-47852</b>     | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             |      | Prep Date: <b>5/23/2025</b>    |           |             | RunNo: <b>100373</b>  |          |      |
|--------------------------------|------------------------|--------------------|-----------|-------------|------|--------------------------------|-----------|-------------|-----------------------|----------|------|
| Client ID: <b>MBLKW</b>        | Batch ID: <b>47852</b> |                    |           |             |      | Analysis Date: <b>6/6/2025</b> |           |             | SeqNo: <b>2092089</b> |          |      |
| Analyte                        | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                       | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Aromatic Hydrocarbon (C8-C10)  | 52.8                   | 80.0               |           | 0           | 0    |                                |           |             |                       |          | J    |
| Aromatic Hydrocarbon (C10-C12) | ND                     | 40.0               |           | 0           | 0    |                                |           |             |                       |          |      |
| Aromatic Hydrocarbon (C12-C16) | ND                     | 40.0               |           | 0           | 0    |                                |           |             |                       |          |      |
| Aromatic Hydrocarbon (C16-C21) | 31.0                   | 40.0               |           | 0           | 0    |                                |           |             |                       |          | JQ   |
| Aromatic Hydrocarbon (C21-C34) | ND                     | 40.0               |           | 0           | 0    |                                |           |             |                       |          | Q    |
| Surr: o-Terphenyl              | 341                    |                    | 500.0     |             | 68.3 | 50                             | 150       |             |                       |          |      |

**NOTES:**

Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

|                                |                        |                                |           |             |                             |          |           |                       |      |          |      |
|--------------------------------|------------------------|--------------------------------|-----------|-------------|-----------------------------|----------|-----------|-----------------------|------|----------|------|
| Sample ID: <b>LCS-47852</b>    | SampType: <b>LCS</b>   | Units: <b>µg/L</b>             |           |             | Prep Date: <b>5/23/2025</b> |          |           | RunNo: <b>100373</b>  |      |          |      |
| Client ID: <b>LCSW</b>         | Batch ID: <b>47852</b> | Analysis Date: <b>6/6/2025</b> |           |             |                             |          |           | SeqNo: <b>2092090</b> |      |          |      |
| Analyte                        | Result                 | RL                             | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aromatic Hydrocarbon (C8-C10)  | 321                    | 80.0                           | 1,250     | 0           | 25.6                        | 6.48     | 78.2      |                       |      |          |      |
| Aromatic Hydrocarbon (C10-C12) | 289                    | 40.0                           | 625.0     | 0           | 46.2                        | 28.7     | 115       |                       |      |          |      |
| Aromatic Hydrocarbon (C12-C16) | 362                    | 40.0                           | 625.0     | 0           | 58.0                        | 23.2     | 130       |                       |      |          |      |
| Aromatic Hydrocarbon (C16-C21) | 480                    | 40.0                           | 625.0     | 0           | 76.7                        | 51.2     | 130       |                       |      |          |      |
| Aromatic Hydrocarbon (C21-C34) | 371                    | 40.0                           | 625.0     | 0           | 59.4                        | 44.5     | 120       |                       |      |          |      |
| Surr: o-Terphenyl              | 358                    |                                | 500.0     |             | 71.6                        | 50       | 150       |                       |      |          |      |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

## QC SUMMARY REPORT

### Extractable Petroleum Hydrocarbons by NWEPH

| Sample ID: <b>2505499-001AMS</b> |        | SampType: <b>MS</b>    |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/23/2025</b>    |           | RunNo: <b>100373</b>  |      |          |      |
|----------------------------------|--------|------------------------|-----------|--------------------|------|--------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47852</b> |           |                    |      | Analysis Date: <b>6/6/2025</b> |           | SeqNo: <b>2092092</b> |      |          |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                       | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aromatic Hydrocarbon (C8-C10)    | 401    | 75.6                   | 1,181     | 88.72              | 26.5 | 5.14                           | 70.6      |                       |      |          |      |
| Aromatic Hydrocarbon (C10-C12)   | 315    | 37.8                   | 590.3     | 0                  | 53.3 | 19                             | 105       |                       |      |          |      |
| Aromatic Hydrocarbon (C12-C16)   | 398    | 37.8                   | 590.3     | 7.712              | 66.1 | 33                             | 116       |                       |      |          |      |
| Aromatic Hydrocarbon (C16-C21)   | 474    | 37.8                   | 590.3     | 33.24              | 74.6 | 33                             | 120       |                       |      |          |      |
| Aromatic Hydrocarbon (C21-C34)   | 433    | 37.8                   | 590.3     | 0                  | 73.3 | 31.3                           | 119       |                       |      |          |      |
| Surr: o-Terphenyl                | 396    |                        | 472.2     |                    | 83.9 | 50                             | 150       |                       |      |          |      |

| Sample ID: <b>2505499-001AMSD</b> |        | SampType: <b>MSD</b>   |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/23/2025</b>    |           | RunNo: <b>100373</b>  |      |          |      |
|-----------------------------------|--------|------------------------|-----------|--------------------|------|--------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47852</b> |           |                    |      | Analysis Date: <b>6/6/2025</b> |           | SeqNo: <b>2092093</b> |      |          |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                       | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aromatic Hydrocarbon (C8-C10)     | 377    | 75.3                   | 1,177     | 88.72              | 24.5 | 5.14                           | 70.6      | 401.3                 | 6.28 | 30       |      |
| Aromatic Hydrocarbon (C10-C12)    | 279    | 37.7                   | 588.6     | 0                  | 47.4 | 19                             | 105       | 314.7                 | 12.1 | 30       |      |
| Aromatic Hydrocarbon (C12-C16)    | 351    | 37.7                   | 588.6     | 7.712              | 58.3 | 33                             | 116       | 397.6                 | 12.5 | 30       |      |
| Aromatic Hydrocarbon (C16-C21)    | 420    | 37.7                   | 588.6     | 33.24              | 65.8 | 33                             | 120       | 473.5                 | 11.9 | 30       |      |
| Aromatic Hydrocarbon (C21-C34)    | 356    | 37.7                   | 588.6     | 0                  | 60.4 | 31.3                           | 119       | 432.9                 | 19.6 | 30       |      |
| Surr: o-Terphenyl                 | 357    |                        | 470.8     |                    | 75.7 | 50                             | 150       |                       | 0    |          |      |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

**QC SUMMARY REPORT**  
**Volatile Petroleum Hydrocarbons by NWVPH**

| Sample ID: <b>LCS-47885</b>     |        | SampType: <b>LCS</b>   |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/28/2025</b>     |           | RunNo: <b>100185</b>  |      |          |      |
|---------------------------------|--------|------------------------|-----------|--------------------|------|---------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>LCSW</b>          |        | Batch ID: <b>47885</b> |           |                    |      | Analysis Date: <b>5/28/2025</b> |           | SeqNo: <b>2087413</b> |      |          |      |
| Analyte                         | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                        | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aliphatic Hydrocarbon (C5-C6)   | 371    | 50.0                   | 400.0     | 0                  | 92.8 | 70                              | 130       |                       |      |          |      |
| Aliphatic Hydrocarbon (C6-C8)   | 176    | 50.0                   | 200.0     | 0                  | 88.2 | 70                              | 130       |                       |      |          |      |
| Aliphatic Hydrocarbon (C8-C10)  | 203    | 50.0                   | 200.0     | 0                  | 102  | 70                              | 130       |                       |      |          |      |
| Aliphatic Hydrocarbon (C10-C12) | 177    | 40.0                   | 200.0     | 0                  | 88.6 | 70                              | 130       |                       |      |          |      |
| Aromatic Hydrocarbon (C8-C10)   | 941    | 60.0                   | 1,000     | 0                  | 94.1 | 70                              | 130       |                       |      |          |      |
| Aromatic Hydrocarbon (C10-C12)  | 220    | 50.0                   | 200.0     | 0                  | 110  | 70                              | 130       |                       |      |          |      |
| Aromatic Hydrocarbon (C12-C13)  | 161    | 50.0                   | 200.0     | 0                  | 80.5 | 70                              | 130       |                       |      |          |      |
| Surr: 2,5-dibromotoluene        | 36.9   |                        | 50.00     |                    | 73.9 | 60                              | 140       |                       |      |          |      |

| Sample ID: <b>MB-47885</b>      |        | SampType: <b>MBLK</b>  |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/28/2025</b>     |           | RunNo: <b>100185</b>  |      |          |      |
|---------------------------------|--------|------------------------|-----------|--------------------|------|---------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>         |        | Batch ID: <b>47885</b> |           |                    |      | Analysis Date: <b>5/28/2025</b> |           | SeqNo: <b>2087406</b> |      |          |      |
| Analyte                         | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                        | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aliphatic Hydrocarbon (C5-C6)   | ND     | 50.0                   |           | 0                  | 0    |                                 |           |                       |      |          |      |
| Aliphatic Hydrocarbon (C6-C8)   | ND     | 50.0                   |           | 0                  | 0    |                                 |           |                       |      |          |      |
| Aliphatic Hydrocarbon (C8-C10)  | ND     | 50.0                   |           | 0                  | 0    |                                 |           |                       |      |          |      |
| Aliphatic Hydrocarbon (C10-C12) | ND     | 40.0                   |           | 0                  | 0    |                                 |           |                       |      |          |      |
| Aromatic Hydrocarbon (C8-C10)   | ND     | 60.0                   |           | 0                  | 0    |                                 |           |                       |      |          |      |
| Aromatic Hydrocarbon (C10-C12)  | 8.78   | 50.0                   |           | 0                  | 0    |                                 |           |                       |      |          | J    |
| Aromatic Hydrocarbon (C12-C13)  | ND     | 50.0                   |           | 0                  | 0    |                                 |           |                       |      |          |      |
| Surr: 2,5-dibromotoluene        | 31.4   |                        | 50.00     |                    | 62.7 | 60                              | 140       |                       |      |          |      |

| Sample ID: <b>LCSD-47885</b>    |        | SampType: <b>LCSD</b>  |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/28/2025</b>     |           | RunNo: <b>100185</b>  |      |          |      |
|---------------------------------|--------|------------------------|-----------|--------------------|------|---------------------------------|-----------|-----------------------|------|----------|------|
| Client ID: <b>LCSW02</b>        |        | Batch ID: <b>47885</b> |           |                    |      | Analysis Date: <b>5/28/2025</b> |           | SeqNo: <b>2087412</b> |      |          |      |
| Analyte                         | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                        | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Aliphatic Hydrocarbon (C5-C6)   | 380    | 50.0                   | 400.0     | 0                  | 94.9 | 70                              | 130       | 371.2                 | 2.23 | 20       |      |
| Aliphatic Hydrocarbon (C6-C8)   | 169    | 50.0                   | 200.0     | 0                  | 84.3 | 70                              | 130       | 176.4                 | 4.49 | 20       |      |
| Aliphatic Hydrocarbon (C8-C10)  | 212    | 50.0                   | 200.0     | 0                  | 106  | 70                              | 130       | 203.0                 | 4.50 | 20       |      |
| Aliphatic Hydrocarbon (C10-C12) | 213    | 40.0                   | 200.0     | 0                  | 107  | 70                              | 130       | 177.2                 | 18.5 | 20       |      |
| Aromatic Hydrocarbon (C8-C10)   | 893    | 60.0                   | 1,000     | 0                  | 89.3 | 70                              | 130       | 940.6                 | 5.22 | 20       |      |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

## QC SUMMARY REPORT

### Volatile Petroleum Hydrocarbons by NWVPH

| Sample ID: <b>LCS-D-47885</b>  | SampType: <b>LCS-D</b> | Units: <b>µg/L</b>              |           |             |      | Prep Date: <b>5/28/2025</b> |           |             | RunNo: <b>100185</b>  |          |      |
|--------------------------------|------------------------|---------------------------------|-----------|-------------|------|-----------------------------|-----------|-------------|-----------------------|----------|------|
| Client ID: <b>LCSW02</b>       | Batch ID: <b>47885</b> | Analysis Date: <b>5/28/2025</b> |           |             |      |                             |           |             | SeqNo: <b>2087412</b> |          |      |
| Analyte                        | Result                 | RL                              | SPK value | SPK Ref Val | %REC | LowLimit                    | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Aromatic Hydrocarbon (C10-C12) | 190                    | 50.0                            | 200.0     | 0           | 94.9 | 70                          | 130       | 219.5       | 14.5                  | 20       |      |
| Aromatic Hydrocarbon (C12-C13) | 205                    | 50.0                            | 200.0     | 0           | 103  | 70                          | 130       | 161.0       | 24.1                  | 20       |      |
| Surr: 2,5-dibromotoluene       | 30.2                   |                                 | 50.00     |             | 60.4 | 60                          | 140       |             | 0                     | 0        |      |

|                                |                        |                                |           |             |      |                             |           |             |                       |          |      |
|--------------------------------|------------------------|--------------------------------|-----------|-------------|------|-----------------------------|-----------|-------------|-----------------------|----------|------|
| Sample ID: <b>LCS-47885</b>    | SampType: <b>LCS</b>   | Units: <b>µg/L</b>             |           |             |      | Prep Date: <b>5/28/2025</b> |           |             | RunNo: <b>100185</b>  |          |      |
| Client ID: <b>LCSW</b>         | Batch ID: <b>47885</b> | Analysis Date: <b>6/4/2025</b> |           |             |      |                             |           |             | SeqNo: <b>2092380</b> |          |      |
| Analyte                        | Result                 | RL                             | SPK value | SPK Ref Val | %REC | LowLimit                    | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Benzene                        | 226                    | 10.0                           | 200.0     | 0           | 113  | 70                          | 130       |             |                       |          |      |
| Toluene                        | 225                    | 10.0                           | 200.0     | 0           | 113  | 70                          | 130       |             |                       |          |      |
| Ethylbenzene                   | 226                    | 10.0                           | 200.0     | 0           | 113  | 70                          | 130       |             |                       |          |      |
| m,p-Xylene                     | 447                    | 20.0                           | 400.0     | 0           | 112  | 70                          | 130       |             |                       |          |      |
| o-Xylene                       | 219                    | 10.0                           | 200.0     | 0           | 110  | 70                          | 130       |             |                       |          |      |
| Naphthalene                    | 240                    | 20.0                           | 200.0     | 0           | 120  | 70                          | 130       |             |                       |          |      |
| Methyl tert-butyl ether (MTBE) | 220                    | 10.0                           | 200.0     | 0           | 110  | 70                          | 130       |             |                       |          |      |

| Sample ID: <b>MB-47885</b>     | SampType: <b>MBLK</b>  | Units: <b>µg/L</b> |           |             | Prep Date: <b>5/28/2025</b>    |          |           | RunNo: <b>100185</b>  |      |          |      |
|--------------------------------|------------------------|--------------------|-----------|-------------|--------------------------------|----------|-----------|-----------------------|------|----------|------|
| Client ID: <b>MBLKW</b>        | Batch ID: <b>47885</b> |                    |           |             | Analysis Date: <b>6/5/2025</b> |          |           | SeqNo: <b>2091570</b> |      |          |      |
| Analyte                        | Result                 | RL                 | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Hexane                         | ND                     | 20.0               |           |             |                                |          |           |                       |      |          |      |
| Benzene                        | ND                     | 10.0               |           | 0           | 0                              |          |           |                       |      |          |      |
| Toluene                        | ND                     | 10.0               |           | 0           | 0                              |          |           |                       |      |          |      |
| Ethylbenzene                   | ND                     | 10.0               |           | 0           | 0                              |          |           |                       |      |          |      |
| m,p-Xylene                     | ND                     | 20.0               |           | 0           | 0                              |          |           |                       |      |          |      |
| o-Xylene                       | ND                     | 10.0               |           | 0           | 0                              |          |           |                       |      |          |      |
| Naphthalene                    | ND                     | 10.0               |           | 0           | 0                              |          |           |                       |      |          |      |
| Methyl tert-butyl ether (MTBE) | ND                     | 10.0               |           | 0           | 0                              |          |           |                       |      |          |      |
| Surr: 2,5-dibromotoluene       | 32.0                   |                    | 50.00     |             | 64.1                           | 60       | 140       |                       |      |          |      |

**Work Order:** 2505536  
**CLIENT:** Friedman & Bruya  
**Project:** 505418

**QC SUMMARY REPORT**  
**Volatile Petroleum Hydrocarbons by NWVPH**

|                                |        |                        |           |                    |      |                             |                                |             |                      |                       |      |
|--------------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|--------------------------------|-------------|----------------------|-----------------------|------|
| Sample ID: <b>LCSD-47885</b>   |        | SampType: <b>LCSD</b>  |           | Units: <b>µg/L</b> |      | Prep Date: <b>5/28/2025</b> |                                |             | RunNo: <b>100185</b> |                       |      |
| Client ID: <b>LCSW02</b>       |        | Batch ID: <b>47885</b> |           |                    |      |                             | Analysis Date: <b>6/5/2025</b> |             |                      | SeqNo: <b>2092381</b> |      |
| Analyte                        | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                      | RPD Ref Val | %RPD                 | RPDLimit              | Qual |
| Benzene                        | 221    | 10.0                   | 200.0     | 0                  | 110  | 70                          | 130                            | 225.7       | 0                    | 20                    |      |
| Toluene                        | 220    | 10.0                   | 200.0     | 0                  | 110  | 70                          | 130                            | 225.5       | 0                    | 20                    |      |
| Ethylbenzene                   | 219    | 10.0                   | 200.0     | 0                  | 110  | 70                          | 130                            | 225.9       | 0                    | 20                    |      |
| m,p-Xylene                     | 436    | 20.0                   | 400.0     | 0                  | 109  | 70                          | 130                            | 446.7       | 0                    | 20                    |      |
| o-Xylene                       | 214    | 10.0                   | 200.0     | 0                  | 107  | 70                          | 130                            | 219.3       | 0                    | 20                    |      |
| Naphthalene                    | 199    | 20.0                   | 200.0     | 0                  | 99.5 | 70                          | 130                            | 240.1       | 0                    | 20                    |      |
| Methyl tert-butyl ether (MTBE) | 214    | 10.0                   | 200.0     | 0                  | 107  | 70                          | 130                            | 219.7       | 0                    | 20                    |      |

## Sample Log-In Check List

Client Name: **FB**

Work Order Number: **2505536**

Logged by: **Morgan Wilson**

Date Received: **5/23/2025 2:12:00 PM**

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Custody Seals present on shipping container/cooler?  
(Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Present ☒
4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all items received at a temperature of >2°C to 6°C \* Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
11. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
12. Does paperwork match bottle labels? Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all hold times (except field parameters, pH e.g.) able to be met? Yes ☒ No ☐

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☒ No ☐ NA ☐

|                      |                          |       |                                                                                                                                          |
|----------------------|--------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------|
| Person Notified:     | <u>Michael Erdahl</u>    | Date: | <u>5/23/2025</u>                                                                                                                         |
| By Whom:             | <u>Morgan Wilson</u>     | Via:  | <input checked="" type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <u>EPH+Targets List</u>  |       |                                                                                                                                          |
| Client Instructions: | <u>Standard EPH List</u> |       |                                                                                                                                          |

17. Additional remarks:

### Item Information

| Item # | Temp °C |
|--------|---------|
| Sample | 6.0     |

\* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

# SUBCONTRACT SAMPLE CHAIN OF CUSTODY

25050546

Page # 1 of 2

Send Report To Michael Erdahl

Company Friedman and Bruya, Inc.

Address 5500 4th Ave S

City, State, ZIP Seattle, WA 98108

Phone # (206) 285-8282 merdahl@friedmanandbruya.com

|                               |               |
|-------------------------------|---------------|
| SUBCONTRACTOR<br>ATG          |               |
| PROJECT NAME/NO.<br>505418    | PO #<br>F-252 |
| REMARKS<br>EIM, REPORT TO MDL |               |

|                                                                                           |
|-------------------------------------------------------------------------------------------|
| TURNAROUND TIME                                                                           |
| <input checked="" type="checkbox"/> Standard TAT<br><input type="checkbox"/> RUSH         |
| Rush charges authorized by:                                                               |
| SAMPLE DISPOSAL<br>Dispose after 30 days<br>Return samples<br>Will call with instructions |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Matrix | # of jars | ANALYSES REQUESTED |             |             |  |  |  |  |  |  |  | Notes         |
|-----------|--------|--------------|--------------|--------|-----------|--------------------|-------------|-------------|--|--|--|--|--|--|--|---------------|
|           |        |              |              |        |           | Anions (Cl and F)  | EPH+targets | VPH+targets |  |  |  |  |  |  |  |               |
| MW5R2     |        | 5/20/2025    | 1030         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  | Report to MDL |
| MW3R      |        | 5/20/2025    | 1122         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW8R      |        | 5/20/2025    | 1212         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW1       |        | 5/20/2025    | 1307         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW4R      |        | 5/20/2025    | 1404         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW10      |        | 5/21/2025    | 920          | water  | 5         | x                  | x           | x           |  |  |  |  |  |  |  |               |
| MW9R      |        | 5/21/2025    | 1020         | water  | 4         | x                  | x           | x           |  |  |  |  |  |  |  |               |
| MW2       |        | 5/21/2025    | 1130         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW11      |        | 5/21/2025    | 1218         | water  | 2         | x                  |             |             |  |  |  |  |  |  |  |               |
| DUP-0525  |        | 5/22/2025    | 0001         | water  | 2         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW-6R     |        | 5/22/2025    | 1007         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW-12     |        | 5/22/2025    | 1102         | water  | 1         | x                  |             |             |  |  |  |  |  |  |  |               |
| MW7       |        | 5/22/2025    | 1203         | water  | 2         | x                  |             |             |  |  |  |  |  |  |  |               |

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Michael Erdahl

Friedman & Bruya

5/23/25

1300

Received by:

Bhanna Ballard

ATG

5/23

2:12 PM

Relinquished by:

Received by:



FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

April 22, 2025

Jamie Stevens, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Ms Stevens:

Included are the results from the testing of material submitted on April 11, 2025 from the Maralco Supplemental RI, F&BI 504184 project. There is 1 page included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Rusty Jones, Grant Hainsworth  
CTC0422R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 11, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Maralco Supplemental RI, F&BI 504184 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 504184 -01           | DUP01-0425              |
| 504184 -02           | MW12                    |

The samples were sent to Alliance Technical Group for chloride and fluoride testing. The report is enclosed.

64111/25 J2

Page # of

Phone 832.330.1359 Email \_\_\_\_\_

Default: Dispose after 30 days

[illegible]

*Friedman & Bruya, Inc.*  
5500 4th Ave S.  
Seattle WA 98108  
(206) 285-8282  
office@friedmanandbruya.com

| SIGNATURE                                                                                       | PRINT NAME   | COMPANY | DATE      | TIME |
|-------------------------------------------------------------------------------------------------|--------------|---------|-----------|------|
| Relinquished by:                                                                                |              |         |           |      |
| Received by:   | Rusty Jones  | CPETE   | 4/11/2005 | 1408 |
| Relinquished by:                                                                                |              |         |           |      |
| Received by:  | Michael Enck | FIRB    | 4/11/25   | 1406 |
| Relinquished by:                                                                                |              |         |           |      |
| Received by:                                                                                    |              |         |           |      |

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 504184 CLIENT Crete INITIALS/ AP  
DATE: 4/11/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature \_\_\_\_\_ °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/ AP  
\*or other representative documents, letters, and/or shipping memos Date: 4/11/25

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                               |       |                                           |
|--------------------|---------------------------------------------------------------|-------|-------------------------------------------|
| Sample ID's        | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ | <input type="checkbox"/> Not on COC/label |
| Date Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ | <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ | <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ |                                           |
| Relinquished       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ |                                           |
| Requested analysis | <input type="checkbox"/> Yes <input type="checkbox"/> On Hold | _____ |                                           |

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\* \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

\*\*Fill out Green manifolds billing sheet



3600 Fremont Ave N

Seattle, WA 98103

T: (206) 352-3790

F: (206) 352-7178

info@fremontanalytical.com

**Friedman & Bruya**

Michael Erdahl

5500 4th Ave S

Seattle, WA 98108

**RE: 504184,**

**Work Order Number: 2504394**

April 21, 2025

**Attention Michael Erdahl:**

Alliance Technical Group, LLC - Seattle received 2 sample(s) on 4/14/2025 for the analyses presented in the following report.

***Ion Chromatography by EPA 300.0***

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

A handwritten signature in blue ink that reads "Kelley Lovejoy". The signature is written in a cursive, flowing style.

Kelley Lovejoy  
Project Manager

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing  
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing  
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



**www.fremontanalytical.com**



Date: 04/21/2025

---

**CLIENT:** Friedman & Bruya  
**Project:** 504184  
**Work Order:** 2504394

---

## Work Order Sample Summary

---

| Lab Sample ID | Client Sample ID | Date/Time Collected | Date/Time Received |
|---------------|------------------|---------------------|--------------------|
| 2504394-001   | DUP01-0425       | 04/11/2025 12:01 AM | 04/14/2025 2:49 PM |
| 2504394-002   | MW12             | 04/11/2025 4:05 PM  | 04/14/2025 2:49 PM |

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

---

Original

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**CLIENT:** Friedman & Bruya

**Project:** 504184

---

**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

### Qualifiers:

- \* - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

### Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate

**CLIENT:** Friedman & Bruya  
**Project:** 504184

**Lab ID:** 2504394-001

**Collection Date:** 4/11/2025 12:01:00 AM

**Client Sample ID:** DUP01-0425

**Matrix:** Water

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

**Ion Chromatography by EPA 300.0**

Batch ID: 47358

Analyst: OP

|          |       |       |   |      |     |                      |
|----------|-------|-------|---|------|-----|----------------------|
| Fluoride | 0.416 | 0.200 | D | mg/L | 2   | 4/16/2025 4:07:00 AM |
| Chloride | 236   | 20.0  | D | mg/L | 100 | 4/16/2025 2:35:00 AM |

**Lab ID:** 2504394-002

**Collection Date:** 4/11/2025 4:05:00 PM

**Client Sample ID:** MW12

**Matrix:** Water

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|----------|--------|----|------|-------|----|---------------|
|----------|--------|----|------|-------|----|---------------|

**Ion Chromatography by EPA 300.0**

Batch ID: 47358

Analyst: OP

|          |       |       |   |      |     |                      |
|----------|-------|-------|---|------|-----|----------------------|
| Fluoride | 0.418 | 0.200 | D | mg/L | 2   | 4/16/2025 4:31:00 AM |
| Chloride | 233   | 20.0  | D | mg/L | 100 | 4/16/2025 2:58:00 AM |

**Work Order:** 2504394  
**CLIENT:** Friedman & Bruya  
**Project:** 504184

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                             |        |                        |           |             |                                 |          |                             |             |      |                       |      |  |
|-----------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|------|-----------------------|------|--|
| Sample ID: <b>LCS-47358</b> |        | SampType: <b>LCS</b>   |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>4/15/2025</b> |             |      | RunNo: <b>99072</b>   |      |  |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>47358</b> |           |             | Analysis Date: <b>4/15/2025</b> |          |                             |             |      | SeqNo: <b>2063438</b> |      |  |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD | RPDLimit              | Qual |  |

|          |       |       |        |   |      |    |     |  |  |  |  |
|----------|-------|-------|--------|---|------|----|-----|--|--|--|--|
| Fluoride | 0.492 | 0.100 | 0.5000 | 0 | 98.4 | 90 | 110 |  |  |  |  |
| Chloride | 0.742 | 0.200 | 0.7500 | 0 | 98.9 | 90 | 110 |  |  |  |  |

|                            |        |                        |           |             |                                 |          |                             |                       |      |                     |      |  |
|----------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-----------------------|------|---------------------|------|--|
| Sample ID: <b>MB-47358</b> |        | SampType: <b>MBLK</b>  |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>4/15/2025</b> |                       |      | RunNo: <b>99072</b> |      |  |
| Client ID: <b>MBLKW</b>    |        | Batch ID: <b>47358</b> |           |             | Analysis Date: <b>4/15/2025</b> |          |                             | SeqNo: <b>2063440</b> |      |                     |      |  |
| Analyte                    | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val           | %RPD | RPDLimit            | Qual |  |

|          |    |       |  |  |  |  |  |  |  |  |  |
|----------|----|-------|--|--|--|--|--|--|--|--|--|
| Fluoride | ND | 0.100 |  |  |  |  |  |  |  |  |  |
| Chloride | ND | 0.200 |  |  |  |  |  |  |  |  |  |

|                                   |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|-----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2504391-001BDUP</b> |        | SampType: <b>DUP</b>   |           |             | Units: <b>mg/L-dry</b>          |          | Prep Date: <b>4/15/2025</b> |             | RunNo: <b>99072</b>   |          |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47358</b> |           |             | Analysis Date: <b>4/15/2025</b> |          |                             |             | SeqNo: <b>2063442</b> |          |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |

|          |      |       |  |  |  |  |  |       |         |    |   |
|----------|------|-------|--|--|--|--|--|-------|---------|----|---|
| Fluoride | ND   | 0.154 |  |  |  |  |  | 0     |         | 20 |   |
| Chloride | 43.3 | 0.309 |  |  |  |  |  | 43.28 | 0.00713 | 20 | E |

|                                  |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2504391-001BMS</b> |        | SampType: <b>MS</b>    |           |             | Units: <b>mg/L-dry</b>          |          | Prep Date: <b>4/15/2025</b> |             | RunNo: <b>99072</b>   |          |      |
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47358</b> |           |             | Analysis Date: <b>4/15/2025</b> |          |                             |             | SeqNo: <b>2063443</b> |          |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |

|          |       |       |        |       |      |    |     |  |  |  |    |
|----------|-------|-------|--------|-------|------|----|-----|--|--|--|----|
| Fluoride | 0.796 | 0.154 | 0.7714 | 0     | 103  | 80 | 120 |  |  |  |    |
| Chloride | 43.7  | 0.309 | 1.157  | 43.28 | 38.9 | 80 | 120 |  |  |  | ES |

**NOTES:**

S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

|                                   |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|-----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2504391-001BMSD</b> |        | SampType: <b>MSD</b>   |           |             | Units: <b>mg/L-dry</b>          |          | Prep Date: <b>4/15/2025</b> |             | RunNo: <b>99072</b>   |          |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47358</b> |           |             | Analysis Date: <b>4/15/2025</b> |          |                             |             | SeqNo: <b>2063444</b> |          |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |

|          |       |       |        |   |     |    |     |        |       |    |  |
|----------|-------|-------|--------|---|-----|----|-----|--------|-------|----|--|
| Fluoride | 0.799 | 0.154 | 0.7714 | 0 | 104 | 80 | 120 | 0.7961 | 0.387 | 20 |  |
|----------|-------|-------|--------|---|-----|----|-----|--------|-------|----|--|

**Work Order:** 2504394  
**CLIENT:** Friedman & Bruya  
**Project:** 504184

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                                   |        |                        |           |                        |      |                             |                                 |             |                     |                       |      |
|-----------------------------------|--------|------------------------|-----------|------------------------|------|-----------------------------|---------------------------------|-------------|---------------------|-----------------------|------|
| Sample ID: <b>2504391-001BMSD</b> |        | SampType: <b>MSD</b>   |           | Units: <b>mg/L-dry</b> |      | Prep Date: <b>4/15/2025</b> |                                 |             | RunNo: <b>99072</b> |                       |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47358</b> |           |                        |      |                             | Analysis Date: <b>4/15/2025</b> |             |                     | SeqNo: <b>2063444</b> |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val            | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD                | RPDLimit              | Qual |
| Chloride                          | 43.7   | 0.309                  | 1.157     | 43.28                  | 38.0 | 80                          | 120                             | 43.73       | 0.0247              | 20                    | ES   |

**NOTES:**

S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

|                                   |        |                        |           |             |                                 |          |                             |                       |       |                     |      |  |
|-----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-----------------------|-------|---------------------|------|--|
| Sample ID: <b>2504394-002ADUP</b> |        | SampType: <b>DUP</b>   |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>4/15/2025</b> |                       |       | RunNo: <b>99072</b> |      |  |
| Client ID: <b>MW12</b>            |        | Batch ID: <b>47358</b> |           |             | Analysis Date: <b>4/16/2025</b> |          |                             | SeqNo: <b>2063468</b> |       |                     |      |  |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val           | %RPD  | RPDLimit            | Qual |  |
| Fluoride                          | ND     | 10.0                   |           |             |                                 |          |                             | 0                     |       | 20                  | D    |  |
| Chloride                          | 231    | 20.0                   |           |             |                                 |          |                             | 233.2                 | 0.861 | 20                  | D    |  |

|                                  |        |                        |           |                    |      |                             |                                 |             |                     |                       |      |
|----------------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|---------------------|-----------------------|------|
| Sample ID: <b>2504394-002AMS</b> |        | SampType: <b>MS</b>    |           | Units: <b>mg/L</b> |      | Prep Date: <b>4/15/2025</b> |                                 |             | RunNo: <b>99072</b> |                       |      |
| Client ID: <b>MW12</b>           |        | Batch ID: <b>47358</b> |           |                    |      |                             | Analysis Date: <b>4/16/2025</b> |             |                     | SeqNo: <b>2063469</b> |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD                | RPDLimit              | Qual |
| Fluoride                         | 48.1   | 10.0                   | 50.00     | 0                  | 96.2 | 80                          | 120                             |             |                     |                       | D    |
| Chloride                         | 311    | 20.0                   | 75.00     | 233.2              | 103  | 80                          | 120                             |             |                     |                       | D    |

Client Name: FB

Work Order Number: 2504394

Logged by: Clare Griggs

Date Received: 4/14/2025 2:49:00 PM

## Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

## Log In

3. Custody Seals present on shipping container/cooler?  
(Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Present ☒
4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all items received at a temperature of >2°C to 6°C \* Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
11. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
12. Does paperwork match bottle labels? Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all hold times (except field parameters, pH e.g.) able to be met? Yes ☒ No ☐

## Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |                      |       |                                                                                                                               |
|----------------------|----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|
| Person Notified:     | <input type="text"/> | Date: | <input type="text"/>                                                                                                          |
| By Whom:             | <input type="text"/> | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <input type="text"/> |       |                                                                                                                               |
| Client Instructions: | <input type="text"/> |       |                                                                                                                               |

17. Additional remarks:

## Item Information

| Item # | Temp °C |
|--------|---------|
| Sample | 3.0     |

\* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

2504394

Send Report To Michael Erdahl

Company Friedman and Bryya, Inc.

Address 5500 4th Ave S

City, State, ZIP Seattle, WA 98108

Phone # (206) 285-8282 merdahl@friedmanandbruya.com

TURNAROUND TIME  
☒ Standard TAT  
 RUSH \_\_\_\_\_  
 Rush charges authorized by: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 SAMPLE DISPOSAL  
 Dispose after 30 days  
 Return samples  
 Will call with instructions

Page 9 of 9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

March 26, 2025

Rusty Jones, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Mr Jones:

Included are the results from the testing of material submitted on March 17, 2025 from the Maralco Supplemental RI Maralco, F&BI 503263 project. There is 1 page included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Grant Hainsworth, Jamie Stevens  
CTC0326R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 17, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Maralco Supplemental RI Maralco, F&BI 503263 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 503263 -01           | DUP02-031725            |
| 503263 -02           | DPT-25                  |
| 503263 -03           | DPT-26                  |
| 503263 -04           | DPT-27                  |
| 503263 -05           | SW-SOUTH                |
| 503263 -06           | SW-EAST                 |

The samples were sent to Alliance Technical Group for fluoride, chloride, and cyanide testing. The report is enclosed.

03/17/25 L3

Phone 832.340.1359 Email \_\_\_\_\_

|                                                                                                   |                                           |
|---------------------------------------------------------------------------------------------------|-------------------------------------------|
| SAMPLERS (signature)<br><i>Kusty Jones</i>                                                        |                                           |
| PROJECT NAME<br><i>Maraleo</i><br><i>Supplemental R.I</i>                                         | PO #<br><i>R. Jones</i><br><i>MARALEO</i> |
| REMARKS<br><i>Minor grass in "Su" sample bottles.</i><br><i>Project specific R.I.s - Yes / No</i> | INVOICE TO<br><i>CRETE</i>                |

TURNAROUND TIME

☐ Standard turnaround

☒ RUSH Results by 3/24/36

Rush charges authorized by:

Page # 1 of 1

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

[illegible]

**Friedman & Bruya, Inc.**  
5500 4th Ave S.  
Seattle WA 98108  
(206) 285-8282  
office@friedmanandbruya.com

| SIGNATURE        |                 | PRINT NAME         |  | COMPANY                   |  | DATE           |  | TIME         |  |
|------------------|-----------------|--------------------|--|---------------------------|--|----------------|--|--------------|--|
| Relinquished by: | <i>R. Jones</i> |                    |  |                           |  |                |  |              |  |
| Received by:     | <i>R. Jones</i> | <i>Eusty Jones</i> |  | <i>CRETE</i>              |  | <i>3/17/25</i> |  | <i>1554</i>  |  |
| Relinquished by: |                 | <i>Anh Pham</i>    |  | <i>FBI</i>                |  | <i>3/17/25</i> |  | <i>15:54</i> |  |
| Received by:     |                 |                    |  | <i>Sample received at</i> |  | <i>4:00</i>    |  |              |  |

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 503263 CLIENT Crete INITIALS/ AP  
DATE: 03/17/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 4 °C  
Thermometer ID: Fuke 96312917

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/ NP 3/17  
\*or other representative documents, letters, and/or shipping memos Date: 3/17

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                                          |                                           |
|--------------------|--------------------------------------------------------------------------|-------------------------------------------|
| Sample ID's        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Date Sampled*      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Relinquished       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Requested analysis | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> On Hold |                                           |

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\*          Number of unused TO17 tubes         

\*\*Fill out Green manifolds billing sheet

**Friedman & Bruya**

Michael Erdahl

5500 4th Ave S

Seattle, WA 98108

**RE: 503263,**

**Work Order Number: 2503351**

March 25, 2025

**Attention Michael Erdahl:**

Alliance Technical Group, LLC - Seattle received 6 sample(s) on 3/18/2025 for the analyses presented in the following report.

***Cyanide by SM 4500-CN C, E***

***Ion Chromatography by EPA 300.0***

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,



Brianna Barnes  
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing  
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing  
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original





Date: 03/25/2025

---

**CLIENT:** Friedman & Bruya  
**Project:** 503263  
**Work Order:** 2503351

---

## Work Order Sample Summary

---

| Lab Sample ID | Client Sample ID | Date/Time Collected | Date/Time Received |
|---------------|------------------|---------------------|--------------------|
| 2503351-001   | DUP02-031725     | 03/17/2025 12:02 AM | 03/18/2025 3:00 PM |
| 2503351-002   | DPT-25           | 03/17/2025 9:20 AM  | 03/18/2025 3:00 PM |
| 2503351-003   | DPT-26           | 03/17/2025 10:43 AM | 03/18/2025 3:00 PM |
| 2503351-004   | DPT-27           | 03/17/2025 12:08 PM | 03/18/2025 3:00 PM |
| 2503351-005   | SW-South         | 03/17/2025 1:50 PM  | 03/18/2025 3:00 PM |
| 2503351-006   | SW-East          | 03/17/2025 2:30 PM  | 03/18/2025 3:00 PM |

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

---

**CLIENT:** Friedman & Bruya

**Project:** 503263

---

**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

### Qualifiers:

- \* - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

### Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate

**CLIENT:** Friedman & Bruya  
**Project:** 503263

**Lab ID:** 2503351-001 **Collection Date:** 3/17/2025 12:02:00 AM  
**Client Sample ID:** DUP02-031725 **Matrix:** Water

| Analyses                                      | Result | RL    | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|-------|------|-----------------|----|-----------------------|
| <u><b>Ion Chromatography by EPA 300.0</b></u> |        |       |      | Batch ID: 47110 |    | Analyst: SS           |
| Fluoride                                      | 0.252  | 0.100 |      | mg/L            | 1  | 3/20/2025 7:50:00 PM  |
| Chloride                                      | 42.9   | 2.00  | D    | mg/L            | 10 | 3/21/2025 11:12:00 AM |

**Lab ID:** 2503351-002 **Collection Date:** 3/17/2025 9:20:00 AM  
**Client Sample ID:** DPT-25 **Matrix:** Water

| Analyses                                      | Result | RL    | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|-------|------|-----------------|----|-----------------------|
| <u><b>Ion Chromatography by EPA 300.0</b></u> |        |       |      | Batch ID: 47110 |    | Analyst: SS           |
| Fluoride                                      | 0.151  | 0.100 |      | mg/L            | 1  | 3/20/2025 8:13:00 PM  |
| Chloride                                      | 12.8   | 2.00  | D    | mg/L            | 10 | 3/21/2025 11:35:00 AM |

**Lab ID:** 2503351-003 **Collection Date:** 3/17/2025 10:43:00 AM  
**Client Sample ID:** DPT-26 **Matrix:** Water

| Analyses                                      | Result | RL    | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|-------|------|-----------------|----|-----------------------|
| <u><b>Ion Chromatography by EPA 300.0</b></u> |        |       |      | Batch ID: 47110 |    | Analyst: SS           |
| Fluoride                                      | 0.248  | 0.100 |      | mg/L            | 1  | 3/20/2025 8:37:00 PM  |
| Chloride                                      | 8.22   | 1.00  | D    | mg/L            | 5  | 3/21/2025 11:58:00 AM |

**Lab ID:** 2503351-004 **Collection Date:** 3/17/2025 12:08:00 PM  
**Client Sample ID:** DPT-27 **Matrix:** Water

| Analyses                                      | Result | RL    | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|-------|------|-----------------|----|-----------------------|
| <u><b>Ion Chromatography by EPA 300.0</b></u> |        |       |      | Batch ID: 47110 |    | Analyst: SS           |
| Fluoride                                      | 0.252  | 0.100 |      | mg/L            | 1  | 3/20/2025 9:00:00 PM  |
| Chloride                                      | 41.7   | 2.00  | D    | mg/L            | 10 | 3/21/2025 12:21:00 PM |

CLIENT: Friedman & Bruya  
Project: 503263

Lab ID: 2503351-005      Collection Date: 3/17/2025 1:50:00 PM  
Client Sample ID: SW-South      Matrix: Water

| Analyses                                      | Result | RL     | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|--------|------|-----------------|----|-----------------------|
| <b><u>Ion Chromatography by EPA 300.0</u></b> |        |        |      | Batch ID: 47110 |    | Analyst: SS           |
| Fluoride                                      | 5.70   | 1.00   | D    | mg/L            | 10 | 3/21/2025 12:44:00 PM |
| Chloride                                      | 80.2   | 4.00   | D    | mg/L            | 20 | 3/24/2025 8:02:00 PM  |
| <b><u>Cyanide by SM 4500-CN C, E</u></b>      |        |        |      | Batch ID: 47130 |    | Analyst: NR           |
| Cyanide, Total                                | ND     | 0.0500 |      | mg/L            | 1  | 3/25/2025 11:43:00 AM |

Lab ID: 2503351-006      Collection Date: 3/17/2025 2:30:00 PM  
Client Sample ID: SW-East      Matrix: Water

| Analyses                                      | Result | RL     | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|--------|------|-----------------|----|-----------------------|
| <b><u>Ion Chromatography by EPA 300.0</u></b> |        |        |      | Batch ID: 47110 |    | Analyst: SS           |
| Fluoride                                      | 0.212  | 0.100  |      | mg/L            | 1  | 3/20/2025 10:32:00 PM |
| Chloride                                      | 4.48   | 0.200  |      | mg/L            | 1  | 3/20/2025 10:32:00 PM |
| <b><u>Cyanide by SM 4500-CN C, E</u></b>      |        |        |      | Batch ID: 47130 |    | Analyst: NR           |
| Cyanide, Total                                | ND     | 0.0500 |      | mg/L            | 1  | 3/25/2025 11:47:00 AM |

**Work Order:** 2503351  
**CLIENT:** Friedman & Bruya  
**Project:** 503263

## QC SUMMARY REPORT

Cyanide by SM 4500-CN C, E

|                             |                        |                    |           |             |      |                                 |           |             |                       |          |      |
|-----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|-----------------------|----------|------|
| Sample ID: <b>LCS-47130</b> | SampType: <b>LCS</b>   | Units: <b>mg/L</b> |           |             |      | Prep Date: <b>3/24/2025</b>     |           |             | RunNo: <b>98478</b>   |          |      |
| Client ID: <b>LCSW</b>      | Batch ID: <b>47130</b> |                    |           |             |      | Analysis Date: <b>3/25/2025</b> |           |             | SeqNo: <b>2051784</b> |          |      |
| Analyte                     | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Cyanide, Total              | 0.225                  | 0.0500             | 0.2500    | 0           | 90.0 | 71.7                            | 132       |             |                       |          |      |

|                            |                        |                    |           |             |      |                                 |           |             |                       |          |      |
|----------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|-----------------------|----------|------|
| Sample ID: <b>MB-47130</b> | SampType: <b>MBLK</b>  | Units: <b>mg/L</b> |           |             |      | Prep Date: <b>3/24/2025</b>     |           |             | RunNo: <b>98478</b>   |          |      |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>47130</b> |                    |           |             |      | Analysis Date: <b>3/25/2025</b> |           |             | SeqNo: <b>2051786</b> |          |      |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Cyanide, Total             | ND                     | 0.0500             |           |             |      |                                 |           |             |                       |          |      |

|                                   |                        |                    |           |             |      |                                 |           |             |                       |          |      |
|-----------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|-----------------------|----------|------|
| Sample ID: <b>2503375-001ADUP</b> | SampType: <b>DUP</b>   | Units: <b>mg/L</b> |           |             |      | Prep Date: <b>3/24/2025</b>     |           |             | RunNo: <b>98478</b>   |          |      |
| Client ID: <b>BATCH</b>           | Batch ID: <b>47130</b> |                    |           |             |      | Analysis Date: <b>3/25/2025</b> |           |             | SeqNo: <b>2051788</b> |          |      |
| Analyte                           | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Cyanide, Total                    | ND                     | 0.0500             |           |             |      |                                 |           | 0           |                       | 20       |      |

|                                  |                        |                    |           |             |      |                                 |           |             |                       |          |      |
|----------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|-----------------------|----------|------|
| Sample ID: <b>2503375-001AMS</b> | SampType: <b>MS</b>    | Units: <b>mg/L</b> |           |             |      | Prep Date: <b>3/24/2025</b>     |           |             | RunNo: <b>98478</b>   |          |      |
| Client ID: <b>BATCH</b>          | Batch ID: <b>47130</b> |                    |           |             |      | Analysis Date: <b>3/25/2025</b> |           |             | SeqNo: <b>2051789</b> |          |      |
| Analyte                          | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Cyanide, Total                   | 0.262                  | 0.0500             | 0.2500    | 0           | 105  | 41.1                            | 144       |             |                       |          |      |

|                                   |                        |                    |           |             |      |                                 |           |             |                       |          |      |
|-----------------------------------|------------------------|--------------------|-----------|-------------|------|---------------------------------|-----------|-------------|-----------------------|----------|------|
| Sample ID: <b>2503375-001AMSD</b> | SampType: <b>MSD</b>   | Units: <b>mg/L</b> |           |             |      | Prep Date: <b>3/24/2025</b>     |           |             | RunNo: <b>98478</b>   |          |      |
| Client ID: <b>BATCH</b>           | Batch ID: <b>47130</b> |                    |           |             |      | Analysis Date: <b>3/25/2025</b> |           |             | SeqNo: <b>2051790</b> |          |      |
| Analyte                           | Result                 | RL                 | SPK value | SPK Ref Val | %REC | LowLimit                        | HighLimit | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Cyanide, Total                    | 0.266                  | 0.0500             | 0.2500    | 0           | 107  | 41.1                            | 144       | 0.2624      | 1.48                  | 30       |      |

**Work Order:** 2503351  
**CLIENT:** Friedman & Bruya  
**Project:** 503263

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                             |        |                        |           |                    |      |                                 |           |                       |      |          |      |
|-----------------------------|--------|------------------------|-----------|--------------------|------|---------------------------------|-----------|-----------------------|------|----------|------|
| Sample ID: <b>LCS-47110</b> |        | SampType: <b>LCS</b>   |           | Units: <b>mg/L</b> |      | Prep Date: <b>3/20/2025</b>     |           | RunNo: <b>98466</b>   |      |          |      |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>47110</b> |           |                    |      | Analysis Date: <b>3/20/2025</b> |           | SeqNo: <b>2051539</b> |      |          |      |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                        | HighLimit | RPD Ref Val           | %RPD | RPDLimit | Qual |
| Fluoride                    | 0.484  | 0.100                  | 0.5000    | 0                  | 96.8 | 90                              | 110       |                       |      |          |      |
| Chloride                    | 0.725  | 0.200                  | 0.7500    | 0                  | 96.7 | 90                              | 110       |                       |      |          |      |

|                            |        |                        |           |                    |      |                             |                                 |             |                     |                       |      |  |
|----------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|---------------------|-----------------------|------|--|
| Sample ID: <b>MB-47110</b> |        | SampType: <b>MBLK</b>  |           | Units: <b>mg/L</b> |      | Prep Date: <b>3/20/2025</b> |                                 |             | RunNo: <b>98466</b> |                       |      |  |
| Client ID: <b>MBLKW</b>    |        | Batch ID: <b>47110</b> |           |                    |      |                             | Analysis Date: <b>3/20/2025</b> |             |                     | SeqNo: <b>2051540</b> |      |  |
| Analyte                    | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD                | RPDLimit              | Qual |  |
| Fluoride                   | ND     | 0.100                  |           |                    |      |                             |                                 |             |                     |                       |      |  |
| Chloride                   | ND     | 0.200                  |           |                    |      |                             |                                 |             |                     |                       |      |  |

|                                   |        |                        |           |                    |      |                             |                                 |             |                     |                       |      |
|-----------------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|---------------------|-----------------------|------|
| Sample ID: <b>2503372-001ADUP</b> |        | SampType: <b>DUP</b>   |           | Units: <b>mg/L</b> |      | Prep Date: <b>3/20/2025</b> |                                 |             | RunNo: <b>98466</b> |                       |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47110</b> |           |                    |      |                             | Analysis Date: <b>3/20/2025</b> |             |                     | SeqNo: <b>2051554</b> |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD                | RPDLimit              | Qual |
| Fluoride                          | 0.770  | 0.100                  |           |                    |      |                             |                                 | 0.7780      | 1.03                | 20                    |      |
| Chloride                          | 9.18   | 0.200                  |           |                    |      |                             |                                 | 9.204       | 0.207               | 20                    | E    |

|                                  |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2503372-001AMS</b> |        | SampType: <b>MS</b>    |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>3/20/2025</b> |             | RunNo: <b>98466</b>   |          |      |
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47110</b> |           |             | Analysis Date: <b>3/20/2025</b> |          |                             |             | SeqNo: <b>2051555</b> |          |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Fluoride                         | 1.29   | 0.100                  | 0.5000    | 0.7780      | 103                             | 80       | 120                         |             |                       |          |      |
| Chloride                         | 9.80   | 0.200                  | 0.7500    | 9.204       | 79.2                            | 80       | 120                         |             |                       |          | ES   |

**NOTES:**

S - Outlying spike recovery observed. A duplicate analysis was performed and recovered within range.

|                                   |        |                        |           |                    |      |                             |                                 |             |                     |                       |      |
|-----------------------------------|--------|------------------------|-----------|--------------------|------|-----------------------------|---------------------------------|-------------|---------------------|-----------------------|------|
| Sample ID: <b>2503372-001AMSD</b> |        | SampType: <b>MSD</b>   |           | Units: <b>mg/L</b> |      | Prep Date: <b>3/20/2025</b> |                                 |             | RunNo: <b>98466</b> |                       |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47110</b> |           |                    |      |                             | Analysis Date: <b>3/21/2025</b> |             |                     | SeqNo: <b>2051556</b> |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val        | %REC | LowLimit                    | HighLimit                       | RPD Ref Val | %RPD                | RPDLimit              | Qual |
| Fluoride                          | 1.30   | 0.100                  | 0.5000    | 0.7780             | 104  | 80                          | 120                             | 1.294       | 0.154               | 20                    |      |

Work Order: 2503351  
 CLIENT: Friedman & Bruya  
 Project: 503263

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                                   |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|-----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2503372-001AMSD</b> |        | SampType: <b>MSD</b>   |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>3/20/2025</b> |             | RunNo: <b>98466</b>   |          |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47110</b> |           |             | Analysis Date: <b>3/21/2025</b> |          |                             |             | SeqNo: <b>2051556</b> |          |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Chloride                          | 9.81   | 0.200                  | 0.7500    | 9.204       | 80.8                            | 80       | 120                         | 9.798       | 0.122                 | 20       | E    |

|                                   |        |                        |           |             |                                 |          |                             |                       |        |                     |      |  |
|-----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-----------------------|--------|---------------------|------|--|
| Sample ID: <b>2503384-001DDUP</b> |        | SampType: <b>DUP</b>   |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>3/20/2025</b> |                       |        | RunNo: <b>98466</b> |      |  |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47110</b> |           |             | Analysis Date: <b>3/21/2025</b> |          |                             | SeqNo: <b>2051559</b> |        |                     |      |  |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val           | %RPD   | RPDLimit            | Qual |  |
| Fluoride                          | ND     | 0.100                  |           |             |                                 |          |                             | 0                     |        | 20                  |      |  |
| Chloride                          | 7.70   | 0.200                  |           |             |                                 |          |                             | 7.706                 | 0.0389 | 20                  | E    |  |

|                                  |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2503384-001DMS</b> |        | SampType: <b>MS</b>    |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>3/20/2025</b> |             | RunNo: <b>98466</b>   |          |      |
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47110</b> |           |             | Analysis Date: <b>3/21/2025</b> |          |                             |             | SeqNo: <b>2051560</b> |          |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Fluoride                         | 0.520  | 0.100                  | 0.5000    | 0.03300     | 97.4                            | 80       | 120                         |             |                       |          |      |
| Chloride                         | 8.33   | 0.200                  | 0.7500    | 7.706       | 83.5                            | 80       | 120                         |             |                       |          | E    |

Client Name: FB

Work Order Number: 2503351

Logged by: Clare Griggs

Date Received: 3/18/2025 3:00:00 PM

## Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

## Log In

3. Custody Seals present on shipping container/cooler?  
(Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Present ☒
4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all items received at a temperature of >2°C to 6°C \* Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
11. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
12. Does paperwork match bottle labels? Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all hold times (except field parameters, pH e.g.) able to be met? Yes ☒ No ☐

## Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |                      |       |                                                                                                                               |
|----------------------|----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|
| Person Notified:     | <input type="text"/> | Date: | <input type="text"/>                                                                                                          |
| By Whom:             | <input type="text"/> | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <input type="text"/> |       |                                                                                                                               |
| Client Instructions: | <input type="text"/> |       |                                                                                                                               |

17. Additional remarks:

## Item Information

| Item # | Temp °C |
|--------|---------|
| Sample | 4.9     |

\* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

May 8, 2025

Rusty Jones, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Mr Jones:

Included are the results from the testing of material submitted on April 30, 2025 from the Maralco SRI, F&BI 504490 project. There is 1 page included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Grant Hainsworth, Jamie Stevens  
CTC0508R.DOC

FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 30, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Maralco SRI, F&BI 504490 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 504490 -01           | MW14                    |
| 504490 -02           | MW13                    |

The samples were sent to Alliance Technical Group for fluoride and chloride testing. The report is enclosed.

55

Phone 822-390139 Email \_\_\_\_\_

127E

Default: Dispose after 30 days

[illegible]

**Friedman & Bruya, Inc.**  
5500 4th Ave S.  
Seattle WA 98108  
(206) 285-8282  
office@friedmanandbruya.com

| SIGNATURE                                                                                          | PRINT NAME  | COMPANY | DATE      | TIME  |
|----------------------------------------------------------------------------------------------------|-------------|---------|-----------|-------|
| Relinquished by:  | Rusty Jones | CPETE   | 4/30/2025 | 11:25 |
| Received by:     | Nhan Phan   | FCBI    | 4/30/2025 | 11:3  |
| Relinquished by:                                                                                   |             |         |           |       |
| Received by:                                                                                       |             |         |           |       |

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 504490 CLIENT Crete INITIALS/DATE: (NP) 4/30/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 4 °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/Date: (NP) 4/30  
\*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                                                                 |                                           |
|--------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------|
| Sample ID's        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                             | <input type="checkbox"/> Not on COC/label |
| Date Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No                                        | <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>-02 no time on label</u> | <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                             | <input type="checkbox"/> Not on COC/label |
| Relinquished       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                             |                                           |
| Requested analysis | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> On Hold                        |                                           |

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\*            Number of unused TO17 tubes           

\*\*Fill out Green manifolds billing sheet



3600 Fremont Ave N

Seattle, WA 98103

T: (206) 352-3790

F: (206) 352-7178

info@fremontanalytical.com

**Friedman & Bruya**

Michael Erdahl

5500 4th Ave S

Seattle, WA 98108

**RE: 504490,**

**Work Order Number: 2504720**

May 07, 2025

**Attention Michael Erdahl:**

Alliance Technical Group, LLC - Seattle received 2 sample(s) on 4/30/2025 for the analyses presented in the following report.

***Ion Chromatography by EPA 300.0***

All analyses were performed according to our accredited Quality Assurance program. Please contact the laboratory if you should have any questions about the results.

Alliance Technical Group is committed to accuracy, speed, and customer service. Thank you for choosing Alliance Technical Group's Seattle laboratory team for your analytical needs. We appreciate this opportunity to serve you!

Sincerely,

A handwritten signature in blue ink that reads "Kelley Lovejoy". The signature is written in a cursive, flowing style.

Kelley Lovejoy

Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing  
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing  
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910



Original

[www.fremontanalytical.com](http://www.fremontanalytical.com)



Date: 05/07/2025

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**CLIENT:** Friedman & Bruya  
**Project:** 504490  
**Work Order:** 2504720

---

## Work Order Sample Summary

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| Lab Sample ID | Client Sample ID | Date/Time Collected | Date/Time Received |
|---------------|------------------|---------------------|--------------------|
| 2504720-001   | MW14             | 04/30/2025 12:00 AM | 04/30/2025 3:00 PM |
| 2504720-002   | MW13             | 04/30/2025 12:00 AM | 04/30/2025 3:00 PM |

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

---

**CLIENT:** Friedman & Bruya

**Project:** 504490

---

**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

### Qualifiers:

- \* - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

### Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate

**CLIENT:** Friedman & Bruya  
**Project:** 504490

**Lab ID:** 2504720-001  
**Client Sample ID:** MW14

**Collection Date:** 4/30/2025  
**Matrix:** Water

| Analyses                                      | Result | RL    | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|-------|------|-----------------|----|-----------------------|
| <b><u>Ion Chromatography by EPA 300.0</u></b> |        |       |      | Batch ID: 47573 |    | Analyst: OP           |
| Fluoride                                      | 0.100  | 0.100 |      | mg/L            | 1  | 4/30/2025 10:31:00 PM |
| Chloride                                      | 4.79   | 0.200 |      | mg/L            | 1  | 4/30/2025 10:31:00 PM |

**Lab ID:** 2504720-002  
**Client Sample ID:** MW13

**Collection Date:** 4/30/2025  
**Matrix:** Water

| Analyses                                      | Result | RL    | Qual | Units           | DF | Date Analyzed         |
|-----------------------------------------------|--------|-------|------|-----------------|----|-----------------------|
| <b><u>Ion Chromatography by EPA 300.0</u></b> |        |       |      | Batch ID: 47573 |    | Analyst: OP           |
| Fluoride                                      | 0.109  | 0.100 |      | mg/L            | 1  | 4/30/2025 10:54:00 PM |
| Chloride                                      | 2.48   | 0.200 |      | mg/L            | 1  | 4/30/2025 10:54:00 PM |

**Work Order:** 2504720  
**CLIENT:** Friedman & Bruya  
**Project:** 504490

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                            |                        |                    |           |             |                             |                                 |           |             |                     |                       |      |  |
|----------------------------|------------------------|--------------------|-----------|-------------|-----------------------------|---------------------------------|-----------|-------------|---------------------|-----------------------|------|--|
| Sample ID: <b>MB-47573</b> | SampType: <b>MBLK</b>  | Units: <b>mg/L</b> |           |             | Prep Date: <b>4/30/2025</b> |                                 |           |             | RunNo: <b>99402</b> |                       |      |  |
| Client ID: <b>MBLKW</b>    | Batch ID: <b>47573</b> |                    |           |             |                             | Analysis Date: <b>4/30/2025</b> |           |             |                     | SeqNo: <b>2070337</b> |      |  |
| Analyte                    | Result                 | RL                 | SPK value | SPK Ref Val | %REC                        | LowLimit                        | HighLimit | RPD Ref Val | %RPD                | RPDLimit              | Qual |  |
| Fluoride                   | ND                     | 0.100              |           |             |                             |                                 |           |             |                     |                       |      |  |
| Chloride                   | ND                     | 0.200              |           |             |                             |                                 |           |             |                     |                       |      |  |

|                             |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|-----------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>LCS-47573</b> |        | SampType: <b>LCS</b>   |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>4/30/2025</b> |             | RunNo: <b>99402</b>   |          |      |
| Client ID: <b>LCSW</b>      |        | Batch ID: <b>47573</b> |           |             | Analysis Date: <b>4/30/2025</b> |          |                             |             | SeqNo: <b>2070338</b> |          |      |
| Analyte                     | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Fluoride                    | 0.477  | 0.100                  | 0.5000    | 0           | 95.4                            | 90       | 110                         |             |                       |          |      |
| Chloride                    | 0.720  | 0.200                  | 0.7500    | 0           | 96.0                            | 90       | 110                         |             |                       |          |      |

|                                   |                        |                    |           |             |                                 |          |           |                       |       |          |      |
|-----------------------------------|------------------------|--------------------|-----------|-------------|---------------------------------|----------|-----------|-----------------------|-------|----------|------|
| Sample ID: <b>2504714-001ADUP</b> | SampType: <b>DUP</b>   | Units: <b>mg/L</b> |           |             | Prep Date: <b>4/30/2025</b>     |          |           | RunNo: <b>99402</b>   |       |          |      |
| Client ID: <b>BATCH</b>           | Batch ID: <b>47573</b> |                    |           |             | Analysis Date: <b>4/30/2025</b> |          |           | SeqNo: <b>2070340</b> |       |          |      |
| Analyte                           | Result                 | RL                 | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit | RPD Ref Val           | %RPD  | RPDLimit | Qual |
| Fluoride                          | 0.162                  | 0.100              |           |             |                                 |          |           | 0.1630                | 0.615 | 20       |      |
| Chloride                          | 4.43                   | 0.200              |           |             |                                 |          |           | 4.416                 | 0.271 | 20       |      |

|                                  |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2504714-001AMS</b> |        | SampType: <b>MS</b>    |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>4/30/2025</b> |             | RunNo: <b>99402</b>   |          |      |
| Client ID: <b>BATCH</b>          |        | Batch ID: <b>47573</b> |           |             | Analysis Date: <b>4/30/2025</b> |          |                             |             | SeqNo: <b>2070341</b> |          |      |
| Analyte                          | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Fluoride                         | 0.630  | 0.100                  | 0.5000    | 0.1630      | 93.4                            | 80       | 120                         |             |                       |          |      |
| Chloride                         | 4.96   | 0.200                  | 0.7500    | 4.416       | 72.4                            | 80       | 120                         |             |                       |          | S    |

**NOTES:**

S - Outlying spike recovery observed. A duplicate analysis was performed and recovered within range.

|                                   |        |                        |           |             |                                 |          |                             |             |                       |          |      |
|-----------------------------------|--------|------------------------|-----------|-------------|---------------------------------|----------|-----------------------------|-------------|-----------------------|----------|------|
| Sample ID: <b>2504714-001AMSD</b> |        | SampType: <b>MSD</b>   |           |             | Units: <b>mg/L</b>              |          | Prep Date: <b>4/30/2025</b> |             | RunNo: <b>99402</b>   |          |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47573</b> |           |             | Analysis Date: <b>4/30/2025</b> |          |                             |             | SeqNo: <b>2070342</b> |          |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val | %REC                            | LowLimit | HighLimit                   | RPD Ref Val | %RPD                  | RPDLimit | Qual |
| Fluoride                          | 0.655  | 0.100                  | 0.5000    | 0.1630      | 98.4                            | 80       | 120                         | 0.6300      | 3.89                  | 20       |      |

Work Order: 2504720  
 CLIENT: Friedman & Bruya  
 Project: 504490

## QC SUMMARY REPORT

### Ion Chromatography by EPA 300.0

|                                   |        |                        |           |                                 |      |                             |                       |             |                     |          |      |
|-----------------------------------|--------|------------------------|-----------|---------------------------------|------|-----------------------------|-----------------------|-------------|---------------------|----------|------|
| Sample ID: <b>2504714-001AMSD</b> |        | SampType: <b>MSD</b>   |           | Units: <b>mg/L</b>              |      | Prep Date: <b>4/30/2025</b> |                       |             | RunNo: <b>99402</b> |          |      |
| Client ID: <b>BATCH</b>           |        | Batch ID: <b>47573</b> |           | Analysis Date: <b>4/30/2025</b> |      |                             | SeqNo: <b>2070342</b> |             |                     |          |      |
| Analyte                           | Result | RL                     | SPK value | SPK Ref Val                     | %REC | LowLimit                    | HighLimit             | RPD Ref Val | %RPD                | RPDLimit | Qual |
| Chloride                          | 5.18   | 0.200                  | 0.7500    | 4.416                           | 102  | 80                          | 120                   | 4.959       | 4.44                | 20       |      |

Client Name: FB

Work Order Number: 2504720

Logged by: Morgan Wilson

Date Received: 4/30/2025 3:00:00 PM

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Custody Seals present on shipping container/cooler?  
(Refer to comments for Custody Seals not intact) Yes ☐ No ☐ Not Present ☒
4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all items received at a temperature of >2°C to 6°C \* Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
11. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
12. Does paperwork match bottle labels? Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all hold times (except field parameters, pH e.g.) able to be met? Yes ☒ No ☐

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

|                      |                      |       |                                                                                                                               |
|----------------------|----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------|
| Person Notified:     | <input type="text"/> | Date: | <input type="text"/>                                                                                                          |
| By Whom:             | <input type="text"/> | Via:  | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding:           | <input type="text"/> |       |                                                                                                                               |
| Client Instructions: | <input type="text"/> |       |                                                                                                                               |

17. Additional remarks:

### Item Information

| Item # | Temp °C |
|--------|---------|
| Sample | 3.6     |

\* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

April 24, 2025

Rusty Jones, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Mr Jones:

Included are the results from the testing of material submitted on April 21, 2025 from the Maralco Property, F&BI 504336 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Grant Hainsworth, Jamie Stevens  
CTC0424R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 21, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Maralco Property, F&BI 504336 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 504336 -01           | OSA-03S-SW1             |
| 504336 -02           | OSA-03S-SW2             |
| 504336 -03           | OSA-03S-B3              |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/21/25

Project: Maralco Property, F&BI 504336

Date Extracted: 04/22/25

Date Analyzed: 04/23/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES11  
USING EPA METHOD 8021B GC11**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl<br/>Benzene</u> | <u>Total<br/>Xylenes</u> | <u>Surrogate<br/>(% Recovery)</u><br>(Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|-----------------------------------------------------|
| OSA-03S-SW2<br>504336-02          | <0.02          | <0.02          | 0.034                    | 0.20                     | 115                                                 |
| Method Blank<br>05-925 MB         | <0.02          | <0.02          | <0.02                    | <0.06                    | 115                                                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/21/25

Project: Maralco Property, F&BI 504336

Date Extracted: 04/21/25

Date Analyzed: 04/21/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-D<sub>x</sub>**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | Surrogate<br>(% Recovery)<br>(Limit 50-150) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------|
| OSA-03S-SW1<br>504336-01          | <50                                                        | <250                                                          | 103                                         |
| OSA-03S-SW2<br>504336-02          | 530                                                        | <250                                                          | 105                                         |
| OSA-03S-B3<br>504336-03           | <50                                                        | <250                                                          | 102                                         |
| Method Blank<br>05-988 MB         | <50                                                        | <250                                                          | 108                                         |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E SIM

|                   |                        |             |                               |
|-------------------|------------------------|-------------|-------------------------------|
| Client Sample ID: | OSA-03S-SW2            | Client:     | Crete Consulting              |
| Date Received:    | 04/21/25               | Project:    | Maralco Property, F&BI 504336 |
| Date Extracted:   | 04/23/25               | Lab ID:     | 504336-02                     |
| Date Analyzed:    | 04/23/25               | Data File:  | 042314.D                      |
| Matrix:           | Soil                   | Instrument: | GCMS14                        |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | DBA                           |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Anthracene-d10        | 106         | 50           | 150          |
| Benz(a)anthracene-d12 | 108         | 50           | 150          |

| Compounds:             | Concentration<br>mg/kg (ppm) |
|------------------------|------------------------------|
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.005                       |
| 1-Methylnaphthalene    | <0.005                       |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.005                       |
| Benzo(a)pyrene         | <0.005                       |
| Benzo(b)fluoranthene   | <0.005                       |
| Benzo(k)fluoranthene   | <0.005                       |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E SIM

|                   |                        |             |                               |
|-------------------|------------------------|-------------|-------------------------------|
| Client Sample ID: | Method Blank           | Client:     | Crete Consulting              |
| Date Received:    | Not Applicable         | Project:    | Maralco Property, F&BI 504336 |
| Date Extracted:   | 04/23/25               | Lab ID:     | 05-0994 mb                    |
| Date Analyzed:    | 04/23/25               | Data File:  | 042308.D                      |
| Matrix:           | Soil                   | Instrument: | GCMS14                        |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | DBA                           |

|                       |             |              |              |
|-----------------------|-------------|--------------|--------------|
| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
| Anthracene-d10        | 112         | 50           | 150          |
| Benz(a)anthracene-d12 | 100         | 50           | 150          |

|                        |                              |
|------------------------|------------------------------|
| Compounds:             | Concentration<br>mg/kg (ppm) |
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.005                       |
| 1-Methylnaphthalene    | <0.005                       |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.005                       |
| Benzo(a)pyrene         | <0.005                       |
| Benzo(b)fluoranthene   | <0.005                       |
| Benzo(k)fluoranthene   | <0.005                       |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/21/25

Project: Maralco Property, F&BI 504336

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE,  
AND XYLENES  
USING EPA METHOD 8021B**

Laboratory Code: 504278-01 (Duplicate)

| Analyte      | Reporting<br>Units | Sample<br>Result<br>(Wet Wt) | Duplicate<br>Result<br>(Wet Wt) | RPD<br>(Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene      | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Toluene      | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Ethylbenzene | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Xylenes      | mg/kg (ppm)        | <0.06                        | <0.06                           | nm                |

Laboratory Code: Laboratory Control Sample

| Analyte      | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene      | mg/kg (ppm)        | 1.0            | 81                         | 70-130                 |
| Toluene      | mg/kg (ppm)        | 1.0            | 81                         | 70-130                 |
| Ethylbenzene | mg/kg (ppm)        | 1.0            | 85                         | 70-130                 |
| Xylenes      | mg/kg (ppm)        | 3.0            | 90                         | 70-130                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/21/25

Project: Maralco Property, F&BI 504336

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL EXTENDED USING METHOD NWTPH-D<sub>x</sub>**

Laboratory Code: 504329-01 (Matrix Spike)

| Analyte         | Reporting<br>Units | Spike<br>Level | (Wet wt)<br>Sample<br>Result | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | 850                          | 91                        | 81                         | 64-136                 | 12                |

Laboratory Code: Laboratory Control Sample

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|-----------------|--------------------|----------------|----------------------------|------------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | 90                         | 78-121                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/21/25

Project: Maralco Property, F&BI 504336

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL  
SAMPLES FOR PAHS BY EPA METHOD 8270E SIM**

Laboratory Code: 504336-02 (Matrix Spike)

| Analyte                | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|------------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Naphthalene            | mg/kg (ppm)        | 0.5            | <0.005                       | 100                       | 92                         | 50-150                 | 8                 |
| 2-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | <0.005                       | 99                        | 92                         | 50-150                 | 7                 |
| 1-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | <0.005                       | 101                       | 93                         | 50-150                 | 8                 |
| Benz(a)anthracene      | mg/kg (ppm)        | 0.5            | <0.005                       | 105                       | 105                        | 50-150                 | 0                 |
| Chrysene               | mg/kg (ppm)        | 0.5            | <0.005                       | 99                        | 99                         | 50-150                 | 0                 |
| Benzo(b)fluoranthene   | mg/kg (ppm)        | 0.5            | <0.005                       | 92                        | 94                         | 10-187                 | 2                 |
| Benzo(k)fluoranthene   | mg/kg (ppm)        | 0.5            | <0.005                       | 107                       | 108                        | 47-148                 | 1                 |
| Benzo(a)pyrene         | mg/kg (ppm)        | 0.5            | <0.005                       | 94                        | 93                         | 33-158                 | 1                 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm)        | 0.5            | <0.005                       | 89                        | 80                         | 50-150                 | 11                |
| Dibenz(a,h)anthracene  | mg/kg (ppm)        | 0.5            | <0.005                       | 88                        | 75                         | 50-150                 | 16                |

Laboratory Code: Laboratory Control Sample

| Analyte                | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|------------------------|--------------------|----------------|----------------------------|------------------------|
| Naphthalene            | mg/kg (ppm)        | 0.5            | 101                        | 64-124                 |
| 2-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | 91                         | 63-118                 |
| 1-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | 93                         | 62-122                 |
| Benz(a)anthracene      | mg/kg (ppm)        | 0.5            | 98                         | 67-122                 |
| Chrysene               | mg/kg (ppm)        | 0.5            | 98                         | 70-130                 |
| Benzo(b)fluoranthene   | mg/kg (ppm)        | 0.5            | 99                         | 70-130                 |
| Benzo(k)fluoranthene   | mg/kg (ppm)        | 0.5            | 100                        | 70-130                 |
| Benzo(a)pyrene         | mg/kg (ppm)        | 0.5            | 92                         | 62-113                 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm)        | 0.5            | 100                        | 65-130                 |
| Dibenz(a,h)anthracene  | mg/kg (ppm)        | 0.5            | 98                         | 61-133                 |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### **Data Qualifiers & Definitions**

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

04/21/25 VS A1/A1

—

TURNAROUND TIME

☐ Standard turnaround  
☒ RUSH \_\_\_\_\_

## SAMPLE DISCOUNT

☐ Archive samples

☐ Other

☐ **Default:** Dispose after 30 d

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| SIGNATURE        |          | PRINT NAME                   |  | COMPANY          |  | DATE      |  | TIME  |  |
|------------------|----------|------------------------------|--|------------------|--|-----------|--|-------|--|
| Relinquished by: |          |                              |  |                  |  |           |  |       |  |
| Received by:     | K. Jones | <del>CRETE</del> Rusty Jones |  | <del>CRETE</del> |  | 4/21/2005 |  | 11:35 |  |
| Relinquished by: | AK       | Andre Phuran                 |  | FB I             |  | 4/21/85   |  | 11:35 |  |
| Received by:     |          |                              |  |                  |  |           |  |       |  |

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 504336 CLIENT Crete INITIALS/ AP  
DATE: 4/21/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature \_\_\_\_\_ °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/ AP  
\*or other representative documents, letters, and/or shipping memos Date: 4/21/25

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                               |                                                 |
|--------------------|---------------------------------------------------------------|-------------------------------------------------|
| Sample ID's        | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ <input type="checkbox"/> Not on COC/label |
| Date Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____ <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____                                           |
| Relinquished       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | _____                                           |
| Requested analysis | <input type="checkbox"/> Yes <input type="checkbox"/> On Hold | _____                                           |

Other comments (use a separate page if needed)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\* \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

\*\*Fill out Green manifolds billing sheet

FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

April 24, 2025

Grant Hainsworth, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Mr Hainsworth:

Included are the results from the testing of material submitted on April 17, 2025 from the Bridge Maralco, F&BI 504278 project. There are 9 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Rusty Jones, Jamie Stevens  
CTC0424R.DOC

## FRIEDMAN & BRUYA, INC.

### ENVIRONMENTAL CHEMISTS

#### CASE NARRATIVE

This case narrative encompasses samples received on April 17, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Bridge Maralco, F&BI 504278 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 504278 -01           | OSA-03N-WSW             |
| 504278 -02           | OSA-03N-ESW             |
| 504278 -03           | OSA-03N-B               |
| 504278 -04           | OSA-03S-B               |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/17/25

Project: Bridge Maralco, F&BI 504278

Date Extracted: 04/22/25

Date Analyzed: 04/22/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES  
USING EPA METHOD 8021B**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl<br/>Benzene</u> | <u>Total<br/>Xylenes</u> | <u>Surrogate<br/>(% Recovery)</u><br>(Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|-----------------------------------------------------|
| OSA-03N-WSW<br>504278-01          | <0.02          | <0.02          | <0.02                    | <0.06                    | 110                                                 |
| Method Blank<br>05-925 MB         | <0.02          | <0.02          | <0.02                    | <0.06                    | 115                                                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/17/25

Project: Bridge Maralco, F&BI 504278

Date Extracted: 04/17/25

Date Analyzed: 04/17/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | <u>Surrogate</u><br><u>(% Recovery)</u><br>(Limit 50-150) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|
| OSA-03N-WSW<br>504278-01          | 130                                                        | <250                                                          | 111                                                       |
| OSA-03N-ESW<br>504278-02          | <50                                                        | <250                                                          | 110                                                       |
| OSA-03N-B<br>504278-03            | 97                                                         | <250                                                          | 109                                                       |
| OSA-03S-B<br>504278-04            | 3,800                                                      | <250                                                          | 116                                                       |
| Method Blank<br>05-917 MB         | <50                                                        | <250                                                          | 109                                                       |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E SIM

|                   |                        |             |                             |
|-------------------|------------------------|-------------|-----------------------------|
| Client Sample ID: | OSA-03N-WSW            | Client:     | Crete Consulting            |
| Date Received:    | 04/17/25               | Project:    | Bridge Maralco, F&BI 504278 |
| Date Extracted:   | 04/21/25               | Lab ID:     | 504278-01                   |
| Date Analyzed:    | 04/21/25               | Data File:  | 042128.D                    |
| Matrix:           | Soil                   | Instrument: | GCMS14                      |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | DBA                         |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Anthracene-d10        | 100         | 50           | 150          |
| Benz(a)anthracene-d12 | 102         | 50           | 150          |

| Compounds:             | Concentration<br>mg/kg (ppm) |
|------------------------|------------------------------|
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.005                       |
| 1-Methylnaphthalene    | 0.0052                       |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.005                       |
| Benzo(a)pyrene         | <0.005                       |
| Benzo(b)fluoranthene   | <0.005                       |
| Benzo(k)fluoranthene   | <0.005                       |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E SIM

|                   |                        |             |                             |
|-------------------|------------------------|-------------|-----------------------------|
| Client Sample ID: | Method Blank           | Client:     | Crete Consulting            |
| Date Received:    | Not Applicable         | Project:    | Bridge Maralco, F&BI 504278 |
| Date Extracted:   | 04/21/25               | Lab ID:     | 05-0991 mb                  |
| Date Analyzed:    | 04/21/25               | Data File:  | 042118.D                    |
| Matrix:           | Soil                   | Instrument: | GCMS14                      |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | DBA                         |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Anthracene-d10        | 102         | 50           | 150          |
| Benz(a)anthracene-d12 | 99          | 50           | 150          |

| Compounds:             | Concentration<br>mg/kg (ppm) |
|------------------------|------------------------------|
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.005                       |
| 1-Methylnaphthalene    | <0.005                       |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.005                       |
| Benzo(a)pyrene         | <0.005                       |
| Benzo(b)fluoranthene   | <0.005                       |
| Benzo(k)fluoranthene   | <0.005                       |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/17/25

Project: Bridge Maralco, F&BI 504278

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE,  
AND XYLENES  
USING EPA METHOD 8021B**

Laboratory Code: 504278-01 (Duplicate)

| Analyte      | Reporting<br>Units | Sample<br>Result<br>(Wet Wt) | Duplicate<br>Result<br>(Wet Wt) | RPD<br>(Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene      | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Toluene      | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Ethylbenzene | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Xylenes      | mg/kg (ppm)        | <0.06                        | <0.06                           | nm                |

Laboratory Code: Laboratory Control Sample

| Analyte      | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene      | mg/kg (ppm)        | 1.0            | 81                         | 70-130                 |
| Toluene      | mg/kg (ppm)        | 1.0            | 81                         | 70-130                 |
| Ethylbenzene | mg/kg (ppm)        | 1.0            | 85                         | 70-130                 |
| Xylenes      | mg/kg (ppm)        | 3.0            | 90                         | 70-130                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/17/25

Project: Bridge Maralco, F&BI 504278

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL EXTENDED USING METHOD NWTPH-D<sub>x</sub>**

Laboratory Code: 504257-03 (Matrix Spike)

| Analyte         | Reporting<br>Units | Spike<br>Level | (Wet wt)<br>Sample<br>Result | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | <50                          | 108                       | 112                        | 64-136                 | 4                 |

Laboratory Code: Laboratory Control Sample

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|-----------------|--------------------|----------------|----------------------------|------------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | 106                        | 78-121                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/24/25

Date Received: 04/17/25

Project: Bridge Maralco, F&BI 504278

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL  
SAMPLES FOR PAHS BY EPA METHOD 8270E SIM**

Laboratory Code: 504290-02 (Matrix Spike)

| Analyte                | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|------------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Naphthalene            | mg/kg (ppm)        | 0.5            | <0.005                       | 95                        | 87                         | 50-150                 | 9                 |
| 2-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | <0.005                       | 89                        | 89                         | 50-150                 | 0                 |
| 1-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | <0.005                       | 90                        | 90                         | 50-150                 | 0                 |
| Benz(a)anthracene      | mg/kg (ppm)        | 0.5            | <0.005                       | 89                        | 91                         | 50-150                 | 2                 |
| Chrysene               | mg/kg (ppm)        | 0.5            | <0.005                       | 92                        | 95                         | 50-150                 | 3                 |
| Benzo(b)fluoranthene   | mg/kg (ppm)        | 0.5            | <0.005                       | 81                        | 82                         | 10-187                 | 1                 |
| Benzo(k)fluoranthene   | mg/kg (ppm)        | 0.5            | <0.005                       | 93                        | 97                         | 47-148                 | 4                 |
| Benzo(a)pyrene         | mg/kg (ppm)        | 0.5            | <0.005                       | 82                        | 84                         | 33-158                 | 2                 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm)        | 0.5            | <0.005                       | 80                        | 88                         | 50-150                 | 10                |
| Dibenz(a,h)anthracene  | mg/kg (ppm)        | 0.5            | <0.005                       | 77                        | 85                         | 50-150                 | 10                |

Laboratory Code: Laboratory Control Sample

| Analyte                | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|------------------------|--------------------|----------------|----------------------------|------------------------|
| Naphthalene            | mg/kg (ppm)        | 0.5            | 87                         | 64-124                 |
| 2-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | 88                         | 63-118                 |
| 1-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | 89                         | 62-122                 |
| Benz(a)anthracene      | mg/kg (ppm)        | 0.5            | 93                         | 67-122                 |
| Chrysene               | mg/kg (ppm)        | 0.5            | 95                         | 70-130                 |
| Benzo(b)fluoranthene   | mg/kg (ppm)        | 0.5            | 86                         | 70-130                 |
| Benzo(k)fluoranthene   | mg/kg (ppm)        | 0.5            | 96                         | 70-130                 |
| Benzo(a)pyrene         | mg/kg (ppm)        | 0.5            | 87                         | 62-113                 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm)        | 0.5            | 86                         | 65-130                 |
| Dibenz(a,h)anthracene  | mg/kg (ppm)        | 0.5            | 83                         | 61-133                 |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### **Data Qualifiers & Definitions**

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY 04/17/25 VS A1/A2

Company CRETE CONSULTING

City, State, ZIP \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

TURNAROUND TIME

**SAMPLE DISPOSAL**  
☐ Archive samples

Default: Dispose after 30 days

[illegible]

(206) 285-8282  
office@friedmanandbrya.com

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 504278

CLIENT Crete

INITIALS/ NT  
DATE: 4/17/25

If custody seals are present on cooler, are they intact?

☒ NA ☐ YES ☐ NO

Cooler/Sample temperature

19 °C

Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs?

☒ YES ☐ NO

How did samples arrive?

☒ Over the Counter

☐ Picked up by F&BI

☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)?

☒ YES ☐ NO

\*or other representative documents, letters, and/or shipping memos

Initials/ AP  
Date: 4/17/25

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below)

☐ YES ☒ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below)

☒ YES ☐ NO

Were appropriate sample containers used?

☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact?

☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free?

☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label? (explain "no" answer below)

Sample ID's ☒ Yes ☐ No ☐ Not on COC/label

Date Sampled ☒ Yes ☐ No ☐ Not on COC/label

Time Sampled ☐ Yes ☒ No ☐ Not on COC/label

# of Containers ☒ Yes ☐ No

Relinquished ☒ Yes ☐ No

Requested analysis ☒ Yes ☐ On Hold

Other comments (use a separate page if needed)

Time on labels 12: 05 for OSA-03N-B(-03A → F) & 11:55 for OSA-03S-B(-04A → F)

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\*            Number of unused TO17 tubes           

\*\*Fill out Green manifolds billing sheet

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

April 10, 2025

Jamie Stevens, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Ms Stevens:

Included are the results from the testing of material submitted on April 4, 2025 from the Bridge Maralco, F&BI 504095 project. There are 10 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Rusty Jones, Grant Hainsworth  
CTC0410R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 4, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Bridge Maralco, F&BI 504095 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 504095 -01           | OAS-03B                 |
| 504095 -02           | OAS-03SW                |
| 504095 -03           | OAS-04                  |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/04/25

Project: Bridge Maralco, F&BI 504095

Date Extracted: 04/09/25

Date Analyzed: 04/09/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE,  
XYLENES AND TPH AS GASOLINE  
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl<br/>Benzene</u> | <u>Total<br/>Xylenes</u> | <u>Gasoline<br/>Range</u> | <u>Surrogate<br/>(% Recovery)</u><br>(Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|-----------------------------------------------------|
| OAS-03B<br>504095-01              | <0.02          | <0.02          | <0.02                    | <0.06                    | <5                        | 84                                                  |
| OAS-04<br>504095-03               | <0.02          | <0.02          | <0.02                    | <0.06                    | <5                        | 83                                                  |
| Method Blank<br>05-678 MB         | <0.02          | <0.02          | <0.02                    | <0.06                    | <5                        | 73                                                  |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/04/25

Project: Bridge Maralco, F&BI 504095

Date Extracted: 04/07/25

Date Analyzed: 04/07/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-D<sub>x</sub>**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | Surrogate<br>(% Recovery)<br>(Limit 50-150) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------|
| OAS-03B<br>504095-01              | <50                                                        | <250                                                          | 107                                         |
| OAS-03SW<br>504095-02             | 13,000                                                     | 650 x                                                         | 134                                         |
| OAS-04<br>504095-03               | <50                                                        | <250                                                          | 108                                         |
| Method Blank<br>05-833 MB         | <50                                                        | <250                                                          | 110                                         |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E SIM

|                   |                        |             |                             |
|-------------------|------------------------|-------------|-----------------------------|
| Client Sample ID: | OAS-03B                | Client:     | Crete Consulting            |
| Date Received:    | 04/04/25               | Project:    | Bridge Maralco, F&BI 504095 |
| Date Extracted:   | 04/08/25               | Lab ID:     | 504095-01                   |
| Date Analyzed:    | 04/09/25               | Data File:  | 040836.D                    |
| Matrix:           | Soil                   | Instrument: | GCMS14                      |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | DBA                         |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Anthracene-d10        | 105         | 50           | 150          |
| Benz(a)anthracene-d12 | 100         | 50           | 150          |

| Compounds:             | Concentration<br>mg/kg (ppm) |
|------------------------|------------------------------|
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.005                       |
| 1-Methylnaphthalene    | <0.005                       |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.005                       |
| Benzo(a)pyrene         | <0.005                       |
| Benzo(b)fluoranthene   | <0.005                       |
| Benzo(k)fluoranthene   | <0.005                       |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E SIM

|                   |                        |             |                             |
|-------------------|------------------------|-------------|-----------------------------|
| Client Sample ID: | OAS-04                 | Client:     | Crete Consulting            |
| Date Received:    | 04/04/25               | Project:    | Bridge Maralco, F&BI 504095 |
| Date Extracted:   | 04/08/25               | Lab ID:     | 504095-03                   |
| Date Analyzed:    | 04/09/25               | Data File:  | 040837.D                    |
| Matrix:           | Soil                   | Instrument: | GCMS14                      |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | DBA                         |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Anthracene-d10        | 108         | 50           | 150          |
| Benz(a)anthracene-d12 | 97          | 50           | 150          |

| Compounds:             | Concentration<br>mg/kg (ppm) |
|------------------------|------------------------------|
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.005                       |
| 1-Methylnaphthalene    | <0.005                       |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.005                       |
| Benzo(a)pyrene         | <0.005                       |
| Benzo(b)fluoranthene   | <0.005                       |
| Benzo(k)fluoranthene   | <0.005                       |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E SIM

|                   |                        |             |                             |
|-------------------|------------------------|-------------|-----------------------------|
| Client Sample ID: | Method Blank           | Client:     | Crete Consulting            |
| Date Received:    | Not Applicable         | Project:    | Bridge Maralco, F&BI 504095 |
| Date Extracted:   | 04/08/25               | Lab ID:     | 05-0838 mb                  |
| Date Analyzed:    | 04/08/25               | Data File:  | 040824.D                    |
| Matrix:           | Soil                   | Instrument: | GCMS14                      |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | DBA                         |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Anthracene-d10        | 96          | 50           | 150          |
| Benz(a)anthracene-d12 | 101         | 50           | 150          |

| Compounds:             | Concentration<br>mg/kg (ppm) |
|------------------------|------------------------------|
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.005                       |
| 1-Methylnaphthalene    | <0.005                       |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.005                       |
| Benzo(a)pyrene         | <0.005                       |
| Benzo(b)fluoranthene   | <0.005                       |
| Benzo(k)fluoranthene   | <0.005                       |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/04/25

Project: Bridge Maralco, F&BI 504095

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE,  
XYLENES, AND TPH AS GASOLINE  
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 504095-03 (Duplicate)

| Analyte      | Reporting<br>Units | Sample<br>Result<br>(Wet Wt) | Duplicate<br>Result<br>(Wet Wt) | RPD<br>(Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene      | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Toluene      | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Ethylbenzene | mg/kg (ppm)        | <0.02                        | <0.02                           | nm                |
| Xylenes      | mg/kg (ppm)        | <0.06                        | <0.06                           | nm                |
| Gasoline     | mg/kg (ppm)        | <5                           | <5                              | nm                |

Laboratory Code: Laboratory Control Sample

| Analyte      | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene      | mg/kg (ppm)        | 1.0            | 96                         | 70-130                 |
| Toluene      | mg/kg (ppm)        | 1.0            | 98                         | 70-130                 |
| Ethylbenzene | mg/kg (ppm)        | 1.0            | 95                         | 70-130                 |
| Xylenes      | mg/kg (ppm)        | 3.0            | 93                         | 70-130                 |
| Gasoline     | mg/kg (ppm)        | 40             | 95                         | 70-130                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/04/25

Project: Bridge Maralco, F&BI 504095

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL EXTENDED USING METHOD NWTPH-D<sub>x</sub>**

Laboratory Code: 504095-01 (Matrix Spike)

| Analyte         | Reporting<br>Units | Spike<br>Level | (Wet wt)<br>Sample<br>Result | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | <50                          | 96                        | 100                        | 64-136                 | 4                 |

Laboratory Code: Laboratory Control Sample

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|-----------------|--------------------|----------------|----------------------------|------------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | 94                         | 78-121                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/04/25

Project: Bridge Maralco, F&BI 504095

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL  
SAMPLES FOR PAHS BY EPA METHOD 8270E SIM**

Laboratory Code: 504049-12 (Matrix Spike)

| Analyte                | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|------------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Naphthalene            | mg/kg (ppm)        | 0.5            | <0.005                       | 94                        | 94                         | 50-150                 | 0                 |
| 2-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | <0.005                       | 95                        | 93                         | 50-150                 | 2                 |
| 1-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | <0.005                       | 96                        | 94                         | 50-150                 | 2                 |
| Benz(a)anthracene      | mg/kg (ppm)        | 0.5            | <0.005                       | 102                       | 102                        | 50-150                 | 0                 |
| Chrysene               | mg/kg (ppm)        | 0.5            | <0.005                       | 98                        | 100                        | 50-150                 | 2                 |
| Benzo(b)fluoranthene   | mg/kg (ppm)        | 0.5            | <0.005                       | 98                        | 98                         | 10-187                 | 0                 |
| Benzo(k)fluoranthene   | mg/kg (ppm)        | 0.5            | <0.005                       | 105                       | 109                        | 47-148                 | 4                 |
| Benzo(a)pyrene         | mg/kg (ppm)        | 0.5            | <0.005                       | 95                        | 94                         | 33-158                 | 1                 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm)        | 0.5            | <0.005                       | 102                       | 88                         | 50-150                 | 15                |
| Dibenz(a,h)anthracene  | mg/kg (ppm)        | 0.5            | <0.005                       | 98                        | 85                         | 50-150                 | 14                |

Laboratory Code: Laboratory Control Sample

| Analyte                | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|------------------------|--------------------|----------------|----------------------------|------------------------|
| Naphthalene            | mg/kg (ppm)        | 0.5            | 93                         | 64-124                 |
| 2-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | 97                         | 63-118                 |
| 1-Methylnaphthalene    | mg/kg (ppm)        | 0.5            | 96                         | 62-122                 |
| Benz(a)anthracene      | mg/kg (ppm)        | 0.5            | 100                        | 67-122                 |
| Chrysene               | mg/kg (ppm)        | 0.5            | 97                         | 70-130                 |
| Benzo(b)fluoranthene   | mg/kg (ppm)        | 0.5            | 95                         | 70-130                 |
| Benzo(k)fluoranthene   | mg/kg (ppm)        | 0.5            | 104                        | 70-130                 |
| Benzo(a)pyrene         | mg/kg (ppm)        | 0.5            | 93                         | 62-113                 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm)        | 0.5            | 104                        | 65-130                 |
| Dibenz(a,h)anthracene  | mg/kg (ppm)        | 0.5            | 98                         | 61-133                 |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### **Data Qualifiers & Definitions**

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

504095

## SAMPLE CHAIN OF CUSTODY

04/04/05

VSA1/A1

Report To Jamie Grant, InshtyCompany Crete Consulting

Address \_\_\_\_\_

City, State, ZIP Tukwila, WA

Phone \_\_\_\_\_ Email \_\_\_\_\_

SAMPLER'S Signature [Signature]PROJECT NAME BRIDGEREMARKS MFLACO

INVOICE TO

Project specific RLS? - Yes / No

Page # 1 of 1

TURNAROUND TIME

☐ Standard turnaround☒ RUSH 24 hr

Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL

☐ Archive samples☐ Other \_\_\_\_\_

Default: Dispose after 30 days

## ANALYSES REQUESTED

NWTPH-Dx  
NWTPH-Gx  
BTEX EPA 8021  
NWTPH-HCID  
VOCs EPA 8260  
PAHs EPA 8270  
PCBs EPA 8082

A-2-day per JS  
04/08/25 ME  
Notes

\* Hold for

Follow-up

ANALYSES

AFOR

Dx 24h TAT

Samples received at 4 00

## SIGNATURE

## PRINT NAME

## COMPANY

DATE TIME

Relinquished by: [Signature]Received by: [Signature]

Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_

Grant Hainsworth

CRETE

4/4/25 2:55

Erickson

FCS

4/4/25 1:25

Received by: \_\_\_\_\_

Friedman &amp; Bruya, Inc.

5500 4th Ave S.

Seattle WA 98108

(206) 285-8282

office@friedmanandbruya.com

Page # \_\_\_\_\_ of \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

INVOICE TO

Project specific RLS? - Yes / No

☐ Archive samples

☐ Other \_\_\_\_\_

Default: Dispose after 30 days

[illegible]

**Friedman & Bruya, Inc.**  
5500 4th Ave S.  
Seattle WA 98108  
(206) 285-8282  
office@friedmanandbruya.com

| SIGNATURE                                                                                          | PRINT NAME       | COMPANY | DATE   | TIME |
|----------------------------------------------------------------------------------------------------|------------------|---------|--------|------|
| Relinquished by:  | Grant Hainsworth | CEFE    | 4/4/25 | 2:55 |
| Received by:     | Grant Hainsworth | CEFE    | 4/4/25 | 1:25 |
| Relinquished by:                                                                                   |                  |         |        |      |
| Received by:                                                                                       |                  |         |        |      |

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 504095 CLIENT Crete INITIALS/ AP  
DATE: 4/4/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 4 °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/ AP  
\*or other representative documents, letters, and/or shipping memos Date: 4/4/25

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                                          |                                           |
|--------------------|--------------------------------------------------------------------------|-------------------------------------------|
| Sample ID's        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Date Sampled       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Relinquished       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Requested analysis | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> On Hold |                                           |

Other comments (use a separate page if needed)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\* \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

\*\*Fill out Green manifolds billing sheet

FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

April 7, 2025

Rusty Jones, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Mr Jones:

Included are the results from the testing of material submitted on April 3, 2025 from the Maralco IA, F&BI 504062 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Rusty Jones, Grant Hainsworth, Ben Starr, Jamie Stevens  
CTC0407R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 3, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Maralco IA, F&BI 504062 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 504062 -01           | OSA-01                  |
| 504062 -02           | OSA-02                  |
| 504062 -03           | OSA-03                  |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/07/25

Date Received: 04/03/25

Project: Maralco IA, F&BI 504062

Date Extracted: 04/03/25

Date Analyzed: 04/03/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | <u>Surrogate</u><br><u>(% Recovery)</u><br>(Limit 50-150) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|
| OSA-01<br>504062-01               | <50                                                        | <250                                                          | 107                                                       |
| OSA-02<br>504062-02               | <50                                                        | <250                                                          | 114                                                       |
| OSA-03<br>504062-03               | 7,700                                                      | 430 x                                                         | 121                                                       |
| Method Blank<br>05-824 MB         | <50                                                        | <250                                                          | 108                                                       |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/07/25

Date Received: 04/03/25

Project: Maralco IA, F&BI 504062

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL EXTENDED USING METHOD NWTPH-D<sub>x</sub>**

Laboratory Code: 504044-01 (Matrix Spike)

| Analyte         | Reporting<br>Units | Spike<br>Level | (Wet wt)<br>Sample<br>Result | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | <50                          | 96                        | 96                         | 64-136                 | 0                 |

Laboratory Code: Laboratory Control Sample

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|-----------------|--------------------|----------------|----------------------------|------------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | 98                         | 78-121                 |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### **Data Qualifiers & Definitions**

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

VS A1/A1

Doc # 1-2

Phone 832.330.1359 Email \_\_\_\_\_

|                                |                     |
|--------------------------------|---------------------|
| SAMPLERS (signature)           |                     |
| PROJECT NAME                   | PO #                |
| Eusty Jones<br>Maraleo IA      | F. Jones<br>MARALEO |
| REMARKS                        | INVOICE TO          |
| Project specific RLS? Yes / No | CPETE               |

Page # \_\_\_\_\_ of \_\_\_\_\_

TURNAROUND TIME

☐ Standard turnaround

☒ RUSH 24 Hour

Rush charges authorized by: \_\_\_\_\_

SAMPLE DISPOSAL

☐ Archive samples

☐ Other \_\_\_\_\_

Default: Dispose after 30 days

[illegible]

**Friedman & Bruya, Inc.**  
5500 4th Ave S.  
Seattle WA 98108  
(206) 285-8282  
office@friedmanandbruya.com

| SIGNATURE                        | PRINT NAME         | COMPANY       | DATE            | TIME         |
|----------------------------------|--------------------|---------------|-----------------|--------------|
| Relinquished by: <i>F. Jones</i> | <i>Rusty Jones</i> | <i>CPRETE</i> | <i>4/3/2025</i> | <i>1338</i>  |
| Received by:                     | <i>Amh Pham</i>    | <i>FBI</i>    | <i>4/8/25</i>   | <i>13:38</i> |
| Relinquished by:                 |                    |               |                 |              |
| Received by:                     |                    |               |                 |              |

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 504062 CLIENT Crete INITIALS/ AP  
DATE: 4/3/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 6 °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/ AP  
\*or other representative documents, letters, and/or shipping memos Date: 4/3/25

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                               |                                           |
|--------------------|---------------------------------------------------------------|-------------------------------------------|
| Sample ID's        | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Date Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Relinquished       | <input type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Requested analysis | <input type="checkbox"/> Yes <input type="checkbox"/> On Hold |                                           |

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\* \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

\*\*Fill out Green manifolds billing sheet

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya  
Ann Webber-Bruya  
Michael Erdahl  
Vineta Mills  
Eric Young

5500 4th Ave South  
Seattle, WA 98108-2419  
(206) 285-8282  
office@friedmanandbruya.com  
www.friedmanandbruya.com

April 10, 2025

Rusty Jones, Project Manager  
Crete Consulting  
16300 Christensen Road, Suite 214  
Tukwila, WA 98188

Dear Mr Jones:

Included are the additional results from the testing of material submitted on April 3, 2025 from the Maralco IA, F&BI 504062 project. There are 16 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures

c: Grant Hainsworth, Jamie Stevens  
CTC0410R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 3, 2025 by Friedman & Bruya, Inc. from the Crete Consulting Maralco IA, F&BI 504062 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Crete Consulting</u> |
|----------------------|-------------------------|
| 504062 -01           | OSA-01                  |
| 504062 -02           | OSA-02                  |
| 504062 -03           | OSA-03                  |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25  
Date Received: 04/03/25  
Project: Maralco IA, F&BI 504062  
Date Extracted: 04/08/25  
Date Analyzed: 04/08/25

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE  
USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Gasoline Range</u> | Surrogate<br>(% Recovery)<br>(Limit 50-150) |
|-----------------------------------|-----------------------|---------------------------------------------|
| OSA-02<br>504062-02               | <5                    | 89                                          |
| Method Blank<br>05-0676 MB        | <5                    | 77                                          |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

|                               |                                  |
|-------------------------------|----------------------------------|
| Client Sample ID: OSA-02      | Client: Crete Consulting         |
| Date Received: 04/03/25       | Project: Maralco IA, F&BI 504062 |
| Date Extracted: 04/08/25      | Lab ID: 504062-02 1/0.5          |
| Date Analyzed: 04/08/25       | Data File: 040809.D              |
| Matrix: Soil                  | Instrument: GCMS11               |
| Units: mg/kg (ppm) Dry Weight | Operator: IJL                    |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 106         | 79           | 128          |
| Toluene-d8            | 102         | 84           | 121          |
| 4-Bromofluorobenzene  | 93          | 84           | 116          |

| Compounds:                  | Concentration<br>mg/kg (ppm) |
|-----------------------------|------------------------------|
| Vinyl chloride              | <0.002                       |
| Chloroethane                | <0.1                         |
| 1,1-Dichloroethene          | <0.002                       |
| Hexane                      | <0.25                        |
| Methylene chloride          | <0.4                         |
| Methyl t-butyl ether (MTBE) | <0.002                       |
| trans-1,2-Dichloroethene    | <0.002                       |
| 1,1-Dichloroethane          | <0.002                       |
| cis-1,2-Dichloroethene      | <0.002                       |
| 1,2-Dichloroethane (EDC)    | <0.003                       |
| 1,1,1-Trichloroethane       | <0.002                       |
| Benzene                     | <0.002                       |
| Trichloroethene             | <0.002                       |
| Toluene                     | <0.004                       |
| Tetrachloroethene           | <0.002                       |
| 1,2-Dibromoethane (EDB)     | <0.005                       |
| Ethylbenzene                | <0.002                       |
| m,p-Xylene                  | <0.004                       |
| o-Xylene                    | <0.002                       |
| Naphthalene                 | <0.01                        |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

|                   |                        |             |                         |
|-------------------|------------------------|-------------|-------------------------|
| Client Sample ID: | Method Blank           | Client:     | Crete Consulting        |
| Date Received:    | Not Applicable         | Project:    | Maralco IA, F&BI 504062 |
| Date Extracted:   | 04/08/25               | Lab ID:     | 05-0773 mb 1/0.5        |
| Date Analyzed:    | 04/08/25               | Data File:  | 040808.D                |
| Matrix:           | Soil                   | Instrument: | GCMS11                  |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | IJL                     |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 105         | 79           | 128          |
| Toluene-d8            | 98          | 84           | 121          |
| 4-Bromofluorobenzene  | 103         | 84           | 116          |

| Compounds:                  | Concentration<br>mg/kg (ppm) |
|-----------------------------|------------------------------|
| Vinyl chloride              | <0.002                       |
| Chloroethane                | <0.1                         |
| 1,1-Dichloroethene          | <0.002                       |
| Hexane                      | <0.25                        |
| Methylene chloride          | <0.4 k                       |
| Methyl t-butyl ether (MTBE) | <0.002                       |
| trans-1,2-Dichloroethene    | <0.002                       |
| 1,1-Dichloroethane          | <0.002                       |
| cis-1,2-Dichloroethene      | <0.002                       |
| 1,2-Dichloroethane (EDC)    | <0.003                       |
| 1,1,1-Trichloroethane       | <0.002                       |
| Benzene                     | <0.002                       |
| Trichloroethene             | <0.002                       |
| Toluene                     | <0.004                       |
| Tetrachloroethene           | <0.002                       |
| 1,2-Dibromoethane (EDB)     | <0.005                       |
| Ethylbenzene                | <0.002                       |
| m,p-Xylene                  | <0.004                       |
| o-Xylene                    | <0.002                       |
| Naphthalene                 | <0.01                        |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E

|                   |                        |             |                         |
|-------------------|------------------------|-------------|-------------------------|
| Client Sample ID: | OSA-02                 | Client:     | Crete Consulting        |
| Date Received:    | 04/03/25               | Project:    | Maralco IA, F&BI 504062 |
| Date Extracted:   | 04/08/25               | Lab ID:     | 504062-02               |
| Date Analyzed:    | 04/09/25               | Data File:  | 040909.D                |
| Matrix:           | Soil                   | Instrument: | GCMS9                   |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | VM                      |

| Surrogates:     | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------|-------------|--------------|--------------|
| Nitrobenzene-d5 | 84          | 24           | 133          |
| Terphenyl-d14   | 95          | 41           | 138          |

| Compounds:             | Concentration<br>mg/kg (ppm) |
|------------------------|------------------------------|
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.0025                      |
| 1-Methylnaphthalene    | <0.0025                      |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.0025                      |
| Benzo(a)pyrene         | <0.0025                      |
| Benzo(b)fluoranthene   | <0.0025                      |
| Benzo(k)fluoranthene   | <0.0025                      |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For Semivolatile Compounds By EPA Method 8270E

|                   |                        |             |                         |
|-------------------|------------------------|-------------|-------------------------|
| Client Sample ID: | Method Blank           | Client:     | Crete Consulting        |
| Date Received:    | Not Applicable         | Project:    | Maralco IA, F&BI 504062 |
| Date Extracted:   | 04/08/25               | Lab ID:     | 05-0836 mb2             |
| Date Analyzed:    | 04/09/25               | Data File:  | 040908.D                |
| Matrix:           | Soil                   | Instrument: | GCMS9                   |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | VM                      |

|                 |             |              |              |
|-----------------|-------------|--------------|--------------|
| Surrogates:     | % Recovery: | Lower Limit: | Upper Limit: |
| Nitrobenzene-d5 | 93          | 24           | 133          |
| Terphenyl-d14   | 103         | 41           | 138          |

|                        |                              |
|------------------------|------------------------------|
| Compounds:             | Concentration<br>mg/kg (ppm) |
| Naphthalene            | <0.005                       |
| 2-Methylnaphthalene    | <0.0025                      |
| 1-Methylnaphthalene    | <0.0025                      |
| Benz(a)anthracene      | <0.005                       |
| Chrysene               | <0.0025                      |
| Benzo(a)pyrene         | <0.0025                      |
| Benzo(b)fluoranthene   | <0.0025                      |
| Benzo(k)fluoranthene   | <0.0025                      |
| Indeno(1,2,3-cd)pyrene | <0.005                       |
| Dibenz(a,h)anthracene  | <0.005                       |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

|                   |                        |             |                         |
|-------------------|------------------------|-------------|-------------------------|
| Client Sample ID: | OSA-02                 | Client:     | Crete Consulting        |
| Date Received:    | 04/03/25               | Project:    | Maralco IA, F&BI 504062 |
| Date Extracted:   | 04/08/25               | Lab ID:     | 504062-02               |
| Date Analyzed:    | 04/08/25               | Data File:  | 504062-02.080           |
| Matrix:           | Soil                   | Instrument: | ICPMS3                  |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | SP                      |

| Analyte: | Concentration<br>mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

|      |     |
|------|-----|
| Lead | 1.9 |
|------|-----|

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

|                   |                        |             |                         |
|-------------------|------------------------|-------------|-------------------------|
| Client Sample ID: | Method Blank           | Client:     | Crete Consulting        |
| Date Received:    | NA                     | Project:    | Maralco IA, F&BI 504062 |
| Date Extracted:   | 04/08/25               | Lab ID:     | I5-295 mb               |
| Date Analyzed:    | 04/08/25               | Data File:  | I5-295 mb.069           |
| Matrix:           | Soil                   | Instrument: | ICPMS3                  |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | SP                      |

| Analyte: | Concentration<br>mg/kg (ppm) |
|----------|------------------------------|
|----------|------------------------------|

|      |    |
|------|----|
| Lead | <1 |
|------|----|

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For PCBs By EPA Method 8082A

|                   |                        |             |                         |
|-------------------|------------------------|-------------|-------------------------|
| Client Sample ID: | OSA-02                 | Client:     | Crete Consulting        |
| Date Received:    | 04/03/25               | Project:    | Maralco IA, F&BI 504062 |
| Date Extracted:   | 04/09/25               | Lab ID:     | 504062-02 1/30          |
| Date Analyzed:    | 04/09/25               | Data File:  | 040913.D                |
| Matrix:           | Soil                   | Instrument: | GC12                    |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | JH                      |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Tetrachlorometaxylene | 68          | 41           | 139          |
| Decachlorobiphenyl    | 60          | 48           | 145          |

| Compounds:   | Concentration<br>mg/kg (ppm) |
|--------------|------------------------------|
| Aroclor 1221 | <0.02                        |
| Aroclor 1232 | <0.02                        |
| Aroclor 1016 | <0.02                        |
| Aroclor 1242 | <0.02                        |
| Aroclor 1248 | <0.02                        |
| Aroclor 1254 | <0.02                        |
| Aroclor 1260 | <0.02                        |
| Aroclor 1262 | <0.02                        |
| Aroclor 1268 | <0.02                        |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### Analysis For PCBs By EPA Method 8082A

|                   |                        |             |                         |
|-------------------|------------------------|-------------|-------------------------|
| Client Sample ID: | Method Blank           | Client:     | Crete Consulting        |
| Date Received:    | Not Applicable         | Project:    | Maralco IA, F&BI 504062 |
| Date Extracted:   | 04/09/25               | Lab ID:     | 05-0848 mb 1/30         |
| Date Analyzed:    | 04/09/25               | Data File:  | 040907.D                |
| Matrix:           | Soil                   | Instrument: | GC12                    |
| Units:            | mg/kg (ppm) Dry Weight | Operator:   | JH                      |

| Surrogates:           | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| Tetrachlorometaxylene | 77          | 41           | 139          |
| Decachlorobiphenyl    | 72          | 48           | 145          |

| Compounds:   | Concentration<br>mg/kg (ppm) |
|--------------|------------------------------|
| Aroclor 1221 | <0.02                        |
| Aroclor 1232 | <0.02                        |
| Aroclor 1016 | <0.02                        |
| Aroclor 1242 | <0.02                        |
| Aroclor 1248 | <0.02                        |
| Aroclor 1254 | <0.02                        |
| Aroclor 1260 | <0.02                        |
| Aroclor 1262 | <0.02                        |
| Aroclor 1268 | <0.02                        |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/03/25

Project: Maralco IA, F&BI 504062

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES  
FOR TPH AS GASOLINE  
USING METHOD NWTPH-G<sub>x</sub>**

Laboratory Code: 504024-02 (Duplicate)

| Analyte  | Reporting<br>Units | Sample<br>Result<br>(Wet Wt) | Duplicate<br>Result<br>(Wet Wt) | RPD<br>(Limit 20) |
|----------|--------------------|------------------------------|---------------------------------|-------------------|
| Gasoline | mg/kg (ppm)        | <5                           | <5                              | nm                |

Laboratory Code: Laboratory Control Sample

| Analyte  | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|----------|--------------------|----------------|----------------------------|------------------------|
| Gasoline | mg/kg (ppm)        | 40             | 95                         | 70-130                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/03/25

Project: Maralco IA, F&BI 504062

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES  
FOR VOLATILES BY EPA METHOD 8260D**

Laboratory Code: 504049-22 (Matrix Spike)

| Analyte                     | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Vinyl chloride              | mg/kg (ppm)        | 2              | 0.0010                       | 67                        | 65                         | 28-122                 | 3                 |
| Chloroethane                | mg/kg (ppm)        | 2              | 0.050                        | 76                        | 72                         | 35-125                 | 5                 |
| 1,1-Dichloroethene          | mg/kg (ppm)        | 2              | 0.050                        | 84                        | 81                         | 50-150                 | 4                 |
| Hexane                      | mg/kg (ppm)        | 2              | 0.25                         | 74                        | 70                         | 50-150                 | 6                 |
| Methylene chloride          | mg/kg (ppm)        | 2              | 0.25                         | 85                        | 82                         | 50-150                 | 4                 |
| Methyl t-butyl ether (MTBE) | mg/kg (ppm)        | 2              | 0.050                        | 87                        | 83                         | 50-150                 | 5                 |
| trans-1,2-Dichloroethene    | mg/kg (ppm)        | 2              | 0.050                        | 83                        | 79                         | 50-150                 | 5                 |
| 1,1-Dichloroethane          | mg/kg (ppm)        | 2              | 0.050                        | 86                        | 82                         | 50-150                 | 5                 |
| cis-1,2-Dichloroethene      | mg/kg (ppm)        | 2              | 0.050                        | 86                        | 83                         | 50-150                 | 4                 |
| 1,2-Dichloroethane (EDC)    | mg/kg (ppm)        | 2              | 0.010                        | 88                        | 85                         | 50-150                 | 3                 |
| 1,1,1-Trichloroethane       | mg/kg (ppm)        | 2              | 0.050                        | 85                        | 82                         | 50-150                 | 4                 |
| Benzene                     | mg/kg (ppm)        | 2              | 0.017                        | 88                        | 85                         | 50-150                 | 3                 |
| Trichloroethene             | mg/kg (ppm)        | 2              | 0.0025                       | 87                        | 83                         | 50-150                 | 5                 |
| Toluene                     | mg/kg (ppm)        | 2              | 0.050                        | 86                        | 86                         | 50-150                 | 0                 |
| Tetrachloroethene           | mg/kg (ppm)        | 2              | 0.025                        | 89                        | 89                         | 50-150                 | 0                 |
| 1,2-Dibromoethane (EDB)     | mg/kg (ppm)        | 2              | 0.00050                      | 88                        | 88                         | 50-150                 | 0                 |
| Ethylbenzene                | mg/kg (ppm)        | 2              | 0.050                        | 89                        | 89                         | 50-150                 | 0                 |
| m,p-Xylene                  | mg/kg (ppm)        | 4              | 0.10                         | 88                        | 88                         | 50-150                 | 0                 |
| o-Xylene                    | mg/kg (ppm)        | 2              | 0.050                        | 88                        | 89                         | 50-150                 | 1                 |
| Naphthalene                 | mg/kg (ppm)        | 2              | 0.050                        | 75                        | 77                         | 50-150                 | 3                 |

Laboratory Code: Laboratory Control Sample

| Analyte                     | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|-----------------------------|--------------------|----------------|----------------------------|------------------------|
| Vinyl chloride              | mg/kg (ppm)        | 2              | 83                         | 35-135                 |
| Chloroethane                | mg/kg (ppm)        | 2              | 89                         | 21-147                 |
| 1,1-Dichloroethene          | mg/kg (ppm)        | 2              | 96                         | 49-138                 |
| Hexane                      | mg/kg (ppm)        | 2              | 97                         | 61-141                 |
| Methylene chloride          | mg/kg (ppm)        | 2              | 93                         | 25-146                 |
| Methyl t-butyl ether (MTBE) | mg/kg (ppm)        | 2              | 98                         | 65-129                 |
| trans-1,2-Dichloroethene    | mg/kg (ppm)        | 2              | 95                         | 62-126                 |
| 1,1-Dichloroethane          | mg/kg (ppm)        | 2              | 97                         | 64-131                 |
| cis-1,2-Dichloroethene      | mg/kg (ppm)        | 2              | 96                         | 62-127                 |
| 1,2-Dichloroethane (EDC)    | mg/kg (ppm)        | 2              | 101                        | 73-123                 |
| 1,1,1-Trichloroethane       | mg/kg (ppm)        | 2              | 98                         | 66-125                 |
| Benzene                     | mg/kg (ppm)        | 2              | 101                        | 70-130                 |
| Trichloroethene             | mg/kg (ppm)        | 2              | 96                         | 62-116                 |
| Toluene                     | mg/kg (ppm)        | 2              | 100                        | 70-130                 |
| Tetrachloroethene           | mg/kg (ppm)        | 2              | 102                        | 69-131                 |
| 1,2-Dibromoethane (EDB)     | mg/kg (ppm)        | 2              | 105                        | 70-130                 |
| Ethylbenzene                | mg/kg (ppm)        | 2              | 105                        | 70-130                 |
| m,p-Xylene                  | mg/kg (ppm)        | 4              | 103                        | 70-130                 |
| o-Xylene                    | mg/kg (ppm)        | 2              | 102                        | 70-130                 |
| Naphthalene                 | mg/kg (ppm)        | 2              | 88                         | 69-119                 |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/03/25

Project: Maralco IA, F&BI 504062

### QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample

| Analyte                | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|------------------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Naphthalene            | mg/kg (ppm)        | 0.83           | 82                         | 96                          | 59-105                 | 16                |
| 2-Methylnaphthalene    | mg/kg (ppm)        | 0.83           | 88                         | 99                          | 62-108                 | 12                |
| 1-Methylnaphthalene    | mg/kg (ppm)        | 0.83           | 88                         | 98                          | 62-108                 | 11                |
| Benz(a)anthracene      | mg/kg (ppm)        | 0.83           | 101                        | 105                         | 64-116                 | 4                 |
| Chrysene               | mg/kg (ppm)        | 0.83           | 90                         | 94                          | 66-119                 | 4                 |
| Benzo(a)pyrene         | mg/kg (ppm)        | 0.83           | 99                         | 103                         | 62-116                 | 4                 |
| Benzo(b)fluoranthene   | mg/kg (ppm)        | 0.83           | 101                        | 101                         | 61-118                 | 0                 |
| Benzo(k)fluoranthene   | mg/kg (ppm)        | 0.83           | 98                         | 106                         | 65-119                 | 8                 |
| Indeno(1,2,3-cd)pyrene | mg/kg (ppm)        | 0.83           | 114                        | 114                         | 67-136                 | 0                 |
| Dibenz(a,h)anthracene  | mg/kg (ppm)        | 0.83           | 115                        | 114                         | 67-135                 | 1                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/03/25

Project: Maralco IA, F&BI 504062

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 504062-02 (Matrix Spike)

| Analyte | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|---------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Lead    | mg/kg (ppm)        | 50             | 1.56                         | 93                        | 92                         | 75-125                 | 1                 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|---------|--------------------|----------------|----------------------------|------------------------|
| Lead    | mg/kg (ppm)        | 50             | 95                         | 80-120                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 04/10/25

Date Received: 04/03/25

Project: Maralco IA, F&BI 504062

**QUALITY ASSURANCE RESULTS  
FOR THE ANALYSIS OF SOIL SAMPLES FOR  
POLYCHLORINATED BIPHENYLS AS  
AROCOR 1016/1260 BY EPA METHOD 8082A**

Laboratory Code: 503460-02 1/30 (Matrix Spike)

| Analyte      | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet Wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Control<br>Limits | RPD<br>(Limit 20) |
|--------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|-------------------|-------------------|
| Aroclor 1016 | mg/kg (ppm)        | 0.25           | <0.02                        | 67                        | 74                         | 50-150            | 10                |
| Aroclor 1260 | mg/kg (ppm)        | 0.25           | <0.02                        | 65                        | 75                         | 50-150            | 14                |

Laboratory Code: Laboratory Control Sample 1/30

| Analyte      | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Aroclor 1016 | mg/kg (ppm)        | 0.25           | 86                         | 50-138                 |
| Aroclor 1260 | mg/kg (ppm)        | 0.25           | 89                         | 54-146                 |

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### **Data Qualifiers & Definitions**

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

VS A1/A1

Doc # 104

Phone 832.330.1359 Email \_\_\_\_\_

|                                            |                               |
|--------------------------------------------|-------------------------------|
| SAMPLERS (signature)<br><i>Rusty Jones</i> |                               |
| PROJECT NAME<br><i>Maraleo IA</i>          | <i>R. Jones</i><br>PO #       |
| REMARKS                                    | INVOICE TO<br><i>CP&amp;E</i> |
| Project specific RLS? - Yes / No           |                               |

Page # 1 of 1

TURNAROUND TIME

☐ Standard turnaround  
~~XRUSH~~ 24 Hour

Rush charges authorized by: \_\_\_\_\_

---

SAMPLE DISPOSAL

☐ Archive samples

☐ Other \_\_\_\_\_

Default: Dispose after 30 days

[illegible]

**Friedman & Bruya, Inc.**  
5500 4th Ave S.  
Seattle WA 98108  
(206) 285-8282  
office@friedmanandbruya.com

|                  | SIGNATURE          | PRINT NAME  | COMPANY | DATE     | TIME  |
|------------------|--------------------|-------------|---------|----------|-------|
| Relinquished by: | <i>[Signature]</i> | Rusty Jones | CPE TE  | 4/3/2025 | 1338  |
| Received by:     | <i>[Signature]</i> | Amk Pham    | FBI     | 4/3/25   | 13:38 |
| Relinquished by: |                    |             |         |          |       |
| Received by:     |                    |             |         |          |       |

# SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 504062 CLIENT Crete INITIALS/ AP  
DATE: 4/3/25

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 6 °C  
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?  
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody\* (COC)? ☒ YES ☐ NO Initials/ AP  
\*or other representative documents, letters, and/or shipping memos Date: 4/3/25

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?  
(explain "no" answer below)

|                    |                                                               |                                           |
|--------------------|---------------------------------------------------------------|-------------------------------------------|
| Sample ID's        | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Date Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| Time Sampled       | <input type="checkbox"/> Yes <input type="checkbox"/> No      | <input type="checkbox"/> Not on COC/label |
| # of Containers    | <input type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Relinquished       | <input type="checkbox"/> Yes <input type="checkbox"/> No      |                                           |
| Requested analysis | <input type="checkbox"/> Yes <input type="checkbox"/> On Hold |                                           |

Other comments (use a separate page if needed)

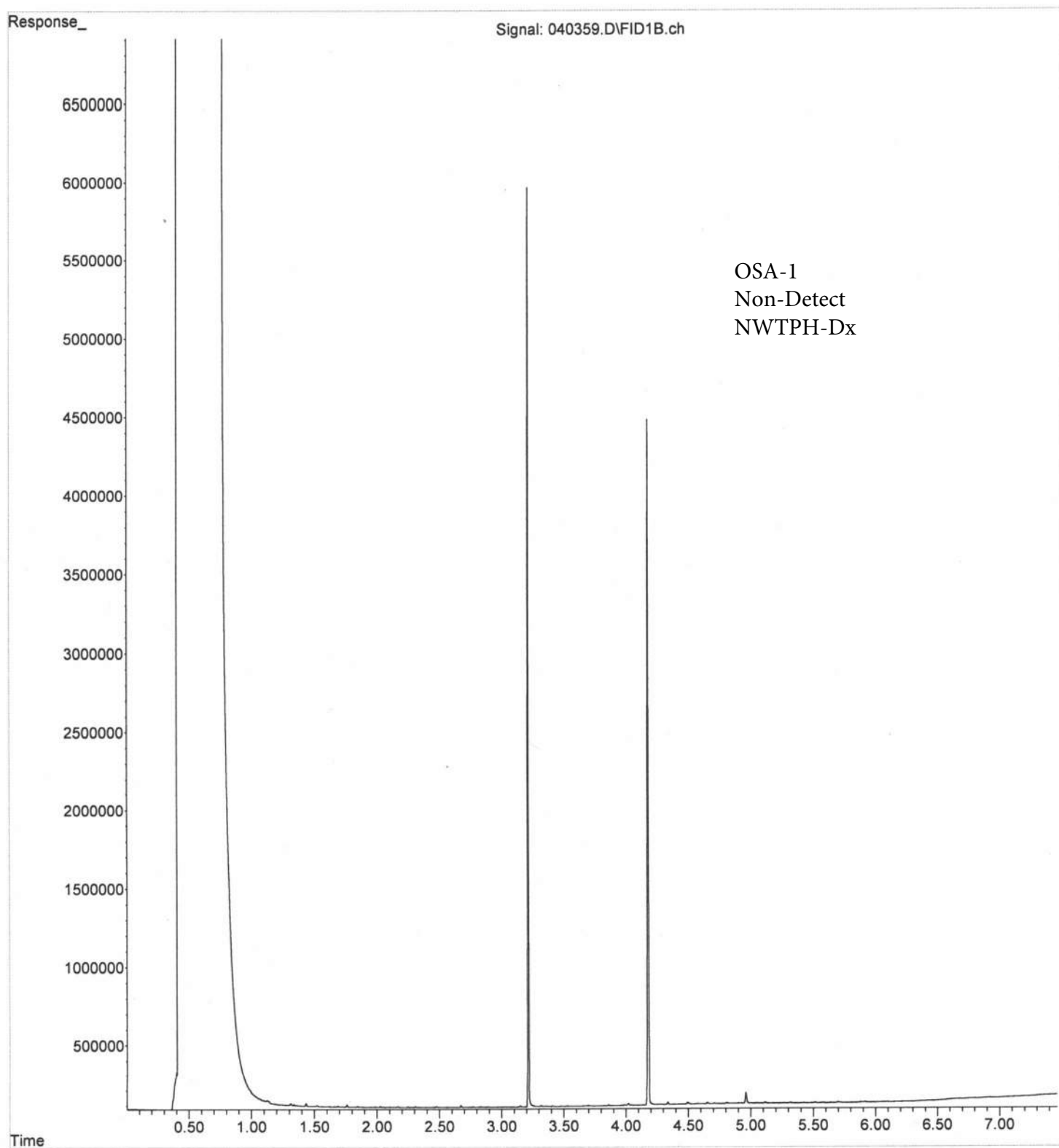
Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters\*\* \_\_\_\_\_ Number of unused TO17 tubes \_\_\_\_\_

\*\*Fill out Green manifolds billing sheet

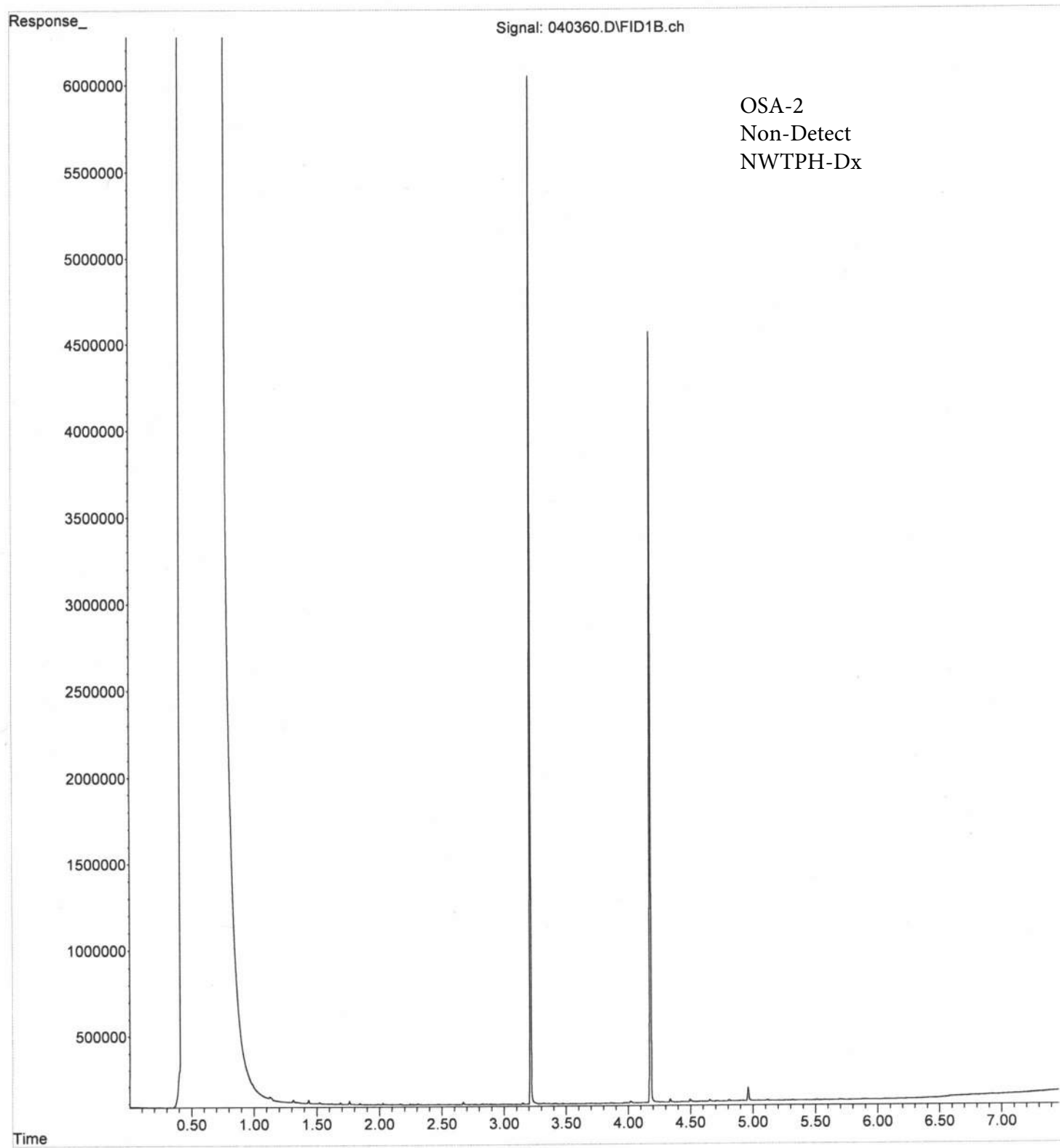
File :N:\Proc\_GC13\04-03-25\040359.D  
Operator : TL  
Acquired : 03 Apr 2025 09:17 pm using AcqMethod Dx.M  
Instrument : GC13  
Sample Name: 504062-01  
Misc Info :  
Vial Number: 54

ERR



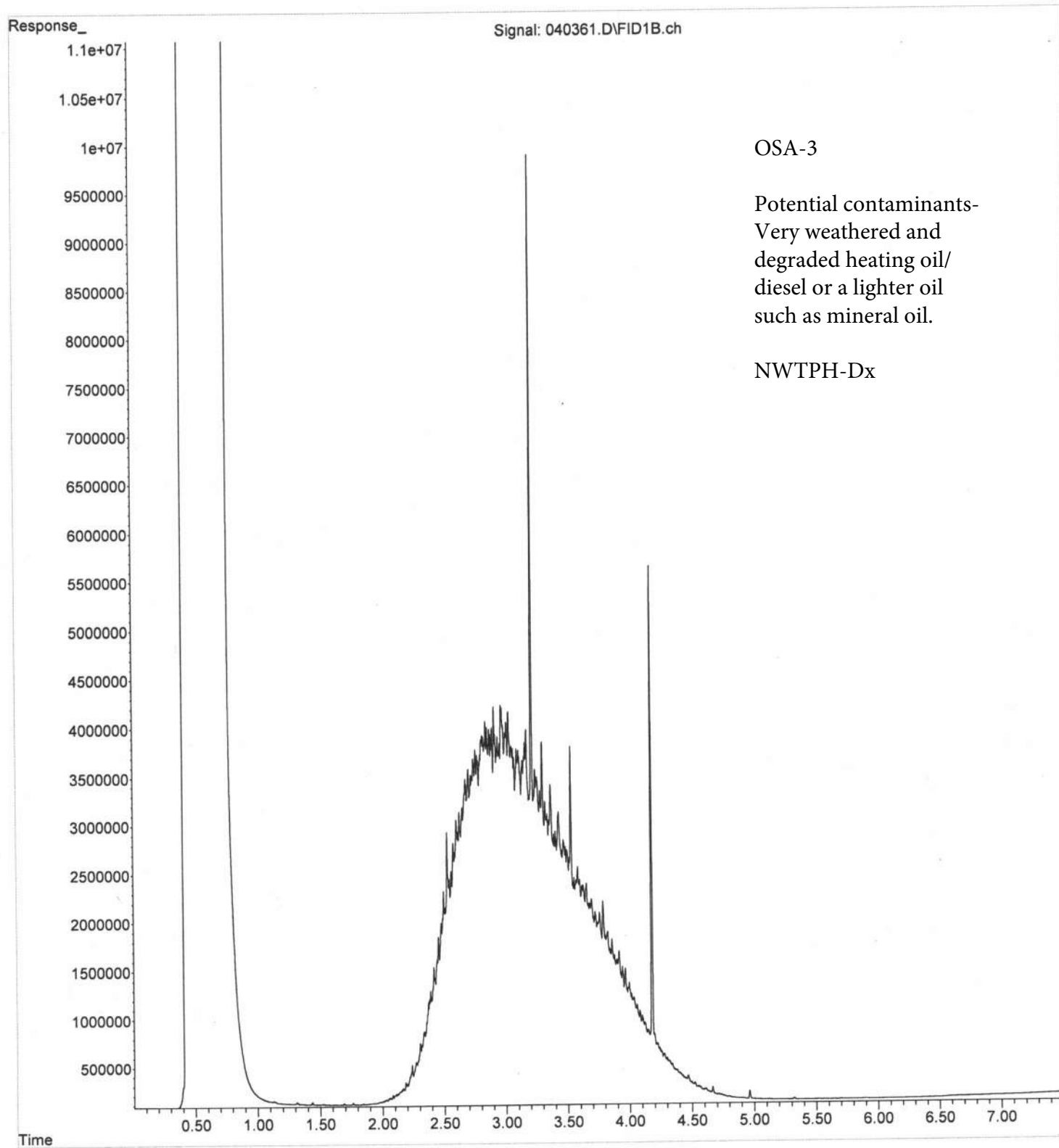
File :N:\Proc\_GC13\04-03-25\040360.D  
Operator : TL  
Acquired : 03 Apr 2025 09:28 pm using AcqMethod Dx.M  
Instrument : GC13  
Sample Name: 504062-02  
Misc Info :  
Vial Number: 55

ERR



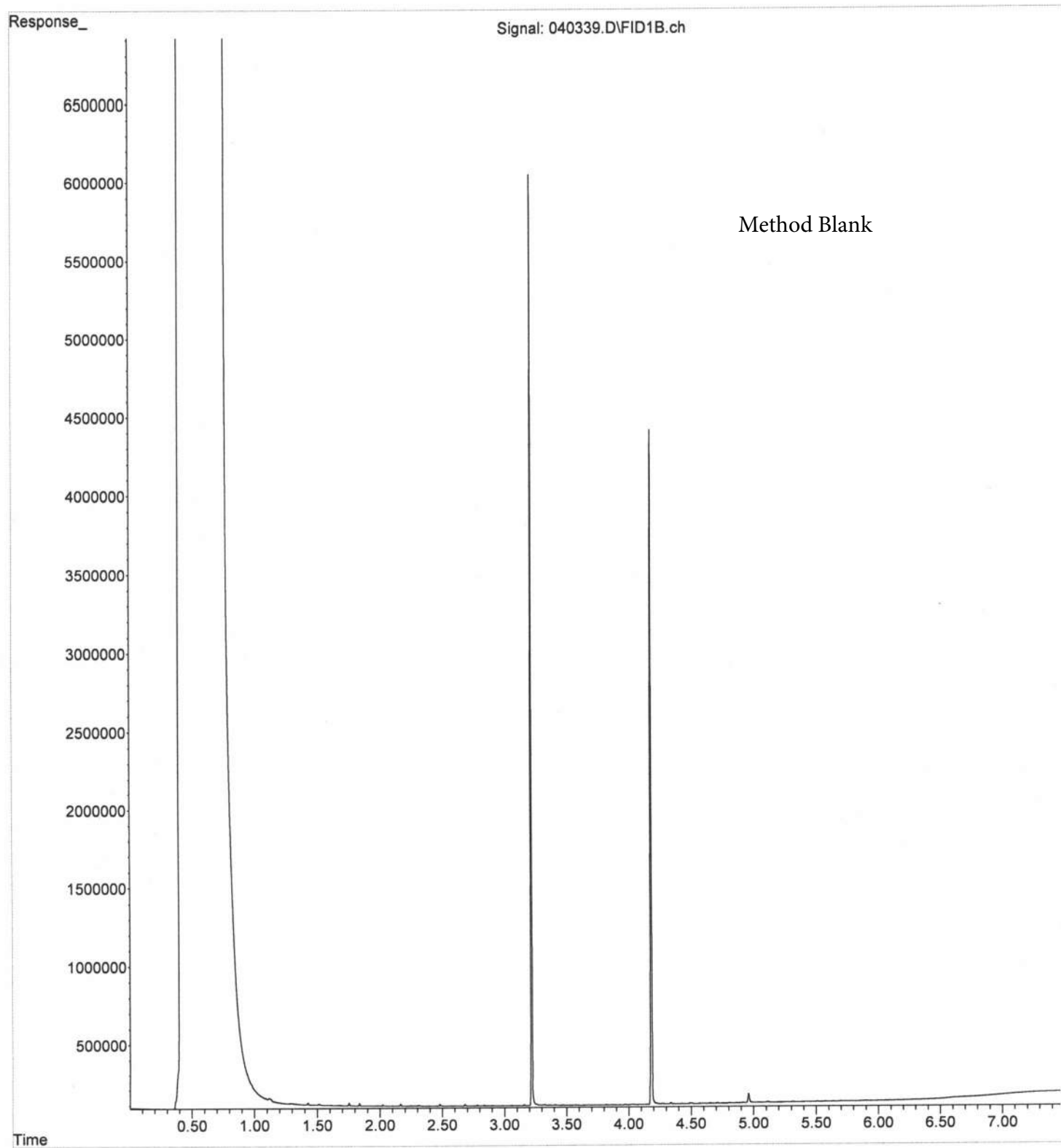
File :N:\Proc\_GC13\04-03-25\040361.D  
Operator : TL  
Acquired : 03 Apr 2025 09:39 pm using AcqMethod Dx.M  
Instrument : GC13  
Sample Name: 504062-03  
Misc Info :  
Vial Number: 56

ERR



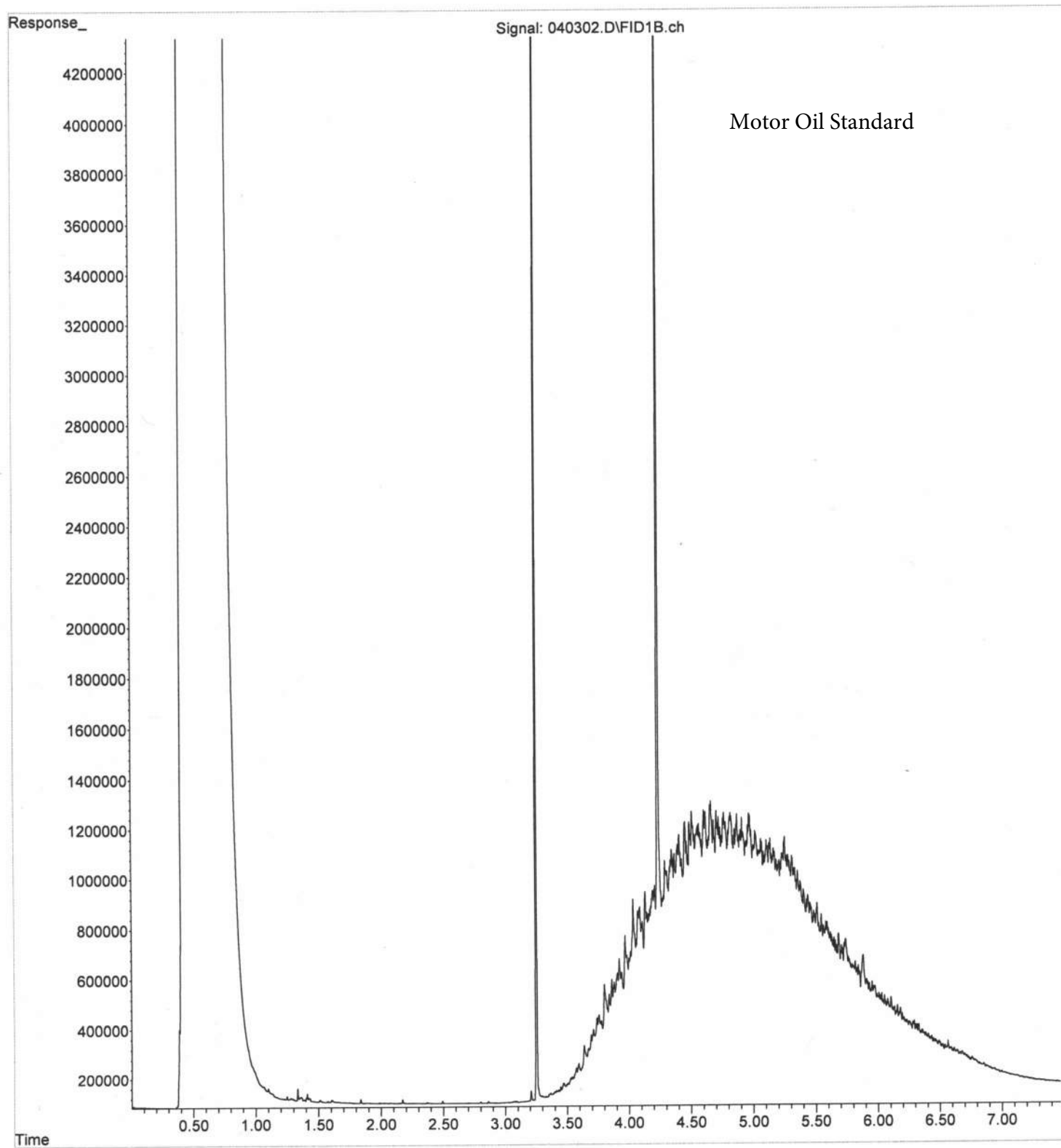
File :N:\Proc\_GC13\04-03-25\040339.D  
Operator : TL  
Acquired : 03 Apr 2025 05:32 pm using AcqMethod Dx.M  
Instrument : GC13  
Sample Name: 05-824 mb  
Misc Info :  
Vial Number: 36

ERR



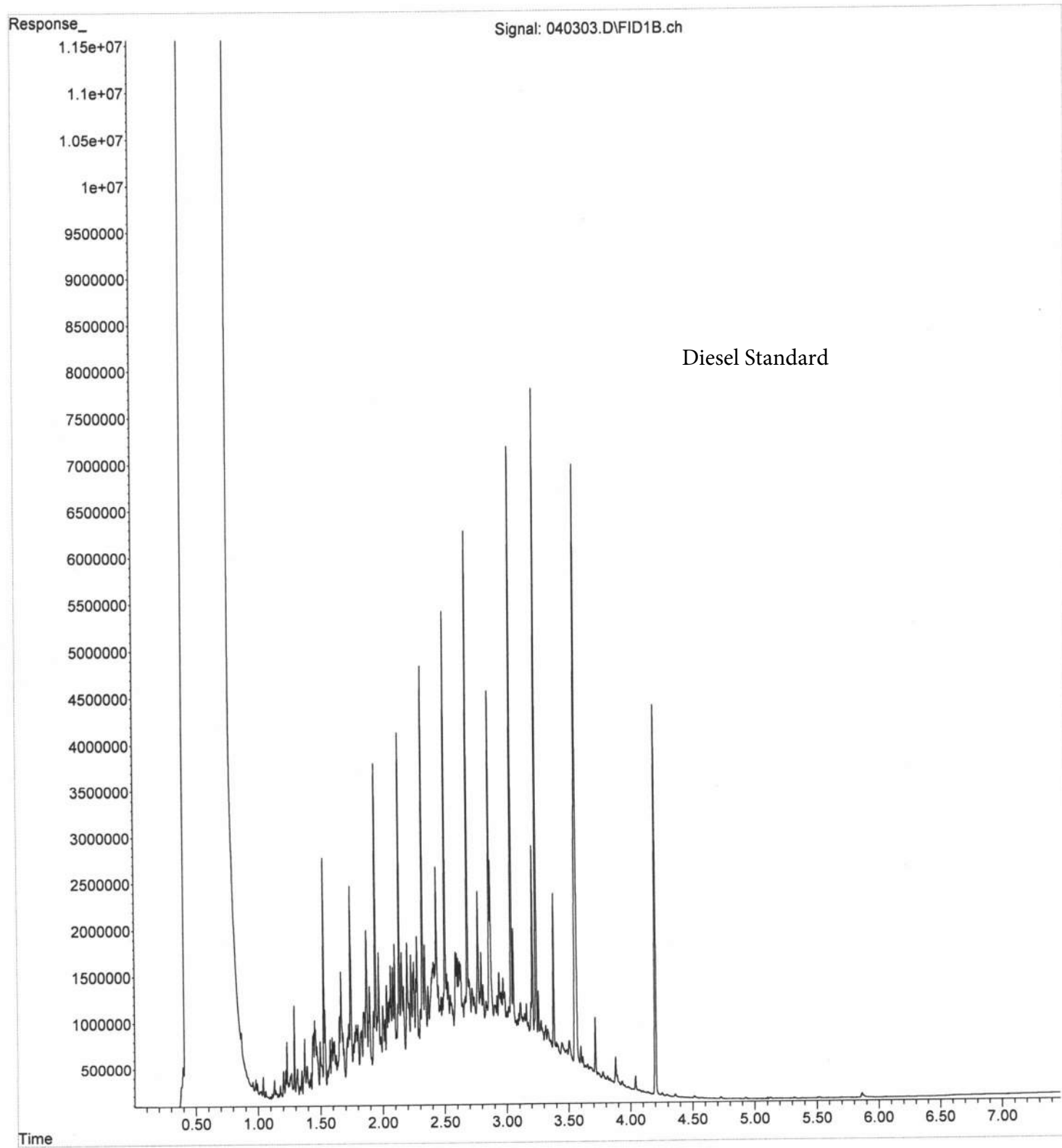
File :N:\Proc\_GC13\04-03-25\040302.D  
Operator : TL  
Acquired : 03 Apr 2025 08:18 am using AcqMethod Dx.M  
Instrument : GC13  
Sample Name: 500 MO 74-194B  
Misc Info :  
Vial Number: 2

ERR



File :N:\Proc\_GC13\04-03-25\040303.D  
Operator : TL  
Acquired : 03 Apr 2025 08:29 am using AcqMethod Dx.M  
Instrument : GC13  
Sample Name: 500 Dx 74-61E  
Misc Info :  
Vial Number: 3

ERR





13751 Lake City Way NE, Ste 108, Seattle, WA 98125 • USA • T:206-632-6206 • [info@brooksapplied.com](mailto:info@brooksapplied.com)

June 23, 2025

Crete Consulting  
ATTN: Rusty Jones  
108 S. Washington Street, Suite 300  
Seattle, WA 98104  
832-330-1359  
[rusty.jones@creteconsulting.com](mailto:rusty.jones@creteconsulting.com)

RE: Project CRC-SE2501  
Client Project: Maralco

Dear Rusty Jones,

On May 23, 2025, Brooks Applied Labs (BAL) received fifteen (15) sets of aqueous samples. The samples were logged-in for the analyses of for total recoverable and dissolved silver (Ag), aluminum (Al), arsenic (As), barium (Ba), cadmium (Cd), cobalt (Co), chromium (Cr), copper (Cu), iron (Fe), manganese (Mn), nickel (Ni), lead (Pb), antimony (Sb), selenium (Se), vanadium (V), zinc (Zn), and mercury (Hg) according to the chain-of-custody form. All samples were received and stored according to BAL SOPs and EPA methodology.

All dissolved samples were 0.45µm filtered prior to receipt at BAL.

*Total Recoverable and Dissolved Metals Quantitation by ICP-QQQ-MS*

All aqueous samples were digested on a hotblock via modified EPA Method 1638 with nitric and hydrochloric acids. Trace metals were analyzed using inductively coupled plasma triple quadrupole mass spectrometry (ICP-QQQ-MS). The ICP-QQQ-MS uses advanced interference removal techniques to ensure accuracy of the sample results. For more information, please visit the *Interference Reduction Technology* section on our website, [www.brooksapplied.com](http://www.brooksapplied.com).

In instances where the native sample result and/or the associated duplicate (DUP) result were below the MDL the RPD was not calculated (N/C).

In instances where a matrix spike/matrix spike duplicate (MS/MSD) set was spiked at a level less than the native sample, the recoveries are not considered valid indicators of data quality. However, these results are reported as a demonstration of precision. When the spiking levels were ≤ 25% of the native sample concentrations, the recoveries were not reported (NR). No sample results were qualified on the basis of the MS or MSD recoveries.

Some of the total results were less than the corresponding dissolved result. In all of these cases, the total and dissolved samples meet RPD, or the results met secondary criteria (within 5x the MRL and within the MRL of each other) and no further action was required.

The method blank (BLK) B251148-BLK3 had a Ba concentration that was above the acceptance limit. All sample results were greater than 10x the concentration of this BLK, and no further action was required.

The method blanks (BLK) B251148-BLK2 and B251148-BLK3 had V concentrations that were above the acceptance limit. All sample results were greater than 10x the concentration of these BLKs, and no further action was required.

The duplicate (DUP) B251148-DUP1 performed on sample 2505417-01 had a relative percent difference (RPD) for Se that above the acceptance limit (21%). The DUP result and the native result met secondary criteria (within 5x the MRL and within the MRL of each other) and no further action was required.

*Total and Dissolved Mercury using MERX*

Each aqueous fraction submitted for Hg analysis was prepared and analyzed in accordance with EPA Method 1631. Samples were oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride (SnCl<sub>2</sub>) reduction, dual gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a Brooks Rand Instrument's MERX-T CVAFS Mercury Automated-Analyzer.

Sample results reported for mercury were method blank corrected, while all other results were not method blank corrected, as described in the calculations section of the relevant BAL SOP(s). All results were evaluated using reporting limits adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

All data was reported without qualification and all associated quality control sample results met the acceptance criteria.

BAL verifies that the reported results of all analyses for which the laboratory is accredited meet the requirements of the accrediting body, unless otherwise noted in the report narrative. For more information regarding accreditations please see the *Report Information* and *Batch Summary* pages. This report must be used in its entirety for interpretation of results.

Please feel free to contact us if you have any questions regarding this report.

Sincerely,

A handwritten signature in cursive script that reads "Amy Goodall".

Amy Goodall  
Project Manager  
Brooks Applied Labs  
amy@brooksapplied.com



## Report Information

### General Disclaimers

Test results are based solely upon the sample submitted to Brooks Applied Labs in the condition it was received. This report shall not be reproduced or copied, except in full, without written approval of the laboratory. Brooks Applied Labs is not responsible for the consequences arising from the use of a partial report.

### Laboratory Accreditation

BAL maintains accreditation with various state and national agencies for select test methods. For a current list of BAL accreditations, please visit our website at <http://www.brooksapplied.com/resources/certificates-permits/>. The reported analyte/matrix/method combination shall be considered outside BAL's scopes of accreditation unless otherwise identified as ISO, TNI, or ISO,TNI in the tables. It is the responsibility of the client to verify whether a specific accreditation is required for the intended data use.

**ISO:** ISO/IEC 17025:2017 accredited test method. Issued by ANSI National Accreditation Board (ANAB), #ADE-1447.02

**TNI:** NELAP accredited test method. Issued by the State of Florida Department of Health, #E87982.

**ISO,TNI:** Test method is accredited under both the ISO/IEC 17025:2017 and NELAP accreditations referenced above.

### Field Quality Control Samples

Please be notified that certain EPA methods require the collection of field quality control samples of an appropriate type and frequency; failure to do so is considered a deviation from some methods and for compliance purposes should only be done with the approval of regulatory authorities. Please see the specific EPA methods for details regarding required field quality control samples.

### Common Abbreviations

|            |                                     |            |                                    |
|------------|-------------------------------------|------------|------------------------------------|
| <b>AR</b>  | as received                         | <b>MS</b>  | matrix spike                       |
| <b>BAL</b> | Brooks Applied Labs                 | <b>MSD</b> | matrix spike duplicate             |
| <b>BLK</b> | method blank                        | <b>ND</b>  | non-detect                         |
| <b>BS</b>  | blank spike                         | <b>NR</b>  | non-reportable                     |
| <b>CAL</b> | calibration standard                | <b>N/C</b> | not calculated                     |
| <b>CCB</b> | continuing calibration blank        | <b>PS</b>  | post preparation spike             |
| <b>CCV</b> | continuing calibration verification | <b>REC</b> | percent recovery                   |
| <b>COC</b> | chain of custody record             | <b>RPD</b> | relative percent difference        |
| <b>D</b>   | dissolved fraction                  | <b>SCV</b> | secondary calibration verification |
| <b>DUP</b> | duplicate                           | <b>SOP</b> | standard operating procedure       |
| <b>IBL</b> | instrument blank                    | <b>SRM</b> | reference material                 |
| <b>ICV</b> | initial calibration verification    | <b>T</b>   | total fraction                     |
| <b>MDL</b> | method detection limit              | <b>TR</b>  | total recoverable fraction         |
| <b>MRL</b> | method reporting limit              |            |                                    |

### Definition of Data Qualifiers

|            |                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>E</b>   | An estimated value due to the presence of interferences. A full explanation is presented in the narrative.                                                                            |
| <b>H</b>   | Holding time and/or preservation requirements not met. Please see narrative for explanation.                                                                                          |
| <b>J</b>   | Detected by the instrument, the result is > the MDL but ≤ the MRL. Result is reported and considered an estimate.                                                                     |
| <b>J-1</b> | Estimated value. A full explanation is presented in the narrative.                                                                                                                    |
| <b>M</b>   | Duplicate precision (RPD) was not within acceptance criteria. Please see narrative for explanation.                                                                                   |
| <b>N</b>   | Spike recovery was not within acceptance criteria. Please see narrative for explanation.                                                                                              |
| <b>R</b>   | Rejected, unusable value. A full explanation is presented in the narrative.                                                                                                           |
| <b>U</b>   | Result is ≤ the MDL or client requested reporting limit (CRRL). Result reported as the MDL or CRRL.                                                                                   |
| <b>X</b>   | Result is not BLK-corrected and is within 10x the absolute value of the highest detectable BLK in the batch. Result is estimated.                                                     |
| <b>Z</b>   | Holding time and/or preservation requirements not established for this method; however, BAL recommendations for holding time were not followed. Please see narrative for explanation. |



## Sample Information

| Sample   | Lab ID     | Report Matrix | Type            | Sampled    | Received   |
|----------|------------|---------------|-----------------|------------|------------|
| MW5R2    | 2505417-01 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW5R2    | 2505417-02 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW3R     | 2505417-03 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW3R     | 2505417-04 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW8R     | 2505417-05 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW8R     | 2505417-06 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW1      | 2505417-07 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW1      | 2505417-08 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW4R     | 2505417-09 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW4R     | 2505417-10 | Grab Water    | Sample          | 05/20/2025 | 05/23/2025 |
| MW10     | 2505417-11 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| MW10     | 2505417-12 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| MW9R     | 2505417-13 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| MW9R     | 2505417-14 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| MW2      | 2505417-15 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| MW2      | 2505417-16 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| MW11     | 2505417-17 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| MW11     | 2505417-18 | Grab Water    | Sample          | 05/21/2025 | 05/23/2025 |
| DUP-0525 | 2505417-19 | Grab Water    | Field Duplicate | 05/22/2025 | 05/23/2025 |
| DUP-0525 | 2505417-20 | Grab Water    | Field Duplicate | 05/22/2025 | 05/23/2025 |
| MW6R     | 2505417-21 | Grab Water    | Sample          | 05/22/2025 | 05/23/2025 |
| MW6R     | 2505417-22 | Grab Water    | Sample          | 05/22/2025 | 05/23/2025 |
| MW12     | 2505417-23 | Grab Water    | Sample          | 05/22/2025 | 05/23/2025 |
| MW12     | 2505417-24 | Grab Water    | Sample          | 05/22/2025 | 05/23/2025 |
| MW7      | 2505417-25 | Grab Water    | Sample          | 05/22/2025 | 05/23/2025 |
| MW7      | 2505417-26 | Grab Water    | Sample          | 05/22/2025 | 05/23/2025 |
| MW13     | 2505417-27 | Grab Water    | Sample          | 05/23/2025 | 05/23/2025 |
| MW13     | 2505417-28 | Grab Water    | Sample          | 05/23/2025 | 05/23/2025 |
| MW14     | 2505417-29 | Grab Water    | Sample          | 05/23/2025 | 05/23/2025 |
| MW14     | 2505417-30 | Grab Water    | Sample          | 05/23/2025 | 05/23/2025 |



## Batch Summary

| Analyte | Lab Matrix | Method       | Accred. | Prepared | Analyzed | Batch   | Sequence |
|---------|------------|--------------|---------|----------|----------|---------|----------|
| Ag      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Al      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| As      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Ba      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Cd      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Co      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Cr      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Cu      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Fe      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Hg      | Water      | EPA 1631 E   | ISO,TNI | 05/27/25 | 05/28/25 | B251152 | S250508  |
| Hg      | Water      | EPA 1631 E   | ISO,TNI | 05/27/25 | 05/28/25 | B251153 | S250508  |
| Mn      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Ni      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Pb      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Sb      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Se      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| V       | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |
| Zn      | Water      | EPA 1638 Mod | ISO,TNI | 05/28/25 | 05/29/25 | B251148 | S250505  |



## Sample Results

| Sample       | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|--------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW5R2</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-01   | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-01   | Al      | Grab Water    | TR    | 1300    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-01   | As      | Grab Water    | TR    | 22.8    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-01   | Ba      | Grab Water    | TR    | 70.7    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-01   | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-01   | Co      | Grab Water    | TR    | 2.04    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-01   | Cr      | Grab Water    | TR    | 7.03    |           | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-01   | Cu      | Grab Water    | TR    | 9.06    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-01   | Fe      | Grab Water    | TR    | 36100   |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-01   | Hg      | Grab Water    | TR    | 19.0    |           | 0.14  | 0.42  | ng/L | B251152 | S250508  |
| 2505417-01   | Mn      | Grab Water    | TR    | 2330    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-01   | Ni      | Grab Water    | TR    | 2.76    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-01   | Pb      | Grab Water    | TR    | 1.33    |           | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-01   | Sb      | Grab Water    | TR    | 2.88    |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-01   | Se      | Grab Water    | TR    | 0.600   |           | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-01   | V       | Grab Water    | TR    | 59.8    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-01   | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW5R2</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-02   | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-02   | Al      | Grab Water    | D     | 611     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-02   | As      | Grab Water    | D     | 20.8    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-02   | Ba      | Grab Water    | D     | 65.3    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-02   | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-02   | Co      | Grab Water    | D     | 1.80    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-02   | Cr      | Grab Water    | D     | 4.99    | J         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-02   | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-02   | Fe      | Grab Water    | D     | 34900   |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-02   | Hg      | Grab Water    | D     | 4.49    |           | 0.14  | 0.42  | ng/L | B251152 | S250508  |
| 2505417-02   | Mn      | Grab Water    | D     | 2390    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-02   | Ni      | Grab Water    | D     | 2.06    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-02   | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-02   | Sb      | Grab Water    | D     | 2.78    |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-02   | Se      | Grab Water    | D     | 0.502   | J         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-02   | V       | Grab Water    | D     | 43.5    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-02   | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW3R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-03  | Ag      | Grab Water    | TR    | 0.077   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-03  | Al      | Grab Water    | TR    | 2630    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-03  | As      | Grab Water    | TR    | 3.57    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-03  | Ba      | Grab Water    | TR    | 29.1    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-03  | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-03  | Co      | Grab Water    | TR    | 2.56    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-03  | Cr      | Grab Water    | TR    | 2.01    | J         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-03  | Cu      | Grab Water    | TR    | 25.3    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-03  | Fe      | Grab Water    | TR    | 1690    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-03  | Hg      | Grab Water    | TR    | 41.2    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-03  | Mn      | Grab Water    | TR    | 170     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-03  | Ni      | Grab Water    | TR    | 5.06    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-03  | Pb      | Grab Water    | TR    | 0.445   |           | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-03  | Sb      | Grab Water    | TR    | 0.509   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-03  | Se      | Grab Water    | TR    | 0.815   |           | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-03  | V       | Grab Water    | TR    | 10.9    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-03  | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW3R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-04  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-04  | Al      | Grab Water    | D     | 1580    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-04  | As      | Grab Water    | D     | 3.17    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-04  | Ba      | Grab Water    | D     | 24.3    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-04  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-04  | Co      | Grab Water    | D     | 2.25    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-04  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-04  | Cu      | Grab Water    | D     | 4.27    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-04  | Fe      | Grab Water    | D     | 1120    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-04  | Hg      | Grab Water    | D     | 9.32    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-04  | Mn      | Grab Water    | D     | 159     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-04  | Ni      | Grab Water    | D     | 4.40    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-04  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-04  | Sb      | Grab Water    | D     | 0.474   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-04  | Se      | Grab Water    | D     | 0.731   |           | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-04  | V       | Grab Water    | D     | 7.95    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-04  | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW8R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-05  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-05  | Al      | Grab Water    | TR    | 128     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-05  | As      | Grab Water    | TR    | 20.3    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-05  | Ba      | Grab Water    | TR    | 22.7    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-05  | Cd      | Grab Water    | TR    | 0.082   | J         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-05  | Co      | Grab Water    | TR    | 2.01    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-05  | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-05  | Cu      | Grab Water    | TR    | 1.54    | J         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-05  | Fe      | Grab Water    | TR    | 33100   |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-05  | Hg      | Grab Water    | TR    | 3.76    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-05  | Mn      | Grab Water    | TR    | 1430    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-05  | Ni      | Grab Water    | TR    | 1.75    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-05  | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-05  | Sb      | Grab Water    | TR    | 0.075   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-05  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-05  | V       | Grab Water    | TR    | 3.88    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-05  | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW8R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-06  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-06  | Al      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-06  | As      | Grab Water    | D     | 18.0    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-06  | Ba      | Grab Water    | D     | 16.1    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-06  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-06  | Co      | Grab Water    | D     | 1.99    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-06  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-06  | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-06  | Fe      | Grab Water    | D     | 31500   |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-06  | Hg      | Grab Water    | D     | 1.59    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-06  | Mn      | Grab Water    | D     | 1410    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-06  | Ni      | Grab Water    | D     | 1.65    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-06  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-06  | Sb      | Grab Water    | D     | 0.091   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-06  | Se      | Grab Water    | D     | 0.252   | J         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-06  | V       | Grab Water    | D     | 3.17    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-06  | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample     | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW1</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-07 | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-07 | Al      | Grab Water    | TR    | 121     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-07 | As      | Grab Water    | TR    | 1.54    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-07 | Ba      | Grab Water    | TR    | 6.07    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-07 | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-07 | Co      | Grab Water    | TR    | 3.24    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-07 | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-07 | Cu      | Grab Water    | TR    | 1.75    | J         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-07 | Fe      | Grab Water    | TR    | 4000    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-07 | Hg      | Grab Water    | TR    | 3.15    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-07 | Mn      | Grab Water    | TR    | 135     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-07 | Ni      | Grab Water    | TR    | 6.20    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-07 | Pb      | Grab Water    | TR    | 0.338   |           | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-07 | Sb      | Grab Water    | TR    | 0.060   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-07 | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-07 | V       | Grab Water    | TR    | 8.90    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-07 | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW1</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-08 | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-08 | Al      | Grab Water    | D     | 22.0    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-08 | As      | Grab Water    | D     | 1.39    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-08 | Ba      | Grab Water    | D     | 5.37    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-08 | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-08 | Co      | Grab Water    | D     | 3.28    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-08 | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-08 | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-08 | Fe      | Grab Water    | D     | 3790    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-08 | Hg      | Grab Water    | D     | 0.57    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-08 | Mn      | Grab Water    | D     | 130     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-08 | Ni      | Grab Water    | D     | 6.30    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-08 | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-08 | Sb      | Grab Water    | D     | 0.053   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-08 | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-08 | V       | Grab Water    | D     | 6.83    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-08 | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW4R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-09  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-09  | Al      | Grab Water    | TR    | 48.3    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-09  | As      | Grab Water    | TR    | 8.37    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-09  | Ba      | Grab Water    | TR    | 45.3    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-09  | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-09  | Co      | Grab Water    | TR    | 0.521   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-09  | Cr      | Grab Water    | TR    | 2.64    | J         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-09  | Cu      | Grab Water    | TR    | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-09  | Fe      | Grab Water    | TR    | 62700   |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-09  | Hg      | Grab Water    | TR    | 1.44    |           | 0.14  | 0.42  | ng/L | B251152 | S250508  |
| 2505417-09  | Mn      | Grab Water    | TR    | 3430    |           | 2.27  | 4.55  | µg/L | B251148 | S250505  |
| 2505417-09  | Ni      | Grab Water    | TR    | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-09  | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-09  | Sb      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-09  | Se      | Grab Water    | TR    | 0.292   | J         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-09  | V       | Grab Water    | TR    | 10.6    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-09  | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW4R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-10  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-10  | Al      | Grab Water    | D     | 24.4    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-10  | As      | Grab Water    | D     | 8.02    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-10  | Ba      | Grab Water    | D     | 45.5    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-10  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-10  | Co      | Grab Water    | D     | 0.546   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-10  | Cr      | Grab Water    | D     | 2.42    | J         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-10  | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-10  | Fe      | Grab Water    | D     | 62700   |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-10  | Hg      | Grab Water    | D     | 0.86    |           | 0.14  | 0.42  | ng/L | B251152 | S250508  |
| 2505417-10  | Mn      | Grab Water    | D     | 3430    |           | 2.27  | 4.55  | µg/L | B251148 | S250505  |
| 2505417-10  | Ni      | Grab Water    | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-10  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-10  | Sb      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-10  | Se      | Grab Water    | D     | 0.272   | J         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-10  | V       | Grab Water    | D     | 9.62    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-10  | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW10</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-11  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-11  | Al      | Grab Water    | TR    | 617     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-11  | As      | Grab Water    | TR    | 2.37    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-11  | Ba      | Grab Water    | TR    | 62.8    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-11  | Cd      | Grab Water    | TR    | 0.235   |           | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-11  | Co      | Grab Water    | TR    | 9.38    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-11  | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-11  | Cu      | Grab Water    | TR    | 7.40    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-11  | Fe      | Grab Water    | TR    | 7570    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-11  | Hg      | Grab Water    | TR    | 5.64    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-11  | Mn      | Grab Water    | TR    | 2390    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-11  | Ni      | Grab Water    | TR    | 9.15    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-11  | Pb      | Grab Water    | TR    | 0.120   | J         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-11  | Sb      | Grab Water    | TR    | 0.099   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-11  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-11  | V       | Grab Water    | TR    | 2.28    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-11  | Zn      | Grab Water    | TR    | 13.9    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW10</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-12  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-12  | Al      | Grab Water    | D     | 26.2    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-12  | As      | Grab Water    | D     | 1.56    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-12  | Ba      | Grab Water    | D     | 58.6    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-12  | Cd      | Grab Water    | D     | 0.206   |           | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-12  | Co      | Grab Water    | D     | 9.56    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-12  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-12  | Cu      | Grab Water    | D     | 6.00    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-12  | Fe      | Grab Water    | D     | 6720    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-12  | Hg      | Grab Water    | D     | 3.60    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-12  | Mn      | Grab Water    | D     | 2400    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-12  | Ni      | Grab Water    | D     | 8.75    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-12  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-12  | Sb      | Grab Water    | D     | 0.068   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-12  | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-12  | V       | Grab Water    | D     | 1.47    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-12  | Zn      | Grab Water    | D     | 12.8    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW9R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-13  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-13  | Al      | Grab Water    | TR    | 3150    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-13  | As      | Grab Water    | TR    | 5.31    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-13  | Ba      | Grab Water    | TR    | 134     |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-13  | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-13  | Co      | Grab Water    | TR    | 3.14    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-13  | Cr      | Grab Water    | TR    | 3.46    | J         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-13  | Cu      | Grab Water    | TR    | 6.02    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-13  | Fe      | Grab Water    | TR    | 120000  |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-13  | Hg      | Grab Water    | TR    | 6.68    |           | 0.14  | 0.42  | ng/L | B251152 | S250508  |
| 2505417-13  | Mn      | Grab Water    | TR    | 2940    |           | 2.27  | 4.55  | µg/L | B251148 | S250505  |
| 2505417-13  | Ni      | Grab Water    | TR    | 3.40    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-13  | Pb      | Grab Water    | TR    | 0.845   |           | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-13  | Sb      | Grab Water    | TR    | 1.67    |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-13  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-13  | V       | Grab Water    | TR    | 9.43    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-13  | Zn      | Grab Water    | TR    | 76.5    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW9R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-14  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-14  | Al      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-14  | As      | Grab Water    | D     | 4.82    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-14  | Ba      | Grab Water    | D     | 121     |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-14  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-14  | Co      | Grab Water    | D     | 2.00    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-14  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-14  | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-14  | Fe      | Grab Water    | D     | 120000  |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-14  | Hg      | Grab Water    | D     | 0.62    |           | 0.14  | 0.42  | ng/L | B251152 | S250508  |
| 2505417-14  | Mn      | Grab Water    | D     | 2900    |           | 2.27  | 4.55  | µg/L | B251148 | S250505  |
| 2505417-14  | Ni      | Grab Water    | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-14  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-14  | Sb      | Grab Water    | D     | 1.72    |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-14  | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-14  | V       | Grab Water    | D     | 0.959   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-14  | Zn      | Grab Water    | D     | 70.5    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample     | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW2</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-15 | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-15 | Al      | Grab Water    | TR    | 160     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-15 | As      | Grab Water    | TR    | 1.17    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-15 | Ba      | Grab Water    | TR    | 5.93    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-15 | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-15 | Co      | Grab Water    | TR    | 1.80    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-15 | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-15 | Cu      | Grab Water    | TR    | 1.70    | J         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-15 | Fe      | Grab Water    | TR    | 3970    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-15 | Hg      | Grab Water    | TR    | 3.21    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-15 | Mn      | Grab Water    | TR    | 184     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-15 | Ni      | Grab Water    | TR    | 4.33    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-15 | Pb      | Grab Water    | TR    | 0.149   | J         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-15 | Sb      | Grab Water    | TR    | 0.094   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-15 | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-15 | V       | Grab Water    | TR    | 3.91    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-15 | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW2</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-16 | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-16 | Al      | Grab Water    | D     | 20.0    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-16 | As      | Grab Water    | D     | 1.11    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-16 | Ba      | Grab Water    | D     | 4.09    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-16 | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-16 | Co      | Grab Water    | D     | 1.63    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-16 | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-16 | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-16 | Fe      | Grab Water    | D     | 3760    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-16 | Hg      | Grab Water    | D     | 0.98    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-16 | Mn      | Grab Water    | D     | 185     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-16 | Ni      | Grab Water    | D     | 3.95    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-16 | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-16 | Sb      | Grab Water    | D     | 0.095   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-16 | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-16 | V       | Grab Water    | D     | 3.04    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-16 | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW11</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-17  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-17  | Al      | Grab Water    | TR    | 184     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-17  | As      | Grab Water    | TR    | 0.416   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-17  | Ba      | Grab Water    | TR    | 5.53    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-17  | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-17  | Co      | Grab Water    | TR    | 1.42    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-17  | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-17  | Cu      | Grab Water    | TR    | 2.54    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-17  | Fe      | Grab Water    | TR    | 284     |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-17  | Hg      | Grab Water    | TR    | 1.11    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-17  | Mn      | Grab Water    | TR    | 150     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-17  | Ni      | Grab Water    | TR    | 2.67    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-17  | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-17  | Sb      | Grab Water    | TR    | 0.082   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-17  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-17  | V       | Grab Water    | TR    | 1.35    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-17  | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW11</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-18  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-18  | Al      | Grab Water    | D     | 30.0    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-18  | As      | Grab Water    | D     | 0.316   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-18  | Ba      | Grab Water    | D     | 4.36    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-18  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-18  | Co      | Grab Water    | D     | 1.29    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-18  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-18  | Cu      | Grab Water    | D     | 2.54    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-18  | Fe      | Grab Water    | D     | 52.1    | J         | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-18  | Hg      | Grab Water    | D     | 0.39    | J         | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-18  | Mn      | Grab Water    | D     | 134     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-18  | Ni      | Grab Water    | D     | 2.26    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-18  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-18  | Sb      | Grab Water    | D     | 0.066   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-18  | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-18  | V       | Grab Water    | D     | 0.910   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-18  | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample          | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-----------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>DUP-0525</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-19      | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-19      | Al      | Grab Water    | TR    | 83.9    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-19      | As      | Grab Water    | TR    | 0.361   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-19      | Ba      | Grab Water    | TR    | 43.0    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-19      | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-19      | Co      | Grab Water    | TR    | 0.160   | J         | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-19      | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-19      | Cu      | Grab Water    | TR    | 3.65    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-19      | Fe      | Grab Water    | TR    | 202     |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-19      | Hg      | Grab Water    | TR    | 2.17    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-19      | Mn      | Grab Water    | TR    | 18.2    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-19      | Ni      | Grab Water    | TR    | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-19      | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-19      | Sb      | Grab Water    | TR    | 0.515   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-19      | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-19      | V       | Grab Water    | TR    | 1.53    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-19      | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>DUP-0525</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-20      | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-20      | Al      | Grab Water    | D     | 50.8    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-20      | As      | Grab Water    | D     | 0.269   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-20      | Ba      | Grab Water    | D     | 43.9    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-20      | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-20      | Co      | Grab Water    | D     | 0.147   | J         | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-20      | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-20      | Cu      | Grab Water    | D     | 3.18    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-20      | Fe      | Grab Water    | D     | 42.4    | J         | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-20      | Hg      | Grab Water    | D     | 1.28    |           | 0.13  | 0.41  | ng/L | B251152 | S250508  |
| 2505417-20      | Mn      | Grab Water    | D     | 19.3    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-20      | Ni      | Grab Water    | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-20      | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-20      | Sb      | Grab Water    | D     | 0.460   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-20      | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-20      | V       | Grab Water    | D     | 1.06    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-20      | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW6R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-21  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-21  | Al      | Grab Water    | TR    | 232     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-21  | As      | Grab Water    | TR    | 1.85    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-21  | Ba      | Grab Water    | TR    | 122     |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-21  | Cd      | Grab Water    | TR    | 0.124   | J         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-21  | Co      | Grab Water    | TR    | 36.0    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-21  | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-21  | Cu      | Grab Water    | TR    | 0.994   | J         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-21  | Fe      | Grab Water    | TR    | 7000    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-21  | Hg      | Grab Water    | TR    | 1.17    |           | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-21  | Mn      | Grab Water    | TR    | 1700    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-21  | Ni      | Grab Water    | TR    | 40.0    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-21  | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-21  | Sb      | Grab Water    | TR    | 0.052   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-21  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-21  | V       | Grab Water    | TR    | 1.43    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-21  | Zn      | Grab Water    | TR    | 18.8    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW6R</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-22  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-22  | Al      | Grab Water    | D     | 191     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-22  | As      | Grab Water    | D     | 2.08    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-22  | Ba      | Grab Water    | D     | 120     |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-22  | Cd      | Grab Water    | D     | 0.112   | J         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-22  | Co      | Grab Water    | D     | 36.3    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-22  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-22  | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-22  | Fe      | Grab Water    | D     | 7310    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-22  | Hg      | Grab Water    | D     | 0.58    |           | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-22  | Mn      | Grab Water    | D     | 1710    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-22  | Ni      | Grab Water    | D     | 39.1    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-22  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-22  | Sb      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-22  | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-22  | V       | Grab Water    | D     | 1.26    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-22  | Zn      | Grab Water    | D     | 19.0    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW12</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-23  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-23  | Al      | Grab Water    | TR    | 42.5    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-23  | As      | Grab Water    | TR    | 7.18    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-23  | Ba      | Grab Water    | TR    | 56.9    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-23  | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-23  | Co      | Grab Water    | TR    | 0.988   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-23  | Cr      | Grab Water    | TR    | 2.73    | J         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-23  | Cu      | Grab Water    | TR    | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-23  | Fe      | Grab Water    | TR    | 117000  |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-23  | Hg      | Grab Water    | TR    | 0.30    | J         | 0.14  | 0.42  | ng/L | B251153 | S250508  |
| 2505417-23  | Mn      | Grab Water    | TR    | 3020    |           | 2.27  | 4.55  | µg/L | B251148 | S250505  |
| 2505417-23  | Ni      | Grab Water    | TR    | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-23  | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-23  | Sb      | Grab Water    | TR    | 0.077   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-23  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-23  | V       | Grab Water    | TR    | 6.61    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-23  | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW12</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-24  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-24  | Al      | Grab Water    | D     | 14.6    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-24  | As      | Grab Water    | D     | 7.14    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-24  | Ba      | Grab Water    | D     | 55.2    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-24  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-24  | Co      | Grab Water    | D     | 0.943   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-24  | Cr      | Grab Water    | D     | 2.54    | J         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-24  | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-24  | Fe      | Grab Water    | D     | 111000  |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-24  | Hg      | Grab Water    | D     | ≤ 0.14  | U         | 0.14  | 0.42  | ng/L | B251153 | S250508  |
| 2505417-24  | Mn      | Grab Water    | D     | 2970    |           | 2.27  | 4.55  | µg/L | B251148 | S250505  |
| 2505417-24  | Ni      | Grab Water    | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-24  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-24  | Sb      | Grab Water    | D     | 0.070   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-24  | Se      | Grab Water    | D     | 0.244   | J         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-24  | V       | Grab Water    | D     | 6.03    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-24  | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample     | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW7</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-25 | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-25 | Al      | Grab Water    | TR    | 85.7    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-25 | As      | Grab Water    | TR    | 0.341   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-25 | Ba      | Grab Water    | TR    | 44.2    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-25 | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-25 | Co      | Grab Water    | TR    | 0.150   | J         | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-25 | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-25 | Cu      | Grab Water    | TR    | 3.73    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-25 | Fe      | Grab Water    | TR    | 216     |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-25 | Hg      | Grab Water    | TR    | 2.05    |           | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-25 | Mn      | Grab Water    | TR    | 18.4    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-25 | Ni      | Grab Water    | TR    | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-25 | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-25 | Sb      | Grab Water    | TR    | 0.488   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-25 | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-25 | V       | Grab Water    | TR    | 1.52    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-25 | Zn      | Grab Water    | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW7</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-26 | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-26 | Al      | Grab Water    | D     | 50.4    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-26 | As      | Grab Water    | D     | 0.263   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-26 | Ba      | Grab Water    | D     | 43.1    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-26 | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-26 | Co      | Grab Water    | D     | 0.151   | J         | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-26 | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-26 | Cu      | Grab Water    | D     | 3.43    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-26 | Fe      | Grab Water    | D     | 45.1    | J         | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-26 | Hg      | Grab Water    | D     | 1.10    |           | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-26 | Mn      | Grab Water    | D     | 19.3    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-26 | Ni      | Grab Water    | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-26 | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-26 | Sb      | Grab Water    | D     | 0.471   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-26 | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-26 | V       | Grab Water    | D     | 1.04    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-26 | Zn      | Grab Water    | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW13</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-27  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-27  | Al      | Grab Water    | TR    | 139     |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-27  | As      | Grab Water    | TR    | 1.52    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-27  | Ba      | Grab Water    | TR    | 13.5    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-27  | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-27  | Co      | Grab Water    | TR    | 4.26    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-27  | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-27  | Cu      | Grab Water    | TR    | 1.18    | J         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-27  | Fe      | Grab Water    | TR    | 6730    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-27  | Hg      | Grab Water    | TR    | 1.42    |           | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-27  | Mn      | Grab Water    | TR    | 306     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-27  | Ni      | Grab Water    | TR    | 5.18    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-27  | Pb      | Grab Water    | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-27  | Sb      | Grab Water    | TR    | 0.082   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-27  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-27  | V       | Grab Water    | TR    | 3.77    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-27  | Zn      | Grab Water    | TR    | 13.9    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW13</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-28  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-28  | Al      | Grab Water    | D     | 26.7    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-28  | As      | Grab Water    | D     | 1.45    |           | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-28  | Ba      | Grab Water    | D     | 13.0    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-28  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-28  | Co      | Grab Water    | D     | 4.48    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-28  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-28  | Cu      | Grab Water    | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-28  | Fe      | Grab Water    | D     | 6080    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-28  | Hg      | Grab Water    | D     | 0.34    | J         | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-28  | Mn      | Grab Water    | D     | 316     |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-28  | Ni      | Grab Water    | D     | 5.29    |           | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-28  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-28  | Sb      | Grab Water    | D     | 0.067   | J         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-28  | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-28  | V       | Grab Water    | D     | 3.15    |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-28  | Zn      | Grab Water    | D     | 12.3    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW14</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-29  | Ag      | Grab Water    | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-29  | Al      | Grab Water    | TR    | 95.0    |           | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-29  | As      | Grab Water    | TR    | 0.342   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-29  | Ba      | Grab Water    | TR    | 9.88    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-29  | Cd      | Grab Water    | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-29  | Co      | Grab Water    | TR    | 0.319   | J         | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-29  | Cr      | Grab Water    | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-29  | Cu      | Grab Water    | TR    | 7.19    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-29  | Fe      | Grab Water    | TR    | 91.5    |           | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-29  | Hg      | Grab Water    | TR    | 1.92    |           | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-29  | Mn      | Grab Water    | TR    | 17.3    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-29  | Ni      | Grab Water    | TR    | 1.55    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-29  | Pb      | Grab Water    | TR    | 0.098   | J         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-29  | Sb      | Grab Water    | TR    | 0.290   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-29  | Se      | Grab Water    | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-29  | V       | Grab Water    | TR    | 0.770   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-29  | Zn      | Grab Water    | TR    | 17.9    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| <b>MW14</b> |         |               |       |         |           |       |       |      |         |          |
| 2505417-30  | Ag      | Grab Water    | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-30  | Al      | Grab Water    | D     | 21.7    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |
| 2505417-30  | As      | Grab Water    | D     | 0.308   | J         | 0.222 | 0.727 | µg/L | B251148 | S250505  |
| 2505417-30  | Ba      | Grab Water    | D     | 9.39    |           | 0.354 | 0.707 | µg/L | B251148 | S250505  |
| 2505417-30  | Cd      | Grab Water    | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-30  | Co      | Grab Water    | D     | 0.327   | J         | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-30  | Cr      | Grab Water    | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B251148 | S250505  |
| 2505417-30  | Cu      | Grab Water    | D     | 6.62    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-30  | Fe      | Grab Water    | D     | ≤ 18.2  | U         | 18.2  | 54.5  | µg/L | B251148 | S250505  |
| 2505417-30  | Hg      | Grab Water    | D     | 0.99    |           | 0.13  | 0.41  | ng/L | B251153 | S250508  |
| 2505417-30  | Mn      | Grab Water    | D     | 16.0    |           | 0.909 | 1.82  | µg/L | B251148 | S250505  |
| 2505417-30  | Ni      | Grab Water    | D     | 1.41    | J         | 1.21  | 3.64  | µg/L | B251148 | S250505  |
| 2505417-30  | Pb      | Grab Water    | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B251148 | S250505  |
| 2505417-30  | Sb      | Grab Water    | D     | 0.280   |           | 0.051 | 0.152 | µg/L | B251148 | S250505  |
| 2505417-30  | Se      | Grab Water    | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B251148 | S250505  |
| 2505417-30  | V       | Grab Water    | D     | 0.588   |           | 0.131 | 0.455 | µg/L | B251148 | S250505  |
| 2505417-30  | Zn      | Grab Water    | D     | 19.1    | J         | 12.1  | 24.2  | µg/L | B251148 | S250505  |



## Accuracy & Precision Summary

Batch: B251148  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample      | Analyte                | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|-------------|------------------------|--------|-------|--------|-------|--------------|--------------|
| B251148-BS1 | Blank Spike, (2522021) |        |       |        |       |              |              |
|             | Ag                     |        | 5.556 | 5.690  | µg/L  | 102% 75-125  |              |
|             | Al                     |        | 555.6 | 638.9  | µg/L  | 115% 75-125  |              |
|             | As                     |        | 55.56 | 57.38  | µg/L  | 103% 75-125  |              |
|             | Ba                     |        | 55.56 | 59.18  | µg/L  | 107% 75-125  |              |
|             | Cd                     |        | 5.556 | 5.743  | µg/L  | 103% 75-125  |              |
|             | Co                     |        | 55.56 | 58.01  | µg/L  | 104% 75-125  |              |
|             | Cr                     |        | 55.56 | 58.54  | µg/L  | 105% 75-125  |              |
|             | Cu                     |        | 55.56 | 58.28  | µg/L  | 105% 75-125  |              |
|             | Fe                     |        | 555.6 | 559.7  | µg/L  | 101% 75-125  |              |
|             | Mn                     |        | 55.56 | 56.35  | µg/L  | 101% 75-125  |              |
|             | Ni                     |        | 55.56 | 57.29  | µg/L  | 103% 75-125  |              |
|             | Pb                     |        | 5.556 | 5.810  | µg/L  | 105% 75-125  |              |
|             | Sb                     |        | 5.556 | 5.651  | µg/L  | 102% 75-125  |              |
|             | Se                     |        | 55.56 | 55.72  | µg/L  | 100% 75-125  |              |
|             | V                      |        | 55.56 | 57.62  | µg/L  | 104% 75-125  |              |
|             | Zn                     |        | 55.56 | 56.88  | µg/L  | 102% 75-125  |              |
| B251148-BS2 | Blank Spike, (2522021) |        |       |        |       |              |              |
|             | Ag                     |        | 5.556 | 5.799  | µg/L  | 104% 75-125  |              |
|             | Al                     |        | 555.6 | 637.7  | µg/L  | 115% 75-125  |              |
|             | As                     |        | 55.56 | 57.27  | µg/L  | 103% 75-125  |              |
|             | Ba                     |        | 55.56 | 59.96  | µg/L  | 108% 75-125  |              |
|             | Cd                     |        | 5.556 | 5.754  | µg/L  | 104% 75-125  |              |
|             | Co                     |        | 55.56 | 57.87  | µg/L  | 104% 75-125  |              |
|             | Cr                     |        | 55.56 | 58.36  | µg/L  | 105% 75-125  |              |
|             | Cu                     |        | 55.56 | 58.13  | µg/L  | 105% 75-125  |              |
|             | Fe                     |        | 555.6 | 559.2  | µg/L  | 101% 75-125  |              |
|             | Mn                     |        | 55.56 | 56.97  | µg/L  | 103% 75-125  |              |
|             | Ni                     |        | 55.56 | 57.74  | µg/L  | 104% 75-125  |              |
|             | Pb                     |        | 5.556 | 5.811  | µg/L  | 105% 75-125  |              |
|             | Sb                     |        | 5.556 | 5.743  | µg/L  | 103% 75-125  |              |
|             | Se                     |        | 55.56 | 54.89  | µg/L  | 99% 75-125   |              |
|             | V                      |        | 55.56 | 57.24  | µg/L  | 103% 75-125  |              |
|             | Zn                     |        | 55.56 | 57.23  | µg/L  | 103% 75-125  |              |



## Accuracy & Precision Summary

Batch: B251148  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike  | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|--------|--------|-------|--------------|--------------|
| B251148-SRM1 | Reference Material (2452045, NIST 1643f) |        |        |        |       |              |              |
|              | Ba                                       |        | 518.2  | 556.2  | µg/L  | 107% 75-125  |              |
|              | Sb                                       |        | 55.45  | 58.80  | µg/L  | 106% 75-125  |              |
| B251148-SRM2 | Reference Material (2452045, NIST 1643f) |        |        |        |       |              |              |
|              | Ba                                       |        | 518.2  | 565.4  | µg/L  | 109% 75-125  |              |
|              | Sb                                       |        | 55.45  | 57.49  | µg/L  | 104% 75-125  |              |
| B251148-SRM3 | Reference Material (2452045, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 1.023  | µg/L  | 105% 75-125  |              |
|              | Al                                       |        | 133.8  | 135.0  | µg/L  | 101% 75-125  |              |
|              | As                                       |        | 57.42  | 59.61  | µg/L  | 104% 75-125  |              |
|              | Cd                                       |        | 5.890  | 6.015  | µg/L  | 102% 75-125  |              |
|              | Co                                       |        | 25.30  | 25.90  | µg/L  | 102% 75-125  |              |
|              | Cr                                       |        | 18.50  | 19.61  | µg/L  | 106% 75-125  |              |
|              | Cu                                       |        | 21.66  | 22.27  | µg/L  | 103% 75-125  |              |
|              | Fe                                       |        | 93.44  | 95.77  | µg/L  | 102% 75-125  |              |
|              | Mn                                       |        | 37.14  | 38.40  | µg/L  | 103% 75-125  |              |
|              | Ni                                       |        | 59.80  | 59.65  | µg/L  | 100% 75-125  |              |
|              | Pb                                       |        | 18.49  | 19.53  | µg/L  | 106% 75-125  |              |
|              | Se                                       |        | 11.70  | 11.29  | µg/L  | 97% 75-125   |              |
|              | V                                        |        | 36.07  | 37.62  | µg/L  | 104% 75-125  |              |
|              | Zn                                       |        | 74.40  | 77.15  | µg/L  | 104% 75-125  |              |



## Accuracy & Precision Summary

Batch: B251148  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike  | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|--------|--------|-------|--------------|--------------|
| B251148-SRM4 | Reference Material (2452045, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 1.029  | µg/L  | 106% 75-125  |              |
|              | Al                                       |        | 133.8  | 138.2  | µg/L  | 103% 75-125  |              |
|              | As                                       |        | 57.42  | 59.32  | µg/L  | 103% 75-125  |              |
|              | Cd                                       |        | 5.890  | 6.221  | µg/L  | 106% 75-125  |              |
|              | Co                                       |        | 25.30  | 25.98  | µg/L  | 103% 75-125  |              |
|              | Cr                                       |        | 18.50  | 19.99  | µg/L  | 108% 75-125  |              |
|              | Cu                                       |        | 21.66  | 22.82  | µg/L  | 105% 75-125  |              |
|              | Fe                                       |        | 93.44  | 98.43  | µg/L  | 105% 75-125  |              |
|              | Mn                                       |        | 37.14  | 39.30  | µg/L  | 106% 75-125  |              |
|              | Ni                                       |        | 59.80  | 60.96  | µg/L  | 102% 75-125  |              |
|              | Pb                                       |        | 18.49  | 19.72  | µg/L  | 107% 75-125  |              |
|              | Se                                       |        | 11.70  | 11.61  | µg/L  | 99% 75-125   |              |
|              | V                                        |        | 36.07  | 38.25  | µg/L  | 106% 75-125  |              |
|              | Zn                                       |        | 74.40  | 78.48  | µg/L  | 105% 75-125  |              |
| B251148-DUP1 | Duplicate, (2505417-01)                  |        |        |        |       |              |              |
|              | Ag                                       | ND     |        | ND     | µg/L  |              | N/C 20       |
|              | Al                                       | 1303   |        | 1235   | µg/L  |              | 5% 20        |
|              | As                                       | 22.83  |        | 22.61  | µg/L  |              | 0.9% 20      |
|              | Ba                                       | 70.72  |        | 69.03  | µg/L  |              | 2% 20        |
|              | Cd                                       | ND     |        | ND     | µg/L  |              | N/C 20       |
|              | Co                                       | 2.045  |        | 2.088  | µg/L  |              | 2% 20        |
|              | Cr                                       | 7.027  |        | 6.903  | µg/L  |              | 2% 20        |
|              | Cu                                       | 9.059  |        | 9.179  | µg/L  |              | 1% 20        |
|              | Fe                                       | 36060  |        | 35810  | µg/L  |              | 0.7% 20      |
|              | Mn                                       | 2326   |        | 2344   | µg/L  |              | 0.8% 20      |
|              | Ni                                       | 2.758  |        | 2.752  | µg/L  |              | 0.2% 20      |
|              | Pb                                       | 1.332  |        | 1.281  | µg/L  |              | 4% 20        |
|              | Sb                                       | 2.884  |        | 2.854  | µg/L  |              | 1% 20        |
|              | Se                                       | 0.600  |        | 0.485  | µg/L  |              | 21% 20       |
|              | V                                        | 59.79  |        | 59.29  | µg/L  |              | 0.8% 20      |
|              | Zn                                       | ND     |        | ND     | µg/L  |              | N/C 20       |



## Accuracy & Precision Summary

Batch: B251148  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits |        | RPD & Limits |    |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------|--------------|----|
| B251148-MS1  | Matrix Spike, (2505417-01)           |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 5.677  | µg/L  | 101%         | 75-125 |              |    |
|              | Al                                   | 1303   | 561.2 | 1923   | µg/L  | 111%         | 75-125 |              |    |
|              | As                                   | 22.83  | 56.12 | 80.63  | µg/L  | 103%         | 75-125 |              |    |
|              | Ba                                   | 70.72  | 56.12 | 129.4  | µg/L  | 105%         | 75-125 |              |    |
|              | Cd                                   | ND     | 5.612 | 5.827  | µg/L  | 104%         | 75-125 |              |    |
|              | Co                                   | 2.045  | 56.12 | 59.40  | µg/L  | 102%         | 75-125 |              |    |
|              | Cr                                   | 7.027  | 56.12 | 65.99  | µg/L  | 105%         | 75-125 |              |    |
|              | Cu                                   | 9.059  | 56.12 | 67.57  | µg/L  | 104%         | 75-125 |              |    |
|              | Fe                                   | 36060  | 561.2 | 35850  | µg/L  | NR           | 75-125 |              |    |
|              | Mn                                   | 2326   | 56.12 | 2361   | µg/L  | NR           | 75-125 |              |    |
|              | Ni                                   | 2.758  | 56.12 | 59.76  | µg/L  | 102%         | 75-125 |              |    |
|              | Pb                                   | 1.332  | 5.612 | 7.066  | µg/L  | 102%         | 75-125 |              |    |
|              | Sb                                   | 2.884  | 5.612 | 8.634  | µg/L  | 102%         | 75-125 |              |    |
|              | Se                                   | 0.600  | 56.12 | 57.41  | µg/L  | 101%         | 75-125 |              |    |
|              | V                                    | 59.79  | 56.12 | 115.2  | µg/L  | 99%          | 75-125 |              |    |
|              | Zn                                   | ND     | 56.12 | 62.34  | µg/L  | 111%         | 75-125 |              |    |
| B251148-MSD1 | Matrix Spike Duplicate, (2505417-01) |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 5.652  | µg/L  | 101%         | 75-125 | 0.5%         | 20 |
|              | Al                                   | 1303   | 561.2 | 1987   | µg/L  | 122%         | 75-125 | 3%           | 20 |
|              | As                                   | 22.83  | 56.12 | 82.33  | µg/L  | 106%         | 75-125 | 2%           | 20 |
|              | Ba                                   | 70.72  | 56.12 | 130.0  | µg/L  | 106%         | 75-125 | 0.5%         | 20 |
|              | Cd                                   | ND     | 5.612 | 5.728  | µg/L  | 102%         | 75-125 | 2%           | 20 |
|              | Co                                   | 2.045  | 56.12 | 60.92  | µg/L  | 105%         | 75-125 | 3%           | 20 |
|              | Cr                                   | 7.027  | 56.12 | 66.47  | µg/L  | 106%         | 75-125 | 0.7%         | 20 |
|              | Cu                                   | 9.059  | 56.12 | 67.69  | µg/L  | 104%         | 75-125 | 0.2%         | 20 |
|              | Fe                                   | 36060  | 561.2 | 36680  | µg/L  | NR           | 75-125 | N/C          | 20 |
|              | Mn                                   | 2326   | 56.12 | 2409   | µg/L  | NR           | 75-125 | N/C          | 20 |
|              | Ni                                   | 2.758  | 56.12 | 61.29  | µg/L  | 104%         | 75-125 | 3%           | 20 |
|              | Pb                                   | 1.332  | 5.612 | 7.057  | µg/L  | 102%         | 75-125 | 0.1%         | 20 |
|              | Sb                                   | 2.884  | 5.612 | 8.722  | µg/L  | 104%         | 75-125 | 1%           | 20 |
|              | Se                                   | 0.600  | 56.12 | 57.87  | µg/L  | 102%         | 75-125 | 0.8%         | 20 |
|              | V                                    | 59.79  | 56.12 | 120.1  | µg/L  | 107%         | 75-125 | 4%           | 20 |
|              | Zn                                   | ND     | 56.12 | 62.92  | µg/L  | 112%         | 75-125 | 0.9%         | 20 |



## Accuracy & Precision Summary

Batch: B251148  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                    | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|----------------------------|--------|-------|--------|-------|--------------|--------------|
| B251148-DUP2 | Duplicate, (2505417-03)    |        |       |        |       |              |              |
|              | Ag                         | 0.077  |       | 0.076  | µg/L  |              | 1% 20        |
|              | Al                         | 2627   |       | 2656   | µg/L  |              | 1% 20        |
|              | As                         | 3.573  |       | 3.630  | µg/L  |              | 2% 20        |
|              | Ba                         | 29.12  |       | 29.68  | µg/L  |              | 2% 20        |
|              | Cd                         | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | Co                         | 2.556  |       | 2.661  | µg/L  |              | 4% 20        |
|              | Cr                         | 2.007  |       | 2.079  | µg/L  |              | 4% 20        |
|              | Cu                         | 25.32  |       | 26.29  | µg/L  |              | 4% 20        |
|              | Fe                         | 1690   |       | 1749   | µg/L  |              | 3% 20        |
|              | Mn                         | 169.5  |       | 171.9  | µg/L  |              | 1% 20        |
|              | Ni                         | 5.062  |       | 5.149  | µg/L  |              | 2% 20        |
|              | Pb                         | 0.445  |       | 0.450  | µg/L  |              | 1% 20        |
|              | Sb                         | 0.509  |       | 0.523  | µg/L  |              | 3% 20        |
|              | Se                         | 0.815  |       | 0.839  | µg/L  |              | 3% 20        |
|              | V                          | 10.93  |       | 11.36  | µg/L  |              | 4% 20        |
|              | Zn                         | ND     |       | ND     | µg/L  |              | N/C 20       |
| B251148-MS2  | Matrix Spike, (2505417-03) |        |       |        |       |              |              |
|              | Ag                         | 0.077  | 5.612 | 5.669  | µg/L  | 100% 75-125  |              |
|              | Al                         | 2627   | 561.2 | 3226   | µg/L  | NR 75-125    |              |
|              | As                         | 3.573  | 56.12 | 63.58  | µg/L  | 107% 75-125  |              |
|              | Ba                         | 29.12  | 56.12 | 88.57  | µg/L  | 106% 75-125  |              |
|              | Cd                         | ND     | 5.612 | 5.902  | µg/L  | 105% 75-125  |              |
|              | Co                         | 2.556  | 56.12 | 61.66  | µg/L  | 105% 75-125  |              |
|              | Cr                         | 2.007  | 56.12 | 59.75  | µg/L  | 103% 75-125  |              |
|              | Cu                         | 25.32  | 56.12 | 83.84  | µg/L  | 104% 75-125  |              |
|              | Fe                         | 1690   | 561.2 | 2342   | µg/L  | 116% 75-125  |              |
|              | Mn                         | 169.5  | 56.12 | 228.2  | µg/L  | 105% 75-125  |              |
|              | Ni                         | 5.062  | 56.12 | 62.66  | µg/L  | 103% 75-125  |              |
|              | Pb                         | 0.445  | 5.612 | 6.173  | µg/L  | 102% 75-125  |              |
|              | Sb                         | 0.509  | 5.612 | 6.358  | µg/L  | 104% 75-125  |              |
|              | Se                         | 0.815  | 56.12 | 56.86  | µg/L  | 100% 75-125  |              |
|              | V                          | 10.93  | 56.12 | 71.25  | µg/L  | 107% 75-125  |              |
|              | Zn                         | ND     | 56.12 | 62.09  | µg/L  | 111% 75-125  |              |



## Accuracy & Precision Summary

Batch: B251148  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B251148-MSD2 | Matrix Spike Duplicate, (2505417-03) |        |       |        |       |              |              |
|              | Ag                                   | 0.077  | 5.612 | 5.614  | µg/L  | 99% 75-125   | 1% 20        |
|              | Al                                   | 2627   | 561.2 | 3102   | µg/L  | NR 75-125    | N/C 20       |
|              | As                                   | 3.573  | 56.12 | 61.36  | µg/L  | 103% 75-125  | 4% 20        |
|              | Ba                                   | 29.12  | 56.12 | 87.61  | µg/L  | 104% 75-125  | 1% 20        |
|              | Cd                                   | ND     | 5.612 | 5.577  | µg/L  | 99% 75-125   | 6% 20        |
|              | Co                                   | 2.556  | 56.12 | 59.05  | µg/L  | 101% 75-125  | 4% 20        |
|              | Cr                                   | 2.007  | 56.12 | 59.84  | µg/L  | 103% 75-125  | 0.2% 20      |
|              | Cu                                   | 25.32  | 56.12 | 83.50  | µg/L  | 104% 75-125  | 0.4% 20      |
|              | Fe                                   | 1690   | 561.2 | 2230   | µg/L  | 96% 75-125   | 5% 20        |
|              | Mn                                   | 169.5  | 56.12 | 222.4  | µg/L  | 94% 75-125   | 3% 20        |
|              | Ni                                   | 5.062  | 56.12 | 61.31  | µg/L  | 100% 75-125  | 2% 20        |
|              | Pb                                   | 0.445  | 5.612 | 5.937  | µg/L  | 98% 75-125   | 4% 20        |
|              | Sb                                   | 0.509  | 5.612 | 6.189  | µg/L  | 101% 75-125  | 3% 20        |
|              | Se                                   | 0.815  | 56.12 | 56.03  | µg/L  | 98% 75-125   | 1% 20        |
|              | V                                    | 10.93  | 56.12 | 68.07  | µg/L  | 102% 75-125  | 5% 20        |
|              | Zn                                   | ND     | 56.12 | 63.20  | µg/L  | 113% 75-125  | 2% 20        |
| B251148-DUP3 | Duplicate, (2505417-05)              |        |       |        |       |              |              |
|              | Ag                                   | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | Al                                   | 127.5  |       | 135.5  | µg/L  |              | 6% 20        |
|              | As                                   | 20.35  |       | 20.29  | µg/L  |              | 0.3% 20      |
|              | Ba                                   | 22.68  |       | 23.03  | µg/L  |              | 2% 20        |
|              | Cd                                   | 0.082  |       | 0.071  | µg/L  |              | 14% 20       |
|              | Co                                   | 2.010  |       | 2.026  | µg/L  |              | 0.8% 20      |
|              | Cr                                   | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | Cu                                   | 1.544  |       | 1.655  | µg/L  |              | 7% 20        |
|              | Fe                                   | 33120  |       | 33460  | µg/L  |              | 1% 20        |
|              | Mn                                   | 1431   |       | 1442   | µg/L  |              | 0.8% 20      |
|              | Ni                                   | 1.751  |       | 1.886  | µg/L  |              | 7% 20        |
|              | Pb                                   | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | Sb                                   | 0.075  |       | 0.078  | µg/L  |              | 4% 20        |
|              | Se                                   | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | V                                    | 3.881  |       | 3.731  | µg/L  |              | 4% 20        |
|              | Zn                                   | ND     |       | ND     | µg/L  |              | N/C 20       |



## Accuracy & Precision Summary

Batch: B251148  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B251148-MS3  | Matrix Spike, (2505417-05)           |        |       |        |       |              |              |
|              | Ag                                   | ND     | 5.612 | 5.775  | µg/L  | 103% 75-125  |              |
|              | Al                                   | 127.5  | 561.2 | 769.5  | µg/L  | 114% 75-125  |              |
|              | As                                   | 20.35  | 56.12 | 78.65  | µg/L  | 104% 75-125  |              |
|              | Ba                                   | 22.68  | 56.12 | 83.27  | µg/L  | 108% 75-125  |              |
|              | Cd                                   | 0.082  | 5.612 | 5.954  | µg/L  | 105% 75-125  |              |
|              | Co                                   | 2.010  | 56.12 | 59.70  | µg/L  | 103% 75-125  |              |
|              | Cr                                   | ND     | 56.12 | 60.76  | µg/L  | 108% 75-125  |              |
|              | Cu                                   | 1.544  | 56.12 | 61.51  | µg/L  | 107% 75-125  |              |
|              | Fe                                   | 33120  | 561.2 | 33950  | µg/L  | NR 75-125    |              |
|              | Mn                                   | 1431   | 56.12 | 1490   | µg/L  | NR 75-125    |              |
|              | Ni                                   | 1.751  | 56.12 | 59.42  | µg/L  | 103% 75-125  |              |
|              | Pb                                   | ND     | 5.612 | 5.947  | µg/L  | 106% 75-125  |              |
|              | Sb                                   | 0.075  | 5.612 | 5.989  | µg/L  | 105% 75-125  |              |
|              | Se                                   | ND     | 56.12 | 55.17  | µg/L  | 98% 75-125   |              |
|              | V                                    | 3.881  | 56.12 | 60.89  | µg/L  | 102% 75-125  |              |
|              | Zn                                   | ND     | 56.12 | 61.21  | µg/L  | 109% 75-125  |              |
| B251148-MSD3 | Matrix Spike Duplicate, (2505417-05) |        |       |        |       |              |              |
|              | Ag                                   | ND     | 5.612 | 5.656  | µg/L  | 101% 75-125  | 2% 20        |
|              | Al                                   | 127.5  | 561.2 | 728.0  | µg/L  | 107% 75-125  | 6% 20        |
|              | As                                   | 20.35  | 56.12 | 77.22  | µg/L  | 101% 75-125  | 2% 20        |
|              | Ba                                   | 22.68  | 56.12 | 81.77  | µg/L  | 105% 75-125  | 2% 20        |
|              | Cd                                   | 0.082  | 5.612 | 5.862  | µg/L  | 103% 75-125  | 2% 20        |
|              | Co                                   | 2.010  | 56.12 | 58.78  | µg/L  | 101% 75-125  | 2% 20        |
|              | Cr                                   | ND     | 56.12 | 58.75  | µg/L  | 105% 75-125  | 3% 20        |
|              | Cu                                   | 1.544  | 56.12 | 59.97  | µg/L  | 104% 75-125  | 3% 20        |
|              | Fe                                   | 33120  | 561.2 | 33760  | µg/L  | NR 75-125    | N/C 20       |
|              | Mn                                   | 1431   | 56.12 | 1441   | µg/L  | NR 75-125    | N/C 20       |
|              | Ni                                   | 1.751  | 56.12 | 58.52  | µg/L  | 101% 75-125  | 2% 20        |
|              | Pb                                   | ND     | 5.612 | 5.806  | µg/L  | 103% 75-125  | 2% 20        |
|              | Sb                                   | 0.075  | 5.612 | 5.714  | µg/L  | 100% 75-125  | 5% 20        |
|              | Se                                   | ND     | 56.12 | 56.00  | µg/L  | 100% 75-125  | 1% 20        |
|              | V                                    | 3.881  | 56.12 | 60.84  | µg/L  | 101% 75-125  | 0.08% 20     |
|              | Zn                                   | ND     | 56.12 | 58.62  | µg/L  | 104% 75-125  | 4% 20        |



## Accuracy & Precision Summary

Batch: B251152  
Lab Matrix: Water  
Method: EPA 1631 E

| Sample       | Analyte                                   | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|-------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B251152-MS1  | Matrix Spike (2505417-04)<br>Hg           | 9.32   | 20.41 | 29.13  | ng/L  | 97% 71-125   |              |
| B251152-MSD1 | Matrix Spike Duplicate (2505417-04)<br>Hg | 9.32   | 20.41 | 29.44  | ng/L  | 99% 71-125   | 1% 24        |
| B251152-MS2  | Matrix Spike (2505417-16)<br>Hg           | 0.98   | 20.41 | 20.27  | ng/L  | 95% 71-125   |              |
| B251152-MSD2 | Matrix Spike Duplicate (2505417-16)<br>Hg | 0.98   | 20.41 | 20.28  | ng/L  | 95% 71-125   | 0.03% 24     |



## Accuracy & Precision Summary

Batch: B251153  
Lab Matrix: Water  
Method: EPA 1631 E

| Sample       | Analyte                                   | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|-------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B251153-MS1  | Matrix Spike (2505417-30)<br>Hg           | 0.99   | 20.41 | 20.57  | ng/L  | 96% 71-125   |              |
| B251153-MSD1 | Matrix Spike Duplicate (2505417-30)<br>Hg | 0.99   | 20.41 | 20.65  | ng/L  | 96% 71-125   | 0.4% 24      |



## Method Blanks & Reporting Limits

Batch: B251148  
Matrix: Water  
Method: EPA 1638 Mod  
Analyte: Ag

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B251148-BLK1   | 0.0007  | µg/L  |            |
| B251148-BLK2   | 0.0001  | µg/L  |            |
| B251148-BLK3   | 0.00006 | µg/L  |            |
| B251148-BLK4   | 0.0004  | µg/L  |            |
| Average: 0.000 |         |       | MDL: 0.005 |
| Limit: 0.015   |         |       | MRL: 0.015 |

Analyte: Al

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B251148-BLK1   | 0.847  | µg/L  |           |
| B251148-BLK2   | 1.36   | µg/L  |           |
| B251148-BLK3   | 1.07   | µg/L  |           |
| B251148-BLK4   | 1.44   | µg/L  |           |
| Average: 1.180 |        |       | MDL: 1.20 |
| Limit: 2.400   |        |       | MRL: 2.40 |

Analyte: As

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.054  | µg/L  |            |
| B251148-BLK2   | 0.055  | µg/L  |            |
| B251148-BLK3   | 0.052  | µg/L  |            |
| B251148-BLK4   | 0.056  | µg/L  |            |
| Average: 0.054 |        |       | MDL: 0.022 |
| Limit: 0.072   |        |       | MRL: 0.072 |



## Method Blanks & Reporting Limits

### Analyte: Ba

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.053  | µg/L  |            |
| B251148-BLK2   | 0.068  | µg/L  |            |
| B251148-BLK3   | 0.116  | µg/L  |            |
| B251148-BLK4   | 0.065  | µg/L  |            |
| Average: 0.075 |        |       | MDL: 0.035 |
| Limit: 0.070   |        |       | MRL: 0.070 |

### Analyte: Cd

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.005  | µg/L  |            |
| B251148-BLK2   | 0.004  | µg/L  |            |
| B251148-BLK3   | 0.004  | µg/L  |            |
| B251148-BLK4   | 0.004  | µg/L  |            |
| Average: 0.004 |        |       | MDL: 0.006 |
| Limit: 0.018   |        |       | MRL: 0.018 |

### Analyte: Co

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.039  | µg/L  |            |
| B251148-BLK2   | 0.042  | µg/L  |            |
| B251148-BLK3   | 0.040  | µg/L  |            |
| B251148-BLK4   | 0.040  | µg/L  |            |
| Average: 0.040 |        |       | MDL: 0.013 |
| Limit: 0.045   |        |       | MRL: 0.045 |

### Analyte: Cr

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.057  | µg/L  |            |
| B251148-BLK2   | 0.075  | µg/L  |            |
| B251148-BLK3   | 0.060  | µg/L  |            |
| B251148-BLK4   | 0.048  | µg/L  |            |
| Average: 0.060 |        |       | MDL: 0.170 |
| Limit: 0.600   |        |       | MRL: 0.600 |



## Method Blanks & Reporting Limits

### Analyte: Cu

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.047  | µg/L  |            |
| B251148-BLK2   | 0.053  | µg/L  |            |
| B251148-BLK3   | 0.057  | µg/L  |            |
| B251148-BLK4   | 0.040  | µg/L  |            |
| Average: 0.049 |        |       | MDL: 0.090 |
| Limit: 0.180   |        |       | MRL: 0.180 |

### Analyte: Fe

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B251148-BLK1   | 0.403  | µg/L  |           |
| B251148-BLK2   | 0.641  | µg/L  |           |
| B251148-BLK3   | 0.408  | µg/L  |           |
| B251148-BLK4   | 0.414  | µg/L  |           |
| Average: 0.466 |        |       | MDL: 1.80 |
| Limit: 5.400   |        |       | MRL: 5.40 |

### Analyte: Mn

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.053  | µg/L  |            |
| B251148-BLK2   | 0.055  | µg/L  |            |
| B251148-BLK3   | 0.059  | µg/L  |            |
| B251148-BLK4   | 0.052  | µg/L  |            |
| Average: 0.055 |        |       | MDL: 0.090 |
| Limit: 0.180   |        |       | MRL: 0.180 |

### Analyte: Ni

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.046  | µg/L  |            |
| B251148-BLK2   | 0.058  | µg/L  |            |
| B251148-BLK3   | 0.049  | µg/L  |            |
| B251148-BLK4   | 0.050  | µg/L  |            |
| Average: 0.051 |        |       | MDL: 0.120 |
| Limit: 0.360   |        |       | MRL: 0.360 |



## Method Blanks & Reporting Limits

### Analyte: Pb

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.006  | µg/L  |            |
| B251148-BLK2   | 0.006  | µg/L  |            |
| B251148-BLK3   | 0.006  | µg/L  |            |
| B251148-BLK4   | 0.007  | µg/L  |            |
| Average: 0.006 |        |       | MDL: 0.009 |
| Limit: 0.018   |        |       | MRL: 0.018 |

### Analyte: Sb

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.002  | µg/L  |            |
| B251148-BLK2   | 0.004  | µg/L  |            |
| B251148-BLK3   | 0.002  | µg/L  |            |
| B251148-BLK4   | 0.003  | µg/L  |            |
| Average: 0.003 |        |       | MDL: 0.005 |
| Limit: 0.015   |        |       | MRL: 0.015 |

### Analyte: Se

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.048  | µg/L  |            |
| B251148-BLK2   | 0.049  | µg/L  |            |
| B251148-BLK3   | 0.047  | µg/L  |            |
| B251148-BLK4   | 0.037  | µg/L  |            |
| Average: 0.045 |        |       | MDL: 0.024 |
| Limit: 0.050   |        |       | MRL: 0.050 |

### Analyte: V

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B251148-BLK1   | 0.045  | µg/L  |            |
| B251148-BLK2   | 0.046  | µg/L  |            |
| B251148-BLK3   | 0.046  | µg/L  |            |
| B251148-BLK4   | 0.044  | µg/L  |            |
| Average: 0.045 |        |       | MDL: 0.013 |
| Limit: 0.045   |        |       | MRL: 0.045 |



## Method Blanks & Reporting Limits

**Analyte:** Zn

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B251148-BLK1   | 0.231  | µg/L  |           |
| B251148-BLK2   | 0.314  | µg/L  |           |
| B251148-BLK3   | 0.399  | µg/L  |           |
| B251148-BLK4   | 0.295  | µg/L  |           |
| Average: 0.310 |        |       | MDL: 1.20 |
| Limit: 2.400   |        |       | MRL: 2.40 |



## Method Blanks & Reporting Limits

Batch: B251152  
Matrix: Water  
Method: EPA 1631 E  
Analyte: Hg

| Sample        | Result | Units                    |           |  |  |
|---------------|--------|--------------------------|-----------|--|--|
| B251152-BLK1  | 0.11   | ng/L                     |           |  |  |
| B251152-BLK2  | 0.10   | ng/L                     |           |  |  |
| B251152-BLK3  | 0.10   | ng/L                     |           |  |  |
| B251152-BLK4  | 0.10   | ng/L                     |           |  |  |
| Average: 0.10 |        | Standard Deviation: 0.01 | MDL: 0.13 |  |  |
| Limit: 0.50   |        | Limit: 0.13              | MRL: 0.40 |  |  |



## Method Blanks & Reporting Limits

Batch: B251153  
Matrix: Water  
Method: EPA 1631 E  
Analyte: Hg

| Sample        | Result | Units                    |           |  |  |
|---------------|--------|--------------------------|-----------|--|--|
| B251153-BLK1  | 0.18   | ng/L                     |           |  |  |
| B251153-BLK2  | 0.15   | ng/L                     |           |  |  |
| B251153-BLK3  | 0.16   | ng/L                     |           |  |  |
| B251153-BLK4  | 0.16   | ng/L                     |           |  |  |
| Average: 0.16 |        | Standard Deviation: 0.01 | MDL: 0.13 |  |  |
| Limit: 0.50   |        | Limit: 0.13              | MRL: 0.40 |  |  |



## Sample Containers

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-01 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/20/2025 |                    |
| <b>Sample:</b> MW5R2      |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 25-0028    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-02 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/20/2025 |                    |
| <b>Sample:</b> MW5R2      |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-03 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/20/2025 |                    |
| <b>Sample:</b> MW3R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-04 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/20/2025 |                    |
| <b>Sample:</b> MW3R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |



## Sample Containers

|                    |                   |                           |         |               |         |                       |                  |
|--------------------|-------------------|---------------------------|---------|---------------|---------|-----------------------|------------------|
| Lab ID: 2505417-05 |                   | Report Matrix: Grab Water |         |               |         | Collected: 05/20/2025 |                  |
| Sample: MW8R       |                   | Sample Type: Sample       |         |               |         | Received: 05/23/2025  |                  |
| Des                | Container         | Size                      | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle HDPE ICP-W | 125 mL                    | 24-0111 | 1% HNO3 (BAL) | 2507066 | <2                    | Cooler - 2505417 |
| B                  | Bottle FLPE Hg    | 125 mL                    | 23-0120 | none          | n/a     | n/a                   | Cooler - 2505417 |
| Lab ID: 2505417-06 |                   | Report Matrix: Grab Water |         |               |         | Collected: 05/20/2025 |                  |
| Sample: MW8R       |                   | Sample Type: Sample       |         |               |         | Received: 05/23/2025  |                  |
| Des                | Container         | Size                      | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle HDPE ICP-W | 125 mL                    | 24-0111 | 1% HNO3 (BAL) | 2507066 | <2                    | Cooler - 2505417 |
| B                  | Bottle FLPE Hg    | 125 mL                    | 23-0120 | none          | n/a     | n/a                   | Cooler - 2505417 |
| Lab ID: 2505417-07 |                   | Report Matrix: Grab Water |         |               |         | Collected: 05/20/2025 |                  |
| Sample: MW1        |                   | Sample Type: Sample       |         |               |         | Received: 05/23/2025  |                  |
| Des                | Container         | Size                      | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle HDPE ICP-W | 125 mL                    | 24-0111 | 1% HNO3 (BAL) | 2507066 | <2                    | Cooler - 2505417 |
| B                  | Bottle FLPE Hg    | 125 mL                    | 23-0120 | none          | n/a     | n/a                   | Cooler - 2505417 |
| Lab ID: 2505417-08 |                   | Report Matrix: Grab Water |         |               |         | Collected: 05/20/2025 |                  |
| Sample: MW1        |                   | Sample Type: Sample       |         |               |         | Received: 05/23/2025  |                  |
| Des                | Container         | Size                      | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle HDPE ICP-W | 125 mL                    | 24-0111 | 1% HNO3 (BAL) | 2507066 | <2                    | Cooler - 2505417 |
| B                  | Bottle FLPE Hg    | 125 mL                    | 23-0120 | none          | n/a     | n/a                   | Cooler - 2505417 |



## Sample Containers

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-09 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/20/2025 |                    |
| <b>Sample:</b> MW4R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-10 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/20/2025 |                    |
| <b>Sample:</b> MW4R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-11 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW10       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-12 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW10       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |



## Sample Containers

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-13 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW9R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-14 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW9R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-15 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW2        |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-16 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW2        |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |



## Sample Containers

|                           |                   |                                     |            |                     |              |                              |                    |
|---------------------------|-------------------|-------------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-17 |                   | <b>Report Matrix:</b> Grab Water    |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW11       |                   | <b>Sample Type:</b> Sample          |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-18 |                   | <b>Report Matrix:</b> Grab Water    |            |                     |              | <b>Collected:</b> 05/21/2025 |                    |
| <b>Sample:</b> MW11       |                   | <b>Sample Type:</b> Sample          |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-19 |                   | <b>Report Matrix:</b> Grab Water    |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> DUP-0525   |                   | <b>Sample Type:</b> Field Duplicate |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 25-0028    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-20 |                   | <b>Report Matrix:</b> Grab Water    |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> DUP-0525   |                   | <b>Sample Type:</b> Field Duplicate |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |



## Sample Containers

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-21 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> MW6R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-22 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> MW6R       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-23 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> MW12       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-24 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> MW12       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |



## Sample Containers

|                           |                   |                                  |            |                     |              |                              |                    |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2505417-25 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> MW7        |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-26 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/22/2025 |                    |
| <b>Sample:</b> MW7        |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-27 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/23/2025 |                    |
| <b>Sample:</b> MW13       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |
| <b>Lab ID:</b> 2505417-28 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/23/2025 |                    |
| <b>Sample:</b> MW13       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2505417   |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler - 2505417   |

**Project ID:** CRC-SE2501  
**PM:** Amy Goodall



BAL Report 2505417  
**Client PM:** Rusty Jones  
**Client Project:** MARALCO SRI

## Sample Containers

|                           |                   |                                  |            |                     |              |                              |                     |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|---------------------|
| <b>Lab ID:</b> 2505417-29 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/23/2025 |                     |
| <b>Sample:</b> MW14       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                     |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b>  |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler -<br>2505417 |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler -<br>2505417 |

|                           |                   |                                  |            |                     |              |                              |                     |
|---------------------------|-------------------|----------------------------------|------------|---------------------|--------------|------------------------------|---------------------|
| <b>Lab ID:</b> 2505417-30 |                   | <b>Report Matrix:</b> Grab Water |            |                     |              | <b>Collected:</b> 05/23/2025 |                     |
| <b>Sample:</b> MW14       |                   | <b>Sample Type:</b> Sample       |            |                     |              | <b>Received:</b> 05/23/2025  |                     |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                      | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b>  |
| A                         | Bottle HDPE ICP-W | 125 mL                           | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler -<br>2505417 |
| B                         | Bottle FLPE Hg    | 125 mL                           | 23-0120    | none                | n/a          | n/a                          | Cooler -<br>2505417 |

## Shipping Containers

### Cooler - 2505417

**Received:** May 23, 2025 13:16  
**Tracking No:** n/a via Customer Drop-Off  
**Coolant Type:** Ice  
**Temperature:** 2.9 °C

**Description:** Cooler  
**Damaged in transit?** No  
**Returned to client?** No  
**Comments:** SCTH-1

**Custody seals present?** No  
**Custody seals intact?** No  
**COC present?** Yes



# Chain-of-Custody Form

Ship samples to:  
13751 Lake City Way NE, Suite 108  
Seattle, WA 98125

BAL Report 2505417

Received by: ASD (BAL) For BAL use only  
Date: 23 MAY 2025  
Work Order ID: \_\_\_\_\_ Time: 1316  
Project ID: \_\_\_\_\_

Client: CRETE Consulting PO Number: MARALCO Mailing Address: \_\_\_\_\_  
Contact: Rusty Jones Phone: 832.330.1359  
Client Project ID: Maralco SRI Email: rusty.jones@creteconsulting.com Receipt Confirmation? (Yes/No)  
Samples Collected By: Rusty Jones R. Jones BAL PM: Amy Goodall

| Requested TAT<br>(business days)                  |          | Collection             |                   | Client Sample Info |                      |                             |                                                  |                                                | BAL Analyses Required |                            |                                                 |                                                       |            |                                                               |                 |                                             | Comments |
|---------------------------------------------------|----------|------------------------|-------------------|--------------------|----------------------|-----------------------------|--------------------------------------------------|------------------------------------------------|-----------------------|----------------------------|-------------------------------------------------|-------------------------------------------------------|------------|---------------------------------------------------------------|-----------------|---------------------------------------------|----------|
|                                                   |          | Date                   | Time              | Matrix Type        | Number of Containers | Field Filtered?<br>(Yes/No) | Preservation Type<br>HCl/HNO <sub>3</sub> /Other | Total Hg, EPA 1631<br><i>TOTAL + DISSOLVED</i> | Methyl Hg, EPA 1630   | ICP-MS Metals<br>(specify) | As Species (specify)<br>InOrg, III, V, MMA, DMA | Se Species (specify)<br>Se(IV), Se(VI), SeCN, Unknown | Filtration | Other (specify) <i>1631 Mod.</i><br><i>T/D Project Metals</i> | Other (specify) |                                             |          |
| <input checked="" type="checkbox"/> 20 (standard) |          |                        |                   |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| <input type="checkbox"/> 15*                      |          |                        |                   |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| <input type="checkbox"/> 10*                      |          |                        |                   |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| <input type="checkbox"/> 5*                       |          |                        |                   |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| <input type="checkbox"/> Other _____              |          |                        |                   |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| *Surcharges may apply to expedited TATs           |          |                        |                   |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| Sample ID                                         |          |                        |                   |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| 1                                                 | MW5RZ    | 5/20/2025              | 1030              | GRAB WATER         | 4                    | Y+N                         | NONE                                             | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | Total and Dissolved Analysis on all samples |          |
| 2                                                 | MW3R     |                        | 1122              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | Conductivities (uS/cm) Specify Here         |          |
| 3                                                 | MW8R     |                        | 1212              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 3163 uS/cm                                  |          |
| 4                                                 | MW1      |                        | 1307              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 1745                                        |          |
| 5                                                 | MW4R     |                        | 1404              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 369.9                                       |          |
| 6                                                 | MW10     | 5/21/2025              | 0920              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 127.7                                       |          |
| 7                                                 | MW9R     |                        | 1020              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 1442                                        |          |
| 8                                                 | MW2      |                        | 1130              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 985                                         |          |
| 9                                                 | MW11     |                        | 1218              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 1810                                        |          |
| 10                                                | DUP-0525 | 5/22/2025              | 0001              |                    | 4                    |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 113.9                                       |          |
| Trip Blank                                        |          |                        |                   |                    |                      |                             |                                                  | X                                              |                       |                            |                                                 |                                                       |            | X                                                             |                 | 155.2 uS/cm                                 |          |
| Relinquished By: <u>R. Jones</u>                  |          | Date: <u>5/23/2025</u> | Time: <u>1316</u> | Relinquished By:   |                      | Date:                       | Time:                                            | Total Number of Packages:                      |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |
| Received By: <u>ASD (BAL)</u>                     |          | Date: <u>5/23/2025</u> | Time: <u>1316</u> |                    |                      |                             |                                                  |                                                |                       |                            |                                                 |                                                       |            |                                                               |                 |                                             |          |



# Chain-of-Custody Form

Ship samples to:  
13751 Lake City Way NE, Suite 108  
Seattle, WA 98125

BAL Report 2505417

Received by: ASD (BAL) For BAL use only Date: 23 MAY 2025  
Work Order ID: \_\_\_\_\_ Time: 1316  
Project ID: \_\_\_\_\_

Client: CRETE Consulting PO Number: MARALCO Mailing Address: \_\_\_\_\_  
Contact: Rusty Jones Phone: 432.330.1359  
Client Project ID: Maralco SPI Email: rusty.jones@creteconsulting.com Email Receipt Confirmation? (Yes/No)  
Samples Collected By: Rusty Jones R. Jones BAL PM: Amy Goodall

| Requested TAT<br>(business days)                  |      | Collection             |      | Client Sample Info |                      |                             |                                                  | BAL Analyses Required                      |                     |                            |                                                 |                                                       |            |                                             |                 | Comments                                                                      |  |
|---------------------------------------------------|------|------------------------|------|--------------------|----------------------|-----------------------------|--------------------------------------------------|--------------------------------------------|---------------------|----------------------------|-------------------------------------------------|-------------------------------------------------------|------------|---------------------------------------------|-----------------|-------------------------------------------------------------------------------|--|
|                                                   |      | Date                   | Time | Matrix Type        | Number of Containers | Field Filtered?<br>(Yes/No) | Preservation Type<br>HCl/HNO <sub>3</sub> /Other | Total Hg, EPA 1631<br><u>And Dissolved</u> | Methyl Hg, EPA 1630 | ICP-MS Metals<br>(specify) | As Species (specify)<br>InOrg, III, V, MMA, DMA | Se Species (specify)<br>Se(IV), Se(VI), SeCN, Unknown | Filtration | Other (specify)<br><u>TD Project Metals</u> | Other (specify) |                                                                               |  |
| <input checked="" type="checkbox"/> 20 (standard) |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| <input type="checkbox"/> 15*                      |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| <input type="checkbox"/> 10*                      |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| <input type="checkbox"/> 5*                       |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| <input type="checkbox"/> Other _____              |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| *Surcharges may apply to expedited TATs           |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| Sample ID                                         |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| 1                                                 | MW6R | 5/22/2025              | 1007 | GRAB WATER         | 4                    | Y+N                         | NONE                                             | X                                          |                     |                            |                                                 |                                                       |            | X                                           |                 | Total and Dissolved Metals on all samples (uS/cm) Conductivities Specify Here |  |
| 2                                                 | MW12 |                        | 1102 |                    | 4                    |                             |                                                  | X                                          |                     |                            |                                                 |                                                       |            | X                                           |                 | 1806 uS/cm                                                                    |  |
| 3                                                 | MW7  |                        | 1203 |                    | 4                    |                             |                                                  | X                                          |                     |                            |                                                 |                                                       |            | X                                           |                 | 1019                                                                          |  |
| 4                                                 | MW13 | 5/23/2025              | 0931 |                    | 4                    |                             |                                                  | X                                          |                     |                            |                                                 |                                                       |            | X                                           |                 | 374.7                                                                         |  |
| 5                                                 | MW14 |                        | 1018 |                    | 4                    |                             |                                                  | X                                          |                     |                            |                                                 |                                                       |            | Y                                           |                 | 115.6                                                                         |  |
| 6                                                 |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 | 157.2 ✓                                                                       |  |
| 7                                                 |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| 8                                                 |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| 9                                                 |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| 10                                                |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| Trip Blank                                        |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 |                                                                               |  |
| Relinquished By: <u>R. Jones</u>                  |      | Date: <u>5/23/2025</u> |      | Time: <u>1316</u>  |                      | Relinquished By:            |                                                  | Date:                                      |                     | Time:                      |                                                 | Received By: <u>ASD (BAL)</u>                         |            | Date: <u>5/23/2025</u>                      |                 | Time: <u>1316</u>                                                             |  |
|                                                   |      |                        |      |                    |                      |                             |                                                  |                                            |                     |                            |                                                 |                                                       |            |                                             |                 | Total Number of Packages:                                                     |  |

Page 2 of 2

List Hazardous Contaminants: \_\_\_\_\_

[samples@brooksupplied.com](mailto:samples@brooksupplied.com) | [brooksupplied.com](http://brooksupplied.com)



13751 Lake City Way NE, Ste 108, Seattle, WA 98125 • USA • T:206-632-6206 • [info@brooksapplied.com](mailto:info@brooksapplied.com)

May 29, 2025

Crete Consulting  
ATTN: Rusty Jones  
108 S. Washington Street, Suite 300  
Seattle, WA 98104  
832-330-1359  
[rusty.jones@creteconsulting.com](mailto:rusty.jones@creteconsulting.com)

RE: Project CRC-SE2501  
Client Project: Maralco

Dear Rusty Jones,

On April 30, 2025, Brooks Applied Labs (BAL) received two (2) sets of aqueous samples. The samples were logged-in for the analyses of for total recoverable and dissolved silver (Ag), aluminum (Al), arsenic (As), barium (Ba), cadmium (Cd), cobalt (Co), chromium (Cr), copper (Cu), iron (Fe), manganese (Mn), nickel (Ni), lead (Pb), antimony (Sb), selenium (Se), vanadium (V), zinc (Zn), and mercury (Hg) according to the chain-of-custody form. All samples were received and stored according to BAL SOPs and EPA methodology.

All dissolved samples were 0.45µm filtered prior to receipt at BAL.

*Total Recoverable and Dissolved Metals Quantitation by ICP-QQQ-MS*

All aqueous samples were digested on a hotblock via modified EPA Method 1638 with nitric and hydrochloric acids. Trace metals were analyzed using inductively coupled plasma triple quadrupole mass spectrometry (ICP-QQQ-MS). The ICP-QQQ-MS uses advanced interference removal techniques to ensure accuracy of the sample results. For more information, please visit the *Interference Reduction Technology* section on our website, [www.brooksapplied.com](http://www.brooksapplied.com).

In instances where the native sample result and/or the associated duplicate (DUP) result were below the MDL the RPD was not calculated (N/C).

Some of the total results were less than the corresponding dissolved result. In all of these cases, the total and dissolved samples meet RPD, or the results met secondary criteria (within 5x the MRL and within the MRL of each other) and no further action was required.

*Total and Dissolved Mercury using MERX*

Each aqueous fraction submitted for Hg analysis was prepared and analyzed in accordance with EPA Method 1631. Samples were oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride (SnCl<sub>2</sub>) reduction, dual gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a Brooks Rand Instrument's MERX-T CVAFS Mercury Automated-Analyzer.

All samples were originally analyzed in sequence S250427. The original matrix spike and matrix spike duplicate (MS/MSD) were not appropriately spiked and could not be reported from the original analysis. Sample 2504430-01 was reanalyzed in sequence S250439 with a new MS/MSD that were prepped with the appropriate spike amount. The reported Hg result for sample 2504430-01 is from this reanalysis.

Sample results reported for mercury were method blank corrected, while all other results were not method blank corrected, as described in the calculations section of the relevant BAL SOP(s). All results were evaluated using reporting limits adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

All data was reported without qualification and all associated quality control sample results met the acceptance criteria.

BAL verifies that the reported results of all analyses for which the laboratory is accredited meet the requirements of the accrediting body, unless otherwise noted in the report narrative. For more information regarding accreditations please see the *Report Information* and *Batch Summary* pages. This report must be used in its entirety for interpretation of results.

Please feel free to contact us if you have any questions regarding this report.

Sincerely,

A handwritten signature in cursive script that reads "Amy Goodall".

Amy Goodall  
Project Manager  
Brooks Applied Labs  
amy@brooksapplied.com



## Report Information

### General Disclaimers

Test results are based solely upon the sample submitted to Brooks Applied Labs in the condition it was received. This report shall not be reproduced or copied, except in full, without written approval of the laboratory. Brooks Applied Labs is not responsible for the consequences arising from the use of a partial report.

### Laboratory Accreditation

BAL maintains accreditation with various state and national agencies for select test methods. For a current list of BAL accreditations, please visit our website at <http://www.brooksapplied.com/resources/certificates-permits/>. The reported analyte/matrix/method combination shall be considered outside BAL's scopes of accreditation unless otherwise identified as ISO, TNI, or ISO,TNI in the tables. It is the responsibility of the client to verify whether a specific accreditation is required for the intended data use.

**ISO:** ISO/IEC 17025:2017 accredited test method. Issued by ANSI National Accreditation Board (ANAB), #ADE-1447.02

**TNI:** NELAP accredited test method. Issued by the State of Florida Department of Health, #E87982.

**ISO,TNI:** Test method is accredited under both the ISO/IEC 17025:2017 and NELAP accreditations referenced above.

### Field Quality Control Samples

Please be notified that certain EPA methods require the collection of field quality control samples of an appropriate type and frequency; failure to do so is considered a deviation from some methods and for compliance purposes should only be done with the approval of regulatory authorities. Please see the specific EPA methods for details regarding required field quality control samples.

### Common Abbreviations

|            |                                     |            |                                    |
|------------|-------------------------------------|------------|------------------------------------|
| <b>AR</b>  | as received                         | <b>MS</b>  | matrix spike                       |
| <b>BAL</b> | Brooks Applied Labs                 | <b>MSD</b> | matrix spike duplicate             |
| <b>BLK</b> | method blank                        | <b>ND</b>  | non-detect                         |
| <b>BS</b>  | blank spike                         | <b>NR</b>  | non-reportable                     |
| <b>CAL</b> | calibration standard                | <b>N/C</b> | not calculated                     |
| <b>CCB</b> | continuing calibration blank        | <b>PS</b>  | post preparation spike             |
| <b>CCV</b> | continuing calibration verification | <b>REC</b> | percent recovery                   |
| <b>COC</b> | chain of custody record             | <b>RPD</b> | relative percent difference        |
| <b>D</b>   | dissolved fraction                  | <b>SCV</b> | secondary calibration verification |
| <b>DUP</b> | duplicate                           | <b>SOP</b> | standard operating procedure       |
| <b>IBL</b> | instrument blank                    | <b>SRM</b> | reference material                 |
| <b>ICV</b> | initial calibration verification    | <b>T</b>   | total fraction                     |
| <b>MDL</b> | method detection limit              | <b>TR</b>  | total recoverable fraction         |
| <b>MRL</b> | method reporting limit              |            |                                    |

### Definition of Data Qualifiers

|            |                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>E</b>   | An estimated value due to the presence of interferences. A full explanation is presented in the narrative.                                                                            |
| <b>H</b>   | Holding time and/or preservation requirements not met. Please see narrative for explanation.                                                                                          |
| <b>J</b>   | Detected by the instrument, the result is > the MDL but ≤ the MRL. Result is reported and considered an estimate.                                                                     |
| <b>J-1</b> | Estimated value. A full explanation is presented in the narrative.                                                                                                                    |
| <b>M</b>   | Duplicate precision (RPD) was not within acceptance criteria. Please see narrative for explanation.                                                                                   |
| <b>N</b>   | Spike recovery was not within acceptance criteria. Please see narrative for explanation.                                                                                              |
| <b>R</b>   | Rejected, unusable value. A full explanation is presented in the narrative.                                                                                                           |
| <b>U</b>   | Result is ≤ the MDL or client requested reporting limit (CRRL). Result reported as the MDL or CRRL.                                                                                   |
| <b>X</b>   | Result is not BLK-corrected and is within 10x the absolute value of the highest detectable BLK in the batch. Result is estimated.                                                     |
| <b>Z</b>   | Holding time and/or preservation requirements not established for this method; however, BAL recommendations for holding time were not followed. Please see narrative for explanation. |



## Sample Information

| Sample | Lab ID     | Report Matrix | Type   | Sampled    | Received   |
|--------|------------|---------------|--------|------------|------------|
| MW14   | 2504430-01 | Water         | Sample | 04/30/2025 | 04/30/2025 |
| MW14   | 2504430-02 | Water         | Sample | 04/30/2025 | 04/30/2025 |
| MW13   | 2504430-03 | Water         | Sample | 04/30/2025 | 04/30/2025 |
| MW13   | 2504430-04 | Water         | Sample | 04/30/2025 | 04/30/2025 |

## Batch Summary

| Analyte | Lab Matrix | Method       | Accred. | Prepared | Analyzed | Batch   | Sequence |
|---------|------------|--------------|---------|----------|----------|---------|----------|
| Ag      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Al      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| As      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Ba      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Cd      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Co      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Cr      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Cu      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Fe      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Hg      | Water      | EPA 1631 E   | ISO,TNI | 05/02/25 | 05/05/25 | B250976 | S250427  |
| Hg      | Water      | EPA 1631 E   | ISO,TNI | 05/02/25 | 05/07/25 | B250976 | S250439  |
| Mn      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Ni      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Pb      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Sb      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Se      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| V       | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |
| Zn      | Water      | EPA 1638 Mod | ISO,TNI | 05/05/25 | 05/06/25 | B250962 | S250425  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW14</b> |         |               |       |         |           |       |       |      |         |          |
| 2504430-01  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-01  | Al      | Water         | TR    | 132     |           | 12.1  | 24.2  | µg/L | B250962 | S250425  |
| 2504430-01  | As      | Water         | TR    | 1.02    |           | 0.222 | 0.727 | µg/L | B250962 | S250425  |
| 2504430-01  | Ba      | Water         | TR    | 12.3    |           | 0.354 | 0.707 | µg/L | B250962 | S250425  |
| 2504430-01  | Cd      | Water         | TR    | 0.083   | J         | 0.061 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-01  | Co      | Water         | TR    | 1.07    |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-01  | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250962 | S250425  |
| 2504430-01  | Cu      | Water         | TR    | 5.05    |           | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-01  | Fe      | Water         | TR    | 433     |           | 18.2  | 54.5  | µg/L | B250962 | S250425  |
| 2504430-01  | Hg      | Water         | TR    | 2.73    |           | 0.33  | 1.02  | ng/L | B250976 | S250439  |
| 2504430-01  | Mn      | Water         | TR    | 67.7    |           | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-01  | Ni      | Water         | TR    | 1.95    | J         | 1.21  | 3.64  | µg/L | B250962 | S250425  |
| 2504430-01  | Pb      | Water         | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-01  | Sb      | Water         | TR    | 0.335   |           | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-01  | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250962 | S250425  |
| 2504430-01  | V       | Water         | TR    | 1.05    |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-01  | Zn      | Water         | TR    | 52.4    |           | 12.1  | 24.2  | µg/L | B250962 | S250425  |
| <b>MW14</b> |         |               |       |         |           |       |       |      |         |          |
| 2504430-02  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-02  | Al      | Water         | D     | 21.1    | J         | 12.1  | 24.2  | µg/L | B250962 | S250425  |
| 2504430-02  | As      | Water         | D     | 0.873   |           | 0.222 | 0.727 | µg/L | B250962 | S250425  |
| 2504430-02  | Ba      | Water         | D     | 11.2    |           | 0.354 | 0.707 | µg/L | B250962 | S250425  |
| 2504430-02  | Cd      | Water         | D     | 0.072   | J         | 0.061 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-02  | Co      | Water         | D     | 0.955   |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-02  | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250962 | S250425  |
| 2504430-02  | Cu      | Water         | D     | 4.41    |           | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-02  | Fe      | Water         | D     | 283     |           | 18.2  | 54.5  | µg/L | B250962 | S250425  |
| 2504430-02  | Hg      | Water         | D     | 1.57    |           | 0.13  | 0.41  | ng/L | B250976 | S250427  |
| 2504430-02  | Mn      | Water         | D     | 60.9    |           | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-02  | Ni      | Water         | D     | 1.74    | J         | 1.21  | 3.64  | µg/L | B250962 | S250425  |
| 2504430-02  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-02  | Sb      | Water         | D     | 0.292   |           | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-02  | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250962 | S250425  |
| 2504430-02  | V       | Water         | D     | 0.675   |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-02  | Zn      | Water         | D     | 50.1    |           | 12.1  | 24.2  | µg/L | B250962 | S250425  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW13</b> |         |               |       |         |           |       |       |      |         |          |
| 2504430-03  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-03  | Al      | Water         | TR    | 1210    |           | 12.1  | 24.2  | µg/L | B250962 | S250425  |
| 2504430-03  | As      | Water         | TR    | 2.04    |           | 0.222 | 0.727 | µg/L | B250962 | S250425  |
| 2504430-03  | Ba      | Water         | TR    | 16.7    |           | 0.354 | 0.707 | µg/L | B250962 | S250425  |
| 2504430-03  | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-03  | Co      | Water         | TR    | 3.16    |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-03  | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250962 | S250425  |
| 2504430-03  | Cu      | Water         | TR    | 1.98    |           | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-03  | Fe      | Water         | TR    | 8760    |           | 18.2  | 54.5  | µg/L | B250962 | S250425  |
| 2504430-03  | Hg      | Water         | TR    | 2.66    |           | 0.13  | 0.41  | ng/L | B250976 | S250427  |
| 2504430-03  | Mn      | Water         | TR    | 345     |           | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-03  | Ni      | Water         | TR    | 3.25    | J         | 1.21  | 3.64  | µg/L | B250962 | S250425  |
| 2504430-03  | Pb      | Water         | TR    | 0.310   |           | 0.091 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-03  | Sb      | Water         | TR    | 0.097   | J         | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-03  | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250962 | S250425  |
| 2504430-03  | V       | Water         | TR    | 4.40    |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-03  | Zn      | Water         | TR    | 14.5    | J         | 12.1  | 24.2  | µg/L | B250962 | S250425  |
| <b>MW13</b> |         |               |       |         |           |       |       |      |         |          |
| 2504430-04  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-04  | Al      | Water         | D     | 16.5    | J         | 12.1  | 24.2  | µg/L | B250962 | S250425  |
| 2504430-04  | As      | Water         | D     | 2.07    |           | 0.222 | 0.727 | µg/L | B250962 | S250425  |
| 2504430-04  | Ba      | Water         | D     | 13.6    |           | 0.354 | 0.707 | µg/L | B250962 | S250425  |
| 2504430-04  | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-04  | Co      | Water         | D     | 3.13    |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-04  | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250962 | S250425  |
| 2504430-04  | Cu      | Water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-04  | Fe      | Water         | D     | 9390    |           | 18.2  | 54.5  | µg/L | B250962 | S250425  |
| 2504430-04  | Hg      | Water         | D     | 0.17    | J         | 0.13  | 0.41  | ng/L | B250976 | S250427  |
| 2504430-04  | Mn      | Water         | D     | 357     |           | 0.909 | 1.82  | µg/L | B250962 | S250425  |
| 2504430-04  | Ni      | Water         | D     | 3.17    | J         | 1.21  | 3.64  | µg/L | B250962 | S250425  |
| 2504430-04  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250962 | S250425  |
| 2504430-04  | Sb      | Water         | D     | 0.093   | J         | 0.051 | 0.152 | µg/L | B250962 | S250425  |
| 2504430-04  | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250962 | S250425  |
| 2504430-04  | V       | Water         | D     | 3.66    |           | 0.131 | 0.455 | µg/L | B250962 | S250425  |
| 2504430-04  | Zn      | Water         | D     | 12.5    | J         | 12.1  | 24.2  | µg/L | B250962 | S250425  |



## Accuracy & Precision Summary

Batch: B250962  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike  | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|--------|--------|-------|--------------|--------------|
| B250962-BS1  | Blank Spike, (2518015)                   |        |        |        |       |              |              |
|              | Ag                                       |        | 5.556  | 5.754  | µg/L  | 104% 75-125  |              |
|              | Al                                       |        | 555.6  | 505.4  | µg/L  | 91% 75-125   |              |
|              | As                                       |        | 55.56  | 57.71  | µg/L  | 104% 75-125  |              |
|              | Ba                                       |        | 55.56  | 59.26  | µg/L  | 107% 75-125  |              |
|              | Cd                                       |        | 5.556  | 5.800  | µg/L  | 104% 75-125  |              |
|              | Co                                       |        | 55.56  | 56.68  | µg/L  | 102% 75-125  |              |
|              | Cr                                       |        | 55.56  | 55.89  | µg/L  | 101% 75-125  |              |
|              | Cu                                       |        | 55.56  | 57.57  | µg/L  | 104% 75-125  |              |
|              | Fe                                       |        | 555.6  | 551.1  | µg/L  | 99% 75-125   |              |
|              | Mn                                       |        | 55.56  | 59.81  | µg/L  | 108% 75-125  |              |
|              | Ni                                       |        | 55.56  | 56.73  | µg/L  | 102% 75-125  |              |
|              | Pb                                       |        | 5.556  | 5.723  | µg/L  | 103% 75-125  |              |
|              | Sb                                       |        | 5.556  | 5.946  | µg/L  | 107% 75-125  |              |
|              | Se                                       |        | 55.56  | 57.33  | µg/L  | 103% 75-125  |              |
|              | V                                        |        | 55.56  | 56.01  | µg/L  | 101% 75-125  |              |
|              | Zn                                       |        | 55.56  | 58.89  | µg/L  | 106% 75-125  |              |
| B250962-SRM1 | Reference Material (2440039, NIST 1643f) |        |        |        |       |              |              |
|              | Ba                                       |        | 518.2  | 550.8  | µg/L  | 106% 75-125  |              |
|              | Sb                                       |        | 55.45  | 56.22  | µg/L  | 101% 75-125  |              |
| B250962-SRM2 | Reference Material (2440039, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 0.981  | µg/L  | 101% 75-125  |              |
|              | Al                                       |        | 133.8  | 124.3  | µg/L  | 93% 75-125   |              |
|              | As                                       |        | 57.42  | 58.48  | µg/L  | 102% 75-125  |              |
|              | Cd                                       |        | 5.890  | 5.793  | µg/L  | 98% 75-125   |              |
|              | Co                                       |        | 25.30  | 25.14  | µg/L  | 99% 75-125   |              |
|              | Cr                                       |        | 18.50  | 19.68  | µg/L  | 106% 75-125  |              |
|              | Cu                                       |        | 21.66  | 23.66  | µg/L  | 109% 75-125  |              |
|              | Fe                                       |        | 93.44  | 95.24  | µg/L  | 102% 75-125  |              |
|              | Mn                                       |        | 37.14  | 40.81  | µg/L  | 110% 75-125  |              |
|              | Ni                                       |        | 59.80  | 60.89  | µg/L  | 102% 75-125  |              |
|              | Pb                                       |        | 18.49  | 17.99  | µg/L  | 97% 75-125   |              |
|              | Se                                       |        | 11.70  | 11.79  | µg/L  | 101% 75-125  |              |
|              | V                                        |        | 36.07  | 36.51  | µg/L  | 101% 75-125  |              |
|              | Zn                                       |        | 74.40  | 81.34  | µg/L  | 109% 75-125  |              |



## Accuracy & Precision Summary

Batch: B250962  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                    | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|----------------------------|--------|-------|--------|-------|--------------|--------------|
| B250962-DUP1 | Duplicate, (2504430-01)    |        |       |        |       |              |              |
|              | Ag                         | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | Al                         | 131.6  |       | 139.3  | µg/L  |              | 6% 20        |
|              | As                         | 1.015  |       | 0.999  | µg/L  |              | 2% 20        |
|              | Ba                         | 12.31  |       | 12.92  | µg/L  |              | 5% 20        |
|              | Cd                         | 0.083  |       | 0.087  | µg/L  |              | 5% 20        |
|              | Co                         | 1.065  |       | 1.061  | µg/L  |              | 0.4% 20      |
|              | Cr                         | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | Cu                         | 5.049  |       | 5.421  | µg/L  |              | 7% 20        |
|              | Fe                         | 433.1  |       | 426.7  | µg/L  |              | 1% 20        |
|              | Mn                         | 67.69  |       | 71.54  | µg/L  |              | 6% 20        |
|              | Ni                         | 1.952  |       | 2.151  | µg/L  |              | 10% 20       |
|              | Pb                         | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | Sb                         | 0.335  |       | 0.316  | µg/L  |              | 6% 20        |
|              | Se                         | ND     |       | ND     | µg/L  |              | N/C 20       |
|              | V                          | 1.055  |       | 1.074  | µg/L  |              | 2% 20        |
|              | Zn                         | 52.38  |       | 56.02  | µg/L  |              | 7% 20        |
| B250962-MS1  | Matrix Spike, (2504430-01) |        |       |        |       |              |              |
|              | Ag                         | ND     | 5.612 | 6.049  | µg/L  | 108% 75-125  |              |
|              | Al                         | 131.6  | 561.2 | 712.9  | µg/L  | 104% 75-125  |              |
|              | As                         | 1.015  | 56.12 | 61.44  | µg/L  | 108% 75-125  |              |
|              | Ba                         | 12.31  | 56.12 | 74.60  | µg/L  | 111% 75-125  |              |
|              | Cd                         | 0.083  | 5.612 | 6.335  | µg/L  | 111% 75-125  |              |
|              | Co                         | 1.065  | 56.12 | 61.94  | µg/L  | 108% 75-125  |              |
|              | Cr                         | ND     | 56.12 | 59.94  | µg/L  | 107% 75-125  |              |
|              | Cu                         | 5.049  | 56.12 | 65.26  | µg/L  | 107% 75-125  |              |
|              | Fe                         | 433.1  | 561.2 | 1037   | µg/L  | 108% 75-125  |              |
|              | Mn                         | 67.69  | 56.12 | 129.2  | µg/L  | 110% 75-125  |              |
|              | Ni                         | 1.952  | 56.12 | 61.06  | µg/L  | 105% 75-125  |              |
|              | Pb                         | ND     | 5.612 | 5.956  | µg/L  | 106% 75-125  |              |
|              | Sb                         | 0.335  | 5.612 | 6.500  | µg/L  | 110% 75-125  |              |
|              | Se                         | ND     | 56.12 | 61.80  | µg/L  | 110% 75-125  |              |
|              | V                          | 1.055  | 56.12 | 61.08  | µg/L  | 107% 75-125  |              |
|              | Zn                         | 52.38  | 56.12 | 113.9  | µg/L  | 110% 75-125  |              |



## Accuracy & Precision Summary

Batch: B250962  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250962-MSD1 | Matrix Spike Duplicate, (2504430-01) |        |       |        |       |              |              |
|              | Ag                                   | ND     | 5.612 | 5.671  | µg/L  | 101% 75-125  | 6% 20        |
|              | Al                                   | 131.6  | 561.2 | 669.0  | µg/L  | 96% 75-125   | 6% 20        |
|              | As                                   | 1.015  | 56.12 | 57.05  | µg/L  | 100% 75-125  | 7% 20        |
|              | Ba                                   | 12.31  | 56.12 | 70.90  | µg/L  | 104% 75-125  | 5% 20        |
|              | Cd                                   | 0.083  | 5.612 | 5.699  | µg/L  | 100% 75-125  | 11% 20       |
|              | Co                                   | 1.065  | 56.12 | 56.93  | µg/L  | 100% 75-125  | 8% 20        |
|              | Cr                                   | ND     | 56.12 | 57.41  | µg/L  | 102% 75-125  | 4% 20        |
|              | Cu                                   | 5.049  | 56.12 | 62.77  | µg/L  | 103% 75-125  | 4% 20        |
|              | Fe                                   | 433.1  | 561.2 | 964.4  | µg/L  | 95% 75-125   | 7% 20        |
|              | Mn                                   | 67.69  | 56.12 | 124.6  | µg/L  | 101% 75-125  | 4% 20        |
|              | Ni                                   | 1.952  | 56.12 | 58.29  | µg/L  | 100% 75-125  | 5% 20        |
|              | Pb                                   | ND     | 5.612 | 5.499  | µg/L  | 98% 75-125   | 8% 20        |
|              | Sb                                   | 0.335  | 5.612 | 6.107  | µg/L  | 103% 75-125  | 6% 20        |
|              | Se                                   | ND     | 56.12 | 55.77  | µg/L  | 99% 75-125   | 10% 20       |
|              | V                                    | 1.055  | 56.12 | 56.46  | µg/L  | 99% 75-125   | 8% 20        |
|              | Zn                                   | 52.38  | 56.12 | 111.2  | µg/L  | 105% 75-125  | 2% 20        |



## Accuracy & Precision Summary

Batch: B250976  
Lab Matrix: Water  
Method: EPA 1631 E

| Sample       | Analyte                                   | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|-------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250976-MS3  | Matrix Spike (2504430-01)<br>Hg           | 2.73   | 51.02 | 51.78  | ng/L  | 96% 71-125   |              |
| B250976-MSD3 | Matrix Spike Duplicate (2504430-01)<br>Hg | 2.73   | 51.02 | 51.36  | ng/L  | 95% 71-125   | 0.8% 24      |



## Method Blanks & Reporting Limits

Batch: B250962  
Matrix: Water  
Method: EPA 1638 Mod  
Analyte: Ag

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250962-BLK1   | -0.0003 | µg/L  |            |
| B250962-BLK2   | 0.00009 | µg/L  |            |
| B250962-BLK3   | -0.0007 | µg/L  |            |
| B250962-BLK4   | -0.0005 | µg/L  |            |
| Average: 0.000 |         |       | MDL: 0.005 |
| Limit: 0.015   |         |       | MRL: 0.015 |

Analyte: Al

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250962-BLK1   | 0.303  | µg/L  |           |
| B250962-BLK2   | 0.412  | µg/L  |           |
| B250962-BLK3   | 0.141  | µg/L  |           |
| B250962-BLK4   | 0.228  | µg/L  |           |
| Average: 0.271 |        |       | MDL: 1.20 |
| Limit: 2.400   |        |       | MRL: 2.40 |

Analyte: As

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.007  | µg/L  |            |
| B250962-BLK2   | 0.008  | µg/L  |            |
| B250962-BLK3   | 0.007  | µg/L  |            |
| B250962-BLK4   | 0.007  | µg/L  |            |
| Average: 0.007 |        |       | MDL: 0.022 |
| Limit: 0.072   |        |       | MRL: 0.072 |



## Method Blanks & Reporting Limits

### Analyte: Ba

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.008  | µg/L  |            |
| B250962-BLK2   | 0.025  | µg/L  |            |
| B250962-BLK3   | 0.007  | µg/L  |            |
| B250962-BLK4   | 0.012  | µg/L  |            |
| Average: 0.013 |        |       | MDL: 0.035 |
| Limit: 0.070   |        |       | MRL: 0.070 |

### Analyte: Cd

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250962-BLK1   | 0.0004  | µg/L  |            |
| B250962-BLK2   | -0.0002 | µg/L  |            |
| B250962-BLK3   | -0.0005 | µg/L  |            |
| B250962-BLK4   | -0.0001 | µg/L  |            |
| Average: 0.000 |         |       | MDL: 0.006 |
| Limit: 0.018   |         |       | MRL: 0.018 |

### Analyte: Co

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.003  | µg/L  |            |
| B250962-BLK2   | 0.002  | µg/L  |            |
| B250962-BLK3   | 0.002  | µg/L  |            |
| B250962-BLK4   | 0.0004 | µg/L  |            |
| Average: 0.002 |        |       | MDL: 0.013 |
| Limit: 0.045   |        |       | MRL: 0.045 |

### Analyte: Cr

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.022  | µg/L  |            |
| B250962-BLK2   | 0.027  | µg/L  |            |
| B250962-BLK3   | 0.023  | µg/L  |            |
| B250962-BLK4   | 0.022  | µg/L  |            |
| Average: 0.024 |        |       | MDL: 0.170 |
| Limit: 0.600   |        |       | MRL: 0.600 |



## Method Blanks & Reporting Limits

### Analyte: Cu

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.005  | µg/L  |            |
| B250962-BLK2   | 0.015  | µg/L  |            |
| B250962-BLK3   | 0.005  | µg/L  |            |
| B250962-BLK4   | 0.012  | µg/L  |            |
| Average: 0.009 |        |       | MDL: 0.090 |
| Limit: 0.180   |        |       | MRL: 0.180 |

### Analyte: Fe

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250962-BLK1   | 0.404  | µg/L  |           |
| B250962-BLK2   | 0.636  | µg/L  |           |
| B250962-BLK3   | 0.293  | µg/L  |           |
| B250962-BLK4   | 0.401  | µg/L  |           |
| Average: 0.434 |        |       | MDL: 1.80 |
| Limit: 5.400   |        |       | MRL: 5.40 |

### Analyte: Mn

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.016  | µg/L  |            |
| B250962-BLK2   | 0.017  | µg/L  |            |
| B250962-BLK3   | 0.016  | µg/L  |            |
| B250962-BLK4   | 0.015  | µg/L  |            |
| Average: 0.016 |        |       | MDL: 0.090 |
| Limit: 0.180   |        |       | MRL: 0.180 |

### Analyte: Ni

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.033  | µg/L  |            |
| B250962-BLK2   | 0.034  | µg/L  |            |
| B250962-BLK3   | 0.033  | µg/L  |            |
| B250962-BLK4   | 0.033  | µg/L  |            |
| Average: 0.033 |        |       | MDL: 0.120 |
| Limit: 0.360   |        |       | MRL: 0.360 |



## Method Blanks & Reporting Limits

### Analyte: Pb

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.001  | µg/L  |            |
| B250962-BLK2   | 0.002  | µg/L  |            |
| B250962-BLK3   | 0.001  | µg/L  |            |
| B250962-BLK4   | 0.002  | µg/L  |            |
| Average: 0.002 |        |       | MDL: 0.009 |
| Limit: 0.018   |        |       | MRL: 0.018 |

### Analyte: Sb

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.0006 | µg/L  |            |
| B250962-BLK2   | 0.0008 | µg/L  |            |
| B250962-BLK3   | 0.0002 | µg/L  |            |
| B250962-BLK4   | 0.0003 | µg/L  |            |
| Average: 0.000 |        |       | MDL: 0.005 |
| Limit: 0.015   |        |       | MRL: 0.015 |

### Analyte: Se

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250962-BLK1   | 0.005  | µg/L  |            |
| B250962-BLK2   | 0.005  | µg/L  |            |
| B250962-BLK3   | 0.002  | µg/L  |            |
| B250962-BLK4   | 0.008  | µg/L  |            |
| Average: 0.005 |        |       | MDL: 0.024 |
| Limit: 0.050   |        |       | MRL: 0.050 |

### Analyte: V

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250962-BLK1   | 0.0001  | µg/L  |            |
| B250962-BLK2   | 0.0004  | µg/L  |            |
| B250962-BLK3   | -0.0003 | µg/L  |            |
| B250962-BLK4   | 0.003   | µg/L  |            |
| Average: 0.001 |         |       | MDL: 0.013 |
| Limit: 0.045   |         |       | MRL: 0.045 |



## Method Blanks & Reporting Limits

**Analyte:** Zn

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250962-BLK1   | 0.154  | µg/L  |           |
| B250962-BLK2   | 0.274  | µg/L  |           |
| B250962-BLK3   | 0.138  | µg/L  |           |
| B250962-BLK4   | 0.304  | µg/L  |           |
| Average: 0.218 |        |       | MDL: 1.20 |
| Limit: 2.400   |        |       | MRL: 2.40 |



## Method Blanks & Reporting Limits

**Batch:** B250976  
**Matrix:** Water  
**Method:** EPA 1631 E  
**Analyte:** Hg

| Sample               | Result | Units |                                 |                  |  |
|----------------------|--------|-------|---------------------------------|------------------|--|
| B250976-BLK1         | 0.25   | ng/L  |                                 |                  |  |
| B250976-BLK2         | 0.19   | ng/L  |                                 |                  |  |
| B250976-BLK3         | 0.16   | ng/L  |                                 |                  |  |
| B250976-BLK4         | 0.15   | ng/L  |                                 |                  |  |
| <b>Average:</b> 0.19 |        |       | <b>Standard Deviation:</b> 0.05 | <b>MDL:</b> 0.13 |  |
| <b>Limit:</b> 0.50   |        |       | <b>Limit:</b> 0.13              | <b>MRL:</b> 0.40 |  |

**Project ID:** CRC-SE2501  
**PM:** Amy Goodall



BAL Report 2504430  
**Client PM:** Rusty Jones  
**Client Project:** MARALCO S.R.I.

## Sample Containers

|                           |                   |                             |            |                     |              |                              |                    |
|---------------------------|-------------------|-----------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2504430-01 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 04/30/2025 |                    |
| <b>Sample:</b> MW14       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 04/30/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2504430   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0112    | none                | n/a          | n/a                          | Cooler - 2504430   |
| <b>Lab ID:</b> 2504430-02 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 04/30/2025 |                    |
| <b>Sample:</b> MW14       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 04/30/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2504430   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2504430   |
| <b>Lab ID:</b> 2504430-03 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 04/30/2025 |                    |
| <b>Sample:</b> MW13       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 04/30/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2504430   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2504430   |
| <b>Lab ID:</b> 2504430-04 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 04/30/2025 |                    |
| <b>Sample:</b> MW13       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 04/30/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2507066      | <2                           | Cooler - 2504430   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2504430   |

**Project ID:** CRC-SE2501  
**PM:** Amy Goodall



BAL Report 2504430  
**Client PM:** Rusty Jones  
**Client Project:** MARALCO S.R.I.

## Shipping Containers

### Cooler - 2504430

**Received:** April 30, 2025 12:07  
**Tracking No:** n/a via Customer Drop-Off  
**Coolant Type:** Ice  
**Temperature:** 2.9 °C

**Description:** Cooler  
**Damaged in transit?** No  
**Returned to client?** No  
**Comments:** SCTH-1

**Custody seals present?** No  
**Custody seals intact?** No  
**COC present?** Yes



# Chain-of-Custody Form

BAL Report 2504430

Ship samples to:  
13751 Lake City Way NE, Suite 108  
Seattle, WA 98125

Received by: ASD (BAL) For BAL use only Date: 30 APR 2025  
Work Order ID: \_\_\_\_\_ Time: 1207  
Project ID: \_\_\_\_\_ AD

Client: CRETE Consulting PO Number: MARALCO  
Contact: Rusty Jones Phone: 832.330.1359  
Client Project ID: Maralco S.R.I. Email: \_\_\_\_\_  
Samples Collected By: Rusty Jones R. Jones

Mailing Address: \_\_\_\_\_  
Email Receipt Confirmation? (Yes/No)  
BAL PM: Amy Goodall

| Requested TAT (business days)                                                                                                                                                            |      | Collection |      | Client Sample Info |                      |                          |                                               | BAL Analyses Required |                     |                                                 |                                              |                                                    |            |                 | Comments        |                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|------|--------------------|----------------------|--------------------------|-----------------------------------------------|-----------------------|---------------------|-------------------------------------------------|----------------------------------------------|----------------------------------------------------|------------|-----------------|-----------------|--------------------------------------------------------------|
| <input checked="" type="checkbox"/> 20 (standard)<br><input type="checkbox"/> 15*<br><input type="checkbox"/> 10*<br><input type="checkbox"/> 5*<br><input type="checkbox"/> Other _____ |      | Date       | Time | Matrix Type        | Number of Containers | Field Filtered? (Yes/No) | Preservation Type HCl/HNO <sub>3</sub> /Other | Total Hg, EPA 1631    | Methyl Hg, EPA 1630 | ICP-MS Metals 1631 (specify) See Project Metals | As Species (specify) InOrg, III, V, MMA, DMA | Se Species (specify) Se(IV), Se(VI), SeCN, Unknown | Filtration | Other (specify) | Other (specify) | See Project Metals list with Amy Goodall<br><br>Specify Here |
| Sample ID                                                                                                                                                                                |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 1                                                                                                                                                                                        | MW14 | 4/30/25    | 0953 | WATER              | 4                    | Y+N                      | NONE                                          | X                     |                     | X                                               |                                              |                                                    |            |                 |                 | Total + Dissolved<br>Total + Dissolved                       |
| 2                                                                                                                                                                                        | MW13 | ↓          | 0856 | ↓                  | 4                    | Y+N                      | ↓                                             | X                     |                     | X                                               |                                              |                                                    |            |                 |                 |                                                              |
| 3                                                                                                                                                                                        |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 4                                                                                                                                                                                        |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 5                                                                                                                                                                                        |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 6                                                                                                                                                                                        |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 7                                                                                                                                                                                        |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 8                                                                                                                                                                                        |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 9                                                                                                                                                                                        |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| 10                                                                                                                                                                                       |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |
| Trip Blank                                                                                                                                                                               |      |            |      |                    |                      |                          |                                               |                       |                     |                                                 |                                              |                                                    |            |                 |                 |                                                              |

|                                  |                          |                   |                                 |             |             |
|----------------------------------|--------------------------|-------------------|---------------------------------|-------------|-------------|
| Relinquished By: <u>R. Jones</u> | Date: <u>4/30/2025</u>   | Time: <u>1207</u> | Relinquished By: _____          | Date: _____ | Time: _____ |
| Received By: <u>ASD (BAL)</u>    | Date: <u>30 APR 2025</u> | Time: <u>1207</u> | Total Number of Packages: _____ |             |             |

Page 1 of 1

List Hazardous Contaminants: \_\_\_\_\_

[samples@brooksupplied.com](mailto:samples@brooksupplied.com) | [brooksupplied.com](http://brooksupplied.com)



13751 Lake City Way NE, Ste 108, Seattle, WA 98125 • USA • T:206-632-6206 • [info@brooksapplied.com](mailto:info@brooksapplied.com)

May 13, 2025

Crete Consulting  
ATTN: Rusty Jones  
108 S. Washington Street, Suite 300  
Seattle, WA 98104  
832-330-1359  
[rusty.jones@creteconsulting.com](mailto:rusty.jones@creteconsulting.com)

RE: Project CRC-SE2501  
Client Project: Maralco

Dear Rusty Jones,

On February 28, 2025, Brooks Applied Labs (BAL) received twelve (12) sets of aqueous samples. The samples were logged-in for the analyses of for total recoverable and dissolved silver (Ag), aluminum (Al), arsenic (As), barium (Ba), cadmium (Cd), cobalt (Co), chromium (Cr), copper (Cu), iron (Fe), manganese (Mn), nickel (Ni), lead (Pb), antimony (Sb), selenium (Se), vanadium (V), zinc (Zn), mercury (Hg), and hexavalent chromium [Cr(VI)] according to the chain-of-custody form. All samples were received and stored according to BAL SOPs and EPA methodology.

All dissolved samples were 0.45µm filtered prior to receipt at BAL.

*Total Recoverable and Dissolved Metals Quantitation by ICP-QQQ-MS*

All aqueous samples were digested on a hotblock via modified EPA Method 1638 with nitric and hydrochloric acids. Trace metals were analyzed using inductively coupled plasma triple quadrupole mass spectrometry (ICP-QQQ-MS). The ICP-QQQ-MS uses advanced interference removal techniques to ensure accuracy of the sample results. For more information, please visit the *Interference Reduction Technology* section on our website, [www.brooksapplied.com](http://www.brooksapplied.com).

In instances where the native sample result and/or the associated duplicate (DUP) result were below the MDL the RPD was not calculated (N/C).

In instances where a matrix spike/matrix spike duplicate (MS/MSD) set was spiked at a level less than the native sample, the recoveries are not considered valid indicators of data quality. However, these results are reported as a demonstration of precision. When the spiking levels were ≤ 25% of the native sample concentrations, the recoveries were not reported (NR). No sample results were qualified on the basis of the MS or MSD recoveries.

The method blanks (BLK), B250480-BLK1 and B250480-BLK3 had Ba concentrations that were above the acceptance limit. All samples had Ba results that were greater than 10x the concentration of these BLKs, and no further action was required.

Some of the total results were less than the corresponding dissolved result. In all of these cases, the total and dissolved samples meet RPD, or the results met secondary criteria (within 5x the MRL and within the MRL of each other) and no further action was required.

The Mn results for samples 2503007-09 and 2503007-10 were above the calibration curve and could not be reported. These samples were reanalyzed in sequence S250219 at a greater dilution. The reported Mn results for these samples were from this reanalysis.

#### Total and Dissolved Mercury using MERX

Each aqueous fraction submitted for Hg analysis was prepared and analyzed in accordance with EPA Method 1631. Samples were oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride (SnCl<sub>2</sub>) reduction, dual gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a Brooks Rand Instrument's MERX-T CVAFS Mercury Automated-Analyzer.

#### Hexavalent Chromium Analysis

Hexavalent chromium [Cr(VI)] analysis was performed by ion chromatography inductively coupled plasma collision reaction cell mass spectrometry (IC-ICP-CRC-MS). Chromium species are first chromatographically separated on an ion exchange column and then quantified using inductively coupled plasma collision reaction cell mass spectrometry (ICP-CRC-MS). For more information on this determinative technique, please visit the *Interference Reduction Technology* section on our website.

Sample results reported for mercury were method blank corrected, while all other results were not method blank corrected, as described in the calculations section of the relevant BAL SOP(s). All results were evaluated using reporting limits adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

All data was reported without qualification and all associated quality control sample results met the acceptance criteria.

BAL verifies that the reported results of all analyses for which the laboratory is accredited meet the requirements of the accrediting body, unless otherwise noted in the report narrative. For more information regarding accreditations please see the *Report Information* and *Batch Summary* pages. This report must be used in its entirety for interpretation of results.

Please feel free to contact us if you have any questions regarding this report.

Sincerely,



Amy Goodall  
Project Manager  
Brooks Applied Labs  
amy@brooksapplied.com



## Report Information

### General Disclaimers

Test results are based solely upon the sample submitted to Brooks Applied Labs in the condition it was received. This report shall not be reproduced or copied, except in full, without written approval of the laboratory. Brooks Applied Labs is not responsible for the consequences arising from the use of a partial report.

### Laboratory Accreditation

BAL maintains accreditation with various state and national agencies for select test methods. For a current list of BAL accreditations, please visit our website at <http://www.brooksapplied.com/resources/certificates-permits/>. The reported analyte/matrix/method combination shall be considered outside BAL's scopes of accreditation unless otherwise identified as ISO, TNI, or ISO,TNI in the tables. It is the responsibility of the client to verify whether a specific accreditation is required for the intended data use.

**ISO:** ISO/IEC 17025:2017 accredited test method. Issued by ANSI National Accreditation Board (ANAB), #ADE-1447.02

**TNI:** NELAP accredited test method. Issued by the State of Florida Department of Health, #E87982.

**ISO,TNI:** Test method is accredited under both the ISO/IEC 17025:2017 and NELAP accreditations referenced above.

### Field Quality Control Samples

Please be notified that certain EPA methods require the collection of field quality control samples of an appropriate type and frequency; failure to do so is considered a deviation from some methods and for compliance purposes should only be done with the approval of regulatory authorities. Please see the specific EPA methods for details regarding required field quality control samples.

### Common Abbreviations

|            |                                     |            |                                    |
|------------|-------------------------------------|------------|------------------------------------|
| <b>AR</b>  | as received                         | <b>MS</b>  | matrix spike                       |
| <b>BAL</b> | Brooks Applied Labs                 | <b>MSD</b> | matrix spike duplicate             |
| <b>BLK</b> | method blank                        | <b>ND</b>  | non-detect                         |
| <b>BS</b>  | blank spike                         | <b>NR</b>  | non-reportable                     |
| <b>CAL</b> | calibration standard                | <b>N/C</b> | not calculated                     |
| <b>CCB</b> | continuing calibration blank        | <b>PS</b>  | post preparation spike             |
| <b>CCV</b> | continuing calibration verification | <b>REC</b> | percent recovery                   |
| <b>COC</b> | chain of custody record             | <b>RPD</b> | relative percent difference        |
| <b>D</b>   | dissolved fraction                  | <b>SCV</b> | secondary calibration verification |
| <b>DUP</b> | duplicate                           | <b>SOP</b> | standard operating procedure       |
| <b>IBL</b> | instrument blank                    | <b>SRM</b> | reference material                 |
| <b>ICV</b> | initial calibration verification    | <b>T</b>   | total fraction                     |
| <b>MDL</b> | method detection limit              | <b>TR</b>  | total recoverable fraction         |
| <b>MRL</b> | method reporting limit              |            |                                    |

### Definition of Data Qualifiers

|            |                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>E</b>   | An estimated value due to the presence of interferences. A full explanation is presented in the narrative.                                                                            |
| <b>H</b>   | Holding time and/or preservation requirements not met. Please see narrative for explanation.                                                                                          |
| <b>J</b>   | Detected by the instrument, the result is > the MDL but ≤ the MRL. Result is reported and considered an estimate.                                                                     |
| <b>J-1</b> | Estimated value. A full explanation is presented in the narrative.                                                                                                                    |
| <b>M</b>   | Duplicate precision (RPD) was not within acceptance criteria. Please see narrative for explanation.                                                                                   |
| <b>N</b>   | Spike recovery was not within acceptance criteria. Please see narrative for explanation.                                                                                              |
| <b>R</b>   | Rejected, unusable value. A full explanation is presented in the narrative.                                                                                                           |
| <b>U</b>   | Result is ≤ the MDL or client requested reporting limit (CRRL). Result reported as the MDL or CRRL.                                                                                   |
| <b>X</b>   | Result is not BLK-corrected and is within 10x the absolute value of the highest detectable BLK in the batch. Result is estimated.                                                     |
| <b>Z</b>   | Holding time and/or preservation requirements not established for this method; however, BAL recommendations for holding time were not followed. Please see narrative for explanation. |



## Sample Information

| Sample     | Lab ID     | Report Matrix | Type            | Sampled    | Received   |
|------------|------------|---------------|-----------------|------------|------------|
| MW4R       | 2503007-01 | Water         | Sample          | 02/24/2025 | 02/28/2025 |
| MW4R       | 2503007-02 | Water         | Sample          | 02/24/2025 | 02/28/2025 |
| MW6R       | 2503007-03 | Water         | Sample          | 02/24/2025 | 02/28/2025 |
| MW6R       | 2503007-04 | Water         | Sample          | 02/24/2025 | 02/28/2025 |
| MW10       | 2503007-05 | Water         | Sample          | 02/24/2025 | 02/28/2025 |
| MW10       | 2503007-06 | Water         | Sample          | 02/24/2025 | 02/28/2025 |
| MW1        | 2503007-07 | Water         | Sample          | 02/25/2025 | 02/28/2025 |
| MW1        | 2503007-08 | Water         | Sample          | 02/25/2025 | 02/28/2025 |
| MW8R       | 2503007-09 | Water         | Sample          | 02/25/2025 | 02/28/2025 |
| MW8R       | 2503007-10 | Water         | Sample          | 02/25/2025 | 02/28/2025 |
| MW3R       | 2503007-11 | Water         | Sample          | 02/25/2025 | 02/28/2025 |
| MW3R       | 2503007-12 | Water         | Sample          | 02/25/2025 | 02/28/2025 |
| DUP02-0225 | 2503007-13 | Water         | Field Duplicate | 02/26/2025 | 02/28/2025 |
| DUP02-0225 | 2503007-14 | Water         | Field Duplicate | 02/26/2025 | 02/28/2025 |
| MW9        | 2503007-15 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW9        | 2503007-16 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW11       | 2503007-17 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW11       | 2503007-18 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW2        | 2503007-19 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW2        | 2503007-20 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW5R2      | 2503007-21 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW5R2      | 2503007-22 | Water         | Sample          | 02/26/2025 | 02/28/2025 |
| MW7        | 2503007-23 | Water         | Sample          | 02/28/2025 | 02/28/2025 |
| MW7        | 2503007-24 | Water         | Sample          | 02/28/2025 | 02/28/2025 |



## Batch Summary

| Analyte | Lab Matrix | Method       | Accred. | Prepared | Analyzed | Batch   | Sequence |
|---------|------------|--------------|---------|----------|----------|---------|----------|
| Ag      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Al      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| As      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Ba      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Cd      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Co      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Cr      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Cr(VI)  | Water      | SOP BAL-4300 | ISO,TNI | 03/10/25 | 03/10/25 | B250472 | S250230  |
| Cu      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Fe      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Hg      | Water      | EPA 1631 E   | ISO,TNI | 03/05/25 | 03/06/25 | B250482 | S250221  |
| Hg      | Water      | EPA 1631 E   | ISO,TNI | 03/06/25 | 03/07/25 | B250486 | S250226  |
| Mn      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Mn      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/07/25 | B250480 | S250219  |
| Ni      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Pb      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Sb      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Se      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| V       | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |
| Zn      | Water      | EPA 1638 Mod | ISO,TNI | 03/05/25 | 03/06/25 | B250480 | S250213  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW4R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-01  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-01  | Al      | Water         | TR    | 530     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-01  | As      | Water         | TR    | 2.31    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-01  | Ba      | Water         | TR    | 46.9    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-01  | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-01  | Co      | Water         | TR    | 0.705   |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-01  | Cr      | Water         | TR    | 2.73    | J         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-01  | Cu      | Water         | TR    | 2.72    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-01  | Fe      | Water         | TR    | 18700   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-01  | Hg      | Water         | TR    | 8.87    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-01  | Mn      | Water         | TR    | 1070    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-01  | Ni      | Water         | TR    | 1.49    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-01  | Pb      | Water         | TR    | 0.151   | J         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-01  | Sb      | Water         | TR    | 0.082   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-01  | Se      | Water         | TR    | 0.279   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-01  | V       | Water         | TR    | 10.6    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-01  | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW4R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-02  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-02  | Al      | Water         | D     | 75.3    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-02  | As      | Water         | D     | 2.02    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-02  | Ba      | Water         | D     | 37.7    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-02  | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-02  | Co      | Water         | D     | 0.622   |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-02  | Cr      | Water         | D     | 2.00    | J         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-02  | Cu      | Water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-02  | Fe      | Water         | D     | 16800   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-02  | Hg      | Water         | D     | 2.86    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-02  | Mn      | Water         | D     | 1020    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-02  | Ni      | Water         | D     | 1.25    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-02  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-02  | Sb      | Water         | D     | 0.066   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-02  | Se      | Water         | D     | 0.300   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-02  | V       | Water         | D     | 8.21    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-02  | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW6R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-03  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-03  | Al      | Water         | TR    | 318     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-03  | As      | Water         | TR    | 0.364   | J         | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-03  | Ba      | Water         | TR    | 140     |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-03  | Cd      | Water         | TR    | 0.807   |           | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-03  | Co      | Water         | TR    | 33.4    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-03  | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-03  | Cu      | Water         | TR    | 1.92    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-03  | Fe      | Water         | TR    | 3650    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-03  | Hg      | Water         | TR    | 0.87    |           | 0.13  | 0.41  | ng/L | B250486 | S250226  |
| 2503007-03  | Mn      | Water         | TR    | 1650    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-03  | Ni      | Water         | TR    | 38.9    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-03  | Pb      | Water         | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-03  | Sb      | Water         | TR    | 0.075   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-03  | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-03  | V       | Water         | TR    | 0.418   | J         | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-03  | Zn      | Water         | TR    | 26.7    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW6R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-04  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-04  | Al      | Water         | D     | 310     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-04  | As      | Water         | D     | 0.360   | J         | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-04  | Ba      | Water         | D     | 141     |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-04  | Cd      | Water         | D     | 0.718   |           | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-04  | Co      | Water         | D     | 33.3    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-04  | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-04  | Cu      | Water         | D     | 3.58    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-04  | Fe      | Water         | D     | 3500    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-04  | Hg      | Water         | D     | 0.54    |           | 0.13  | 0.41  | ng/L | B250486 | S250226  |
| 2503007-04  | Mn      | Water         | D     | 1680    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-04  | Ni      | Water         | D     | 39.5    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-04  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-04  | Sb      | Water         | D     | 0.055   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-04  | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-04  | V       | Water         | D     | 0.374   | J         | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-04  | Zn      | Water         | D     | 24.7    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW10</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-05  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-05  | Al      | Water         | TR    | 106     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-05  | As      | Water         | TR    | 10.2    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-05  | Ba      | Water         | TR    | 26.5    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-05  | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-05  | Co      | Water         | TR    | 0.664   |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-05  | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-05  | Cu      | Water         | TR    | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-05  | Fe      | Water         | TR    | 21000   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-05  | Hg      | Water         | TR    | 2.03    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-05  | Mn      | Water         | TR    | 1890    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-05  | Ni      | Water         | TR    | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-05  | Pb      | Water         | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-05  | Sb      | Water         | TR    | 0.078   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-05  | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-05  | V       | Water         | TR    | 6.67    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-05  | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW10</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-06  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-06  | Al      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-06  | As      | Water         | D     | 9.41    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-06  | Ba      | Water         | D     | 26.8    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-06  | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-06  | Co      | Water         | D     | 0.597   |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-06  | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-06  | Cu      | Water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-06  | Fe      | Water         | D     | 20200   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-06  | Hg      | Water         | D     | 0.69    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-06  | Mn      | Water         | D     | 1830    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-06  | Ni      | Water         | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-06  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-06  | Sb      | Water         | D     | 0.066   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-06  | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-06  | V       | Water         | D     | 5.89    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-06  | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample     | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW1</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-07 | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-07 | Al      | Water         | TR    | 34.9    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-07 | As      | Water         | TR    | 0.544   | J         | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-07 | Ba      | Water         | TR    | 7.57    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-07 | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-07 | Co      | Water         | TR    | 4.00    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-07 | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-07 | Cu      | Water         | TR    | 1.70    | J         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-07 | Fe      | Water         | TR    | 1340    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-07 | Hg      | Water         | TR    | 1.11    |           | 0.13  | 0.41  | ng/L | B250486 | S250226  |
| 2503007-07 | Mn      | Water         | TR    | 171     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-07 | Ni      | Water         | TR    | 8.24    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-07 | Pb      | Water         | TR    | 0.159   | J         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-07 | Sb      | Water         | TR    | 0.053   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-07 | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-07 | V       | Water         | TR    | 2.15    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-07 | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW1</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-08 | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-08 | Al      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-08 | As      | Water         | D     | 0.314   | J         | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-08 | Ba      | Water         | D     | 7.22    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-08 | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-08 | Co      | Water         | D     | 3.85    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-08 | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-08 | Cu      | Water         | D     | 0.933   | J         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-08 | Fe      | Water         | D     | 872     |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-08 | Hg      | Water         | D     | ≤ 0.13  | U         | 0.13  | 0.41  | ng/L | B250486 | S250226  |
| 2503007-08 | Mn      | Water         | D     | 154     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-08 | Ni      | Water         | D     | 7.26    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-08 | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-08 | Sb      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-08 | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-08 | V       | Water         | D     | 1.01    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-08 | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW8R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-09  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-09  | Al      | Water         | TR    | 20.2    | J         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-09  | As      | Water         | TR    | 23.9    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-09  | Ba      | Water         | TR    | 42.3    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-09  | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-09  | Co      | Water         | TR    | 2.74    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-09  | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-09  | Cu      | Water         | TR    | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-09  | Fe      | Water         | TR    | 62300   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-09  | Hg      | Water         | TR    | 0.81    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-09  | Mn      | Water         | TR    | 2920    |           | 9.09  | 18.2  | µg/L | B250480 | S250219  |
| 2503007-09  | Ni      | Water         | TR    | 1.76    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-09  | Pb      | Water         | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-09  | Sb      | Water         | TR    | 0.057   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-09  | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-09  | V       | Water         | TR    | 4.75    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-09  | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW8R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-10  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-10  | Al      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-10  | As      | Water         | D     | 26.6    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-10  | Ba      | Water         | D     | 41.1    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-10  | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-10  | Co      | Water         | D     | 2.91    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-10  | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-10  | Cu      | Water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-10  | Fe      | Water         | D     | 68400   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-10  | Hg      | Water         | D     | 0.18    | J         | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-10  | Mn      | Water         | D     | 3030    |           | 9.09  | 18.2  | µg/L | B250480 | S250219  |
| 2503007-10  | Ni      | Water         | D     | 1.70    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-10  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-10  | Sb      | Water         | D     | 0.059   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-10  | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-10  | V       | Water         | D     | 4.91    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-10  | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW3R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-11  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-11  | Al      | Water         | TR    | 2120    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-11  | As      | Water         | TR    | 2.24    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-11  | Ba      | Water         | TR    | 16.2    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-11  | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-11  | Co      | Water         | TR    | 1.89    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-11  | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-11  | Cu      | Water         | TR    | 31.6    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-11  | Fe      | Water         | TR    | 453     |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-11  | Hg      | Water         | TR    | 26.6    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-11  | Mn      | Water         | TR    | 78.6    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-11  | Ni      | Water         | TR    | 4.95    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-11  | Pb      | Water         | TR    | 0.233   |           | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-11  | Sb      | Water         | TR    | 0.434   |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-11  | Se      | Water         | TR    | 0.491   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-11  | V       | Water         | TR    | 8.65    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-11  | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW3R</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-12  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-12  | Al      | Water         | D     | 2040    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-12  | As      | Water         | D     | 1.99    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-12  | Ba      | Water         | D     | 16.0    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-12  | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-12  | Co      | Water         | D     | 1.65    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-12  | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-12  | Cu      | Water         | D     | 24.8    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-12  | Fe      | Water         | D     | 176     |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-12  | Hg      | Water         | D     | 15.3    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-12  | Mn      | Water         | D     | 72.3    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-12  | Ni      | Water         | D     | 4.84    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-12  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-12  | Sb      | Water         | D     | 0.427   |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-12  | Se      | Water         | D     | 0.367   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-12  | V       | Water         | D     | 6.44    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-12  | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample            | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>DUP02-0225</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-13        | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-13        | Al      | Water         | TR    | 1240    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-13        | As      | Water         | TR    | 15.8    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-13        | Ba      | Water         | TR    | 22.8    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-13        | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-13        | Co      | Water         | TR    | 1.31    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-13        | Cr      | Water         | TR    | 6.01    | J         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-13        | Cu      | Water         | TR    | 11.6    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-13        | Fe      | Water         | TR    | 14300   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-13        | Hg      | Water         | TR    | 30.1    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-13        | Mn      | Water         | TR    | 776     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-13        | Ni      | Water         | TR    | 3.25    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-13        | Pb      | Water         | TR    | 1.27    |           | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-13        | Sb      | Water         | TR    | 2.30    |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-13        | Se      | Water         | TR    | 0.538   |           | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-13        | V       | Water         | TR    | 37.4    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-13        | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>DUP02-0225</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-14        | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-14        | Al      | Water         | D     | 607     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-14        | As      | Water         | D     | 15.0    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-14        | Ba      | Water         | D     | 18.2    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-14        | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-14        | Co      | Water         | D     | 1.09    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-14        | Cr      | Water         | D     | 4.45    | J         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-14        | Cr(VI)  | Water         | D     | 0.036   | J         | 0.025 | 0.051 | µg/L | B250472 | S250230  |
| 2503007-14        | Cu      | Water         | D     | 2.22    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-14        | Fe      | Water         | D     | 13200   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-14        | Hg      | Water         | D     | 8.93    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-14        | Mn      | Water         | D     | 763     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-14        | Ni      | Water         | D     | 2.44    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-14        | Pb      | Water         | D     | 0.094   | J         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-14        | Sb      | Water         | D     | 2.14    |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-14        | Se      | Water         | D     | 0.481   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-14        | V       | Water         | D     | 30.1    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-14        | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample     | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW9</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-15 | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-15 | Al      | Water         | TR    | 58.9    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-15 | As      | Water         | TR    | 3.41    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-15 | Ba      | Water         | TR    | 107     |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-15 | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-15 | Co      | Water         | TR    | 5.03    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-15 | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-15 | Cu      | Water         | TR    | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-15 | Fe      | Water         | TR    | 87900   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-15 | Hg      | Water         | TR    | 1.35    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-15 | Mn      | Water         | TR    | 2030    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-15 | Ni      | Water         | TR    | 2.40    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-15 | Pb      | Water         | TR    | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-15 | Sb      | Water         | TR    | 0.155   |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-15 | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-15 | V       | Water         | TR    | 1.28    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-15 | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW9</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-16 | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-16 | Al      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-16 | As      | Water         | D     | 3.17    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-16 | Ba      | Water         | D     | 105     |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-16 | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-16 | Co      | Water         | D     | 4.88    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-16 | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-16 | Cu      | Water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-16 | Fe      | Water         | D     | 83400   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-16 | Hg      | Water         | D     | 0.69    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-16 | Mn      | Water         | D     | 1980    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-16 | Ni      | Water         | D     | 2.47    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-16 | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-16 | Sb      | Water         | D     | 0.132   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-16 | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-16 | V       | Water         | D     | 0.885   |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-16 | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample      | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW11</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-17  | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-17  | Al      | Water         | TR    | 607     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-17  | As      | Water         | TR    | 3.83    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-17  | Ba      | Water         | TR    | 15.9    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-17  | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-17  | Co      | Water         | TR    | 3.63    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-17  | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-17  | Cu      | Water         | TR    | 4.05    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-17  | Fe      | Water         | TR    | 4270    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-17  | Hg      | Water         | TR    | 2.47    |           | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-17  | Mn      | Water         | TR    | 346     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-17  | Ni      | Water         | TR    | 4.28    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-17  | Pb      | Water         | TR    | 0.239   |           | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-17  | Sb      | Water         | TR    | 0.115   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-17  | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-17  | V       | Water         | TR    | 2.46    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-17  | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW11</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-18  | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-18  | Al      | Water         | D     | 22.3    | J         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-18  | As      | Water         | D     | 4.10    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-18  | Ba      | Water         | D     | 11.6    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-18  | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-18  | Co      | Water         | D     | 3.69    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-18  | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-18  | Cu      | Water         | D     | 2.07    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-18  | Fe      | Water         | D     | 4560    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-18  | Hg      | Water         | D     | 0.29    | J         | 0.14  | 0.42  | ng/L | B250486 | S250226  |
| 2503007-18  | Mn      | Water         | D     | 392     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-18  | Ni      | Water         | D     | 4.26    |           | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-18  | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-18  | Sb      | Water         | D     | 0.094   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-18  | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-18  | V       | Water         | D     | 0.808   |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-18  | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample     | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW2</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-19 | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-19 | Al      | Water         | TR    | 399     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-19 | As      | Water         | TR    | 0.849   |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-19 | Ba      | Water         | TR    | 5.75    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-19 | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-19 | Co      | Water         | TR    | 0.572   |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-19 | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-19 | Cu      | Water         | TR    | 3.12    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-19 | Fe      | Water         | TR    | 1480    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-19 | Hg      | Water         | TR    | 5.39    |           | 0.13  | 0.41  | ng/L | B250486 | S250226  |
| 2503007-19 | Mn      | Water         | TR    | 31.1    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-19 | Ni      | Water         | TR    | 3.32    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-19 | Pb      | Water         | TR    | 0.421   |           | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-19 | Sb      | Water         | TR    | 0.162   |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-19 | Se      | Water         | TR    | 0.412   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-19 | V       | Water         | TR    | 4.92    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-19 | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW2</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-20 | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-20 | Al      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-20 | As      | Water         | D     | ≤ 0.222 | U         | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-20 | Ba      | Water         | D     | 2.71    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-20 | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-20 | Co      | Water         | D     | 0.230   | J         | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-20 | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-20 | Cu      | Water         | D     | 1.91    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-20 | Fe      | Water         | D     | 108     |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-20 | Hg      | Water         | D     | 1.40    |           | 0.13  | 0.41  | ng/L | B250486 | S250226  |
| 2503007-20 | Mn      | Water         | D     | 13.5    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-20 | Ni      | Water         | D     | 2.72    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-20 | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-20 | Sb      | Water         | D     | 0.140   | J         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-20 | Se      | Water         | D     | 0.399   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-20 | V       | Water         | D     | 1.18    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-20 | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample       | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|--------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW5R2</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-21   | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-21   | Al      | Water         | TR    | 1230    |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-21   | As      | Water         | TR    | 16.2    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-21   | Ba      | Water         | TR    | 22.0    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-21   | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-21   | Co      | Water         | TR    | 1.32    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-21   | Cr      | Water         | TR    | 6.08    |           | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-21   | Cu      | Water         | TR    | 11.5    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-21   | Fe      | Water         | TR    | 14700   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-21   | Hg      | Water         | TR    | 31.5    |           | 0.14  | 0.42  | ng/L | B250482 | S250221  |
| 2503007-21   | Mn      | Water         | TR    | 755     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-21   | Ni      | Water         | TR    | 3.07    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-21   | Pb      | Water         | TR    | 0.677   |           | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-21   | Sb      | Water         | TR    | 2.31    |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-21   | Se      | Water         | TR    | 0.550   |           | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-21   | V       | Water         | TR    | 38.8    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-21   | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW5R2</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-22   | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-22   | Al      | Water         | D     | 607     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-22   | As      | Water         | D     | 14.2    |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-22   | Ba      | Water         | D     | 17.6    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-22   | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-22   | Co      | Water         | D     | 1.02    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-22   | Cr      | Water         | D     | 4.57    | J         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-22   | Cr(VI)  | Water         | D     | 0.038   | J         | 0.025 | 0.051 | µg/L | B250472 | S250230  |
| 2503007-22   | Cu      | Water         | D     | 2.30    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-22   | Fe      | Water         | D     | 12600   |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-22   | Hg      | Water         | D     | 8.53    |           | 0.14  | 0.42  | ng/L | B250482 | S250221  |
| 2503007-22   | Mn      | Water         | D     | 743     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-22   | Ni      | Water         | D     | 2.44    | J         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-22   | Pb      | Water         | D     | 0.093   | J         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-22   | Sb      | Water         | D     | 2.06    |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-22   | Se      | Water         | D     | 0.411   | J         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-22   | V       | Water         | D     | 29.3    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-22   | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Sample Results

| Sample     | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>MW7</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-23 | Ag      | Water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-23 | Al      | Water         | TR    | 369     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-23 | As      | Water         | TR    | 0.936   |           | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-23 | Ba      | Water         | TR    | 72.7    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-23 | Cd      | Water         | TR    | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-23 | Co      | Water         | TR    | 0.435   | J         | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-23 | Cr      | Water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-23 | Cu      | Water         | TR    | 5.29    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-23 | Fe      | Water         | TR    | 3300    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-23 | Hg      | Water         | TR    | 4.67    |           | 0.14  | 0.42  | ng/L | B250482 | S250221  |
| 2503007-23 | Mn      | Water         | TR    | 162     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-23 | Ni      | Water         | TR    | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-23 | Pb      | Water         | TR    | 0.235   |           | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-23 | Sb      | Water         | TR    | 0.323   |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-23 | Se      | Water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-23 | V       | Water         | TR    | 7.34    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-23 | Zn      | Water         | TR    | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| <b>MW7</b> |         |               |       |         |           |       |       |      |         |          |
| 2503007-24 | Ag      | Water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-24 | Al      | Water         | D     | 204     |           | 12.1  | 24.2  | µg/L | B250480 | S250213  |
| 2503007-24 | As      | Water         | D     | 0.388   | J         | 0.222 | 0.727 | µg/L | B250480 | S250213  |
| 2503007-24 | Ba      | Water         | D     | 68.2    |           | 0.354 | 0.707 | µg/L | B250480 | S250213  |
| 2503007-24 | Cd      | Water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-24 | Co      | Water         | D     | 0.394   | J         | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-24 | Cr      | Water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250480 | S250213  |
| 2503007-24 | Cu      | Water         | D     | 2.33    |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-24 | Fe      | Water         | D     | 2010    |           | 18.2  | 54.5  | µg/L | B250480 | S250213  |
| 2503007-24 | Hg      | Water         | D     | 0.72    |           | 0.14  | 0.42  | ng/L | B250482 | S250221  |
| 2503007-24 | Mn      | Water         | D     | 161     |           | 0.909 | 1.82  | µg/L | B250480 | S250213  |
| 2503007-24 | Ni      | Water         | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B250480 | S250213  |
| 2503007-24 | Pb      | Water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250480 | S250213  |
| 2503007-24 | Sb      | Water         | D     | 0.257   |           | 0.051 | 0.152 | µg/L | B250480 | S250213  |
| 2503007-24 | Se      | Water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250480 | S250213  |
| 2503007-24 | V       | Water         | D     | 4.78    |           | 0.131 | 0.455 | µg/L | B250480 | S250213  |
| 2503007-24 | Zn      | Water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250480 | S250213  |



## Accuracy & Precision Summary

Batch: B250472  
Lab Matrix: Water  
Method: SOP BAL-4300

| Sample       | Analyte                                        | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250472-BS1  | Blank Spike, (2432005)<br>Cr(VI)               |        | 2.000 | 2.171  | µg/L  | 109% 75-125  |              |
| B250472-DUP1 | Duplicate, (2503007-22)<br>Cr(VI)              | 0.038  |       | 0.037  | µg/L  |              | 3% 25        |
| B250472-MS1  | Matrix Spike, (2503007-22)<br>Cr(VI)           | 0.038  | 5.051 | 5.417  | µg/L  | 107% 75-125  |              |
| B250472-MSD1 | Matrix Spike Duplicate, (2503007-22)<br>Cr(VI) | 0.038  | 5.051 | 5.471  | µg/L  | 108% 75-125  | 1% 25        |



## Accuracy & Precision Summary

Batch: B250480  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample      | Analyte                | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|-------------|------------------------|--------|-------|--------|-------|--------------|--------------|
| B250480-BS1 | Blank Spike, (2509003) |        |       |        |       |              |              |
|             | Ag                     |        | 5.556 | 5.456  | µg/L  | 98% 75-125   |              |
|             | Al                     |        | 5556  | 5249   | µg/L  | 94% 75-125   |              |
|             | As                     |        | 55.56 | 54.83  | µg/L  | 99% 75-125   |              |
|             | Ba                     |        | 55.56 | 55.34  | µg/L  | 100% 75-125  |              |
|             | Cd                     |        | 5.556 | 5.302  | µg/L  | 95% 75-125   |              |
|             | Co                     |        | 55.56 | 54.35  | µg/L  | 98% 75-125   |              |
|             | Cr                     |        | 55.56 | 54.93  | µg/L  | 99% 75-125   |              |
|             | Cu                     |        | 55.56 | 54.22  | µg/L  | 98% 75-125   |              |
|             | Fe                     |        | 5556  | 5471   | µg/L  | 98% 75-125   |              |
|             | Mn                     |        | 55.56 | 54.91  | µg/L  | 99% 75-125   |              |
|             | Ni                     |        | 55.56 | 53.27  | µg/L  | 96% 75-125   |              |
|             | Pb                     |        | 5.556 | 5.334  | µg/L  | 96% 75-125   |              |
|             | Sb                     |        | 5.556 | 5.386  | µg/L  | 97% 75-125   |              |
|             | Se                     |        | 55.56 | 53.92  | µg/L  | 97% 75-125   |              |
|             | V                      |        | 55.56 | 55.14  | µg/L  | 99% 75-125   |              |
|             | Zn                     |        | 55.56 | 54.59  | µg/L  | 98% 75-125   |              |
| B250480-BS2 | Blank Spike, (2509003) |        |       |        |       |              |              |
|             | Ag                     |        | 5.556 | 5.392  | µg/L  | 97% 75-125   |              |
|             | Al                     |        | 5556  | 5202   | µg/L  | 94% 75-125   |              |
|             | As                     |        | 55.56 | 54.89  | µg/L  | 99% 75-125   |              |
|             | Ba                     |        | 55.56 | 55.50  | µg/L  | 100% 75-125  |              |
|             | Cd                     |        | 5.556 | 5.406  | µg/L  | 97% 75-125   |              |
|             | Co                     |        | 55.56 | 55.05  | µg/L  | 99% 75-125   |              |
|             | Cr                     |        | 55.56 | 58.69  | µg/L  | 106% 75-125  |              |
|             | Cu                     |        | 55.56 | 57.87  | µg/L  | 104% 75-125  |              |
|             | Fe                     |        | 5556  | 5554   | µg/L  | 100% 75-125  |              |
|             | Mn                     |        | 55.56 | 55.00  | µg/L  | 99% 75-125   |              |
|             | Ni                     |        | 55.56 | 53.09  | µg/L  | 96% 75-125   |              |
|             | Pb                     |        | 5.556 | 5.389  | µg/L  | 97% 75-125   |              |
|             | Sb                     |        | 5.556 | 5.483  | µg/L  | 99% 75-125   |              |
|             | Se                     |        | 55.56 | 54.65  | µg/L  | 98% 75-125   |              |
|             | V                      |        | 55.56 | 55.56  | µg/L  | 100% 75-125  |              |
|             | Zn                     |        | 55.56 | 54.34  | µg/L  | 98% 75-125   |              |



## Accuracy & Precision Summary

Batch: B250480  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike  | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|--------|--------|-------|--------------|--------------|
| B250480-SRM1 | Reference Material (2440037, NIST 1643f) |        |        |        |       |              |              |
|              | Ba                                       |        | 518.2  | 573.5  | µg/L  | 111% 75-125  |              |
|              | Co                                       |        | 25.30  | 24.16  | µg/L  | 96% 75-125   |              |
|              | Sb                                       |        | 55.45  | 52.94  | µg/L  | 95% 75-125   |              |
| B250480-SRM2 | Reference Material (2440037, NIST 1643f) |        |        |        |       |              |              |
|              | Ba                                       |        | 518.2  | 500.4  | µg/L  | 97% 75-125   |              |
|              | Co                                       |        | 25.30  | 24.42  | µg/L  | 97% 75-125   |              |
|              | Sb                                       |        | 55.45  | 52.90  | µg/L  | 95% 75-125   |              |
| B250480-SRM3 | Reference Material (2440037, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 0.973  | µg/L  | 100% 75-125  |              |
|              | Al                                       |        | 133.8  | 130.5  | µg/L  | 98% 75-125   |              |
|              | As                                       |        | 57.42  | 56.90  | µg/L  | 99% 75-125   |              |
|              | Cd                                       |        | 5.890  | 5.739  | µg/L  | 97% 75-125   |              |
|              | Cr                                       |        | 18.50  | 18.42  | µg/L  | 100% 75-125  |              |
|              | Cu                                       |        | 21.66  | 21.22  | µg/L  | 98% 75-125   |              |
|              | Fe                                       |        | 93.44  | 94.22  | µg/L  | 101% 75-125  |              |
|              | Mn                                       |        | 37.14  | 37.02  | µg/L  | 100% 75-125  |              |
|              | Ni                                       |        | 59.80  | 57.88  | µg/L  | 97% 75-125   |              |
|              | Pb                                       |        | 18.49  | 18.10  | µg/L  | 98% 75-125   |              |
|              | Se                                       |        | 11.70  | 11.37  | µg/L  | 97% 75-125   |              |
|              | V                                        |        | 36.07  | 36.15  | µg/L  | 100% 75-125  |              |
|              | Zn                                       |        | 74.40  | 74.92  | µg/L  | 101% 75-125  |              |



## Accuracy & Precision Summary

Batch: B250480  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike  | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|--------|--------|-------|--------------|--------------|
| B250480-SRM4 | Reference Material (2440037, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 0.970  | µg/L  | 100% 75-125  |              |
|              | Al                                       |        | 133.8  | 135.0  | µg/L  | 101% 75-125  |              |
|              | As                                       |        | 57.42  | 56.92  | µg/L  | 99% 75-125   |              |
|              | Cd                                       |        | 5.890  | 5.740  | µg/L  | 97% 75-125   |              |
|              | Cr                                       |        | 18.50  | 18.79  | µg/L  | 102% 75-125  |              |
|              | Cu                                       |        | 21.66  | 21.54  | µg/L  | 99% 75-125   |              |
|              | Fe                                       |        | 93.44  | 96.00  | µg/L  | 103% 75-125  |              |
|              | Mn                                       |        | 37.14  | 37.29  | µg/L  | 100% 75-125  |              |
|              | Ni                                       |        | 59.80  | 57.54  | µg/L  | 96% 75-125   |              |
|              | Pb                                       |        | 18.49  | 18.32  | µg/L  | 99% 75-125   |              |
|              | Se                                       |        | 11.70  | 11.33  | µg/L  | 97% 75-125   |              |
|              | V                                        |        | 36.07  | 36.57  | µg/L  | 101% 75-125  |              |
|              | Zn                                       |        | 74.40  | 75.27  | µg/L  | 101% 75-125  |              |
| B250480-DUP1 | Duplicate, (2503007-01)                  |        |        |        |       |              |              |
|              | Ag                                       | ND     |        | ND     | µg/L  |              | N/C 20       |
|              | Al                                       | 529.9  |        | 497.4  | µg/L  |              | 6% 20        |
|              | As                                       | 2.311  |        | 2.233  | µg/L  |              | 3% 20        |
|              | Ba                                       | 46.93  |        | 44.79  | µg/L  |              | 5% 20        |
|              | Cd                                       | ND     |        | ND     | µg/L  |              | N/C 20       |
|              | Co                                       | 0.705  |        | 0.650  | µg/L  |              | 8% 20        |
|              | Cr                                       | 2.728  |        | 2.312  | µg/L  |              | 17% 20       |
|              | Cu                                       | 2.722  |        | 2.586  | µg/L  |              | 5% 20        |
|              | Fe                                       | 18680  |        | 17890  | µg/L  |              | 4% 20        |
|              | Mn                                       | 1066   |        | 1020   | µg/L  |              | 4% 20        |
|              | Ni                                       | 1.488  |        | 1.343  | µg/L  |              | 10% 20       |
|              | Pb                                       | 0.151  |        | 0.135  | µg/L  |              | 12% 20       |
|              | Sb                                       | 0.082  |        | 0.087  | µg/L  |              | 6% 20        |
|              | Se                                       | 0.279  |        | 0.302  | µg/L  |              | 8% 20        |
|              | V                                        | 10.63  |        | 10.20  | µg/L  |              | 4% 20        |
|              | Zn                                       | ND     |        | ND     | µg/L  |              | N/C 20       |



## Accuracy & Precision Summary

Batch: B250480  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits |        | RPD & Limits |          |  |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------|--------------|----------|--|
| B250480-MS1  | Matrix Spike, (2503007-01)           |        |       |        |       |              |        |              |          |  |
|              | Ag                                   | ND     | 5.612 | 5.512  | µg/L  | 98%          | 75-125 |              |          |  |
|              | Al                                   | 529.9  | 5612  | 5683   | µg/L  | 92%          | 75-125 |              |          |  |
|              | As                                   | 2.311  | 56.12 | 57.24  | µg/L  | 98%          | 75-125 |              |          |  |
|              | Cd                                   | ND     | 5.612 | 5.498  | µg/L  | 98%          | 75-125 |              |          |  |
|              | Co                                   | 0.705  | 56.12 | 54.98  | µg/L  | 97%          | 75-125 |              |          |  |
|              | Cr                                   | 2.728  | 56.12 | 56.07  | µg/L  | 95%          | 75-125 |              |          |  |
|              | Cu                                   | 2.722  | 56.12 | 57.30  | µg/L  | 97%          | 75-125 |              |          |  |
|              | Fe                                   | 18680  | 5612  | 23310  | µg/L  | 82%          | 75-125 |              |          |  |
|              | Mn                                   | 1066   | 56.12 | 1067   | µg/L  | NR           | 75-125 |              |          |  |
|              | Ni                                   | 1.488  | 56.12 | 54.16  | µg/L  | 94%          | 75-125 |              |          |  |
|              | Pb                                   | 0.151  | 5.612 | 5.628  | µg/L  | 98%          | 75-125 |              |          |  |
|              | Sb                                   | 0.082  | 5.612 | 5.584  | µg/L  | 98%          | 75-125 |              |          |  |
|              | Se                                   | 0.279  | 56.12 | 54.51  | µg/L  | 97%          | 75-125 |              |          |  |
|              | V                                    | 10.63  | 56.12 | 64.79  | µg/L  | 97%          | 75-125 |              |          |  |
| Zn           | ND                                   | 56.12  | 58.19 | µg/L   | 104%  | 75-125       |        |              |          |  |
| B250480-MS4  | Matrix Spike, (2503007-01)           |        |       |        |       |              |        |              |          |  |
|              | Ba                                   | 46.93  | 56.12 | 106.9  | µg/L  | 107%         | 75-125 |              |          |  |
| B250480-MSD1 | Matrix Spike Duplicate, (2503007-01) |        |       |        |       |              |        |              |          |  |
|              | Ag                                   | ND     | 5.612 | 5.446  | µg/L  | 97%          | 75-125 |              | 1% 20    |  |
|              | Al                                   | 529.9  | 5612  | 5704   | µg/L  | 92%          | 75-125 |              | 0.4% 20  |  |
|              | As                                   | 2.311  | 56.12 | 57.98  | µg/L  | 99%          | 75-125 |              | 1% 20    |  |
|              | Cd                                   | ND     | 5.612 | 5.736  | µg/L  | 102%         | 75-125 |              | 4% 20    |  |
|              | Co                                   | 0.705  | 56.12 | 55.38  | µg/L  | 97%          | 75-125 |              | 0.7% 20  |  |
|              | Cr                                   | 2.728  | 56.12 | 57.29  | µg/L  | 97%          | 75-125 |              | 2% 20    |  |
|              | Cu                                   | 2.722  | 56.12 | 58.44  | µg/L  | 99%          | 75-125 |              | 2% 20    |  |
|              | Fe                                   | 18680  | 5612  | 23480  | µg/L  | 85%          | 75-125 |              | 0.7% 20  |  |
|              | Mn                                   | 1066   | 56.12 | 1075   | µg/L  | NR           | 75-125 |              | N/C 20   |  |
|              | Ni                                   | 1.488  | 56.12 | 54.80  | µg/L  | 95%          | 75-125 |              | 1% 20    |  |
|              | Pb                                   | 0.151  | 5.612 | 5.611  | µg/L  | 97%          | 75-125 |              | 0.3% 20  |  |
|              | Sb                                   | 0.082  | 5.612 | 5.587  | µg/L  | 98%          | 75-125 |              | 0.05% 20 |  |
|              | Se                                   | 0.279  | 56.12 | 54.38  | µg/L  | 96%          | 75-125 |              | 0.2% 20  |  |
|              | V                                    | 10.63  | 56.12 | 65.65  | µg/L  | 98%          | 75-125 |              | 1% 20    |  |
|              | Zn                                   | ND     | 56.12 | 59.03  | µg/L  | 105%         | 75-125 |              | 1% 20    |  |



## Accuracy & Precision Summary

Batch: B250480  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits |        | RPD & Limits |    |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------|--------------|----|
| B250480-MSD4 | Matrix Spike Duplicate, (2503007-01) |        |       |        |       |              |        |              |    |
|              | Ba                                   | 46.93  | 56.12 | 105.7  | µg/L  | 105%         | 75-125 | 1%           | 20 |
| B250480-DUP2 | Duplicate, (2503007-03)              |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Al                                   | 317.5  |       | 311.8  | µg/L  |              |        | 2%           | 20 |
|              | As                                   | 0.364  |       | 0.324  | µg/L  |              |        | 12%          | 20 |
|              | Ba                                   | 139.8  |       | 136.6  | µg/L  |              |        | 2%           | 20 |
|              | Cd                                   | 0.807  |       | 0.731  | µg/L  |              |        | 10%          | 20 |
|              | Co                                   | 33.39  |       | 32.47  | µg/L  |              |        | 3%           | 20 |
|              | Cr                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Cu                                   | 1.920  |       | 1.757  | µg/L  |              |        | 9%           | 20 |
|              | Fe                                   | 3649   |       | 3503   | µg/L  |              |        | 4%           | 20 |
|              | Mn                                   | 1649   |       | 1611   | µg/L  |              |        | 2%           | 20 |
|              | Ni                                   | 38.87  |       | 37.77  | µg/L  |              |        | 3%           | 20 |
|              | Pb                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Sb                                   | 0.075  |       | 0.082  | µg/L  |              |        | 9%           | 20 |
|              | Se                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | V                                    | 0.418  |       | 0.413  | µg/L  |              |        | 1%           | 20 |
|              | Zn                                   | 26.69  |       | 25.69  | µg/L  |              |        | 4%           | 20 |
| B250480-MS2  | Matrix Spike, (2503007-03)           |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 5.552  | µg/L  | 99%          | 75-125 |              |    |
|              | Al                                   | 317.5  | 5612  | 5560   | µg/L  | 93%          | 75-125 |              |    |
|              | As                                   | 0.364  | 56.12 | 55.88  | µg/L  | 99%          | 75-125 |              |    |
|              | Ba                                   | 139.8  | 56.12 | 198.2  | µg/L  | 104%         | 75-125 |              |    |
|              | Cd                                   | 0.807  | 5.612 | 6.194  | µg/L  | 96%          | 75-125 |              |    |
|              | Co                                   | 33.39  | 56.12 | 86.94  | µg/L  | 95%          | 75-125 |              |    |
|              | Cr                                   | ND     | 56.12 | 55.09  | µg/L  | 98%          | 75-125 |              |    |
|              | Cu                                   | 1.920  | 56.12 | 56.41  | µg/L  | 97%          | 75-125 |              |    |
|              | Fe                                   | 3649   | 5612  | 9058   | µg/L  | 96%          | 75-125 |              |    |
|              | Mn                                   | 1649   | 56.12 | 1727   | µg/L  | NR           | 75-125 |              |    |
|              | Ni                                   | 38.87  | 56.12 | 91.88  | µg/L  | 94%          | 75-125 |              |    |
|              | Pb                                   | ND     | 5.612 | 5.485  | µg/L  | 98%          | 75-125 |              |    |
|              | Sb                                   | 0.075  | 5.612 | 5.515  | µg/L  | 97%          | 75-125 |              |    |
|              | Se                                   | ND     | 56.12 | 54.33  | µg/L  | 97%          | 75-125 |              |    |
|              | V                                    | 0.418  | 56.12 | 55.87  | µg/L  | 99%          | 75-125 |              |    |
|              | Zn                                   | 26.69  | 56.12 | 82.32  | µg/L  | 99%          | 75-125 |              |    |



## Accuracy & Precision Summary

Batch: B250480  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits |        | RPD & Limits |    |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------|--------------|----|
| B250480-MSD2 | Matrix Spike Duplicate, (2503007-03) |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 5.584  | µg/L  | 100%         | 75-125 | 0.6%         | 20 |
|              | Al                                   | 317.5  | 5612  | 5685   | µg/L  | 96%          | 75-125 | 2%           | 20 |
|              | As                                   | 0.364  | 56.12 | 57.53  | µg/L  | 102%         | 75-125 | 3%           | 20 |
|              | Ba                                   | 139.8  | 56.12 | 202.1  | µg/L  | 111%         | 75-125 | 2%           | 20 |
|              | Cd                                   | 0.807  | 5.612 | 6.220  | µg/L  | 96%          | 75-125 | 0.4%         | 20 |
|              | Co                                   | 33.39  | 56.12 | 89.64  | µg/L  | 100%         | 75-125 | 3%           | 20 |
|              | Cr                                   | ND     | 56.12 | 55.94  | µg/L  | 100%         | 75-125 | 2%           | 20 |
|              | Cu                                   | 1.920  | 56.12 | 58.09  | µg/L  | 100%         | 75-125 | 3%           | 20 |
|              | Fe                                   | 3649   | 5612  | 9377   | µg/L  | 102%         | 75-125 | 3%           | 20 |
|              | Mn                                   | 1649   | 56.12 | 1779   | µg/L  | NR           | 75-125 | N/C          | 20 |
|              | Ni                                   | 38.87  | 56.12 | 94.96  | µg/L  | 100%         | 75-125 | 3%           | 20 |
|              | Pb                                   | ND     | 5.612 | 5.609  | µg/L  | 100%         | 75-125 | 2%           | 20 |
|              | Sb                                   | 0.075  | 5.612 | 5.684  | µg/L  | 100%         | 75-125 | 3%           | 20 |
|              | Se                                   | ND     | 56.12 | 55.84  | µg/L  | 100%         | 75-125 | 3%           | 20 |
|              | V                                    | 0.418  | 56.12 | 57.10  | µg/L  | 101%         | 75-125 | 2%           | 20 |
|              | Zn                                   | 26.69  | 56.12 | 85.67  | µg/L  | 105%         | 75-125 | 4%           | 20 |
| B250480-DUP3 | Duplicate, (2503007-05)              |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Al                                   | 106.2  |       | 115.1  | µg/L  |              |        | 8%           | 20 |
|              | As                                   | 10.23  |       | 10.17  | µg/L  |              |        | 0.6%         | 20 |
|              | Ba                                   | 26.51  |       | 26.04  | µg/L  |              |        | 2%           | 20 |
|              | Cd                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Co                                   | 0.664  |       | 0.633  | µg/L  |              |        | 5%           | 20 |
|              | Cr                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Cu                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Fe                                   | 21010  |       | 20780  | µg/L  |              |        | 1%           | 20 |
|              | Mn                                   | 1885   |       | 1853   | µg/L  |              |        | 2%           | 20 |
|              | Ni                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Pb                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | Sb                                   | 0.078  |       | 0.076  | µg/L  |              |        | 3%           | 20 |
|              | Se                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |
|              | V                                    | 6.666  |       | 6.559  | µg/L  |              |        | 2%           | 20 |
|              | Zn                                   | ND     |       | ND     | µg/L  |              |        | N/C          | 20 |



## Accuracy & Precision Summary

Batch: B250480  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits |        | RPD & Limits |    |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------|--------------|----|
| B250480-MS3  | Matrix Spike, (2503007-05)           |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 5.554  | µg/L  | 99%          | 75-125 |              |    |
|              | Al                                   | 106.2  | 5612  | 5313   | µg/L  | 93%          | 75-125 |              |    |
|              | As                                   | 10.23  | 56.12 | 65.67  | µg/L  | 99%          | 75-125 |              |    |
|              | Ba                                   | 26.51  | 56.12 | 83.10  | µg/L  | 101%         | 75-125 |              |    |
|              | Cd                                   | ND     | 5.612 | 5.426  | µg/L  | 97%          | 75-125 |              |    |
|              | Co                                   | 0.664  | 56.12 | 55.78  | µg/L  | 98%          | 75-125 |              |    |
|              | Cr                                   | ND     | 56.12 | 56.44  | µg/L  | 101%         | 75-125 |              |    |
|              | Cu                                   | ND     | 56.12 | 57.19  | µg/L  | 102%         | 75-125 |              |    |
|              | Fe                                   | 21010  | 5612  | 26460  | µg/L  | 97%          | 75-125 |              |    |
|              | Mn                                   | 1885   | 56.12 | 1892   | µg/L  | NR           | 75-125 |              |    |
|              | Ni                                   | ND     | 56.12 | 54.13  | µg/L  | 96%          | 75-125 |              |    |
|              | Pb                                   | ND     | 5.612 | 5.693  | µg/L  | 101%         | 75-125 |              |    |
|              | Sb                                   | 0.078  | 5.612 | 5.645  | µg/L  | 99%          | 75-125 |              |    |
|              | Se                                   | ND     | 56.12 | 54.37  | µg/L  | 97%          | 75-125 |              |    |
|              | V                                    | 6.666  | 56.12 | 61.98  | µg/L  | 99%          | 75-125 |              |    |
|              | Zn                                   | ND     | 56.12 | 59.19  | µg/L  | 105%         | 75-125 |              |    |
| B250480-MSD3 | Matrix Spike Duplicate, (2503007-05) |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 5.499  | µg/L  | 98%          | 75-125 | 1%           | 20 |
|              | Al                                   | 106.2  | 5612  | 5338   | µg/L  | 93%          | 75-125 | 0.5%         | 20 |
|              | As                                   | 10.23  | 56.12 | 65.17  | µg/L  | 98%          | 75-125 | 0.8%         | 20 |
|              | Ba                                   | 26.51  | 56.12 | 83.69  | µg/L  | 102%         | 75-125 | 0.7%         | 20 |
|              | Cd                                   | ND     | 5.612 | 5.518  | µg/L  | 98%          | 75-125 | 2%           | 20 |
|              | Co                                   | 0.664  | 56.12 | 55.34  | µg/L  | 97%          | 75-125 | 0.8%         | 20 |
|              | Cr                                   | ND     | 56.12 | 55.89  | µg/L  | 100%         | 75-125 | 1%           | 20 |
|              | Cu                                   | ND     | 56.12 | 56.79  | µg/L  | 101%         | 75-125 | 0.7%         | 20 |
|              | Fe                                   | 21010  | 5612  | 26350  | µg/L  | 95%          | 75-125 | 0.4%         | 20 |
|              | Mn                                   | 1885   | 56.12 | 1911   | µg/L  | NR           | 75-125 | N/C          | 20 |
|              | Ni                                   | ND     | 56.12 | 54.28  | µg/L  | 97%          | 75-125 | 0.3%         | 20 |
|              | Pb                                   | ND     | 5.612 | 5.511  | µg/L  | 98%          | 75-125 | 3%           | 20 |
|              | Sb                                   | 0.078  | 5.612 | 5.569  | µg/L  | 98%          | 75-125 | 1%           | 20 |
|              | Se                                   | ND     | 56.12 | 53.82  | µg/L  | 96%          | 75-125 | 1%           | 20 |
|              | V                                    | 6.666  | 56.12 | 61.25  | µg/L  | 97%          | 75-125 | 1%           | 20 |
|              | Zn                                   | ND     | 56.12 | 61.08  | µg/L  | 109%         | 75-125 | 3%           | 20 |



## Accuracy & Precision Summary

Batch: B250482  
Lab Matrix: Water  
Method: EPA 1631 E

| Sample       | Analyte                                   | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|-------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250482-MS2  | Matrix Spike (2503017-02)<br>Hg           | 0.28   | 20.41 | 16.17  | ng/L  | 78% 71-125   |              |
| B250482-MSD2 | Matrix Spike Duplicate (2503017-02)<br>Hg | 0.28   | 20.41 | 15.23  | ng/L  | 73% 71-125   | 6% 24        |



## Accuracy & Precision Summary

Batch: B250486  
Lab Matrix: Water  
Method: EPA 1631 E

| Sample       | Analyte                                   | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|-------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250486-MS1  | Matrix Spike (2503007-03)<br>Hg           | 0.87   | 20.41 | 19.84  | ng/L  | 93% 71-125   |              |
| B250486-MSD1 | Matrix Spike Duplicate (2503007-03)<br>Hg | 0.87   | 20.41 | 19.69  | ng/L  | 92% 71-125   | 0.8% 24      |
| B250486-MS2  | Matrix Spike (2503007-15)<br>Hg           | 1.35   | 21.05 | 21.02  | ng/L  | 93% 71-125   |              |
| B250486-MSD2 | Matrix Spike Duplicate (2503007-15)<br>Hg | 1.35   | 21.05 | 20.23  | ng/L  | 90% 71-125   | 4% 24        |



## Method Blanks & Reporting Limits

**Batch:** B250472  
**Matrix:** Water  
**Method:** SOP BAL-4300  
**Analyte:** Cr(VI)

| Sample       | Result | Units |
|--------------|--------|-------|
| B250472-BLK1 | 0.00   | µg/L  |
| B250472-BLK2 | 0.001  | µg/L  |
| B250472-BLK3 | 0.00   | µg/L  |
| B250472-BLK4 | 0.002  | µg/L  |

**Average:** 0.001  
**Limit:** 0.010

**MDL:** 0.005  
**MRL:** 0.010



## Method Blanks & Reporting Limits

**Batch:** B250480  
**Matrix:** Water  
**Method:** EPA 1638 Mod  
**Analyte:** Ag

| Sample          | Result  | Units |            |
|-----------------|---------|-------|------------|
| B250480-BLK1    | -0.0006 | µg/L  |            |
| B250480-BLK2    | -0.002  | µg/L  |            |
| B250480-BLK3    | -0.002  | µg/L  |            |
| B250480-BLK4    | -0.0006 | µg/L  |            |
| Average: -0.001 |         |       | MDL: 0.005 |
| Limit: 0.015    |         |       | MRL: 0.015 |

**Analyte:** Al

| Sample          | Result | Units |           |
|-----------------|--------|-------|-----------|
| B250480-BLK1    | 0.300  | µg/L  |           |
| B250480-BLK2    | -0.654 | µg/L  |           |
| B250480-BLK3    | 0.436  | µg/L  |           |
| B250480-BLK4    | -0.123 | µg/L  |           |
| Average: -0.010 |        |       | MDL: 1.20 |
| Limit: 2.400    |        |       | MRL: 2.40 |

**Analyte:** As

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250480-BLK1   | 0.006  | µg/L  |            |
| B250480-BLK2   | 0.011  | µg/L  |            |
| B250480-BLK3   | 0.004  | µg/L  |            |
| B250480-BLK4   | 0.004  | µg/L  |            |
| Average: 0.006 |        |       | MDL: 0.022 |
| Limit: 0.072   |        |       | MRL: 0.072 |



## Method Blanks & Reporting Limits

### Analyte: Ba

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250480-BLK1   | 0.076  | µg/L  |            |
| B250480-BLK2   | 0.051  | µg/L  |            |
| B250480-BLK3   | 0.071  | µg/L  |            |
| B250480-BLK4   | 0.033  | µg/L  |            |
| Average: 0.058 |        |       | MDL: 0.035 |
| Limit: 0.070   |        |       | MRL: 0.070 |

### Analyte: Cd

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250480-BLK1   | 0.0003  | µg/L  |            |
| B250480-BLK2   | -0.0006 | µg/L  |            |
| B250480-BLK3   | -0.0003 | µg/L  |            |
| B250480-BLK4   | -0.0006 | µg/L  |            |
| Average: 0.000 |         |       | MDL: 0.006 |
| Limit: 0.018   |         |       | MRL: 0.018 |

### Analyte: Co

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250480-BLK1   | 0.0006  | µg/L  |            |
| B250480-BLK2   | 0.0003  | µg/L  |            |
| B250480-BLK3   | 0.0001  | µg/L  |            |
| B250480-BLK4   | -0.0001 | µg/L  |            |
| Average: 0.000 |         |       | MDL: 0.013 |
| Limit: 0.045   |         |       | MRL: 0.045 |

### Analyte: Cr

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250480-BLK1   | 0.0006 | µg/L  |            |
| B250480-BLK2   | -0.001 | µg/L  |            |
| B250480-BLK3   | -0.004 | µg/L  |            |
| B250480-BLK4   | 0.004  | µg/L  |            |
| Average: 0.000 |        |       | MDL: 0.170 |
| Limit: 0.600   |        |       | MRL: 0.600 |



## Method Blanks & Reporting Limits

### Analyte: Cu

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250480-BLK1   | 0.007  | µg/L  |            |
| B250480-BLK2   | 0.0005 | µg/L  |            |
| B250480-BLK3   | 0.005  | µg/L  |            |
| B250480-BLK4   | 0.039  | µg/L  |            |
| Average: 0.013 |        |       | MDL: 0.090 |
| Limit: 0.180   |        |       | MRL: 0.180 |

### Analyte: Fe

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250480-BLK1   | 0.265  | µg/L  |           |
| B250480-BLK2   | 0.146  | µg/L  |           |
| B250480-BLK3   | 0.175  | µg/L  |           |
| B250480-BLK4   | 0.070  | µg/L  |           |
| Average: 0.164 |        |       | MDL: 1.80 |
| Limit: 5.400   |        |       | MRL: 5.40 |

### Analyte: Mn

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250480-BLK1   | 0.010  | µg/L  |            |
| B250480-BLK2   | 0.006  | µg/L  |            |
| B250480-BLK3   | 0.011  | µg/L  |            |
| B250480-BLK4   | 0.008  | µg/L  |            |
| Average: 0.009 |        |       | MDL: 0.090 |
| Limit: 0.180   |        |       | MRL: 0.180 |

### Analyte: Ni

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250480-BLK1   | 0.005   | µg/L  |            |
| B250480-BLK2   | -0.0004 | µg/L  |            |
| B250480-BLK3   | 0.007   | µg/L  |            |
| B250480-BLK4   | 0.004   | µg/L  |            |
| Average: 0.004 |         |       | MDL: 0.120 |
| Limit: 0.360   |         |       | MRL: 0.360 |



## Method Blanks & Reporting Limits

### Analyte: Pb

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250480-BLK1   | 0.004  | µg/L  |            |
| B250480-BLK2   | 0.001  | µg/L  |            |
| B250480-BLK3   | 0.002  | µg/L  |            |
| B250480-BLK4   | 0.002  | µg/L  |            |
| Average: 0.002 |        |       | MDL: 0.009 |
| Limit: 0.018   |        |       | MRL: 0.018 |

### Analyte: Sb

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250480-BLK1   | 0.003  | µg/L  |            |
| B250480-BLK2   | 0.001  | µg/L  |            |
| B250480-BLK3   | 0.002  | µg/L  |            |
| B250480-BLK4   | 0.0008 | µg/L  |            |
| Average: 0.002 |        |       | MDL: 0.005 |
| Limit: 0.015   |        |       | MRL: 0.015 |

### Analyte: Se

| Sample          | Result  | Units |            |
|-----------------|---------|-------|------------|
| B250480-BLK1    | -0.0007 | µg/L  |            |
| B250480-BLK2    | 0.002   | µg/L  |            |
| B250480-BLK3    | -0.004  | µg/L  |            |
| B250480-BLK4    | -0.006  | µg/L  |            |
| Average: -0.002 |         |       | MDL: 0.024 |
| Limit: 0.050    |         |       | MRL: 0.050 |

### Analyte: V

| Sample          | Result | Units |            |
|-----------------|--------|-------|------------|
| B250480-BLK1    | -0.004 | µg/L  |            |
| B250480-BLK2    | -0.006 | µg/L  |            |
| B250480-BLK3    | -0.005 | µg/L  |            |
| B250480-BLK4    | -0.006 | µg/L  |            |
| Average: -0.005 |        |       | MDL: 0.013 |
| Limit: 0.045    |        |       | MRL: 0.045 |



## Method Blanks & Reporting Limits

**Analyte:** Zn

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250480-BLK1   | 0.174  | µg/L  |           |
| B250480-BLK2   | 0.094  | µg/L  |           |
| B250480-BLK3   | 0.817  | µg/L  |           |
| B250480-BLK4   | 0.130  | µg/L  |           |
| Average: 0.304 |        |       | MDL: 1.20 |
| Limit: 2.400   |        |       | MRL: 2.40 |



## Method Blanks & Reporting Limits

Batch: B250482  
Matrix: Water  
Method: EPA 1631 E  
Analyte: Hg

| Sample        | Result | Units |                          |           |  |
|---------------|--------|-------|--------------------------|-----------|--|
| B250482-BLK1  | 0.11   | ng/L  |                          |           |  |
| B250482-BLK2  | 0.17   | ng/L  |                          |           |  |
| B250482-BLK3  | 0.12   | ng/L  |                          |           |  |
| B250482-BLK4  | 0.12   | ng/L  |                          |           |  |
| Average: 0.13 |        |       | Standard Deviation: 0.03 | MDL: 0.13 |  |
| Limit: 0.50   |        |       | Limit: 0.13              | MRL: 0.40 |  |



## Method Blanks & Reporting Limits

**Batch:** B250486  
**Matrix:** Water  
**Method:** EPA 1631 E  
**Analyte:** Hg

| Sample               | Result | Units |                                 |                  |  |
|----------------------|--------|-------|---------------------------------|------------------|--|
| B250486-BLK1         | 0.19   | ng/L  |                                 |                  |  |
| B250486-BLK2         | 0.19   | ng/L  |                                 |                  |  |
| B250486-BLK3         | 0.16   | ng/L  |                                 |                  |  |
| B250486-BLK4         | 0.14   | ng/L  |                                 |                  |  |
| <b>Average:</b> 0.17 |        |       | <b>Standard Deviation:</b> 0.02 | <b>MDL:</b> 0.13 |  |
| <b>Limit:</b> 0.50   |        |       | <b>Limit:</b> 0.13              | <b>MRL:</b> 0.40 |  |



## Sample Containers

|                           |                   |                             |            |                     |              |                              |                    |
|---------------------------|-------------------|-----------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2503007-01 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/24/2025 |                    |
| <b>Sample:</b> MW4R       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-02 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/24/2025 |                    |
| <b>Sample:</b> MW4R       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-03 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/24/2025 |                    |
| <b>Sample:</b> MW6R       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-04 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/24/2025 |                    |
| <b>Sample:</b> MW6R       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |



## Sample Containers

Lab ID: 2503007-05

Sample: MW10

Report Matrix: Water

Sample Type: Sample

Collected: 02/24/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation  | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|---------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL) | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none          | n/a     | n/a | Cooler - 2503007 |

Lab ID: 2503007-06

Sample: MW10

Report Matrix: Water

Sample Type: Sample

Collected: 02/24/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation  | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|---------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL) | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none          | n/a     | n/a | Cooler - 2503007 |

Lab ID: 2503007-07

Sample: MW1

Report Matrix: Water

Sample Type: Sample

Collected: 02/25/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation  | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|---------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL) | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none          | n/a     | n/a | Cooler - 2503007 |

Lab ID: 2503007-08

Sample: MW1

Report Matrix: Water

Sample Type: Sample

Collected: 02/25/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation  | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|---------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL) | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none          | n/a     | n/a | Cooler - 2503007 |



## Sample Containers

|                           |                   |             |                             |                     |              |                              |                    |
|---------------------------|-------------------|-------------|-----------------------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2503007-09 |                   |             | <b>Report Matrix:</b> Water |                     |              | <b>Collected:</b> 02/25/2025 |                    |
| <b>Sample:</b> MW8R       |                   |             | <b>Sample Type:</b> Sample  |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b> | <b>Lot</b>                  | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL      | 24-0111                     | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL      | 23-0120                     | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-10 |                   |             | <b>Report Matrix:</b> Water |                     |              | <b>Collected:</b> 02/25/2025 |                    |
| <b>Sample:</b> MW8R       |                   |             | <b>Sample Type:</b> Sample  |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b> | <b>Lot</b>                  | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL      | 24-0111                     | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL      | 23-0120                     | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-11 |                   |             | <b>Report Matrix:</b> Water |                     |              | <b>Collected:</b> 02/25/2025 |                    |
| <b>Sample:</b> MW3R       |                   |             | <b>Sample Type:</b> Sample  |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b> | <b>Lot</b>                  | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL      | 24-0111                     | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL      | 23-0120                     | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-12 |                   |             | <b>Report Matrix:</b> Water |                     |              | <b>Collected:</b> 02/25/2025 |                    |
| <b>Sample:</b> MW3R       |                   |             | <b>Sample Type:</b> Sample  |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b> | <b>Lot</b>                  | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL      | 24-0111                     | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL      | 23-0120                     | none                | n/a          | n/a                          | Cooler - 2503007   |



## Sample Containers

|                           |                   |                                     |            |                                  |              |                              |                    |
|---------------------------|-------------------|-------------------------------------|------------|----------------------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2503007-13 |                   | <b>Report Matrix:</b> Water         |            |                                  |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> DUP02-0225 |                   | <b>Sample Type:</b> Field Duplicate |            |                                  |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b>              | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1% HNO3 (BAL)                    | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                             | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-14 |                   | <b>Report Matrix:</b> Water         |            |                                  |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> DUP02-0225 |                   | <b>Sample Type:</b> Field Duplicate |            |                                  |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b>              | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1% HNO3 (BAL)                    | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                             | n/a          | n/a                          | Cooler - 2503007   |
| C                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1.25 mL NH4OH/<br>(NH4)2SO4 (PP) | 2448021      | 9                            | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-15 |                   | <b>Report Matrix:</b> Water         |            |                                  |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> MW9        |                   | <b>Sample Type:</b> Sample          |            |                                  |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b>              | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1% HNO3 (BAL)                    | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                             | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-16 |                   | <b>Report Matrix:</b> Water         |            |                                  |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> MW9        |                   | <b>Sample Type:</b> Sample          |            |                                  |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                         | <b>Lot</b> | <b>Preservation</b>              | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                              | 24-0111    | 1% HNO3 (BAL)                    | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                              | 23-0120    | none                             | n/a          | n/a                          | Cooler - 2503007   |



## Sample Containers

|                           |                   |                             |            |                     |              |                              |                    |
|---------------------------|-------------------|-----------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2503007-17 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> MW11       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-18 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> MW11       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-19 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> MW2        |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |
| <b>Lab ID:</b> 2503007-20 |                   | <b>Report Matrix:</b> Water |            |                     |              | <b>Collected:</b> 02/26/2025 |                    |
| <b>Sample:</b> MW2        |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 02/28/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2434035      | <2                           | Cooler - 2503007   |
| B                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503007   |



## Sample Containers

Lab ID: 2503007-21

Sample: MW5R2

Report Matrix: Water

Sample Type: Sample

Collected: 02/26/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation  | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|---------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL) | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none          | n/a     | n/a | Cooler - 2503007 |

Lab ID: 2503007-22

Sample: MW5R2

Report Matrix: Water

Sample Type: Sample

Collected: 02/26/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation                     | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|----------------------------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL)                    | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none                             | n/a     | n/a | Cooler - 2503007 |
| C   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1.25 mL NH4OH/<br>(NH4)2SO4 (PP) | 2448021 | 9   | Cooler - 2503007 |

Lab ID: 2503007-23

Sample: MW7

Report Matrix: Water

Sample Type: Sample

Collected: 02/28/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation  | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|---------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL) | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none          | n/a     | n/a | Cooler - 2503007 |

Lab ID: 2503007-24

Sample: MW7

Report Matrix: Water

Sample Type: Sample

Collected: 02/28/2025

Received: 02/28/2025

| Des | Container         | Size   | Lot     | Preservation  | P-Lot   | pH  | Ship. Cont.      |
|-----|-------------------|--------|---------|---------------|---------|-----|------------------|
| A   | Bottle HDPE ICP-W | 125 mL | 24-0111 | 1% HNO3 (BAL) | 2434035 | <2  | Cooler - 2503007 |
| B   | Bottle FLPE Hg    | 125 mL | 23-0120 | none          | n/a     | n/a | Cooler - 2503007 |

**Project ID:** CRC-SE2501  
**PM:** Amy Goodall



BAL Report 2503007  
**Client PM:** Rusty Jones  
**Client Project:** MARALCO

## Shipping Containers

### Cooler - 2503007

**Received:** February 28, 2025 10:26  
**Tracking No:** N/A via Customer Drop-Off  
**Coolant Type:** Ice  
**Temperature:** 5.7 °C

**Description:** Cooler  
**Damaged in transit?** No  
**Returned to client?** No  
**Comments:** R-IR-6

**Custody seals present?** No  
**Custody seals intact?** No  
**COC present?** Yes



# Chain-of-Custody Form

Ship samples to:  
13751 Lake City Way NE, Suite 108  
Seattle, WA 98125

For BAL use only  
Received by: CRU Date: BAL Report 25030075  
Work Order ID: \_\_\_\_\_ Time: 12:54  
Project ID: \_\_\_\_\_

Client: CRETE Consulting PO Number: MARALCO Mailing Address: \_\_\_\_\_  
Contact: Rusty Jones Phone: 832.330.1359  
Client Project ID: MARALCO Email: \_\_\_\_\_ Email Receipt Confirmation? (Yes/No)  
Samples Collected By: Rusty Jones R. Jones BAL PM: Amy Goodall

| Requested TAT (business days)                     |            | Collection             |       | Client Sample Info |                      |                           | BAL Analyses Required                         |                    |                     |                                         |                                              |                                                    |            |                                                  | Comments        |                  |  |
|---------------------------------------------------|------------|------------------------|-------|--------------------|----------------------|---------------------------|-----------------------------------------------|--------------------|---------------------|-----------------------------------------|----------------------------------------------|----------------------------------------------------|------------|--------------------------------------------------|-----------------|------------------|--|
| Date                                              |            | Time                   |       | Matrix Type        | Number of Containers | Field Filtered? (Yes/No)  | Preservation Type HCl/HNO <sub>3</sub> /Other | Total Hg, EPA 1631 | Methyl Hg, EPA 1630 | ICP-MS Metals (specify) <u>SEE LIST</u> | As Species (specify) InOrg, III, V, MMA, DMA | Se Species (specify) Se(IV), Se(VI), SeCN, Unknown | Filtration | Other (specify) Pre-Filtered Hexavalent Chromium | Other (specify) | Specify Here     |  |
| <input checked="" type="checkbox"/> 20 (standard) |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| <input type="checkbox"/> 15*                      |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| <input type="checkbox"/> 10*                      |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| <input type="checkbox"/> 5*                       |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| <input type="checkbox"/> Other _____              |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| *Surcharges may apply to expedited TATs           |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| Sample ID                                         |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| 1                                                 | MW4R       | 2.24.2025              | 1140  | WATER              | 4                    | Y+N                       | NONE                                          |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 1265 $\mu$ S/cm  |  |
| 2                                                 | MW6R       |                        | 1250  |                    | 4                    |                           |                                               |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 2455 $\mu$ S/cm  |  |
| 3                                                 | MW10       |                        | 1419  |                    | 4                    |                           |                                               |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 749 $\mu$ S/cm   |  |
| 4                                                 | MW1        | 2.25.2025              | 1111  | WATER              | 4                    | Y+N                       | NONE                                          |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 239.1 $\mu$ S/cm |  |
| 5                                                 | MW8R       |                        | 1312  |                    | 4                    |                           |                                               |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 1229 $\mu$ S/cm  |  |
| 6                                                 | MW3R       |                        | 1412  |                    | 4                    |                           |                                               |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 1830 $\mu$ S/cm  |  |
| 7                                                 | DUP02-0225 | 2/26/2025              | 10002 | WATER              | (5) 605              | Y+N                       | Y, NONE                                       |                    |                     | X                                       |                                              |                                                    |            | X                                                |                 |                  |  |
| 8                                                 | MW9        |                        | 1749  |                    | 4                    |                           | NONE                                          |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 4428 $\mu$ S/cm  |  |
| 9                                                 | MW11       |                        | 1420  |                    | 4                    |                           |                                               |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 321.1 $\mu$ S/cm |  |
| 10                                                | MW2        |                        | 1516  |                    | 4                    |                           |                                               |                    |                     | X                                       |                                              |                                                    |            |                                                  |                 | 192.1 $\mu$ S/cm |  |
| Trip Blank                                        |            |                        |       |                    |                      |                           |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |
| Relinquished By: <u>R. Jones</u>                  |            | Date: <u>2/28/2025</u> |       | Time: <u>1254</u>  |                      | Relinquished By:          |                                               | Date:              |                     | Time:                                   |                                              | Received By:                                       |            | Date:                                            |                 | Time:            |  |
| Received By:                                      |            | Date:                  |       | Time:              |                      | Total Number of Packages: |                                               |                    |                     |                                         |                                              |                                                    |            |                                                  |                 |                  |  |



# Chain-of-Custody Form

Ship samples to:  
13751 Lake City Way NE, Suite 108  
Seattle, WA 98125

Received by: ERL For BAL use only  
Date: 2/28/2025 BAL Report 2503007  
Work Order ID: \_\_\_\_\_ Time: 12:54  
Project ID: \_\_\_\_\_

Client: CRETE Consulting PO Number: MARALCO Mailing Address: \_\_\_\_\_  
Contact: Rusty Jones Phone: 832.330.1359  
Client Project ID: MARALC Email: \_\_\_\_\_ Email Receipt Confirmation? (Yes/No)  
Samples Collected By: Rusty Jones R. Jones BAL PM: Amy Goodall

| Requested TAT<br>(business days)                  |       | Collection             |      | Client Sample Info |                      |                                 |                                                  | BAL Analyses Required |                     |                                                          |                                                  |                                                       |            |                                                             |                 | Comments                                                                                                                     |
|---------------------------------------------------|-------|------------------------|------|--------------------|----------------------|---------------------------------|--------------------------------------------------|-----------------------|---------------------|----------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------|------------|-------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|
|                                                   |       | Date                   | Time | Matrix Type        | Number of Containers | Field Filtered?<br>(Yes/No)     | Preservation Type<br>HCl/HNO <sub>3</sub> /Other | Total Hg, EPA 1631    | Methyl Hg, EPA 1630 | ICP-MS Metals <sup>SEE LIST</sup><br>(specify) TOTAL/DSS | As Species (specify)<br>In Org, III, V, MMA, DMA | Se Species (specify)<br>Se(IV), Se(VI), SeCN, Unknown | Filtration | Other (specify) FILTERED<br><del>Heavy Metal Chromium</del> | Other (specify) |                                                                                                                              |
| <input checked="" type="checkbox"/> 20 (standard) |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 | T/D Metals<br>*See project metals list.*<br>CRC-SE2501<br><br>Specify Here<br>1442 $\mu\text{S/cm}$<br>1816 $\mu\text{S/cm}$ |
| <input type="checkbox"/> 15*                      |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| <input type="checkbox"/> 10*                      |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| <input type="checkbox"/> 5*                       |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| <input type="checkbox"/> Other _____              |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| *Surcharges may apply to expedited TATs           |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| Sample ID                                         |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 1                                                 | MW5R2 | 2/26/2025              | 1904 | WATER              | 5                    | Y+N                             | Y, NONE                                          |                       |                     | X                                                        |                                                  |                                                       |            | X                                                           |                 |                                                                                                                              |
| 2                                                 | MW7   | 2/28/2025              | 1021 | WATER              | 4                    | Y+N                             | NONE                                             |                       |                     | X                                                        |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 3                                                 |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 4                                                 |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 5                                                 |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 6                                                 |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 7                                                 |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 8                                                 |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 9                                                 |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| 10                                                |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| Trip Blank                                        |       |                        |      |                    |                      |                                 |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |
| Relinquished By: <u>R. Jones</u>                  |       | Date: <u>2/28/2025</u> |      | Time: <u>1254</u>  |                      | Relinquished By: _____          |                                                  |                       |                     | Date: _____                                              |                                                  | Time: _____                                           |            |                                                             |                 |                                                                                                                              |
| Received By: _____                                |       | Date: _____            |      | Time: _____        |                      | Total Number of Packages: _____ |                                                  |                       |                     |                                                          |                                                  |                                                       |            |                                                             |                 |                                                                                                                              |



13751 Lake City Way NE, Ste 108, Seattle, WA 98125 • USA • T:206-632-6206 • [info@brooksapplied.com](mailto:info@brooksapplied.com)

March 24, 2025

Crete Consulting  
ATTN: Rusty Jones  
108 S. Washington Street, Suite 300  
Seattle, WA 98104  
832-330-1359  
[rusty.jones@creteconsulting.com](mailto:rusty.jones@creteconsulting.com)

RE: Project CRC-SE2501  
Client Project: Maralco

Dear Rusty Jones,

On March 18, 2024, Brooks Applied Labs (BAL) received six (6) sets of aqueous samples. The samples were logged-in for the analyses of for total recoverable and dissolved silver (Ag), aluminum (Al), arsenic (As), barium (Ba), cadmium (Cd), cobalt (Co), chromium (Cr), copper (Cu), iron (Fe), manganese (Mn), nickel (Ni), lead (Pb), antimony (Sb), selenium (Se), vanadium (V), zinc (Zn), and mercury (Hg) according to the chain-of-custody form. All samples were received and stored according to BAL SOPs and EPA methodology.

All dissolved samples were 0.45µm filtered prior to receipt at BAL.

*Total Recoverable and Dissolved Metals Quantitation by ICP-QQQ-MS*

All aqueous samples were digested on a hotblock via modified EPA Method 1638 with nitric and hydrochloric acids. Trace metals were analyzed using inductively coupled plasma triple quadrupole mass spectrometry (ICP-QQQ-MS). The ICP-QQQ-MS uses advanced interference removal techniques to ensure accuracy of the sample results. For more information, please visit the *Interference Reduction Technology* section on our website, [www.brooksapplied.com](http://www.brooksapplied.com).

All samples were digested in batch B250591 and originally analyzed in sequence S250266. Due to a high CPS RPD, the Al results for sample 2503262-03 were not reported from the original analysis. This sample was reanalyzed in sequence S250272. The reported Al result for sample 2503262-03 is from the reanalysis.

The Fe results for samples 2503262-01, 2503262-02, 2503262-07, 2503262-08, and the batch QC associated with sample 2503262-02 were above the calibration curve and could not be reported. These samples were reanalyzed in sequence S250272 at a greater dilution. The reported Fe results for these samples were from this reanalysis.

The Mn results for samples 2503262-01 through 2503262-08, and the batch QC associated with sample 2503262-02 were above the calibration curve and could not be reported. These samples were reanalyzed in sequence S250272 at a greater dilution. The reported Mn results for these samples were from this reanalysis.

In instances where the native sample result and/or the associated duplicate (DUP) result were below the MDL the RPD was not calculated (N/C).

In instances where a matrix spike/matrix spike duplicate (MS/MSD) set was spiked at a level less than the native sample, the recoveries are not considered valid indicators of data quality. However, these results are reported as a demonstration of precision. When the spiking levels were  $\leq 25\%$  of the native sample concentrations, the recoveries were not reported (NR). No sample results were qualified on the basis of the MS or MSD recoveries.

The matrix spike (MS) B250591-MS3 and matrix spike duplicate (MSD) B250591-MSD3 performed on sample 2503262-02 had recoveries for Cu, V, and Zn that were above the acceptance limit. In instances where a matrix spike/matrix spike duplicate (MS/MSD) set was spiked at a level less than the native sample, the recoveries are not considered valid indicators of data quality. However, these results are reported as a demonstration of precision.

The matrix spike duplicate (MSD) B250591-MSD3 performed on sample 2503262-02 had a recovery for Sb that was below the acceptance limit. The Sb result for sample 2503262-02 was qualified **N** for low bias.

The method blank (BLK) B250591-BLK4 had a Ba concentration that was above the acceptance limit. All samples except for sample 2503262-11 had Ba results that were greater than 10x the concentration of this BLK, and no further action was required. Sample 2503262-11 had a Ba result that was above the MRL, but less than 10x the concentration of this BLK. The Ba result for sample 2503262-11 was qualified **X** for potential high bias.

#### Total and Dissolved Mercury using MERX

Each aqueous fraction submitted for Hg analysis was prepared and analyzed in accordance with EPA Method 1631. Samples were oxidized with bromine monochloride (BrCl) and then analyzed with stannous chloride (SnCl<sub>2</sub>) reduction, dual gold amalgamation, and cold vapor atomic fluorescence spectroscopy (CVAFS) detection using a Brooks Rand Instrument's MERX-T CVAFS Mercury Automated-Analyzer.

Sample results reported for mercury were method blank corrected, while all other results were not method blank corrected, as described in the calculations section of the relevant BAL SOP(s). All results were evaluated using reporting limits adjusted to account for sample aliquot size. Please refer to the *Sample Results* page for sample-specific MDLs, MRLs, and other details.

All data was reported without qualification and all associated quality control sample results met the acceptance criteria.

BAL verifies that the reported results of all analyses for which the laboratory is accredited meet the requirements of the accrediting body, unless otherwise noted in the report narrative. For more information regarding accreditations please see the *Report Information* and *Batch Summary* pages. This report must be used in its entirety for interpretation of results.

Please feel free to contact us if you have any questions regarding this report.

Sincerely,

A handwritten signature in cursive script that reads "Amy Goodall". The ink is dark and the signature is fluid.

Amy Goodall  
Project Manager  
Brooks Applied Labs  
[amy@brooksapplied.com](mailto:amy@brooksapplied.com)



## Report Information

### General Disclaimers

Test results are based solely upon the sample submitted to Brooks Applied Labs in the condition it was received. This report shall not be reproduced or copied, except in full, without written approval of the laboratory. Brooks Applied Labs is not responsible for the consequences arising from the use of a partial report.

### Laboratory Accreditation

BAL maintains accreditation with various state and national agencies for select test methods. For a current list of BAL accreditations, please visit our website at <http://www.brooksapplied.com/resources/certificates-permits/>. The reported analyte/matrix/method combination shall be considered outside BAL's scopes of accreditation unless otherwise identified as ISO, TNI, or ISO,TNI in the tables. It is the responsibility of the client to verify whether a specific accreditation is required for the intended data use.

**ISO:** ISO/IEC 17025:2017 accredited test method. Issued by ANSI National Accreditation Board (ANAB), #ADE-1447.02

**TNI:** NELAP accredited test method. Issued by the State of Florida Department of Health, #E87982.

**ISO,TNI:** Test method is accredited under both the ISO/IEC 17025:2017 and NELAP accreditations referenced above.

### Field Quality Control Samples

Please be notified that certain EPA methods require the collection of field quality control samples of an appropriate type and frequency; failure to do so is considered a deviation from some methods and for compliance purposes should only be done with the approval of regulatory authorities. Please see the specific EPA methods for details regarding required field quality control samples.

### Common Abbreviations

|            |                                     |            |                                    |
|------------|-------------------------------------|------------|------------------------------------|
| <b>AR</b>  | as received                         | <b>MS</b>  | matrix spike                       |
| <b>BAL</b> | Brooks Applied Labs                 | <b>MSD</b> | matrix spike duplicate             |
| <b>BLK</b> | method blank                        | <b>ND</b>  | non-detect                         |
| <b>BS</b>  | blank spike                         | <b>NR</b>  | non-reportable                     |
| <b>CAL</b> | calibration standard                | <b>N/C</b> | not calculated                     |
| <b>CCB</b> | continuing calibration blank        | <b>PS</b>  | post preparation spike             |
| <b>CCV</b> | continuing calibration verification | <b>REC</b> | percent recovery                   |
| <b>COC</b> | chain of custody record             | <b>RPD</b> | relative percent difference        |
| <b>D</b>   | dissolved fraction                  | <b>SCV</b> | secondary calibration verification |
| <b>DUP</b> | duplicate                           | <b>SOP</b> | standard operating procedure       |
| <b>IBL</b> | instrument blank                    | <b>SRM</b> | reference material                 |
| <b>ICV</b> | initial calibration verification    | <b>T</b>   | total fraction                     |
| <b>MDL</b> | method detection limit              | <b>TR</b>  | total recoverable fraction         |
| <b>MRL</b> | method reporting limit              |            |                                    |

### Definition of Data Qualifiers

|            |                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>E</b>   | An estimated value due to the presence of interferences. A full explanation is presented in the narrative.                                                                            |
| <b>H</b>   | Holding time and/or preservation requirements not met. Please see narrative for explanation.                                                                                          |
| <b>J</b>   | Detected by the instrument, the result is > the MDL but ≤ the MRL. Result is reported and considered an estimate.                                                                     |
| <b>J-1</b> | Estimated value. A full explanation is presented in the narrative.                                                                                                                    |
| <b>M</b>   | Duplicate precision (RPD) was not within acceptance criteria. Please see narrative for explanation.                                                                                   |
| <b>N</b>   | Spike recovery was not within acceptance criteria. Please see narrative for explanation.                                                                                              |
| <b>R</b>   | Rejected, unusable value. A full explanation is presented in the narrative.                                                                                                           |
| <b>U</b>   | Result is ≤ the MDL or client requested reporting limit (CRRL). Result reported as the MDL or CRRL.                                                                                   |
| <b>X</b>   | Result is not BLK-corrected and is within 10x the absolute value of the highest detectable BLK in the batch. Result is estimated.                                                     |
| <b>Z</b>   | Holding time and/or preservation requirements not established for this method; however, BAL recommendations for holding time were not followed. Please see narrative for explanation. |



## Sample Information

| Sample       | Lab ID     | Report Matrix | Type   | Sampled    | Received   |
|--------------|------------|---------------|--------|------------|------------|
| DUP02-031725 | 2503262-01 | water         | Sample | 03/17/2025 | 03/18/2025 |
| DUP02-031725 | 2503262-02 | water         | Sample | 03/17/2025 | 03/18/2025 |
| DPT-25       | 2503262-03 | water         | Sample | 03/17/2025 | 03/18/2025 |
| DPT-25       | 2503262-04 | water         | Sample | 03/17/2025 | 03/18/2025 |
| DPT-26       | 2503262-05 | water         | Sample | 03/17/2025 | 03/18/2025 |
| DPT-26       | 2503262-06 | water         | Sample | 03/17/2025 | 03/18/2025 |
| DPT-27       | 2503262-07 | water         | Sample | 03/17/2025 | 03/18/2025 |
| DPT-27       | 2503262-08 | water         | Sample | 03/17/2025 | 03/18/2025 |
| SW-South     | 2503262-09 | water         | Sample | 03/17/2025 | 03/18/2025 |
| SW-South     | 2503262-10 | water         | Sample | 03/17/2025 | 03/18/2025 |
| SW-EAST      | 2503262-11 | water         | Sample | 03/17/2025 | 03/18/2025 |
| SW-EAST      | 2503262-12 | water         | Sample | 03/17/2025 | 03/18/2025 |



## Batch Summary

| Analyte | Lab Matrix | Method       | Accred. | Prepared | Analyzed | Batch   | Sequence |
|---------|------------|--------------|---------|----------|----------|---------|----------|
| Ag      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Al      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Al      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/21/25 | B250591 | S250272  |
| As      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Ba      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Cd      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Co      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Cr      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Cu      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Fe      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Fe      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/21/25 | B250591 | S250272  |
| Hg      | Water      | EPA 1631 E   | ISO,TNI | 03/19/25 | 03/20/25 | B250592 | S250268  |
| Mn      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/21/25 | B250591 | S250266  |
| Mn      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/21/25 | B250591 | S250272  |
| Ni      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Pb      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Sb      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Se      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| V       | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |
| Zn      | Water      | EPA 1638 Mod | ISO,TNI | 03/20/25 | 03/20/25 | B250591 | S250266  |



## Sample Results

| Sample              | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|---------------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>DUP02-031725</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-01          | Ag      | water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-01          | Al      | water         | D     | 43.8    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-01          | As      | water         | D     | 35.7    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-01          | Ba      | water         | D     | 73.3    |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-01          | Cd      | water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-01          | Co      | water         | D     | 11.5    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-01          | Cr      | water         | D     | 3.67    | J         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-01          | Cu      | water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-01          | Fe      | water         | D     | 136000  |           | 182   | 545   | µg/L | B250591 | S250272  |
| 2503262-01          | Hg      | water         | D     | ≤ 0.14  | U         | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-01          | Mn      | water         | D     | 5600    |           | 9.09  | 18.2  | µg/L | B250591 | S250272  |
| 2503262-01          | Ni      | water         | D     | 5.26    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-01          | Pb      | water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-01          | Sb      | water         | D     | 0.160   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-01          | Se      | water         | D     | 0.451   | J         | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-01          | V       | water         | D     | 13.4    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-01          | Zn      | water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| <b>DUP02-031725</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-02          | Ag      | water         | TR    | 0.280   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-02          | Al      | water         | TR    | 44700   |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-02          | As      | water         | TR    | 60.8    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-02          | Ba      | water         | TR    | 319     |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-02          | Cd      | water         | TR    | 0.585   |           | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-02          | Co      | water         | TR    | 34.1    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-02          | Cr      | water         | TR    | 65.2    |           | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-02          | Cu      | water         | TR    | 121     |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-02          | Fe      | water         | TR    | 166000  |           | 182   | 545   | µg/L | B250591 | S250272  |
| 2503262-02          | Hg      | water         | TR    | 112     |           | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-02          | Mn      | water         | TR    | 5940    |           | 9.09  | 18.2  | µg/L | B250591 | S250272  |
| 2503262-02          | Ni      | water         | TR    | 51.7    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-02          | Pb      | water         | TR    | 31.3    |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-02          | Sb      | water         | TR    | 0.517   | N         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-02          | Se      | water         | TR    | 0.922   |           | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-02          | V       | water         | TR    | 163     |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-02          | Zn      | water         | TR    | 124     |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |



## Sample Results

| Sample        | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|---------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>DPT-25</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-03    | Ag      | water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-03    | Al      | water         | D     | 15.3    | J         | 12.1  | 24.2  | µg/L | B250591 | S250272  |
| 2503262-03    | As      | water         | D     | 10.5    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-03    | Ba      | water         | D     | 41.5    |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-03    | Cd      | water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-03    | Co      | water         | D     | 2.56    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-03    | Cr      | water         | D     | 4.38    | J         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-03    | Cu      | water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-03    | Fe      | water         | D     | 81100   |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-03    | Hg      | water         | D     | ≤ 0.14  | U         | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-03    | Mn      | water         | D     | 2020    |           | 0.909 | 1.82  | µg/L | B250591 | S250272  |
| 2503262-03    | Ni      | water         | D     | 2.26    | J         | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-03    | Pb      | water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-03    | Sb      | water         | D     | 0.172   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-03    | Se      | water         | D     | 0.701   |           | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-03    | V       | water         | D     | 14.7    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-03    | Zn      | water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| <b>DPT-25</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-04    | Ag      | water         | TR    | 0.074   | J         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-04    | Al      | water         | TR    | 20600   |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-04    | As      | water         | TR    | 17.8    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-04    | Ba      | water         | TR    | 150     |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-04    | Cd      | water         | TR    | 0.123   | J         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-04    | Co      | water         | TR    | 12.5    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-04    | Cr      | water         | TR    | 24.3    |           | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-04    | Cu      | water         | TR    | 44.3    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-04    | Fe      | water         | TR    | 106000  |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-04    | Hg      | water         | TR    | 64.3    |           | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-04    | Mn      | water         | TR    | 2660    |           | 9.09  | 18.2  | µg/L | B250591 | S250272  |
| 2503262-04    | Ni      | water         | TR    | 20.5    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-04    | Pb      | water         | TR    | 6.00    |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-04    | Sb      | water         | TR    | 0.269   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-04    | Se      | water         | TR    | 1.19    |           | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-04    | V       | water         | TR    | 62.5    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-04    | Zn      | water         | TR    | 47.9    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |



## Sample Results

| Sample        | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|---------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>DPT-26</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-05    | Ag      | water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-05    | Al      | water         | D     | 55.8    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-05    | As      | water         | D     | 24.4    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-05    | Ba      | water         | D     | 79.0    |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-05    | Cd      | water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-05    | Co      | water         | D     | 6.90    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-05    | Cr      | water         | D     | 3.63    | J         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-05    | Cu      | water         | D     | 1.10    | J         | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-05    | Fe      | water         | D     | 95700   |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-05    | Hg      | water         | D     | ≤ 0.14  | U         | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-05    | Mn      | water         | D     | 6030    |           | 9.09  | 18.2  | µg/L | B250591 | S250272  |
| 2503262-05    | Ni      | water         | D     | 7.46    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-05    | Pb      | water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-05    | Sb      | water         | D     | 0.431   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-05    | Se      | water         | D     | 0.566   |           | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-05    | V       | water         | D     | 13.1    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-05    | Zn      | water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| <b>DPT-26</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-06    | Ag      | water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-06    | Al      | water         | TR    | 5890    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-06    | As      | water         | TR    | 29.9    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-06    | Ba      | water         | TR    | 114     |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-06    | Cd      | water         | TR    | 0.092   | J         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-06    | Co      | water         | TR    | 10.1    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-06    | Cr      | water         | TR    | 9.74    |           | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-06    | Cu      | water         | TR    | 17.5    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-06    | Fe      | water         | TR    | 109000  |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-06    | Hg      | water         | TR    | 24.2    |           | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-06    | Mn      | water         | TR    | 6110    |           | 9.09  | 18.2  | µg/L | B250591 | S250272  |
| 2503262-06    | Ni      | water         | TR    | 13.3    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-06    | Pb      | water         | TR    | 4.23    |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-06    | Sb      | water         | TR    | 0.540   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-06    | Se      | water         | TR    | 0.678   |           | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-06    | V       | water         | TR    | 28.2    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-06    | Zn      | water         | TR    | 19.2    | J         | 12.1  | 24.2  | µg/L | B250591 | S250266  |



## Sample Results

| Sample        | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|---------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>DPT-27</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-07    | Ag      | water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-07    | Al      | water         | D     | 48.9    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-07    | As      | water         | D     | 36.3    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-07    | Ba      | water         | D     | 77.7    |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-07    | Cd      | water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-07    | Co      | water         | D     | 11.2    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-07    | Cr      | water         | D     | 4.06    | J         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-07    | Cu      | water         | D     | ≤ 0.909 | U         | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-07    | Fe      | water         | D     | 134000  |           | 182   | 545   | µg/L | B250591 | S250272  |
| 2503262-07    | Hg      | water         | D     | ≤ 0.14  | U         | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-07    | Mn      | water         | D     | 5600    |           | 9.09  | 18.2  | µg/L | B250591 | S250272  |
| 2503262-07    | Ni      | water         | D     | 5.49    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-07    | Pb      | water         | D     | ≤ 0.091 | U         | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-07    | Sb      | water         | D     | 0.197   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-07    | Se      | water         | D     | 0.355   | J         | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-07    | V       | water         | D     | 13.3    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-07    | Zn      | water         | D     | ≤ 12.1  | U         | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| <b>DPT-27</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-08    | Ag      | water         | TR    | 0.255   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-08    | Al      | water         | TR    | 44100   |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-08    | As      | water         | TR    | 56.5    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-08    | Ba      | water         | TR    | 336     |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-08    | Cd      | water         | TR    | 0.582   |           | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-08    | Co      | water         | TR    | 32.8    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-08    | Cr      | water         | TR    | 61.8    |           | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-08    | Cu      | water         | TR    | 122     |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-08    | Fe      | water         | TR    | 173000  |           | 182   | 545   | µg/L | B250591 | S250272  |
| 2503262-08    | Hg      | water         | TR    | 113     |           | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-08    | Mn      | water         | TR    | 6180    |           | 9.09  | 18.2  | µg/L | B250591 | S250272  |
| 2503262-08    | Ni      | water         | TR    | 47.4    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-08    | Pb      | water         | TR    | 31.7    |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-08    | Sb      | water         | TR    | 0.551   |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-08    | Se      | water         | TR    | 0.894   |           | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-08    | V       | water         | TR    | 166     |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-08    | Zn      | water         | TR    | 126     |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |



## Sample Results

| Sample          | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|-----------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>SW-South</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-09      | Ag      | water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-09      | Al      | water         | D     | 372     |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-09      | As      | water         | D     | 2.58    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-09      | Ba      | water         | D     | 21.7    |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-09      | Cd      | water         | D     | ≤ 0.061 | U         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-09      | Co      | water         | D     | 1.79    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-09      | Cr      | water         | D     | 2.20    | J         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-09      | Cu      | water         | D     | 27.0    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-09      | Fe      | water         | D     | 933     |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-09      | Hg      | water         | D     | 20.7    |           | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-09      | Mn      | water         | D     | 200     |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-09      | Ni      | water         | D     | 5.57    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-09      | Pb      | water         | D     | 0.488   |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-09      | Sb      | water         | D     | 1.12    |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-09      | Se      | water         | D     | 0.454   | J         | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-09      | V       | water         | D     | 6.16    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-09      | Zn      | water         | D     | 22.7    | J         | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| <b>SW-South</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-10      | Ag      | water         | TR    | 0.087   | J         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-10      | Al      | water         | TR    | 1720    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-10      | As      | water         | TR    | 4.46    |           | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-10      | Ba      | water         | TR    | 33.0    |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-10      | Cd      | water         | TR    | 0.129   | J         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-10      | Co      | water         | TR    | 2.60    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-10      | Cr      | water         | TR    | 4.73    | J         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-10      | Cu      | water         | TR    | 44.9    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-10      | Fe      | water         | TR    | 3730    |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-10      | Hg      | water         | TR    | 58.2    |           | 0.14  | 0.42  | ng/L | B250592 | S250268  |
| 2503262-10      | Mn      | water         | TR    | 242     |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-10      | Ni      | water         | TR    | 7.38    |           | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-10      | Pb      | water         | TR    | 2.33    |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-10      | Sb      | water         | TR    | 1.27    |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-10      | Se      | water         | TR    | 0.537   |           | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-10      | V       | water         | TR    | 16.7    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-10      | Zn      | water         | TR    | 36.5    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |



## Sample Results

| Sample         | Analyte | Report Matrix | Basis | Result  | Qualifier | MDL   | MRL   | Unit | Batch   | Sequence |
|----------------|---------|---------------|-------|---------|-----------|-------|-------|------|---------|----------|
| <b>SW-EAST</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-11     | Ag      | water         | D     | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-11     | Al      | water         | D     | 97.5    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-11     | As      | water         | D     | 0.453   | J         | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-11     | Ba      | water         | D     | 10.3    | X         | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-11     | Cd      | water         | D     | 0.143   | J         | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-11     | Co      | water         | D     | 0.292   | J         | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-11     | Cr      | water         | D     | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-11     | Cu      | water         | D     | 4.62    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-11     | Fe      | water         | D     | 86.0    |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-11     | Hg      | water         | D     | 4.55    |           | 0.13  | 0.41  | ng/L | B250592 | S250268  |
| 2503262-11     | Mn      | water         | D     | 18.2    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-11     | Ni      | water         | D     | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-11     | Pb      | water         | D     | 0.251   |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-11     | Sb      | water         | D     | 1.36    |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-11     | Se      | water         | D     | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-11     | V       | water         | D     | 0.828   |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-11     | Zn      | water         | D     | 55.8    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| <b>SW-EAST</b> |         |               |       |         |           |       |       |      |         |          |
| 2503262-12     | Ag      | water         | TR    | ≤ 0.051 | U         | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-12     | Al      | water         | TR    | 368     |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |
| 2503262-12     | As      | water         | TR    | 0.541   | J         | 0.222 | 0.727 | µg/L | B250591 | S250266  |
| 2503262-12     | Ba      | water         | TR    | 13.6    |           | 0.354 | 0.707 | µg/L | B250591 | S250266  |
| 2503262-12     | Cd      | water         | TR    | 0.202   |           | 0.061 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-12     | Co      | water         | TR    | 0.265   | J         | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-12     | Cr      | water         | TR    | ≤ 1.72  | U         | 1.72  | 6.06  | µg/L | B250591 | S250266  |
| 2503262-12     | Cu      | water         | TR    | 7.32    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-12     | Fe      | water         | TR    | 370     |           | 18.2  | 54.5  | µg/L | B250591 | S250266  |
| 2503262-12     | Hg      | water         | TR    | 5.72    |           | 0.13  | 0.41  | ng/L | B250592 | S250268  |
| 2503262-12     | Mn      | water         | TR    | 25.3    |           | 0.909 | 1.82  | µg/L | B250591 | S250266  |
| 2503262-12     | Ni      | water         | TR    | ≤ 1.21  | U         | 1.21  | 3.64  | µg/L | B250591 | S250266  |
| 2503262-12     | Pb      | water         | TR    | 0.812   |           | 0.091 | 0.182 | µg/L | B250591 | S250266  |
| 2503262-12     | Sb      | water         | TR    | 1.60    |           | 0.051 | 0.152 | µg/L | B250591 | S250266  |
| 2503262-12     | Se      | water         | TR    | ≤ 0.242 | U         | 0.242 | 0.505 | µg/L | B250591 | S250266  |
| 2503262-12     | V       | water         | TR    | 1.59    |           | 0.131 | 0.455 | µg/L | B250591 | S250266  |
| 2503262-12     | Zn      | water         | TR    | 68.5    |           | 12.1  | 24.2  | µg/L | B250591 | S250266  |



## Accuracy & Precision Summary

Batch: B250591  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample      | Analyte                | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|-------------|------------------------|--------|-------|--------|-------|--------------|--------------|
| B250591-BS1 | Blank Spike, (2512022) |        |       |        |       |              |              |
|             | Ag                     |        | 5.556 | 6.153  | µg/L  | 111% 75-125  |              |
|             | Al                     |        | 5556  | 5665   | µg/L  | 102% 75-125  |              |
|             | As                     |        | 55.56 | 61.66  | µg/L  | 111% 75-125  |              |
|             | Ba                     |        | 55.56 | 62.63  | µg/L  | 113% 75-125  |              |
|             | Cd                     |        | 5.556 | 6.180  | µg/L  | 111% 75-125  |              |
|             | Co                     |        | 55.56 | 60.30  | µg/L  | 109% 75-125  |              |
|             | Cr                     |        | 55.56 | 59.39  | µg/L  | 107% 75-125  |              |
|             | Cu                     |        | 55.56 | 59.81  | µg/L  | 108% 75-125  |              |
|             | Fe                     |        | 5556  | 6153   | µg/L  | 111% 75-125  |              |
|             | Mn                     |        | 55.56 | 61.42  | µg/L  | 111% 75-125  |              |
|             | Ni                     |        | 55.56 | 58.77  | µg/L  | 106% 75-125  |              |
|             | Pb                     |        | 5.556 | 6.171  | µg/L  | 111% 75-125  |              |
|             | Sb                     |        | 5.556 | 6.279  | µg/L  | 113% 75-125  |              |
|             | Se                     |        | 55.56 | 59.43  | µg/L  | 107% 75-125  |              |
|             | V                      |        | 55.56 | 56.39  | µg/L  | 101% 75-125  |              |
|             | Zn                     |        | 55.56 | 59.83  | µg/L  | 108% 75-125  |              |
| B250591-BS2 | Blank Spike, (2512022) |        |       |        |       |              |              |
|             | Ag                     |        | 5.556 | 6.242  | µg/L  | 112% 75-125  |              |
|             | Al                     |        | 5556  | 5812   | µg/L  | 105% 75-125  |              |
|             | As                     |        | 55.56 | 62.69  | µg/L  | 113% 75-125  |              |
|             | Ba                     |        | 55.56 | 63.86  | µg/L  | 115% 75-125  |              |
|             | Cd                     |        | 5.556 | 6.114  | µg/L  | 110% 75-125  |              |
|             | Co                     |        | 55.56 | 62.38  | µg/L  | 112% 75-125  |              |
|             | Cr                     |        | 55.56 | 61.16  | µg/L  | 110% 75-125  |              |
|             | Cu                     |        | 55.56 | 60.83  | µg/L  | 109% 75-125  |              |
|             | Fe                     |        | 5556  | 6337   | µg/L  | 114% 75-125  |              |
|             | Mn                     |        | 55.56 | 62.84  | µg/L  | 113% 75-125  |              |
|             | Ni                     |        | 55.56 | 60.86  | µg/L  | 110% 75-125  |              |
|             | Pb                     |        | 5.556 | 6.129  | µg/L  | 110% 75-125  |              |
|             | Sb                     |        | 5.556 | 6.272  | µg/L  | 113% 75-125  |              |
|             | Se                     |        | 55.56 | 60.81  | µg/L  | 109% 75-125  |              |
|             | V                      |        | 55.56 | 57.13  | µg/L  | 103% 75-125  |              |
|             | Zn                     |        | 55.56 | 60.96  | µg/L  | 110% 75-125  |              |



## Accuracy & Precision Summary

Batch: B250591  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250591-BS3  | Blank Spike, (2512022)                   |        |       |        |       |              |              |
|              | Ag                                       |        | 5.556 | 6.127  | µg/L  | 110% 75-125  |              |
|              | Al                                       |        | 5556  | 5625   | µg/L  | 101% 75-125  |              |
|              | As                                       |        | 55.56 | 60.85  | µg/L  | 110% 75-125  |              |
|              | Ba                                       |        | 55.56 | 62.61  | µg/L  | 113% 75-125  |              |
|              | Cd                                       |        | 5.556 | 6.074  | µg/L  | 109% 75-125  |              |
|              | Co                                       |        | 55.56 | 60.99  | µg/L  | 110% 75-125  |              |
|              | Cr                                       |        | 55.56 | 59.13  | µg/L  | 106% 75-125  |              |
|              | Cu                                       |        | 55.56 | 59.89  | µg/L  | 108% 75-125  |              |
|              | Fe                                       |        | 5556  | 6169   | µg/L  | 111% 75-125  |              |
|              | Mn                                       |        | 55.56 | 61.17  | µg/L  | 110% 75-125  |              |
|              | Ni                                       |        | 55.56 | 59.54  | µg/L  | 107% 75-125  |              |
|              | Pb                                       |        | 5.556 | 6.040  | µg/L  | 109% 75-125  |              |
|              | Sb                                       |        | 5.556 | 6.111  | µg/L  | 110% 75-125  |              |
|              | Se                                       |        | 55.56 | 60.23  | µg/L  | 108% 75-125  |              |
|              | V                                        |        | 55.56 | 56.70  | µg/L  | 102% 75-125  |              |
|              | Zn                                       |        | 55.56 | 59.73  | µg/L  | 108% 75-125  |              |
| B250591-SRM1 | Reference Material (2440037, NIST 1643f) |        |       |        |       |              |              |
|              | Ba                                       |        | 518.2 | 552.0  | µg/L  | 107% 75-125  |              |
|              | Sb                                       |        | 55.45 | 57.71  | µg/L  | 104% 75-125  |              |
| B250591-SRM2 | Reference Material (2440037, NIST 1643f) |        |       |        |       |              |              |
|              | Ba                                       |        | 518.2 | 550.5  | µg/L  | 106% 75-125  |              |
|              | Sb                                       |        | 55.45 | 57.22  | µg/L  | 103% 75-125  |              |
| B250591-SRM3 | Reference Material (2440037, NIST 1643f) |        |       |        |       |              |              |
|              | Ba                                       |        | 518.2 | 586.7  | µg/L  | 113% 75-125  |              |
|              | Sb                                       |        | 55.45 | 61.61  | µg/L  | 111% 75-125  |              |



## Accuracy & Precision Summary

Batch: B250591  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike  | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|--------|--------|-------|--------------|--------------|
| B250591-SRM4 | Reference Material (2440037, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 1.120  | µg/L  | 115% 75-125  |              |
|              | Al                                       |        | 133.8  | 146.3  | µg/L  | 109% 75-125  |              |
|              | As                                       |        | 57.42  | 62.63  | µg/L  | 109% 75-125  |              |
|              | Cd                                       |        | 5.890  | 6.247  | µg/L  | 106% 75-125  |              |
|              | Co                                       |        | 25.30  | 26.81  | µg/L  | 106% 75-125  |              |
|              | Cr                                       |        | 18.50  | 19.65  | µg/L  | 106% 75-125  |              |
|              | Cu                                       |        | 21.66  | 24.65  | µg/L  | 114% 75-125  |              |
|              | Fe                                       |        | 93.44  | 95.92  | µg/L  | 103% 75-125  |              |
|              | Mn                                       |        | 37.14  | 42.21  | µg/L  | 114% 75-125  |              |
|              | Ni                                       |        | 59.80  | 61.05  | µg/L  | 102% 75-125  |              |
|              | Pb                                       |        | 18.49  | 19.77  | µg/L  | 107% 75-125  |              |
|              | Se                                       |        | 11.70  | 12.39  | µg/L  | 106% 75-125  |              |
|              | V                                        |        | 36.07  | 40.02  | µg/L  | 111% 75-125  |              |
|              | Zn                                       |        | 74.40  | 87.61  | µg/L  | 118% 75-125  |              |
| B250591-SRM5 | Reference Material (2440037, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 1.078  | µg/L  | 111% 75-125  |              |
|              | Al                                       |        | 133.8  | 145.0  | µg/L  | 108% 75-125  |              |
|              | As                                       |        | 57.42  | 62.09  | µg/L  | 108% 75-125  |              |
|              | Cd                                       |        | 5.890  | 6.303  | µg/L  | 107% 75-125  |              |
|              | Co                                       |        | 25.30  | 26.70  | µg/L  | 106% 75-125  |              |
|              | Cr                                       |        | 18.50  | 19.52  | µg/L  | 106% 75-125  |              |
|              | Cu                                       |        | 21.66  | 23.97  | µg/L  | 111% 75-125  |              |
|              | Fe                                       |        | 93.44  | 93.79  | µg/L  | 100% 75-125  |              |
|              | Mn                                       |        | 37.14  | 41.36  | µg/L  | 111% 75-125  |              |
|              | Ni                                       |        | 59.80  | 60.95  | µg/L  | 102% 75-125  |              |
|              | Pb                                       |        | 18.49  | 19.78  | µg/L  | 107% 75-125  |              |
|              | Se                                       |        | 11.70  | 12.39  | µg/L  | 106% 75-125  |              |
|              | V                                        |        | 36.07  | 38.53  | µg/L  | 107% 75-125  |              |
|              | Zn                                       |        | 74.40  | 85.05  | µg/L  | 114% 75-125  |              |



## Accuracy & Precision Summary

Batch: B250591  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                                  | Native | Spike  | Result | Units | REC & Limits | RPD & Limits |
|--------------|------------------------------------------|--------|--------|--------|-------|--------------|--------------|
| B250591-SRM6 | Reference Material (2440037, NIST 1643f) |        |        |        |       |              |              |
|              | Ag                                       |        | 0.9703 | 1.141  | µg/L  | 118% 75-125  |              |
|              | Al                                       |        | 133.8  | 148.3  | µg/L  | 111% 75-125  |              |
|              | As                                       |        | 57.42  | 65.00  | µg/L  | 113% 75-125  |              |
|              | Cd                                       |        | 5.890  | 6.460  | µg/L  | 110% 75-125  |              |
|              | Co                                       |        | 25.30  | 28.57  | µg/L  | 113% 75-125  |              |
|              | Cr                                       |        | 18.50  | 20.88  | µg/L  | 113% 75-125  |              |
|              | Cu                                       |        | 21.66  | 24.86  | µg/L  | 115% 75-125  |              |
|              | Fe                                       |        | 93.44  | 99.06  | µg/L  | 106% 75-125  |              |
|              | Mn                                       |        | 37.14  | 42.93  | µg/L  | 116% 75-125  |              |
|              | Ni                                       |        | 59.80  | 64.85  | µg/L  | 108% 75-125  |              |
|              | Pb                                       |        | 18.49  | 20.32  | µg/L  | 110% 75-125  |              |
|              | Se                                       |        | 11.70  | 12.73  | µg/L  | 109% 75-125  |              |
|              | V                                        |        | 36.07  | 40.00  | µg/L  | 111% 75-125  |              |
|              | Zn                                       |        | 74.40  | 88.23  | µg/L  | 119% 75-125  |              |
| B250591-DUP6 | Duplicate, (2503251-05)                  |        |        |        |       |              |              |
|              | Ag                                       | ND     |        | ND     | µg/L  |              | N/C 20       |
|              | Al                                       | 5.942  |        | 6.125  | µg/L  |              | 3% 20        |
|              | As                                       | 0.406  |        | 0.446  | µg/L  |              | 9% 20        |
|              | Ba                                       | 12.48  |        | 12.91  | µg/L  |              | 3% 20        |
|              | Cd                                       | 0.013  |        | 0.011  | µg/L  |              | 13% 20       |
|              | Co                                       | 0.383  |        | 0.398  | µg/L  |              | 4% 20        |
|              | Cr                                       | ND     |        | 0.173  | µg/L  |              | N/C 20       |
|              | Cu                                       | 3.201  |        | 3.395  | µg/L  |              | 6% 20        |
|              | Fe                                       | 49.58  |        | 51.48  | µg/L  |              | 4% 20        |
|              | Mn                                       | 48.66  |        | 51.50  | µg/L  |              | 6% 20        |
|              | Ni                                       | 2.462  |        | 2.536  | µg/L  |              | 3% 20        |
|              | Pb                                       | 0.085  |        | 0.087  | µg/L  |              | 3% 20        |
|              | Sb                                       | 2.185  |        | 2.331  | µg/L  |              | 6% 20        |
|              | Se                                       | 0.101  |        | 0.111  | µg/L  |              | 9% 20        |
|              | V                                        | 0.046  |        | 0.046  | µg/L  |              | 0.9% 20      |
|              | Zn                                       | 22.30  |        | 23.49  | µg/L  |              | 5% 20        |



## Accuracy & Precision Summary

Batch: B250591  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits |        | RPD & Limits |    |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------|--------------|----|
| B250591-MS6  | Matrix Spike, (2503251-05)           |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 6.203  | µg/L  | 111%         | 75-125 |              |    |
|              | Al                                   | 5.942  | 5612  | 6084   | µg/L  | 108%         | 75-125 |              |    |
|              | As                                   | 0.406  | 56.12 | 61.77  | µg/L  | 109%         | 75-125 |              |    |
|              | Ba                                   | 12.48  | 56.12 | 77.32  | µg/L  | 116%         | 75-125 |              |    |
|              | Cd                                   | 0.013  | 5.612 | 6.143  | µg/L  | 109%         | 75-125 |              |    |
|              | Co                                   | 0.383  | 56.12 | 58.97  | µg/L  | 104%         | 75-125 |              |    |
|              | Cr                                   | ND     | 56.12 | 58.80  | µg/L  | 105%         | 75-125 |              |    |
|              | Cu                                   | 3.201  | 56.12 | 64.94  | µg/L  | 110%         | 75-125 |              |    |
|              | Fe                                   | 49.58  | 5612  | 6281   | µg/L  | 111%         | 75-125 |              |    |
|              | Mn                                   | 48.66  | 56.12 | 113.8  | µg/L  | 116%         | 75-125 |              |    |
|              | Ni                                   | 2.462  | 56.12 | 59.37  | µg/L  | 101%         | 75-125 |              |    |
|              | Pb                                   | 0.085  | 5.612 | 6.144  | µg/L  | 108%         | 75-125 |              |    |
|              | Sb                                   | 2.185  | 5.612 | 8.722  | µg/L  | 116%         | 75-125 |              |    |
|              | Se                                   | 0.101  | 56.12 | 61.39  | µg/L  | 109%         | 75-125 |              |    |
|              | V                                    | 0.046  | 56.12 | 61.57  | µg/L  | 110%         | 75-125 |              |    |
|              | Zn                                   | 22.30  | 56.12 | 84.16  | µg/L  | 110%         | 75-125 |              |    |
| B250591-MSD6 | Matrix Spike Duplicate, (2503251-05) |        |       |        |       |              |        |              |    |
|              | Ag                                   | ND     | 5.612 | 6.169  | µg/L  | 110%         | 75-125 | 0.6%         | 20 |
|              | Al                                   | 5.942  | 5612  | 6002   | µg/L  | 107%         | 75-125 | 1%           | 20 |
|              | As                                   | 0.406  | 56.12 | 66.27  | µg/L  | 117%         | 75-125 | 7%           | 20 |
|              | Ba                                   | 12.48  | 56.12 | 75.64  | µg/L  | 113%         | 75-125 | 2%           | 20 |
|              | Cd                                   | 0.013  | 5.612 | 6.363  | µg/L  | 113%         | 75-125 | 4%           | 20 |
|              | Co                                   | 0.383  | 56.12 | 62.29  | µg/L  | 110%         | 75-125 | 5%           | 20 |
|              | Cr                                   | ND     | 56.12 | 63.85  | µg/L  | 114%         | 75-125 | 8%           | 20 |
|              | Cu                                   | 3.201  | 56.12 | 64.23  | µg/L  | 109%         | 75-125 | 1%           | 20 |
|              | Fe                                   | 49.58  | 5612  | 6593   | µg/L  | 117%         | 75-125 | 5%           | 20 |
|              | Mn                                   | 48.66  | 56.12 | 111.5  | µg/L  | 112%         | 75-125 | 2%           | 20 |
|              | Ni                                   | 2.462  | 56.12 | 61.87  | µg/L  | 106%         | 75-125 | 4%           | 20 |
|              | Pb                                   | 0.085  | 5.612 | 6.322  | µg/L  | 111%         | 75-125 | 3%           | 20 |
|              | Sb                                   | 2.185  | 5.612 | 8.872  | µg/L  | 119%         | 75-125 | 2%           | 20 |
|              | Se                                   | 0.101  | 56.12 | 62.25  | µg/L  | 111%         | 75-125 | 1%           | 20 |
|              | V                                    | 0.046  | 56.12 | 60.97  | µg/L  | 109%         | 75-125 | 1%           | 20 |
|              | Zn                                   | 22.30  | 56.12 | 82.63  | µg/L  | 108%         | 75-125 | 2%           | 20 |



## Accuracy & Precision Summary

Batch: B250591  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                    | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|----------------------------|--------|-------|--------|-------|--------------|--------------|
| B250591-DUP3 | Duplicate, (2503262-02)    |        |       |        |       |              |              |
|              | Ag                         | 0.280  |       | 0.265  | µg/L  |              | 6% 20        |
|              | Al                         | 44670  |       | 45660  | µg/L  |              | 2% 20        |
|              | As                         | 60.78  |       | 57.27  | µg/L  |              | 6% 20        |
|              | Ba                         | 319.3  |       | 329.3  | µg/L  |              | 3% 20        |
|              | Cd                         | 0.585  |       | 0.519  | µg/L  |              | 12% 20       |
|              | Co                         | 34.10  |       | 32.79  | µg/L  |              | 4% 20        |
|              | Cr                         | 65.24  |       | 63.04  | µg/L  |              | 3% 20        |
|              | Cu                         | 120.8  |       | 123.5  | µg/L  |              | 2% 20        |
|              | Ni                         | 51.68  |       | 48.32  | µg/L  |              | 7% 20        |
|              | Pb                         | 31.34  |       | 30.57  | µg/L  |              | 2% 20        |
|              | Sb                         | 0.517  |       | 0.511  | µg/L  |              | 1% 20        |
|              | Se                         | 0.922  |       | 0.938  | µg/L  |              | 2% 20        |
|              | V                          | 163.0  |       | 168.6  | µg/L  |              | 3% 20        |
|              | Zn                         | 123.5  |       | 127.6  | µg/L  |              | 3% 20        |
| B250591-DUP7 | Duplicate, (2503262-02)    |        |       |        |       |              |              |
|              | Fe                         | 166200 |       | 183000 | µg/L  |              | 10% 20       |
|              | Mn                         | 5941   |       | 6560   | µg/L  |              | 10% 20       |
| B250591-MS3  | Matrix Spike, (2503262-02) |        |       |        |       |              |              |
|              | Ag                         | 0.280  | 5.612 | 6.796  | µg/L  | 116% 75-125  |              |
|              | Al                         | 44670  | 5612  | 59550  | µg/L  | NR 75-125    |              |
|              | As                         | 60.78  | 56.12 | 117.7  | µg/L  | 101% 75-125  |              |
|              | Ba                         | 319.3  | 56.12 | 416.6  | µg/L  | NR 75-125    |              |
|              | Cd                         | 0.585  | 5.612 | 6.720  | µg/L  | 109% 75-125  |              |
|              | Co                         | 34.10  | 56.12 | 97.41  | µg/L  | 113% 75-125  |              |
|              | Cr                         | 65.24  | 56.12 | 129.1  | µg/L  | 114% 75-125  |              |
|              | Cu                         | 120.8  | 56.12 | 190.2  | µg/L  | 124% 75-125  |              |
|              | Ni                         | 51.68  | 56.12 | 115.5  | µg/L  | 114% 75-125  |              |
|              | Pb                         | 31.34  | 5.612 | 37.50  | µg/L  | NR 75-125    |              |
|              | Sb                         | 0.517  | 5.612 | 4.806  | µg/L  | 76% 75-125   |              |
|              | Se                         | 0.922  | 56.12 | 60.59  | µg/L  | 106% 75-125  |              |
|              | V                          | 163.0  | 56.12 | 238.9  | µg/L  | 135% 75-125  |              |
|              | Zn                         | 123.5  | 56.12 | 198.0  | µg/L  | 133% 75-125  |              |



## Accuracy & Precision Summary

Batch: B250591  
Lab Matrix: Water  
Method: EPA 1638 Mod

| Sample       | Analyte                              | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|--------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250591-MS7  | Matrix Spike, (2503262-02)           |        |       |        |       |              |              |
|              | Fe                                   | 166200 | 5612  | 190200 | µg/L  | NR 75-125    |              |
|              | Mn                                   | 5941   | 56.12 | 6626   | µg/L  | NR 75-125    |              |
| B250591-MSD3 | Matrix Spike Duplicate, (2503262-02) |        |       |        |       |              |              |
|              | Ag                                   | 0.280  | 5.612 | 7.082  | µg/L  | 121% 75-125  | 4% 20        |
|              | Al                                   | 44670  | 5612  | 62410  | µg/L  | NR 75-125    | N/C 20       |
|              | As                                   | 60.78  | 56.12 | 122.2  | µg/L  | 109% 75-125  | 4% 20        |
|              | Ba                                   | 319.3  | 56.12 | 433.3  | µg/L  | NR 75-125    | N/C 20       |
|              | Cd                                   | 0.585  | 5.612 | 7.003  | µg/L  | 114% 75-125  | 4% 20        |
|              | Co                                   | 34.10  | 56.12 | 98.99  | µg/L  | 116% 75-125  | 2% 20        |
|              | Cr                                   | 65.24  | 56.12 | 134.2  | µg/L  | 123% 75-125  | 4% 20        |
|              | Cu                                   | 120.8  | 56.12 | 197.2  | µg/L  | 136% 75-125  | 4% 20        |
|              | Ni                                   | 51.68  | 56.12 | 117.7  | µg/L  | 118% 75-125  | 2% 20        |
|              | Pb                                   | 31.34  | 5.612 | 39.13  | µg/L  | NR 75-125    | N/C 20       |
|              | Sb                                   | 0.517  | 5.612 | 4.455  | µg/L  | 70% 75-125   | 8% 20        |
|              | Se                                   | 0.922  | 56.12 | 61.87  | µg/L  | 109% 75-125  | 2% 20        |
|              | V                                    | 163.0  | 56.12 | 251.5  | µg/L  | 158% 75-125  | 5% 20        |
|              | Zn                                   | 123.5  | 56.12 | 213.2  | µg/L  | 160% 75-125  | 7% 20        |
| B250591-MSD7 | Matrix Spike Duplicate, (2503262-02) |        |       |        |       |              |              |
|              | Fe                                   | 166200 | 5612  | 190100 | µg/L  | NR 75-125    | N/C 20       |
|              | Mn                                   | 5941   | 56.12 | 6786   | µg/L  | NR 75-125    | N/C 20       |



## Accuracy & Precision Summary

Batch: B250592  
Lab Matrix: Water  
Method: EPA 1631 E

| Sample       | Analyte                                   | Native | Spike | Result | Units | REC & Limits | RPD & Limits |
|--------------|-------------------------------------------|--------|-------|--------|-------|--------------|--------------|
| B250592-MS1  | Matrix Spike (2503244-01)<br>Hg           | 0.39   | 20.41 | 20.32  | ng/L  | 98% 71-125   |              |
| B250592-MSD1 | Matrix Spike Duplicate (2503244-01)<br>Hg | 0.39   | 20.41 | 20.25  | ng/L  | 97% 71-125   | 0.4% 24      |
| B250592-MS2  | Matrix Spike (2503262-11)<br>Hg           | 4.55   | 20.41 | 23.51  | ng/L  | 93% 71-125   |              |
| B250592-MSD2 | Matrix Spike Duplicate (2503262-11)<br>Hg | 4.55   | 20.41 | 23.45  | ng/L  | 93% 71-125   | 0.3% 24      |



## Method Blanks & Reporting Limits

Batch: B250591  
Matrix: Water  
Method: EPA 1638 Mod  
Analyte: Ag

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250591-BLK1   | 0.0007  | µg/L  |            |
| B250591-BLK2   | -0.0002 | µg/L  |            |
| B250591-BLK3   | 0.0005  | µg/L  |            |
| B250591-BLK4   | 0.001   | µg/L  |            |
| Average: 0.001 |         |       | MDL: 0.005 |
| Limit: 0.015   |         |       | MRL: 0.015 |

Analyte: Al

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250591-BLK1   | 0.249  | µg/L  |           |
| B250591-BLK2   | 0.429  | µg/L  |           |
| B250591-BLK3   | 0.202  | µg/L  |           |
| B250591-BLK4   | 0.530  | µg/L  |           |
| Average: 0.353 |        |       | MDL: 1.20 |
| Limit: 2.400   |        |       | MRL: 2.40 |

Analyte: As

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.006  | µg/L  |            |
| B250591-BLK2   | 0.009  | µg/L  |            |
| B250591-BLK3   | 0.007  | µg/L  |            |
| B250591-BLK4   | 0.010  | µg/L  |            |
| Average: 0.008 |        |       | MDL: 0.022 |
| Limit: 0.072   |        |       | MRL: 0.072 |



## Method Blanks & Reporting Limits

### Analyte: Ba

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.051  | µg/L  |            |
| B250591-BLK2   | 0.049  | µg/L  |            |
| B250591-BLK3   | 0.036  | µg/L  |            |
| B250591-BLK4   | 1.05   | µg/L  |            |
| Average: 0.298 |        |       | MDL: 0.035 |
| Limit: 0.070   |        |       | MRL: 0.070 |

### Analyte: Cd

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250591-BLK1   | -0.0001 | µg/L  |            |
| B250591-BLK2   | -0.0001 | µg/L  |            |
| B250591-BLK3   | -0.0003 | µg/L  |            |
| B250591-BLK4   | 0.0004  | µg/L  |            |
| Average: 0.000 |         |       | MDL: 0.006 |
| Limit: 0.018   |         |       | MRL: 0.018 |

### Analyte: Co

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250591-BLK1   | 0.0007  | µg/L  |            |
| B250591-BLK2   | 0.0008  | µg/L  |            |
| B250591-BLK3   | 0.00009 | µg/L  |            |
| B250591-BLK4   | 0.001   | µg/L  |            |
| Average: 0.001 |         |       | MDL: 0.013 |
| Limit: 0.045   |         |       | MRL: 0.045 |

### Analyte: Cr

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.004  | µg/L  |            |
| B250591-BLK2   | 0.010  | µg/L  |            |
| B250591-BLK3   | 0.006  | µg/L  |            |
| B250591-BLK4   | 0.015  | µg/L  |            |
| Average: 0.009 |        |       | MDL: 0.170 |
| Limit: 0.600   |        |       | MRL: 0.600 |



## Method Blanks & Reporting Limits

### Analyte: Cu

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250591-BLK1   | 0.004   | µg/L  |            |
| B250591-BLK2   | -0.0007 | µg/L  |            |
| B250591-BLK3   | -0.0003 | µg/L  |            |
| B250591-BLK4   | 0.009   | µg/L  |            |
| Average: 0.003 |         |       | MDL: 0.090 |
| Limit: 0.180   |         |       | MRL: 0.180 |

### Analyte: Fe

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250591-BLK1   | 0.275  | µg/L  |           |
| B250591-BLK2   | 0.295  | µg/L  |           |
| B250591-BLK3   | 0.245  | µg/L  |           |
| B250591-BLK4   | 0.392  | µg/L  |           |
| Average: 0.302 |        |       | MDL: 1.80 |
| Limit: 5.400   |        |       | MRL: 5.40 |

### Analyte: Mn

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.022  | µg/L  |            |
| B250591-BLK2   | 0.009  | µg/L  |            |
| B250591-BLK3   | 0.007  | µg/L  |            |
| B250591-BLK4   | 0.011  | µg/L  |            |
| Average: 0.012 |        |       | MDL: 0.090 |
| Limit: 0.180   |        |       | MRL: 0.180 |

### Analyte: Ni

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.004  | µg/L  |            |
| B250591-BLK2   | 0.015  | µg/L  |            |
| B250591-BLK3   | 0.008  | µg/L  |            |
| B250591-BLK4   | 0.060  | µg/L  |            |
| Average: 0.022 |        |       | MDL: 0.120 |
| Limit: 0.360   |        |       | MRL: 0.360 |



## Method Blanks & Reporting Limits

### Analyte: Pb

| Sample         | Result  | Units |            |
|----------------|---------|-------|------------|
| B250591-BLK1   | 0.0004  | µg/L  |            |
| B250591-BLK2   | 0.0008  | µg/L  |            |
| B250591-BLK3   | 0.00001 | µg/L  |            |
| B250591-BLK4   | 0.001   | µg/L  |            |
| Average: 0.001 |         |       | MDL: 0.009 |
| Limit: 0.018   |         |       | MRL: 0.018 |

### Analyte: Sb

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.001  | µg/L  |            |
| B250591-BLK2   | 0.001  | µg/L  |            |
| B250591-BLK3   | 0.001  | µg/L  |            |
| B250591-BLK4   | 0.005  | µg/L  |            |
| Average: 0.002 |        |       | MDL: 0.005 |
| Limit: 0.015   |        |       | MRL: 0.015 |

### Analyte: Se

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.005  | µg/L  |            |
| B250591-BLK2   | 0.003  | µg/L  |            |
| B250591-BLK3   | 0.005  | µg/L  |            |
| B250591-BLK4   | 0.003  | µg/L  |            |
| Average: 0.004 |        |       | MDL: 0.024 |
| Limit: 0.050   |        |       | MRL: 0.050 |

### Analyte: V

| Sample         | Result | Units |            |
|----------------|--------|-------|------------|
| B250591-BLK1   | 0.0007 | µg/L  |            |
| B250591-BLK2   | 0.0006 | µg/L  |            |
| B250591-BLK3   | 0.0003 | µg/L  |            |
| B250591-BLK4   | 0.001  | µg/L  |            |
| Average: 0.001 |        |       | MDL: 0.013 |
| Limit: 0.045   |        |       | MRL: 0.045 |



## Method Blanks & Reporting Limits

**Analyte:** Zn

| Sample         | Result | Units |           |
|----------------|--------|-------|-----------|
| B250591-BLK1   | 0.054  | µg/L  |           |
| B250591-BLK2   | 0.077  | µg/L  |           |
| B250591-BLK3   | 0.023  | µg/L  |           |
| B250591-BLK4   | 0.129  | µg/L  |           |
| Average: 0.071 |        |       | MDL: 1.20 |
| Limit: 2.400   |        |       | MRL: 2.40 |



## Method Blanks & Reporting Limits

Batch: B250592  
Matrix: Water  
Method: EPA 1631 E  
Analyte: Hg

| Sample        | Result | Units |                          |           |  |
|---------------|--------|-------|--------------------------|-----------|--|
| B250592-BLK1  | 0.49   | ng/L  |                          |           |  |
| B250592-BLK2  | 0.49   | ng/L  |                          |           |  |
| B250592-BLK3  | 0.37   | ng/L  |                          |           |  |
| B250592-BLK4  | 0.43   | ng/L  |                          |           |  |
| Average: 0.45 |        |       | Standard Deviation: 0.06 | MDL: 0.13 |  |
| Limit: 0.50   |        |       | Limit: 0.13              | MRL: 0.40 |  |



## Sample Containers

|                             |                   |                             |            |                     |              |                              |                    |
|-----------------------------|-------------------|-----------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2503262-01   |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DUP02-031725 |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                  | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                           | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                           | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |
| <b>Lab ID:</b> 2503262-02   |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DUP02-031725 |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                  | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                           | Bottle FLPE Hg    | 125 mL                      | 23-0112    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                           | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |
| <b>Lab ID:</b> 2503262-03   |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DPT-25       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                  | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                           | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                           | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |
| <b>Lab ID:</b> 2503262-04   |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DPT-25       |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                  | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                           | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                           | Bottle HDPE ICP-W | 125 mL                      | 22T-0033   | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |



## Sample Containers

|                           |                   |                             |            |                     |              |                              |                    |
|---------------------------|-------------------|-----------------------------|------------|---------------------|--------------|------------------------------|--------------------|
| <b>Lab ID:</b> 2503262-05 |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DPT-26     |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |
| <b>Lab ID:</b> 2503262-06 |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DPT-26     |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle FLPE Hg    | 125 mL                      | 23-0039    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                         | Bottle HDPE ICP-W | 125 mL                      | 24-0111    | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |
| <b>Lab ID:</b> 2503262-07 |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DPT-27     |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle FLPE Hg    | 125 mL                      | 23-0120    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                         | Bottle HDPE ICP-W | 125 mL                      | 24-0049    | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |
| <b>Lab ID:</b> 2503262-08 |                   | <b>Report Matrix:</b> water |            |                     |              | <b>Collected:</b> 03/17/2025 |                    |
| <b>Sample:</b> DPT-27     |                   | <b>Sample Type:</b> Sample  |            |                     |              | <b>Received:</b> 03/18/2025  |                    |
| <b>Des</b>                | <b>Container</b>  | <b>Size</b>                 | <b>Lot</b> | <b>Preservation</b> | <b>P-Lot</b> | <b>pH</b>                    | <b>Ship. Cont.</b> |
| A                         | Bottle FLPE Hg    | 125 mL                      | 22-0026    | none                | n/a          | n/a                          | Cooler - 2503262   |
| B                         | Bottle HDPE ICP-W | 125 mL                      | 22T-0033   | 1% HNO3 (BAL)       | 2444015      | <2                           | Cooler - 2503262   |



## Sample Containers

|                    |                   |                      |         |               |         |                       |                  |
|--------------------|-------------------|----------------------|---------|---------------|---------|-----------------------|------------------|
| Lab ID: 2503262-09 |                   | Report Matrix: water |         |               |         | Collected: 03/17/2025 |                  |
| Sample: SW-South   |                   | Sample Type: Sample  |         |               |         | Received: 03/18/2025  |                  |
| Des                | Container         | Size                 | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle FLPE Hg    | 125 mL               | 23-0112 | none          | n/a     | n/a                   | Cooler - 2503262 |
| B                  | Bottle HDPE ICP-W | 125 mL               | 24-0111 | 1% HNO3 (BAL) | 2444015 | <2                    | Cooler - 2503262 |
| Lab ID: 2503262-10 |                   | Report Matrix: water |         |               |         | Collected: 03/17/2025 |                  |
| Sample: SW-South   |                   | Sample Type: Sample  |         |               |         | Received: 03/18/2025  |                  |
| Des                | Container         | Size                 | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle FLPE Hg    | 125 mL               | 23-0039 | none          | n/a     | n/a                   | Cooler - 2503262 |
| B                  | Bottle HDPE ICP-W | 125 mL               | 24-0111 | 1% HNO3 (BAL) | 2444015 | <2                    | Cooler - 2503262 |
| Lab ID: 2503262-11 |                   | Report Matrix: water |         |               |         | Collected: 03/17/2025 |                  |
| Sample: SW-EAST    |                   | Sample Type: Sample  |         |               |         | Received: 03/18/2025  |                  |
| Des                | Container         | Size                 | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle FLPE Hg    | 125 mL               | 23-0112 | none          | n/a     | n/a                   | Cooler - 2503262 |
| B                  | Bottle HDPE ICP-W | 125 mL               | 24-0111 | 1% HNO3 (BAL) | 2444015 | <2                    | Cooler - 2503262 |
| Lab ID: 2503262-12 |                   | Report Matrix: water |         |               |         | Collected: 03/17/2025 |                  |
| Sample: SW-EAST    |                   | Sample Type: Sample  |         |               |         | Received: 03/18/2025  |                  |
| Des                | Container         | Size                 | Lot     | Preservation  | P-Lot   | pH                    | Ship. Cont.      |
| A                  | Bottle FLPE Hg    | 125 mL               | 23-0120 | none          | n/a     | n/a                   | Cooler - 2503262 |
| B                  | Bottle HDPE ICP-W | 125 mL               | 24-0049 | 1% HNO3 (BAL) | 2444015 | <2                    | Cooler - 2503262 |

**Project ID:** CRC-SE2501  
**PM:** Amy Goodall



BAL Report 2503262  
**Client PM:** Rusty Jones  
**Client Project:** CRC-SE2501

## Shipping Containers

### Cooler - 2503262

**Received:** March 18, 2025 12:55  
**Tracking No:** N/A via Customer Drop-Off  
**Coolant Type:** None  
**Temperature:** 1.9 °C

**Description:** Cooler  
**Damaged in transit?** No  
**Returned to client?** No  
**Comments:** R-IR-6

**Custody seals present?** No  
**Custody seals intact?** No  
**COC present?** Yes



# Chain-of-Custody Form

Ship samples to:  
13751 Lake City Way NE, Suite 108  
Seattle, WA 98125

Received by: PJ For BAL use only BAL Report # 503262  
Date: 3/17/25  
Work Order ID: \_\_\_\_\_ Time: 1255  
Project ID: \_\_\_\_\_

Client: CRETE CONSULTING PO Number: MARALCO Mailing Address: \_\_\_\_\_  
Contact: Rusty Jones Phone: 832.330.1359  
Client Project ID: Maralco SRT Email: rusty.jones@creteconsulting.com Email Receipt Confirmation? (Yes/No)  
Samples Collected By: Rusty Jones R. Jones BAL PM: Amy Goodall

| Requested TAT<br>(business days)                                 |              | Collection           |      | Client Sample Info |                      |                             |                                                  | BAL Analyses Required                     |                     |                                              |                                                 |                                                       |            |                 | Comments        |  |                                                                                           |             |
|------------------------------------------------------------------|--------------|----------------------|------|--------------------|----------------------|-----------------------------|--------------------------------------------------|-------------------------------------------|---------------------|----------------------------------------------|-------------------------------------------------|-------------------------------------------------------|------------|-----------------|-----------------|--|-------------------------------------------------------------------------------------------|-------------|
|                                                                  |              | Date                 | Time | Matrix Type        | Number of Containers | Field Filtered?<br>(Yes/No) | Preservation Type<br>HCl/HNO <sub>3</sub> /Other | Total Hg, EPA 1631<br>Total and Dissolved | Methyl Hg, EPA 1630 | ICP-MS Metals<br>(specify) Total & Dissolved | As Species (specify)<br>InOrg, III, V, MMA, DMA | Se Species (specify)<br>Se(IV), Se(VI), SeCN, Unknown | Filtration | Other (specify) | Other (specify) |  |                                                                                           |             |
| <input type="checkbox"/> 20 (standard)                           |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  | See project metals list<br>(Methods 1631B and 1631)<br><br>Conductivities<br>Specify Here |             |
| <input type="checkbox"/> 15*                                     |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| <input type="checkbox"/> 10*                                     |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| <input type="checkbox"/> 5*                                      |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| <input checked="" type="checkbox"/> Other <u>Results by 3/24</u> |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| *Surcharges may apply to expedited TATs                          |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| Sample ID                                                        |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| 1                                                                | DUP02-031725 | 3/17/2025            | 0002 | WATER              | 4                    | Y+N                         | NONE                                             | X                                         |                     | X                                            |                                                 |                                                       |            |                 |                 |  |                                                                                           | <1000 uS/cm |
| 2                                                                | DPT-25       |                      | 0920 |                    | 4                    |                             |                                                  | X                                         |                     | X                                            |                                                 |                                                       |            |                 |                 |  |                                                                                           | 878 uS/cm   |
| 3                                                                | DPT-26       |                      | 1043 |                    | 4                    |                             |                                                  | X                                         |                     | X                                            |                                                 |                                                       |            |                 |                 |  |                                                                                           | 914         |
| 4                                                                | DPT-27       |                      | 1208 |                    | 4                    |                             |                                                  | X                                         |                     | X                                            |                                                 |                                                       |            |                 |                 |  | 888                                                                                       |             |
| 5                                                                | SW-SOUTH     |                      | 1350 |                    | 4                    |                             |                                                  | X                                         |                     | X                                            |                                                 |                                                       |            |                 |                 |  | 500 uS/cm                                                                                 |             |
| 6                                                                | SW-EAST      | ✓                    | 1430 | ✓                  | 4                    | ✓                           | ✓                                                | X                                         |                     | X                                            |                                                 |                                                       |            |                 |                 |  | 65.9 uS/cm                                                                                |             |
| 7                                                                |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| 8                                                                |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| 9                                                                |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| 10                                                               |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| Trip Blank                                                       |              |                      |      |                    |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |
| Relinquished By: <u>R. Jones</u>                                 |              | Date: <u>3/18/25</u> |      | Time: <u>1255</u>  |                      | Relinquished By:            |                                                  | Date:                                     |                     | Time:                                        |                                                 | Total Number of Packages:                             |            |                 |                 |  |                                                                                           |             |
| Received By:                                                     |              | Date:                |      | Time:              |                      |                             |                                                  |                                           |                     |                                              |                                                 |                                                       |            |                 |                 |  |                                                                                           |             |

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List Hazardous Contaminants: \_\_\_\_\_

[samples@brooksupplied.com](mailto:samples@brooksupplied.com) | [brooksupplied.com](http://brooksupplied.com)