# New Mexico Department of Transportation
# DISTRICT 3

# FY 2025 MS4 Annual Report

# DRAFT

## Reporting Period: July 1, 2024 – June 30, 2025


Prepared by:

**BOHANNAN HUSTON, INC.**

**7500 JEFFERSON STREET NE**

**ALBUQUERQUE, NM 87109**

# Annual Report Format

**National Pollutant Discharge Elimination System Stormwater Program**

**MS4 Annual Report Format**

Check box if you are submitting an individual Annual Report with one or more cooperative program elements. ☒

Check box if you are submitting an individual Annual Report with individual program elements only. ☐

Check box if this is a new name, address, etc. ☐

## 1. MS4(s) Information

New Mexico Department of Transportation - District 3

Name of MS4

| Tim | Trujillo | Drainage Engineer |
|---|---|---|
| Name of Contact Person (First) | (Last) | (Title) |

| 505-373-4987 | TimothyR.Trujillo@dot.nm.gov |
|---|---|
| Telephone (including area code) | E-mail |

P.O. Box 91750

Mailing Address

| Albuquerque | NM | 87109 |
|---|---|---|
| City | State | ZIP code |

What size population does your MS4(s) serve? 741,318 NPDES number NMR04A010

What is the reporting period for this report? (mm/dd/yyyy) From 07/01/2024 to 06/30/2025

## 2. Water Quality Priorities

A. Does your MS4(s) discharge to waters listed as impaired on a state 303(d) list? ☒ Yes ☐ No

B. If yes, identify each impaired water, the impairment, whether a TMDL has been approved by EPA for each, and whether the TMDL assigns a wasteload allocation to your MS4(s). Use a new line for each impairment, and attach additional pages as necessary.

| Impaired Water | Impairment | Approved TMDL | | TMDL assigns WLA to MS4 | |
|---|---|---|---|---|---|
| Rio Grande (Isleta -Tijeras) | E. coli | ☒ Yes | ☐ No | ☒ Yes | ☐ No |
| Rio Grande (Isleta -Tijeras) | DO, PCBs & Hg-Fish Consump | ☐ Yes | ☒ No | ☐ Yes | ☐ No |
| Rio Grande (Tijeras - Alameda) | DO, Temp., PCBs & Hg-Fish C | ☐ Yes | ☒ No | ☐ Yes | ☐ No |
| Rio Grande (Tijeras - Alameda) | E. coli | ☒ Yes | ☐ No | ☒ Yes | ☐ No |

**2. B. Continued**

| Impaired Water | Impairment | Approved TMDL | | TMDL assigns WLA to MS4 | |
|---|---|---|---|---|---|
| Tijeras Arroyo NM-9000.A_001 | Nutrients | ☒ Yes | ☐ No | ☒ Yes | ☐ No |
| Rio Grande (Alameda - US550) | PCBs & Hg-Fish Consumption | ☐ Yes | ☒ No | ☐ Yes | ☐ No |
| Rio Grande (Alameda - US550) | E. coli | ☒ Yes | ☐ No | ☒ Yes | ☐ No |
| Rio Grande (Alameda - US550) | Gross Alpha, adjusted & PCBs | ☐ Yes | ☒ No | ☐ Yes | ☐ No |

C. What specific sources contributing to the impairment(s) are you targeting in your stormwater program?

Temperature, Gross Alpha, Mercury and PCBs: no action, not directly related to NMDOT roadways or operations. Nutrients working cooperatively with other MS4s. E. coli: NMDOT is part of a cooperative education/outreach program.

D. Do you discharge to any high-quality waters (e.g., Tier 2, Tier 3, outstanding natural resource waters, or other state or federal designation)? ☐ Yes ☒ No

E. Are you implementing additional specific provisions to ensure their continued integrity? ☐ Yes ☒ No

## 3. Public Education and Public Participation

A. Is your public education program targeting specific pollutants and sources of those pollutants? ☒ Yes ☐ No

B. If yes, what are the specific sources and/or pollutants addressed by your public education program?

NMDOT and MRGSQT brochures, educational displays, and outreach programs address litter, household hazardous waste, illicit discharges, failing septic systems, pet waste, and general stormwater quality awareness.

C. Note specific successful outcome(s) (e.g., quantified reduction in fertilizer use; NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.

Refer to the MRGSQT Outcomes Report for a summary of educational outreach outcomes for the year. The MRGSQT Outcomes Report is included in Attachment 1.

D. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program? ☐ Yes ☒ No

## 4. Construction

A. Do you have an ordinance or other regulatory mechanism stipulating:

- Erosion and sediment control requirements? ☒ Yes ☐ No
- Other construction waste control requirements? ☒ Yes ☐ No
- Requirement to submit construction plans for review? ☒ Yes ☐ No
- MS4 enforcement authority? ☒ Yes ☐ No

B. Do you have written procedures for:

- Reviewing construction plans? ☒ Yes ☐ No
- Performing inspections? ☒ Yes ☐ No
- Responding to violations? ☒ Yes ☐ No

C. Identify the number of active construction sites ≥ 1 acre in operation in your jurisdiction at any time during the reporting period. 2

D. How many of the sites identified in 4.C did you inspect during this reporting period? 2

E. Describe, on average, the frequency with which your program conducts construction site inspections.

All projects within NMDOT right-of-way are inspected per the Construction General Permit (CGP) requirements.

F. Do you prioritize certain construction sites for more frequent inspections? ☐ Yes ☒ No

If Yes, based on what criteria?

G. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

| | | | | |
|---|---|---|---|---|
| ☐ Yes | Notice of violation | 0 | No Authority | ☐ |
| ☐ Yes | Administrative fines | 0 | No Authority | ☐ |
| ☐ Yes | Stop Work Orders | 0 | No Authority | ☐ |
| ☐ Yes | Civil penalties | 0 | No Authority | ☒ |
| ☐ Yes | Criminal actions | 0 | No Authority | ☒ |
| ☐ Yes | Administrative orders | 0 | No Authority | ☒ |
| ☐ Yes | Other | | | |

H. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions of active construction sites in your jurisdiction? ☒ Yes ☐ No

I. What are the 3 most common types of violations documented during this reporting period?

Typically NMDOT projects will have minor comments to contractors regarding BMPs, but nothing that has resulted in an enforcement action. NMDOT has the ability to enforce deficiencies through contract documents if escalation is required.

J. How often do municipal employees receive training on the construction program? Once per 4 years

## 5. Illicit Discharge Elimination

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? ☒ Yes ☐ No

B. Have you completed a map of all storm drain pipes and other conveyances in the storm sewer system? ☐ Yes ☒ No

C. Identify the number of outfalls in your storm sewer system. 7

D. Do you have documented procedures, including frequency, for screening outfalls? ☒ Yes ☐ No

E. Of the outfalls identified in 5.C, how many were screened for dry weather discharges during this reporting period?

See Item 10, Additional Info

F. Of the outfalls identified in 5.C, how many have been screened for dry weather discharges at any time since you obtained MS4 permit coverage? All

G. What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.

Outfalls are screened a minimum of once per Permit term.

H. Do you have an ordinance or other regulatory mechanism that effectively prohibits illicit discharges? ☐ Yes ☒ No

I. Do you have an ordinance or other regulatory mechanism that provides authority for you to take enforcement action and/or recover costs for addressing illicit discharges? ☐ Yes ☒ No

J. During this reporting period, how many illicit discharges/illegal connections have you discovered? 1

K. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 1

L. How often do municipal employees receive training on the illicit discharge program? See Item 10, Additional

## 6. Stormwater Management for Municipal Operations

A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:

| | | |
|---|---|---|
| All public parks, ball fields, other recreational facilities and other open spaces | ☐ Yes | ☒ No |
| All municipal construction activities, including those disturbing less than 1 acre | ☐ Yes | ☒ No |
| All municipal turf grass/landscape management activities | ☐ Yes | ☒ No |
| All municipal vehicle fueling, operation and maintenance activities | ☒ Yes | ☐ No |
| All municipal maintenance yards | ☒ Yes | ☐ No |
| All municipal waste handling and disposal areas | ☐ Yes | ☒ No |

Other

B. Are stormwater inspections conducted at these facilities? ☒ Yes ☐ No

C. If Yes, at what frequency are inspections conducted? Twice per year

D. List activities for which operating procedures or management practices specific to stormwater management have been developed (e.g., road repairs, catch basin cleaning).

Street sweeping, litter pickup, catch basin cleaning, culvert cleaning, scour repair, and water quality structure maintenance.

E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection? ☐ Yes ☒ No

F. If Yes, which activities and/or facilities receive most frequent inspections?

G. Do all municipal employees and contractors overseeing planning and implementation of stormwater-related activities receive comprehensive training on stormwater management? ☒ Yes ☐ No

H. If yes, do you also provide regular updates and refreshers? ☒ Yes ☐ No

I. If so, how frequently and/or under what circumstances?

Ongoing, as needed.

## 7. Long-term (Post-Construction) Stormwater Measures

A. Do you have an ordinance or other regulatory mechanism to require:

| | | |
|---|---|---|
| Site plan reviews for stormwater/water quality of all new and re-development projects? | ☒ Yes | ☐ No |
| Long-term operation and maintenance of stormwater management controls? | ☒ Yes | ☐ No |
| Retrofitting to incorporate long-term stormwater management controls? | ☒ Yes | ☐ No |

B. If you have retrofit requirements, what are the circumstances/criteria?

NMDOT will review STIP projects for opportunities to retrofit and incorporate appropriate control measures into redevelopment projects. NMDOT will not develop an inventory or priority ranking of potential retrofit projects.

C What are your criteria for determining which new/re-development stormwater plans you will review (e.g., all projects, projects disturbing greater than one acre, etc.)?

NMDOT will review STIP projects for opportunities to retrofit and incorporate appropriate control measures into redevelopment projects. NMDOT will not develop an inventory or priority ranking of potential retrofit projects.

D. Do you require water quality or quantity design standards or performance standards, either directly or by reference to a state or other standard, be met for new development and re-development? ☒ Yes ☐ No

E. Do these performance or design standards require that pre-development hydrology be met for:

| | | |
|---|---|---|
| Flow volumes | ☐ Yes | ☒ No |
| Peak discharge rates | ☒ Yes | ☐ No |
| Discharge frequency | ☐ Yes | ☒ No |
| Flow duration | ☐ Yes | ☒ No |

F. Please provide the URL/reference where all post-construction stormwater management standards can be found.

See Item 10, Additional Information for URLs/reference links

G. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? See Item 10

H. How many of the plans identified in 7.G were approved? See Item 10

I. How many privately owned permanent stormwater management practices/facilities were inspected during the reporting period? N/A

J. How many of the practices/facilities identified in I were found to have inadequate maintenance? N/A

K. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections? N/A, NMDOT is the only op

L. Do you have authority to take enforcement action for failure to properly operate and maintain stormwater practices/facilities? ☐ Yes ☒ No

M. How many formal enforcement actions (i.e., more than a verbal or written warning) were taken for failure to adequately operate and/or maintain stormwater management practices? 0

N. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☐ Yes ☒ No

O. Do all municipal departments and/or staff (as relevant) have access to this tracking system? ☐ Yes ☒ No

P. How often do municipal employees receive training on the post-construction program? Once per 4 years

## 8. Program Resources

A. What was the annual expenditure to implement MS4 permit requirements this reporting period? $3,408,600

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit? $3 Milllon

C. This year what is/are your source(s) of funding for the stormwater program, and annual revenue (amount or percentage) derived from each?

| | | | | | |
|---|---|---|---|---|---|
| Source: | DOT Budget | Amount $ | | OR % | 100 |
| Source: | | Amount $ | | OR % | |
| Source: | | Amount $ | | OR % | |

D. How many FTEs does your municipality devote to the stormwater program (specifically for implementing the stormwater program; not municipal employees with other primary responsibilities)? 1

E. Do you share program implementation responsibilities with any other entities? ☒ Yes ☐ No

| Entity | Activity/Task/Responsibility | Your Oversight/Accountability Mechanism |
|---|---|---|
| | MRG Stormwater Quality Team | See Item 10, Additional Information for a more |
| | MS4 Technical Advisory Group (TAG) | complete response of cooperative programs |
| | Cooperative sampling program (CMC) | |

## 9. Evaluating/Measuring Progress

A. What indicators do you use to evaluate the overall effectiveness of your stormwater management program, how long have you been tracking them, and at what frequency? These are not measurable goals for individual management practices or tasks, but large-scale or long-term metrics for the overall program, such as macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

| Indicator | Began Tracking (year) | Frequency | Number of Locations |
|---|---|---|---|
| *Example:* E. coli | 2003 | Weekly April–September | 20 |
| General Public Surveys | 2014 | typically two times per year | 2 |
| Nutrient Study | 2014 | Once per permit term | 6 |
| Adopt-a-highway tracking | pre MS4 Permit | monthly | 12 roadways |
| Maintenance activity tracking | pre MS4 Permit | weekly | 31 roadways |
| See Item 10, Additional Information | | | |

B. What environmental quality trends have you documented over the duration of your stormwater program? Reports or summaries can be attached electronically, or provide the URL to where they may be found on the Web.

See Item 10, Additional Information for a more complete response

## 10. Additional Information

Please attach any additional information on the performance of your MS4 program, including information required in Parts I.C, I.D, and III.B. If providing clarification to any of the questions above, please provide the question number (e.g., 2C) in your response.

## Certification Statement and Signature

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

☒ Yes ☐ No

Federal regulations require this application to be signed as follows: **For a municipal, State, Federal, or other public facility**: by either a principal executive or ranking elected official.

| Signature | | Paul Brasher, P.E., District 3 Engineer | |
|---|---|---|---|
| | | Name of Certifying Official, Title | Date (mm/dd/yyyy) |

**DRAFT**

New Mexico DEPARTMENT OF TRANSPORTATION
MOBILITY FOR EVERYONE

Date: October 3, 2025

To: EPA Region 6

From: Tim Trujillo, NMDOT District 3 - Drainage Engineer

Subject: **NPDES Stormwater Program MS4 Annual Report**
**Item 10: Additional Information**
**New Mexico Department of Transportation, District 3**
**NPDES Permit NMR04A000, Permit Tracking Number ID NMR04A010**

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The items below provide additional information for each corresponding item in the MS4 Annual Report Format PDF for the reporting period July 1, 2024, to June 30, 2025.

1. The total population listed is 741,318 for the City of Albuquerque, which is classified as an Urbanized Area (UA) within NMDOT District 3. The 2010 U.S. Census population values for the UAs and urban clusters were used for this population estimate.

   NPDES Permit number: NMR04A000, Permit Tracking Number ID NMR04A010.

2. **2B**: Impaired Waters – Text box in the Environmental Protection Agency (EPA) Annual Report Format PDF form truncates the text. For clarity, impaired waters that the NMDOT District 3 discharges to within the City of Albuquerque MS4 area are summarized in Table 1 on page 2 of this memo. The impaired waters designations shown in Table 1 are from New Mexico Environment Department (NMED) Surface Water Quality Bureau 2022-2024, and the 2024-2026 State of New Mexico CWA §303(d)/§305(b) Integrated List & Report approved by EPA on May 13, 2024. For the waters located within the NMDOT District 3 area, the impairments and Total Maximum Daily Loads (TMDLs) did not change from the 2022-2024 report to the 2024-2026 report. These reports were approved after the Middle Rio Grande (MRG) MS4 Permit went into administrative continuance. Previous impairment lists are available on the NMED Surface Water Quality website (https://www.env.nm.gov/surface-water-quality/303d-305b/). The Tijeras Arroyo (Four Hills Bridge to headwaters) TMDL for nutrients was finalized in 2017 by NMED and is listed in Table 1. However, since this TMDL was released after the MRG MS4 Permit (NMR04A000) December 2014 issuance date, nutrients in the Tijeras Arroyo are treated as an impairment without a TMDL for the purposes of permit compliance.

**Table 1: Impaired Waters Summary Table**

| Impaired Water* | Impairment | Approved TMDL? | TMDL Assigns WLA for MS4? |
|---|---|---|---|
| Rio Grande NM 2105_50 (Isleta Pueblo boundary to Tijeras Arroyo) | E. coli | Yes | Yes |
| | Dissolved Oxygen | No | N/A |
| | PCBs – Fish Consumption Advisory | No | N/A |
| | Mercury (Hg) – Fish Consumption Advisory | No | N/A |
| Rio Grande NM-2105_51 (Tijeras Arroyo to Alameda Bridge) | E. coli | Yes | Yes |
| | Dissolved Oxygen | No | N/A |
| | PCBs – Fish Consumption Advisory | No | N/A |
| | Temperature | No | N/A |
| | Mercury (Hg) – Fish Consumption Advisory | No | N/A |
| Tijeras Arroyo NM-9000.A_001 (Four Hills Bridge to headwaters) | Nutrients | Yes** | Yes** |
| Rio Grande NM-2105.1_00 (non-pueblo Alameda Bridge to HWY 550 Bridge) | E. coli | Yes | Yes |
| | Gross Alpha, Adjusted | No | N/A |
| | PCBs – Fish Consumption Advisory | No | N/A |
| | PCBs | No | N/A |
| | Mercury (Hg) – Fish Consumption Advisory | No | N/A |

*Impaired water designation from New Mexico Environment Department (NMED) Surface Water Quality Bureau 2022-2024 and the 2024-2026 State of New Mexico CWA §303(d)/§305(b) Integrated Lists & Reports.

**A TMDL for nutrients in the Tijeras Arroyo was finalized on 10/12/2017. Since this TMDL was released after the Middle Rio Grande (MRG) MS4 Permit issuance, for the purposes of permit compliance, nutrients in the Tijeras Arroyo are treated as an impairment without a TMDL.

**2C**: NMDOT maintenance activities target collection, removal, and disposal of floatables, roadside litter, and sediment. NMDOT compliance with the Construction General Permit (CGP) requirements targets sedimentation concerns within the watershed.

NMDOT does not contribute to the temperature, gross alpha, PCB, or mercury impairments, as these pollutants are not directly related to NMDOT roadways or operations.

For E. coli, MS4s can be significant sources of E. coli because urban runoff can be affected by pet waste, illicit sewer connections, and failing septic systems – all of which are not directly related to NMDOT roadways or operations. NMDOT is a member of the Mid-Rio Grande Stormwater Quality Team (MRGSQT) which organizes education and outreach related to reducing pet waste, preventing illicit sewer connections, and repairing failing septic systems (http://www.keeptheriogrand.org/). In addition, NMDOT requires utility permits to help ensure that illicit utility connections do not occur.

For nutrients, NMDOT is working with Bernalillo County and the City of Albuquerque related to nutrient concerns in the Tijeras Arroyo (also referred to as Tijeras Creek). NMDOT District 3 is a partner in the Tijeras Creek Watershed Collaborative – an interagency initiative focused on preserving and improving the Tijeras Creek Watershed ecological and cultural landscapes through public education and on-the-ground restoration.

3. No additional comments on information provided on the MS4 Annual Report Form. The MRGSQT Outcomes Report provides a summary of the educational outreach efforts and outcomes within the watershed. The Outcomes Report is included as Attachment 1 to this MS4 Annual Report.

4. **4A**: Regulatory Mechanisms:

   NMDOT Standard Specifications for Highway and Bridge Construction – web link: https://dot.state.nm.us/content/nmdot/en/standards.html#, construction contract, and NPDES Manual (Revision 4, 10/2023) – web link: https://www.dot.nm.gov/wp-content/uploads/2024/01/NMDOT-NPDES-Manual-Rev-4-2023.pdf. NMDOT led the effort to update the NPDES Manual in FY 2020, and again in FY 2023-FY 2024. The FY 2020-FY 2021 update included updated regulatory information and the addition of Green Stormwater Infrastructure (GSI) and Low Impact Development (LID) Best Management Practices. The FY 2023-FY 2024 update addressed the Construction General Permit (CGP) section of the manual to reflect updates from the 2022 CGP.

   In FY 2024, NMDOT finalized an Erosion and Sediment Control Field Guide to assist NMDOT staff and inspectors, as well as contractors, with improved CGP compliance. This field guide includes information on CGP requirements as well as inspection information on best management practices for construction phase temporary erosion and sediment control. NMDOT printed 240 copies of the flip book field guide for their staff and contractors; it can be found online here: https://www.dot.nm.gov/wp-content/uploads/2024/07/2024-05-23-Erosion-and-Sediment-Control-Field-Guide_FINAL-FOR-WEB.pdf.

**4B**: NMDOT Standard Specifications for Highway and Bridge Construction and EPA SWPPP inspection form (available in NPDES Manual). Links provided in 4A above.

**4C**: In FY 2024, there were two (2) active NMDOT construction projects that were within the MS4 boundary and disturbed greater than (>) one (1) acre of bare ground. As a result, there were two (2) construction sites that required inspections during this reporting period.

**4J**: NMDOT NPDES/SWPPP Qualified training is required every four (4) years, but is typically offered multiple times per year.

5. **5A**: An NMDOT outfalls map for the City of Albuquerque MS4 area has been developed. There have not been any updates to these in FY 2025. This map is available upon request.

   **5B**: The vast majority of potential NMDOT storm drain outlets are short culverts under the roadways, and therefore do not need to be mapped to determine upstream sources. The limited networked storm drains within NMDOT ROW capture only NMDOT runoff. Mapping these will serve no benefit in locating illicit discharges entering NMDOT ROW from outside its jurisdiction. Several MS4s within the Middle Rio Grande have storm drain maps that include many of the NMDOT roadway drainage structures within the MS4 area.

   **5E & 5F**: There are seven (7) identified outfalls. One (1) of the seven (7) outfalls discharges into an irrigation drain. During two (2) inspections over the permit term, the irrigation drain had been carrying water and the outfall was not able to be screened. NMDOT has determined that this drain is never dry, so outfall observation will not be possible at this location.

   **5H**: NMDOT has no authority to issue an ordinance or other regulatory mechanism to prohibit illicit discharges.

   **5I**: NMDOT has no authority to issue an ordinance or other regulatory mechanism to take enforcement action or recover costs for addressing illicit discharges.

   **5J & 5K**: One (1) illicit discharge was discovered during this reporting period. Proper response to the spill occurred, as well as complete clean-up, and there was not a surface water impact from the spill.

   **5L**: NMDOT does not have a stand-alone illicit discharge training program – this topic is covered in the general stormwater training, spill prevention and response training, as well as in the maintenance activity performance guidelines (such as emergency repairs/clean-up and litter pickup). All employees also have access to an illicit discharge educational brochure and report form – https://www.dot.nm.gov/wp-content/uploads/2021/10/Illicit-Discharge-Brochure-and-Form.pdf.

6. **6A**:
    1. NMDOT does not have parks or ball fields.
    2. All projects greater than (>) one (1) acre are required to develop a SWPPP; projects less than (<) one (1) acre are dealt with on a case-by-case basis.
    3. NMDOT has negligible turf and landscaping.
    4. NMDOT has equivalent plans for vehicle fueling and operation and maintenance activities.
    5. NMDOT has developed SWPPP type documents for the NMDOT facilities/maintenance yards within the MS4 area.
    6. NMDOT does not have municipal waste handling facilities.

    **6B**: Stormwater inspections are typically conducted by NMDOT once or twice per year.

    **6G**: All employees who approve drainage plans and final stabilization temporary erosion control plans receive comprehensive training on stormwater management.

7. **7E**:
    1. Pre-development hydrology flow volumes are not limited by NMDOT design standards. Stormwater retention is required within MS4 areas as required in the MS4 Permits (currently required in the MRG Permit and anticipated in the regulations in the forthcoming state-wide permit).
    2. Peak discharge rate limits are addressed in the current *Drainage Design Manual* (DDM).
    3. Discharge frequency is not limited by NMDOT design standards.
    4. Flow duration is not limited by NMDOT design standards.

    **7F**: The web page link to NMDOT's *Drainage Design Manual*, which includes post-construction stormwater management standards, is: https://www.dot.nm.gov/infrastructure/program-management/drainage-design/

    In FY 2024, NMDOT finalized a Green Stormwater Infrastructure (GSI) Maintenance Field Guide and GSI Maintenance Manual to assist NMDOT staff and maintenance contractors with improved maintenance of drainage facilities with GSI features, which have both engineered and biological components and require maintenance. GSI features are designed to capture, treat, and infiltrate stormwater. They provide other benefits, such as shade, habitat, and beauty. NMDOT printed over 200 copies of the flip book field guide for their staff and contractors and it can be found online here: https://www.dot.nm.gov/wp-content/uploads/2024/07/2024-05-23-GSI-Maintenance-Field-Guide_FINAL-FOR-WEB.pdf. The GSI Maintenance Manual is located online here: https://www.dot.nm.gov/wp-content/uploads/2024/07/NMDOT-GSI-Maintenance-Manual_Final.pdf.

    **7G & 7H**: Plan reviews are tracked by NMDOT for commercial access drainage and grading projects, NMDOT internal projects, and local projects.

    **7I & 7J**: Not applicable; there are no privately-owned facilities within NMDOT jurisdiction.

**7K through M**: Not applicable; NMDOT is the only operator post-construction and as a result, no enforcement authority or action is required.

8. **8A**: Dollar amounts shown reflect estimated expenditures from July 1, 2024, through June 30, 2025 Expenditures shown reflect consultant fees, contributions to the Mid-Rio Grande Stormwater Quality Team (MRGSQT) and the Stormwater Quality Sampling Program, and costs for maintenance activities (litter pickup, street sweeping, drainage structure cleaning, etc.) within the MS4 boundary. The costs of the Drainage Design & Environmental Bureau's employee salaries, training, and travel expenses were **not** included in this MS4 program resources estimate.

   1. Consultant fees = $58,700

   2. Stormwater Quality Sampling and MRGSQT = $16,100

   3. Roadway Sweeping = $713,100

   4. Maintenance and Litter Pickup activities = $2,620,700

   5. Total = $3,408,600

   **8B**: Next year's budget for implementing NMDOT District 3's MS4 NPDES program is anticipated to be similar to this year's expenditures.

   **8C**: NMDOT has no annual revenue or direct funding source for the MS4 program. The MS4 program budget (amounts shown) is allocated out of the general funding for the DOT.

   **8E**: The text box in the EPA Annual Report PDF form does not allow enough space to enter a complete response. Complete response (Note – Table continues on p. 7):

| Entity | Activity / Task / Responsibility | Your Oversight / Accountability Mechanism |
|---|---|---|
| NMDOT – District 3<br>Bernalillo County<br>AMAFCA<br>City of Albuquerque<br>UNM<br>Sandoval County<br>Village of Corrales<br>City of Rio Rancho<br>Village of Los Ranchos<br>Kirtland Air Force Base<br>Town of Bernalillo<br>SSCAFCA<br>ESCAFCA<br>Sandia National Laboratory (DOE) | MS4 Technical Advisory Group (TAG) – various cooperative activities | Intergovernmental Agreement |

| Entity | Activity / Task / Responsibility | Your Oversight / Accountability Mechanism |
|---|---|---|
| NMDOT – District 3<br>AMAFCA<br>City of Albuquerque<br>Bernalillo County<br>Village of Corrales<br>City of Rio Rancho<br>Village of Los Ranchos<br>Town of Bernalillo<br>SSCAFCA<br>ESCAFCA<br>Sandoval County<br>Ciudad Soil and Water Conservation District | Mid-Rio Grande Stormwater Quality Team (MRGSQT) | Intergovernmental Agreement |
| NMDOT – District 3<br>Bernalillo County<br>AMAFCA<br>City of Albuquerque<br>UNM<br>Sandoval County<br>Village of Corrales<br>City of Rio Rancho<br>Village of Los Ranchos<br>Town of Bernalillo<br>SSCAFCA<br>ESCAFCA | MS4 Compliance Monitoring Cooperative (CMC) – Wet Weather Monitoring | Intergovernmental Agreement |
| NMDOT – District 3<br>Bernalillo County<br>Village of Los Ranchos<br>AMAFCA | Development Review – Construction and Post-Construction Stormwater Management | Intergovernmental Agreement |
| NMDOT – District 3<br>Bernalillo County<br>ABCWUA<br>City of Albuquerque<br>AMAFCA<br>Village of Los Ranchos | Capacity, Management, Operations and Maintenance (CMOM) Plan Spill Response, emphasis on Fats, Oils and Grease (FOG) | Intergovernmental Agreement |
| NMDOT – District 3<br>Bernalillo County<br>City of Albuquerque<br>AMAFCA | Investigation and Resolution of IDDE | Shared without cost allocation |

9. **9A**: NMDOT is a non-traditional MS4 and evaluating the overall effectiveness of its stormwater management program focuses on metrics collected specific to its roadway facilities. NMDOT tracks general public surveys with the Middle Rio Grande Stormwater Quality Team (MRGSQT) and nutrient study results for the Tijeras Arroyo with the City of Albuquerque and Bernalillo County. Large scale watershed or in-stream hydrologic studies are beyond the jurisdiction and reach of NMDOT. NMDOT tracks adopt-a-highway data (public participation litter removal program) including the number of volunteers and amount of trash removed for each location. In addition, through NMDOT's Maintenance Management System (MMS) system, NMDOT tracks all maintenance activities in each district including miles of roadway sweeping, litter removal, and drainage structure cleanings. Tracking this data assists NMDOT in evaluating the overall effectiveness of its activities related to stormwater management and MS4 Permit compliance.

   **9B**: NMDOT has not been directly involved with creating these documents. Upon request, a list may be compiled for documents relating to this item. Trends and data collected by the CMC have been provided to New Mexico Environment Department (NMED) for additional analysis. Some additional information may also be found at http://www.keeptheriogrand.org/resources/.

10. Supporting documents similar to those provided in the attachments of previous MS4 Annual Reports have been compiled and are on file at NMDOT offices. They have not been included in this report to keep this submittal a manageable size. These supporting documents are available upon request.

**Attachments:**

- Attachment 1 – FY 2025 MRGSQT Outcomes Report (*Not Included with this Draft*)
- Attachment 2 – Compliance Monitoring Cooperative (CMC) – FY 2025 Stormwater Monitoring Memos

# Attachment 1

# FY 2025 MRGSQT Outcomes Report

***(Not Included with this Draft)***

# Attachment 2

# Compliance Monitoring Cooperative (CMC) – FY 2025 Stormwater Monitoring Memos

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# MEMORANDUM

**DATE:** 8/14/2025

**TO** Patrick Chavez, AMAFCA

**FROM:** Sarah Ganley, PE, ENV-SP
Savannah Maynard

**SUBJECT:** **CMC Dry Season, Wet Weather Stormwater Monitoring**
**Data Verification, Analysis Results Database, and Reporting Memo**
**FY 2025 Dry Season (November 1, 2024 to June 30, 2025)**

## NOTIFICATION OF IN-STREAM WATER QUALITY EXCEEDANCES

For downstream notification purposes, the following parameters for in-stream samples taken from the Rio Grande in June 2025 for the fiscal year (FY) 2025 dry season had results that exceeded applicable water quality standards (WQSs) for three (3) samples of E. coli, two (2) samples of polychlorinated biphenyls (PCBs), and one (1) sample of gross alpha, adjusted. Table 1 summarizes the samples and the applicable WQSs that were exceeded. Additional details on the sample results shown in Table 1 are provided in this memo.

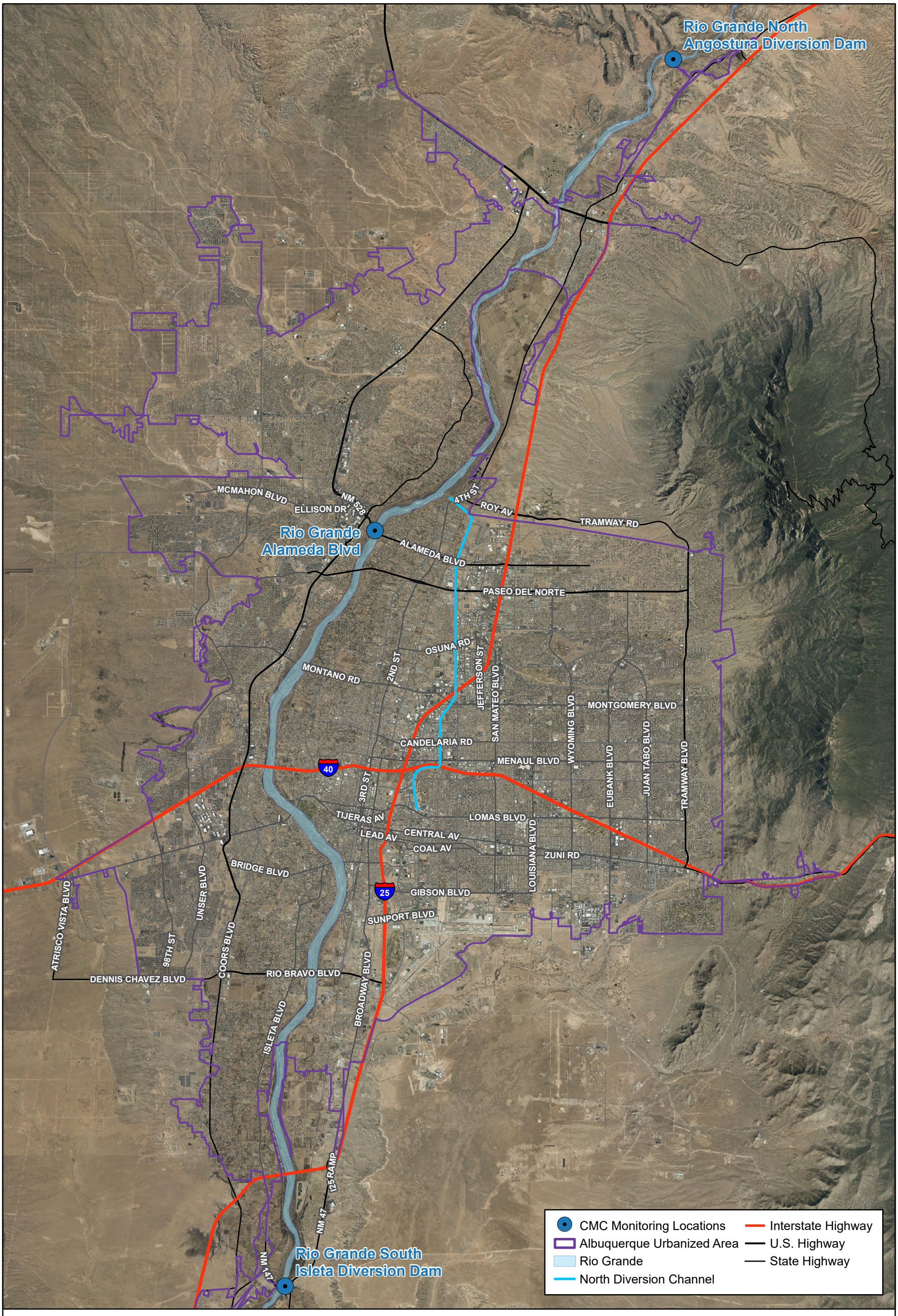
**Table 1: Parameters Detected Above Applicable Water Quality Standards**
**CMC FY 2025 Dry Season Monitoring**

| Sampling Date Location | Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS | | |
|---|---|---|---|
| | **E. coli** | **PCBs** | **Gross Alpha, Adjusted** |
| | **WQS: 88 MPN (CFU/100 mL)**<br>Pueblo of Isleta Primary Contact Ceremonial & Recreational | **WQS: 0.00017 ug/L**<br>Pueblo of Isleta Human Health Criteria (based on fish consumption only) | **WQS: 15 pCi/L**<br>Pueblo of Isleta General Standards and NMAC Domestic Water Supply and Livestock Watering |
| 6/4/2025 Rio Grande North Angostura | No Exceedance | Exceeded 0.0001942 ug/L | No Exceedance |
| 6/4/2025 Rio Grande at Alameda | Exceeded 275 MPN (CFU/100 mL) | Not Tested | Not Tested |
| 6/5/2025 Rio Grande at Alameda | Exceeded 5,794 MPN (CFU/100 mL) | Not Tested | Not Tested |
| 6/5/2025 Rio Grande South Isleta Dam | Exceeded 908 MPN (CFU/100 mL) | Exceeded 0.0059031 ug/L | Exceeded 18.3 pCi/L |

## OVERVIEW OF STORMWATER MONITORING ACTIVITY

Bohannan Huston, Inc. (BHI) has been tasked to perform water quality services for the Compliance Monitoring Cooperative (CMC) Stormwater Data Verification, Database, and Reporting for the Dry Season, Wet Weather Stormwater Quality Monitoring Program for FY 2025 (November 1, 2024 to June 30, 2025). The scope of work for this task includes data verification of the stormwater laboratory analysis results, compiling the analysis results into a database, and calculating the E. coli loading to compare with the Waste Load Allocation (WLA) for qualifying storm events. The stormwater compliance monitoring was conducted separately by INTERA Incorporated (INTERA) and is not a part of this BHI task. This task is being conducted to assist the CMC members with their comprehensive monitoring and assessment program for compliance under the 2014 Middle Rio Grande (MRG) Watershed Based (WSB) Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000 ("WSB MS4 Permit").

The WSB MS4 Permit entered Administrative Continuance in December 2019, when U.S. Environmental Protection Agency (EPA) Region 6 did not issue a new MS4 Permit before the WSB MS4 Permit expiration date. The MRG Technical Advisory Group (TAG) sent EPA a letter, dated October 15, 2019, acknowledging Administrative Continuance after the expiration date of the 5-year WSB MS4 Permit term. Until a new WSB MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required sampling of a minimum of seven (7) storm events at both the Rio Grande North and Rio Grande South locations (refer to Figure 1, page 3). All WSB MS4 Permit required samples have been obtained by the CMC, as well as two (2) storm events sampled in FY 2021, one (1) storm event sampled during the FY 2022 wet season, one (1) storm event sampled during the FY 2023 wet season, two (2) storm events sampled in FY 2024, one (1) storm event sampled during the FY 2025 wet season, and one (1) storm event sampled during the FY 2025 dry season during Administrative Continuance; all 15 CMC samples are summarized in Table 2 below.




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0 6,250 12,500 25,000 Feet

1 inch = 12,500 feet

# CMC Monitoring

***Figure 1***
***Monitoring Locations***

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Author: mcrooks

**August 2025**

**Table 2: CMC Sample Summary**
**Compared to WSB MS4 Permit Requirements**

| Storm Events Required by WSB MS4 Permit | CMC-WSB MS4 Permit Required Samples per Season | FY (Date) Samples Obtained for CMC |
|---|---|---|
| 1 | #1 Wet Season | FY 2017 (8/10/2016) |
| 2 | #2 Wet Season | FY 2017 (9/12/2016) |
| 3 | #3 Wet Season | FY 2017 (9/21/2016) |
| 4 | #1 Dry Season | FY 2017 (11/21/2016) |
| 5 | #2 Dry Season | FY 2019 (3/13/2019) |
| 6 | Any Season | FY 2018 (Wet Season - 7/27/2017) |
| 7 | Any Season | FY 2018 (Wet Season - 9/27/2017) |
| Not Required | Wet Season | FY 2021 (10/28/2020) |
| Not Required | Dry Season | FY 2021 (4/28/2021) |
| Not Required | Wet Season | FY 2022 (9/1/2021) |
| Not Required | Wet Season | FY 2023 (10/5/2022) |
| Not Required | Dry Season | FY 2024 (12/14/2023) |
| Not Required | Dry Season | FY 2024 (6/26/2024) |
| Not Required | Wet Season | FY 2025 (7/19/2024) |
| Not Required | Dry Season | FY 2025 (6/5/2025) |

During the WSB MS4 Permit Administrative Continuance, the CMC members have chosen to continue sampling within the Rio Grande to support their MS4 program needs and gather additional data in support of the future WSB MS4 Permit compliance. This memo reports on the wet weather stormwater monitoring activity for the FY 2025 dry season (November 1, 2024 to June 30, 2025).

The CMC Excel database was updated with the FY 2025 dry season monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required Minimum Qualification Levels (MQLs) and results.

## SUMMARY OF THE CMC SAMPLING PLAN

### Sampling Parameters:

The samples from the Rio Grande North and Rio Grande South monitoring locations were analyzed for the parameters defined in the EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016. The parameter list for both locations, which is intended to characterize stormwater discharges into the river, is as follows:

Total Suspended Solids (TSS)
Total Dissolved Solids (TDS)
Chemical Oxygen Demand (COD)
Biological Oxygen Demand – 5-day ($BOD_5$)
Dissolved Oxygen (DO)
Oil & grease (N-Hexane Extractable Material)
E. coli
pH
Total Kjeldahl Nitrogen (TKN)
Nitrate plus Nitrite
Dissolved Phosphorus
Ammonia as Nitrogen
Nitrogen (Total Nitrogen)
Phosphorous (Total Phosphorous)
Polychlorinated Biphenyls (PCBs - Method 1668A)
Gross Alpha, adjusted
Tetrahydrofuran
Benzo(a)pyrene
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)
Benzo(k)fluoranthene
Chrysene
lndeno (1 ,2,3-cd) Pyrene
Dieldrin
Pentachlorophenol
Benzidine
Benzo(a)anthracene
Dibenzofuran
Dibenzo(a, h)anthracene
Chromium VI (Hexavalent)
Dissolved Copper
Dissolved Lead
Bis (2-ethylhexyl) phthalate
Conductivity
Temperature
Hardness (as $CaCO_3$)
Per-and polyfluoroalkyl substances, known as PFAS

Hardness (as $CaCO_3$) was added to the parameter list to allow dissolved metal results to be compared to the applicable WQSs. Per the WSB MS4 Permit, DO, pH, conductivity, and temperature are required to be analyzed in the field within 15 minutes of sample collection, which was conducted by INTERA. All E. coli samples were submitted to the laboratory within 8 hours of collection in order to meet the specified hold time. Testing for PFAS was added to the parameter list by the CMC in 2024, and the June 2025 Rio Grande North and South samples included PFAS testing.

## Sampling Locations:

The sampling locations are shown in Figure 1, page 3.

Rio Grande North – In-stream sampling within the Rio Grande was performed upstream of the Angostura Diversion Dam at the north end of the watershed. The location is upstream of all inputs from the Urbanized Area (UA) to the river and provides the background water conditions.

Rio Grande South – In-stream sampling within the Rio Grande was performed at the Isleta Bridge at the south end of the watershed. The location is downstream of all inputs from the UA to the river and provides the downstream water conditions. These locations have been accepted by EPA and the New Mexico Environment Department (NMED) to meet the WSB MS4 Permit requirements in Part III.A.

During this FY 2025 dry season, two (2) E. coli samples were collected within the Rio Grande at Alameda Blvd. This is the location of the NMED defined stream segment divide (refer to Figure 2). This sample point was added after discussion with NMED regarding potential refinements to E. coli loading calculations in February 2017. This is the first time that two (2) E. coli samples were collected at the Alameda location for one (1) storm event; one (1) pre-storm and one (1) during the storm event. These samples were used in the WLA analysis.

## Sample Collection:

As mentioned previously, sample collection for the CMC was conducted by INTERA (through a separate on-call contract). Since BHI was not involved in the sample collection, this task and memo do not address the details of the methodologies regarding sampling, determining if an event was a qualifying storm event or determining the timing of the hydrograph at the Rio Grande Alameda and Rio Grande South locations.

INTERA provided field sample data (temperature, DO, specific conductivity, and pH) to BHI for the FY 2025 dry season sampling. AMAFCA provided BHI the completed laboratory analysis reports from Eurofins Environment Testing for this monitoring season.

## Quality Assurance Project Plan (QAPP):

AMAFCA provided BHI with the *Draft Quality Assurance Project Plan* (QAPP) for the CMC, dated June 14, 2016. INTERA followed this QAPP during sample collection for the June 2025 samples. BHI used this QAPP and the included standard operating procedures (SOPs) for data verification and validation. This QAPP was updated for the CMC during FY 2025 and the updated QAPP, dated June 6, 2025, will be used for future CMC sampling.

**Rio Grande Segment**
**Hwy 550 Bridge to Angostura Diversion**
**NM-2105.1_02**

| Impairments CWA 303(d) List* | TDML |
|---|---|
| E. coli | E. coli |

**MS4 Permit Stream Segment**
**Alameda Bridge to**
**Angostura Diversion**
**2105.1_00**

**Rio Grande Segment**
**Alameda Bridge to Hwy 550 Bridge**
**NM-2105.1_00**

| Impairments CWA 303(d) List* | TDML |
|---|---|
| Gross alpha, adjusted | E. coli |
| PCBs - Fish Consumption Advisory | |
| Mercury - Fish consumption Advisory | |
| PCBs | |
| E. coli | |

**Rio Grande Segment**
**Tijeras Arroyo to Alameda Bridge**
**NM-2105_51**

| Impairments CWA 303(d) List* | TDML |
|---|---|
| Dissolved Oxygen | E. coli |
| PCBs - Fish Consumption Advisory | |
| Mercury - Fish Consumption Advisory | |
| Temperature | |
| E. coli | |

**MS4 Permit Stream Segment**
**Isleta Pueblo Boundary to Alameda St. Bridge**
**2105_50**

**Rio Grande Segment**
**Isleta Pueblo Boundary to Tijeras Arroyo**
**NM-2105_50**

| Impairments CWA 303(d) List* | TDML |
|---|---|
| Dissolved Oxygen | E. coli |
| PCBs - Fish Consumption Advisory | |
| Mercury - Fish Consumption Advisory | |
| E. coli | |

MS4 Permit Stream Segments
NMED Stream Segments
North Diversion Channel
Albuquerque Urbanized Area
Rio Grande
Interstate Highway
U.S. Highway
State Highway

AMAFCA

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0 12,500 25,000 Feet

1 in = 12,500 ft

# CMC Monitoring

***Figure 2***
***Rio Grande Impairments & TMDL Information***

* 2024-2026 State of NM Clean Water Act, Section 303(d)/Section 305(b) Integrated Reports

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Author: mcrooks

**August 2025**

## MONITORING ACTIVITY & LAB ANALYSIS SUMMARY

The list below provides a summary of the CMC comprehensive monitoring program activities completed for the FY 2025 dry season from November 2024 through June 2025. One (1) qualifying storm event was sampled and analyzed during the FY 2025 dry season.

- **June 4 - 5, 2025 – Qualifying Storm Event.** Samples were collected on June 4, 2025, at the Rio Grande North and Alameda Blvd. locations at 2:40 p.m. and 3:40 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning June 4, 2025 was a qualifying storm event. Samples were collected on June 5, 2025 at the Rio Grande South and Alameda Blvd. locations at 2:20 p.m. and 12:20 p.m., respectively. The samples from the Rio Grande North (collected June 4) and Rio Grande South (collected June 5) locations were taken to Eurofins Environment Testing for full parameter testing. The samples collected on June 4 and June 5 from the Alameda Blvd. location were taken to Eurofins Environment Testing for E.coli testing.

## STORMWATER QUALITY DATABASE FOR CMC

As stated previously, there was one (1) qualifying storm event sampled by the CMC during the dry season, wet weather monitoring program for FY 2025; this event occurred June 4, 2025 through June 5, 2025. INTERA's field notes containing DO, pH, conductivity, and temperature measurements, as well as sampling comments have been received, and field results have been added to the database. INTERA was not able to obtain field data for the Rio Grande Alameda samples. Additionally, the Eurofins Environment Testing reports for the corresponding time period have been received, added to the database, and are provided with this memo (Attachment 1). The laboratory reports attached to this memo have BHI added comments, including the field parameter measurements and other relevant notes related to the laboratory reports.

### Database Data Entry:

The CMC Excel database was updated with the FY 2025 dry season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required MQLs, and analysis results. The database was updated under this task to include the Rio Grande at Alameda sample location. Applicable surface WQSs found in New Mexico Administrative Code (NMAC) 20.6.4, as well as the Pueblo of Isleta WQSs, are entered in the Excel database for comparison purposes with testing results. There is an indicator in the database to show if the monitoring results exceed the applicable surface WQS. An exceedance is not a violation of the WSB MS4 Permit, as the Permit does not have numeric discharge limitations. These ">WQ Standard" flags simply and quickly show the CMC members where the results of the lab data exceed the applicable WQS.

Water quality data was entered into the database upon receipt of the lab reports. All data entered into the database is initially denoted with a "P" to indicate that it is provisional and has not been through the verification and validation process yet. Full parameter analyses of the qualifying storm event for the Rio Grande South location was entered into the database. The E. coli only samples from the Rio Grande Alameda location were also entered into the database.

## Data Verification and Validation:

The Eurofins Environment Testing analysis reports were provided to BHI by AMAFCA. The lab reports also contain the Chain of Custody for the submitted samples. Field data was requested by and provided to BHI by INTERA. Data verification and validation (V&V) was conducted by BHI on all field notes, lab reports, and Chain of Custody documents in accordance with the CMC WQS SOP #2, which is part of the existing draft QAPP (June 14, 2016). These procedures are based on *EPA Guidance for Environmental Data Verification and Validation* (EPA, 2008).

As stated in the QAPP, the V&V process was completed by a different person than the one who entered the data into the database. The V&V process included use of the *Data Verification and Validation Worksheet* (provided in the QAPP). For this task, field data was verified first, confirming all field notes were complete. AMAFCA handled field parameter questions directly with INTERA. Chemical data verification began as soon as the lab reports were received, checking that all parameters were tested and looking for any obvious exceedances of WQSs. Other steps listed on the *Data Verification and Validation Worksheet* were completed after all data from the laboratory was received and entered into the database. Sample blank results were reviewed to identify potential contamination during field processing or transport. Replica/duplicate samples were evaluated based on relative percent difference (as described in more detail in the QAPP) to determine the variability of the samples.

All CMC FY 2025 dry season data met the appropriate QAPP requirements for the June 4 and June 5, 2025 samples. Data that did not meet the appropriate QAPP requirements was assigned an appropriate laboratory qualifier or validation code. A summary of validation codes is provided in the QAPP as well as in the lab reports in Attachment 1.

Once the V&V process was completed, the worksheets were signed. Copies of the V&V worksheets are provided with this memo (Attachment 2). In the database, data that was checked during the V&V process was then changed from being denoted with a “P” for provisional to a “V” for verified, and laboratory qualifiers were added, as needed.

## CMC FY 2025 DRY SEASON ASSESSMENT AND EVALUATION OF MONITORING RESULTS

The EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016, has 33 parameters to monitor at the Rio Grande North and Rio Grande South monitoring locations. This does not include PFAS, which is a new parameter the CMC chose to add. Of these 33 parameters, 17 parameters were not detected in the FY 2025 dry season samples at either the Rio Grande North or Rio Grande South locations. Refer to Table 3 for a list of the parameters that were not detected.

**Table 3: Parameters Not Detected**
**CMC FY 2025 Dry Season Monitoring**

| **Parameters Not Detected** | |
|---|---|
| Chemical Oxygen Demand (COD) | Pentachlorophenol |
| Oil and Grease (N-Hexane Extractable Material) | Benzidine |
| Tetrahydrofuran | Benzo(a)anthracene |
| Benzo(a)pyrene | Dibenzofuran |
| Benzo(b)fluoranthene (3, 4 Benzofluoranthene) | Dibenzo(a,h)anthracene |
| Benzo(k)fluoranthene | Dibenzofuran |
| Chrysene | Dissolved Lead |
| Indeno (1,2,3-cd) Pyrene | Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP) |
| Dieldrin | |

For the remaining parameters on the CMC monitoring parameter list, three (3) parameters (E. coli, PCBs, and Gross Alpha, adjusted) had exceedances of the applicable surface WQS found in NMAC 20.6.4 and the Pueblo of Isleta WQS during the FY 2025 dry season. All exceedances are discussed below in further detail.

### E. coli:

The E. coli results collected during the FY 2025 dry season are summarized in Table 4.

**Table 4: E. coli Results**
**CMC FY 2025 Dry Season Monitoring**

| **Date – Rio Grande Location** | **E. coli Results MPN (CFU/100 mL)** |
|---|---|
| **June 4, 2025 –** Rio Grande North Angostura | 31 |
| **June 4, 2025 –** Rio Grande at Alameda | 275 |
| **June 5, 2025 –** Rio Grande South, Isleta Dam | 908 |
| **June 5, 2025 –** Rio Grande at Alameda | 5,794 |

At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), one (1) sample was collected and tested for E. coli. The lab results for the June 4, 2025 sample showed that the sample had an acceptable E. coli concentration, below the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL).

At the Rio Grande South location (downstream of the MS4 UA), one (1) sample was collected and tested for E. coli. The June 5, 2025 sample exceeded both the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and the primary contact-single sample NMAC WQS (410 CFU/100 mL).

In addition, the CMC collected two (2) E. coli samples in the Rio Grande at Alameda Blvd. location during the FY 2025 dry season. The Alameda Blvd. analysis point was based on discussions with NMED in February 2017 on collecting actual E. coli data at the stream segment divide versus using an area percentage (as defined in the Total Maximum Daily Load [TMDL]) for E. coli loading calculations. The lab results showed that the June 4, 2025 sample exceeded the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and was below the primary contact-single sample NMAC WQS (410 CFU/100 mL). The June 5, 2025 sample exceeded both the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and the primary contact-single sample NMAC WQS (410 CFU/100 mL).

As a reminder, in January 2017 the CMC members clarified with NMED that the units MPN/100 mL and CFU/100 mL are considered to be interchangeable for the purposes of this stormwater quality monitoring reporting. ("MPN" means Most Probable Number and "CFU" means colony-forming units.) The New Mexico and Pueblo of Isleta WQSs for E. coli are currently in units of CFU/100 mL, while the lab reports are typically in units of MPN/100mL. The graph presented in this section uses units of CFU/100 mL to be consistent with the WQS units. Refer to Figure 3 for a graphical representation of E. coli results from June 2025.

### PCBs:

There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2025 dry season stormwater events were below the MQL established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). PCBs were detected in both the Rio Grande North and Rio Grande South June 2025 samples. The Rio Grande South location was above both the Pueblo of Isleta human health (HH) WQS based on fish consumption only and the NMAC HH WQS based on fish consumption only. The Rio Grande North location was above the Pueblo of Isleta HH WQS for surface waters but below the NMAC WQS human health-organism only criterion (HH-OO) WQS. The HH-OO WQS is based upon human consumption of fish and other aquatic life that bioaccumulate contaminants over time. The PCB results from 2016 through 2025 are shown in Figure 4, relative to several of the WQSs for PCBs.

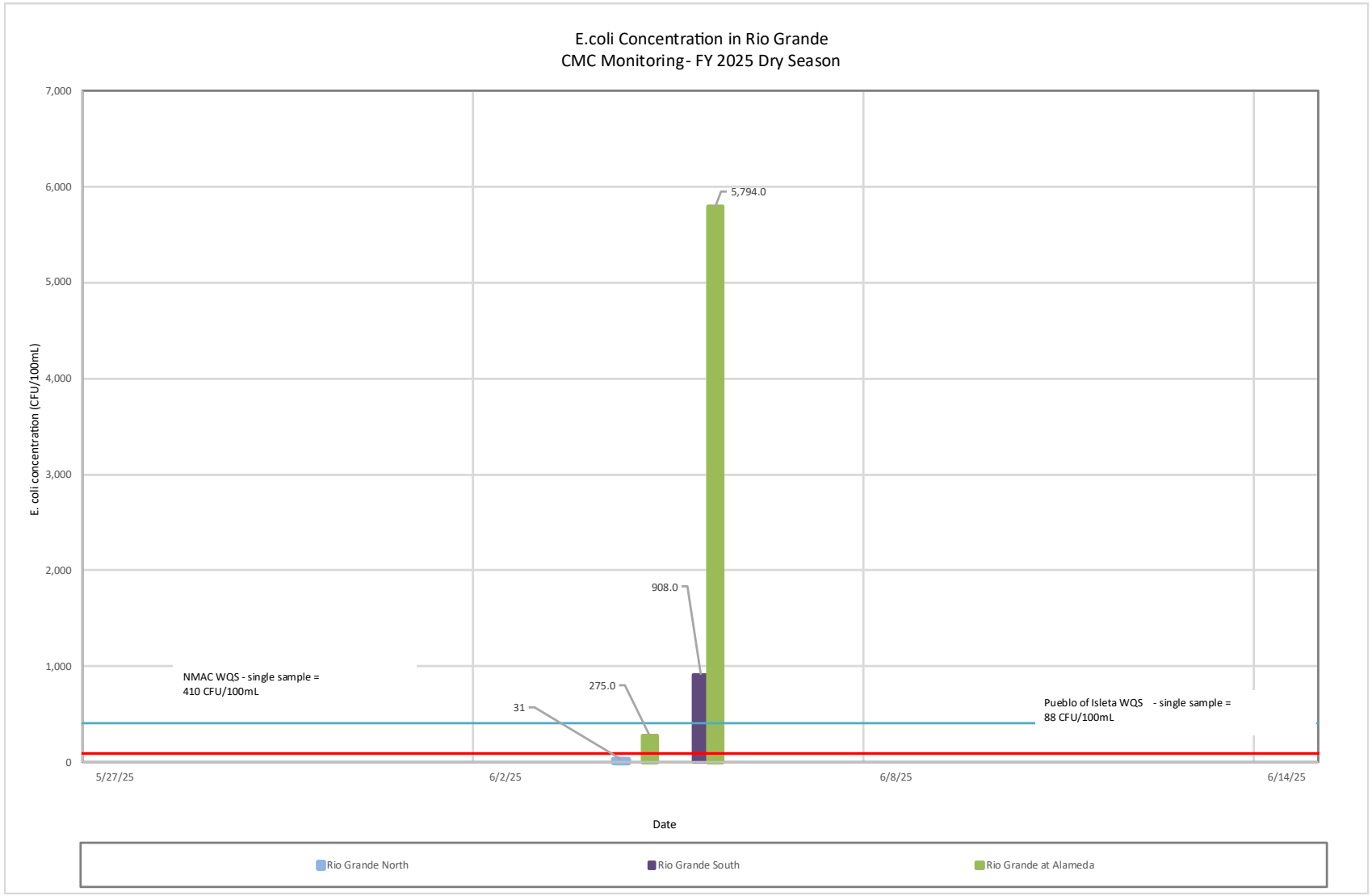



**Figure 3: E. coli Monitoring Results in Rio Grande**
**CMC Monitoring – FY 2025 Dry Season**

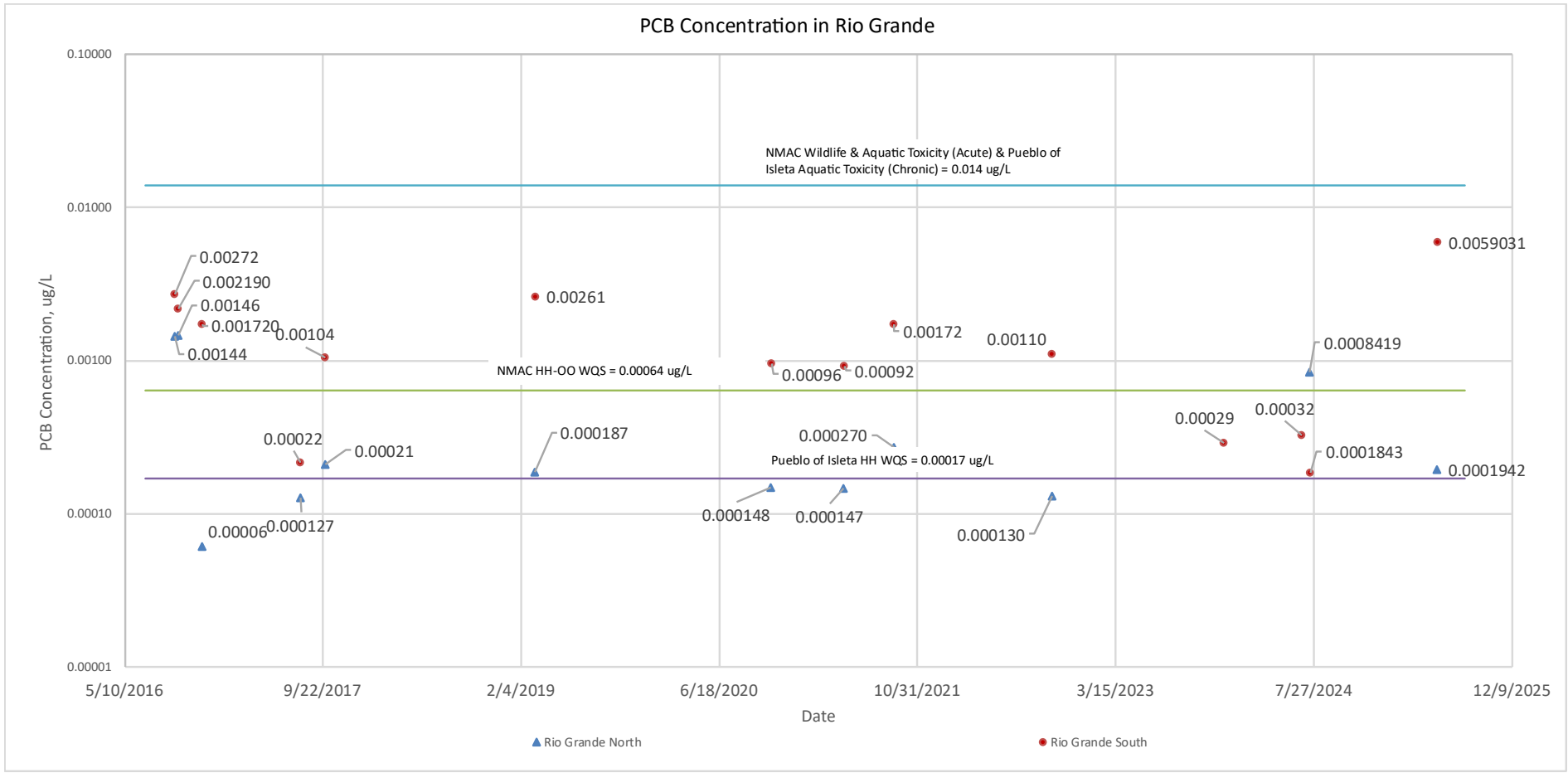



**Figure 4: PCB Monitoring Results in Rio Grande**
**CMC Monitoring – 2016 - 2025**

## Gross Alpha, Adjusted:

The June 5, 2025 Rio Grande South sample exceeded the New Mexico and Pueblo of Isleta WQSs for gross alpha, adjusted. The June 4, 2025 Rio Grande North sample did not exceed the New Mexico and Pueblo of Isleta WQSs for gross alpha. Typically, gross alpha, adjusted, is lower than the gross alpha value so there is no concern with the values provided and reported. The WQS for gross alpha, adjusted, is the same value for both the NMAC 20.6.4 Water Quality Criterion and Pueblo of Isleta. The WQS of 15 pCi/L ("pCi/L" means picocuries per liter) is a general standard for the Pueblo of Isleta; for New Mexico it is based on Domestic Water Supply and Livestock Watering designated uses.

The last exceedance for gross alpha, adjusted for CMC sampling was reported for the October 6, 2022, Rio Grande South sample. With the June 5, 2025 additional exceedance, the CMC will discuss the results further and may consult NMED for further guidance.

## Dissolved Oxygen (DO) and Temperature:

Two (2) of the water quality parameters are specifically worth mentioning in this memo because they are listed in the WSB MS4 Permit, Part I.C.1 – Special Conditions: dissolved oxygen (DO) and temperature. The DO and temperature parameters did not have any surface water quality exceedances during the FY 2025 dry season sampling.

DO is a water quality concern in the Rio Grande if it is below 5 mg/L. For the June 4, 2025 Rio Grande North sample, INTERA informed AMAFCA that the DO and temperature meter was not functioning properly and a new meter was purchased for the June 5, 2025 Rio Grande South sample. Field parameters were not taken for the June 4 and June 5, 2025 Alameda samples due to miscommunication.

This field data provides the MS4s with specific monitoring data showing that stormwater did not cause or contribute to exceedances of applicable DO WQSs in the Rio Grande from any of the CMC samples from FY 2016 to FY 2025. Refer to Figure 5 for CMC DO results and comparison to applicable WQSs.

Temperature is listed in the WSB MS4 Permit as a special condition (currently only applicable to the City of Albuquerque and AMAFCA). Past data submitted to EPA and NMED by the MS4 permittees have proven that stormwater discharges into the Rio Grande are not raising the Rio Grande temperature above the WQSs. The data collected during this FY 2025 dry season monitoring also supports this conclusion. All the temperature field readings taken from the Rio Grande during the CMC FY 2025 dry season were below 32.2°C (90°F), which is the WQS for the State of New Mexico and for the Isleta and Sandia Pueblos. Refer to Figure 6 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from FY 2016 to FY 2025.

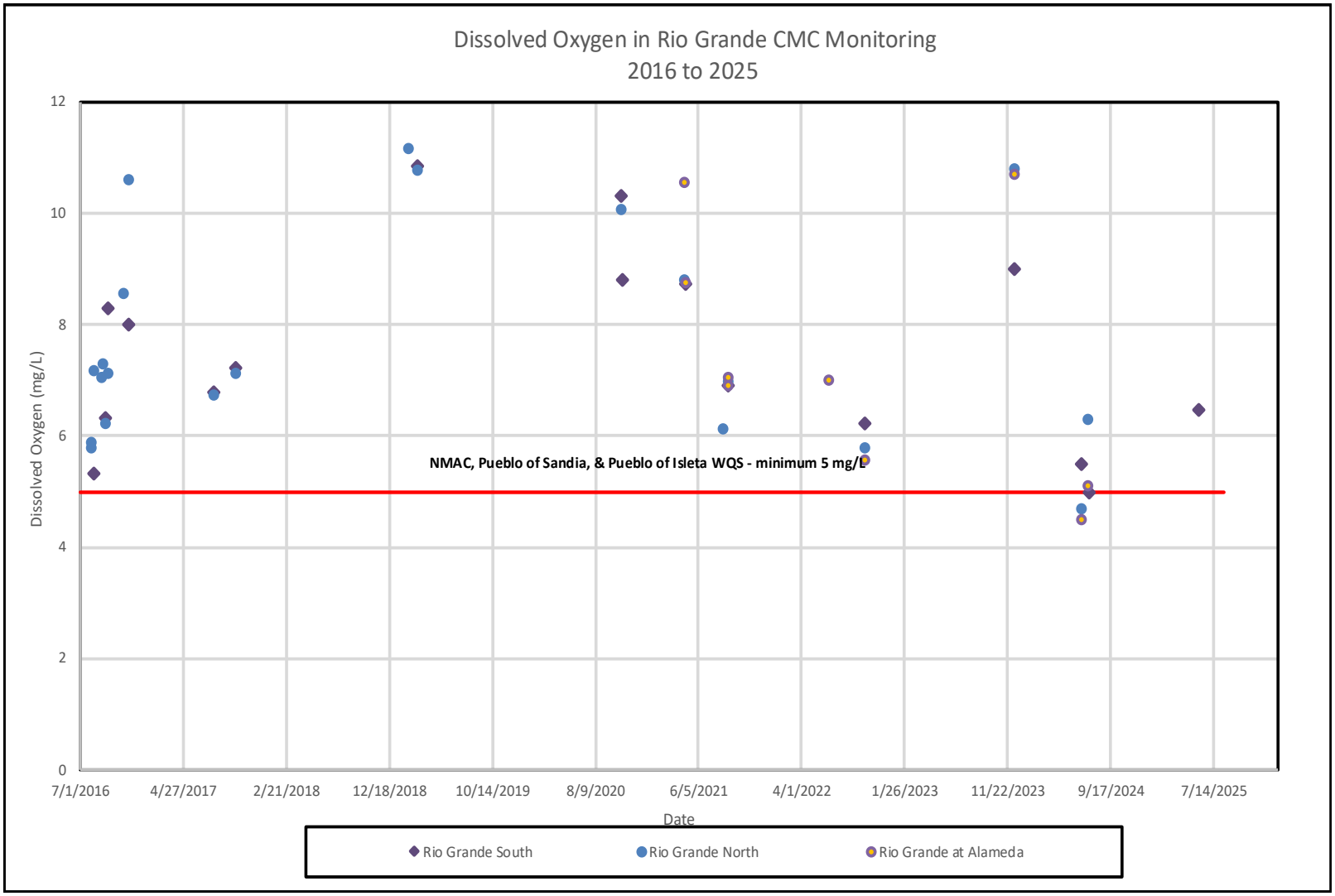



**Figure 5: Dissolved Oxygen (DO) Monitoring Results in the Rio Grande CMC Monitoring – FY 2016 – FY 2025**

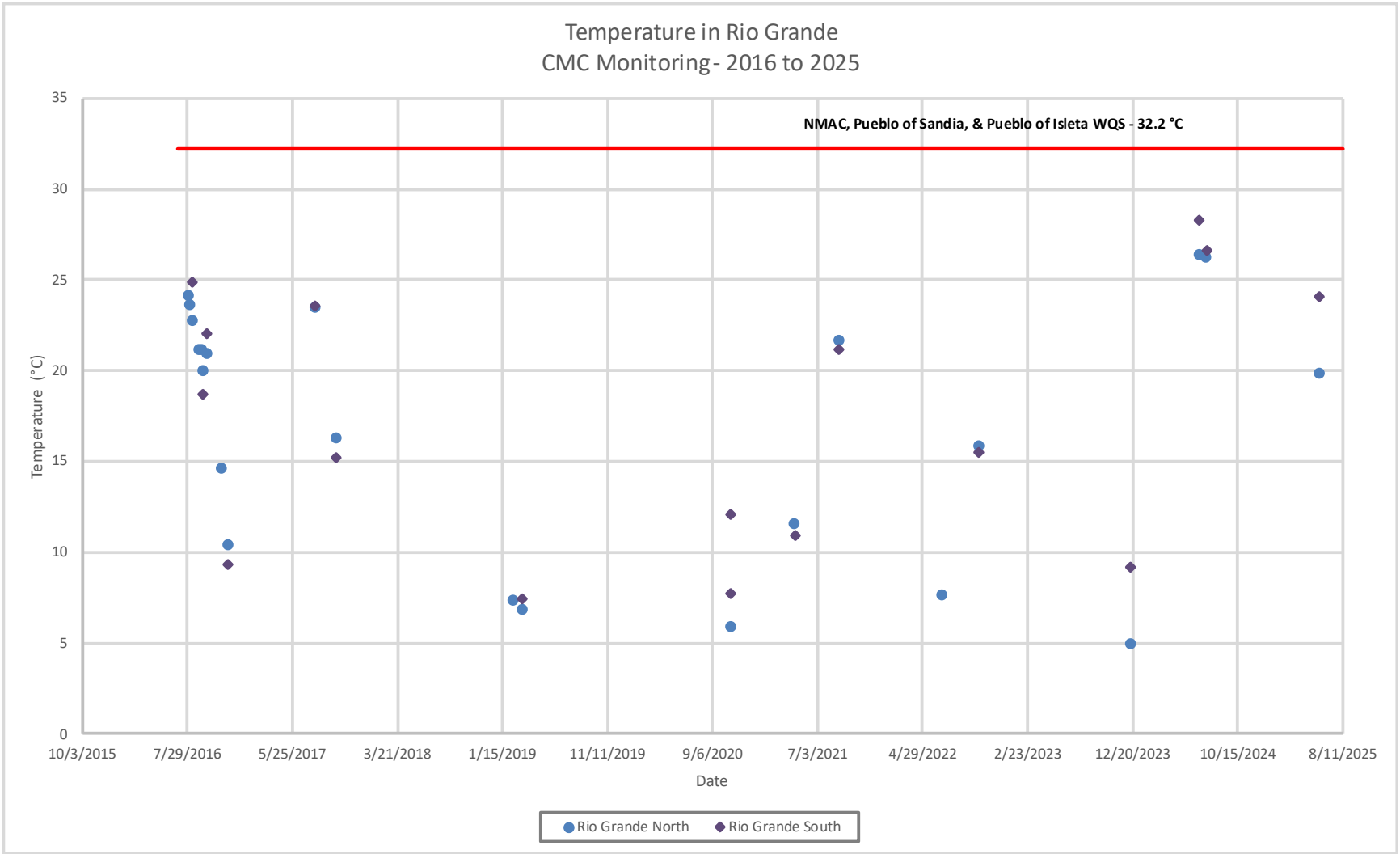



**Figure 6: Temperature Monitoring Results in the Rio Grande**
**CMC Monitoring – FY 2016 – FY 2025**

## CMC FY 2025 DRY SEASON E. COLI LOADING CALCULATIONS AND WASTE LOAD ALLOCATION (WLA)

Related to assessing the stormwater results, the E. coli loading was calculated and compared to the aggregate TMDL WLA for the CMC group. A TMDL is the maximum amount of a pollutant (E. coli in this case) that a water body (Rio Grande) can assimilate on a daily basis without violating applicable surface WQSs. The total TMDL for a stream segment consists of the multiple WLAs for point sources, non-point sources, and natural sources, plus a margin of safety. The CMC MS4 allotted WLA was determined in the EPA Approved, *Total Maximum Daily Load for the Middle Rio Grande Watershed*, June 30, 2010, and subsequent communications with NMED. The WLA varies by flow condition in the Rio Grande and by stream segment.

E. coli loading calculations and comparison to the WLA follows the WSB MS4 Permit requirements in *Discharges to Water Quality Impaired Water Bodies with an Approved TMDL*, *Part I.C.2.b.(i).(c).B*, *Appendix B-Total Maximum Daily Loads* (TMDLs) Tables of the WSB MS4 Permit, and the NMED guidance provided to the CMC. Attached to this memo is the WLA Calculation spreadsheet, which steps through the E. coli loading calculations and assumptions comparing the calculated E. coli loading to the CMC aggregate WLA defined by NMED.

There are two (2) stream segments defined in the WSB MS4 Permit (Appendix B): Isleta Pueblo Boundary to Alameda Street Bridge (Stream Segment 2105_50) and Non-Pueblo Alameda Bridge to Angostura Diversion (Stream Segment 2105.1_00). These stream segments differ from NMED's current stream segments defined in the *2022-2024 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, April 2022) and *Draft 2024-2026 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, December 2023). NMED currently has four (4) stream segments instead of the two (2) WSB MS4 stream segments. These various stream segment designations are shown in Figure 6, page 16.

The *NMED 303(d)/305(b) 2022-2024* and *Draft 2024-2026 Integrated Report* tables show the most recent assessment results, and currently all segments of the Rio Grande (Isleta to Angostura Diversion) are impaired for E. coli and have a TMDL for E. coli.

The E. coli daily loading associated with the CMC group and comparison to the NMED WLA was completed for the one (1) qualifying dry season storm event – June 4-5, 2025. For this event, the CMC obtained two (2) E. coli samples in the Rio Grande at Alameda location and used both sample results to calculate the E. coli loading for the two (2) river segments. This is the first time that two (2) samples were taken from the same location for one (1) storm event; one (1) pre-storm and one (1) during the storm event. The analysis compares the pre-storm value of the Rio Grande North sampling point with the storm event value of the Alameda sampling point and the pre-storm value of the Alameda sampling point with the storm event value of the Rio Grande South point. Refer to Table 5 on page 18 for a summary of the WLA comparison results. A spreadsheet that provides detailed WLA calculations is submitted with this memo.

**Table 5: Summary of CMC E. Coli Loading Compared to WLA**

| Date / Stream Segment | Daily Mean Flow (cfs) | Flow Conditions (cfs) *range defined by NMED* | CMC Daily E. coli Loading (CFU/day) | NMED WLA for CMC for Stream Segment and Flow Conditions | Loading Compared to WLA Potential Exceedance or Acceptable |
|---|---|---|---|---|---|
| **June 4-5, 2025 –**<br>Rio Grande North E. coli Concentration 6/4/2025 = 30.5 MPN (CFU/100 mL)<br>Rio Grande at Alameda E. coli Concentration 6/4/2025 = 275 MPN (CFU/100 mL)<br>Rio Grande South E. coli Concentration 6/5/2025 = 908 MPN (CFU/100 mL)<br>Rio Grande at Alameda E. coli Concentration 6/5/2025 = 5,794 MPN (CFU/100 mL) | | | | | |
| Alameda to Angostura | 676 | Mid | -- | -- | WLA Acceptable |
| Isleta to Alameda | 617 | Dry | 3.91E+11 | 1.57E+10 | WLA Potential Exceedance |

As Table 5 illustrates, the calculated E. coli loading for the June 4-5, 2025 storm event, for the northern segment (Alameda to Angostura) was an acceptable WLA for the CMC MS4s. This is because there is not a defined WLA for a "Mid" flow condition in this stream segment. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda pre-storm compared to the Rio Grande South E. coli results obtained during the storm event.

The WSB MS4 Permit implies that the WLA is a measurable goal for the MS4s related to E. coli. Based on extensive review of the EPA Approved, *Total Maximum Daily Load (TMDL) for the Middle Rio Grande Watershed [TMDL Report]*, June 30, 2010, this seems to be an unattainable goal for MS4s.

Page 40 of the 2010 *TMDL Report* states, "It is important to remember that the TMDL is a planning tool to be used to achieve water quality standards…Meeting the calculated TMDL may be a difficult objective." The TMDL/WLA was calculated by NMED to meet the Pueblos of Sandia and Isleta geometric mean maximum of 47 CFU/100 mL, which was done to be "protective of downstream waters" and "to provide an implicit margin of safety (MOS)". A single grab sample E. coli result meeting this very low geometric means WQSs will be very difficult for the MS4s to obtain.

The CMC members discussed the difficulty of using the WLA as a measurable goal with NMED on February 1, 2017. NMED explained that exceeding the WLA does not trigger enforcement. However, NMED strongly encouraged the MS4s to document what they are doing once they realize the WLA is potentially exceeded. The meeting on February 1, 2017, and the CMC discussion with NMED on February 16, 2017, demonstrate CMC members are working toward understanding the WLA. In addition, the CMC members began implementing a refinement to the sampling plan discussed with NMED by obtaining an E. coli sample in the Rio Grande at Alameda effective in FY 2018, as feasible. This demonstrates that the CMC is continuing to investigate the potential exceedances and make improvements to monitor E. coli in the Rio Grande.

## DATA ENTRY FOR DISCHARGE MONITORING REPORTS

The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required a minimum of seven (7) storm events be sampled at both the Rio Grande North and Rio Grande South locations. All MS4 Permit required samples have been obtained by the CMC and verified stormwater quality data from these required events have been submitted to the EPA using electronic Discharge Monitoring Report (DMR) forms. Data from the DMRs are uploaded to a comprehensive nationwide database that contains discharge data for facilities and other point sources that discharge directly to receiving streams. For this task, BHI has not completed any data entry related to the EPA DMRs for the FY 2025 dry season.

## CONCLUSIONS AND PLANNING

During the FY 2025 dry season (November 1, 2024 to June 30, 2025), four (4) stormwater samples from one (1) qualifying storm event was obtained by the CMC. Lab results were received, and this data has been entered into the CMC Excel database. The lab data entered is marked in the spreadsheet as "V" (verified), and data V&V has been completed (refer to Attachment 2).

To summarize, monitoring results and E. coli loading calculations for the FY 2025 dry season show that:

- The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. All MS4 Permit required samples have been obtained by the CMC, as well several samples collected during Administrative Continuance, including the four (4) samples obtained in the FY 2025 dry season, as reported in this memo.
- For the FY 2025 dry season, 17 parameters were not detected in the samples at either the Rio Grande North or Rio Grande South locations for the June 2025 storm event.
- Temperature results have met the applicable WQSs for all the CMC samples to date. All temperature results were less than 32.2°C (maximum WQS).
- The PCB results were below the New Mexico Surface WQSs for designated uses, including acute aquatic life, and chronic aquatic life. However, the Rio Grande North and the Rio Grande South CMC samples from June 4, 2025 and June 5, 2025 respectively, were above the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters. The Rio Grande South location was above both the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters and NMAC HH-OO criteria.
- The calculated E. coli loading for the June 4-5, 2025 storm event for the north segment (Alameda to Angostura) was acceptable for the WLA for the CMC MS4s because there is not a defined WLA for a "Mid" flow condition in this stream segment. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.
    - Sources for the E. coli loading measured in the river are not solely attributable to the CMC MS4 members; the E. coli loading calculations serve to provide a reasonable estimate of the CMC contribution to the measured E. coli loading.

SG/ab

Attachments:

Attachment 1 – INTERA Field Data & Eurofins Environment Testing Environmental Analysis Laboratory Reports with BHI Notes for FY 2025 Dry Season

Attachment 2 – FY 2025 Dry Season Completed Data Verification and Validation (V&V) Forms

Spreadsheets Included Separately:

E. coli Loading and Comparison to Waste Load Allocation (WLA) Excel Spreadsheet

Excel CMC Spreadsheet with FY 2025 Dry Season Stormwater Quality Monitoring Results

# ATTACHMENT 1

# INTERA FIELD DATA & EUROFINS ENVIRONMENT TESTING LABORATORY REPORTS WITH BHI NOTES FOR FY 2025 DRY SEASON

**CMC Water Quality Results Database**
**FY 2017 -FY 2025**
Date: August 13, 2025
Summary of Lab Results for CMC samples

| | | | NMAC 20.6.4 Water Quality Criterion | | Pueblo of Sandia Water Quality Criterion | | Isleta Pueblo Water Quality Criterion | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Parameter** | **Permit Required Units** | **MQL - 2014 WQS Permit Appendix F** | **Basic (Rio Grande Basin - designated uses: irrigation, marginal warmwater aquatic life, livestock watering, public water supply, wildlife habitat, and primary contact)** | **WQS Concentration** | **Pueblo of Sandia, Nov. 2008 (use- general stds. and uses as defined for AMAFCA NDC) based on 2010 EPA Approved, March 9, 2010 Amended Surface Water Quality Standards. AMAFCA NDC uses: 1) warm water aquatic life/fishery use, 2) cool water aquatic life/fishery use, 3) primary contact recreational use, 4) secondary contact recreational use, and 5) wildlife habitat use)** | **Sandia Pueblo Concentration** | **Isleta Pueblo (use- general stds. or use as defined for Rio Grande) based on 2005 EPA Approved, March 18, 2002 Amended Surface Water Quality Standards. Rio Grande uses: 1) warmwater fishery use, 2) primary contact ceremonial use, 3) primary contact recreational use, 4) agricultural water supply use, 5) industrial water supply use, and 6) wildlife habitat** | **WQS Concentration** | **Sample Type** | **Analysis Method** | **Provisional or Verified** | **2025 CMC SAMPLE - EXTRA NORTH Collection Date 6/4/2025 Dry Season Sample** | **Qualifier** | **Check compared to Water Quality Criterion** | **Provisional or Verified** | **2025 CMC SAMPLE - EXTRA SOUTH Collection Date 6/03/2025 Dry Season Sample** | **Qualifier** | **Check compared to Water Quality Criterion** | **Provisional or Verified** | **2025 CMC SAMPLE - EXTRA ALAMEDA Collection Date 6/04/25 Dry Season Sample (Pre-Storm)** | **Qualifier** | **Check compared to Water Quality Criterion** | **Provisional or Verified** | **2025 CMC SAMPLE - EXTRA ALAMEDA Collection Date 6/05/25 Dry Season Sample (During Storm)** | **Qualifier** | **Check compared to Water Quality Criterion** |
| **Total Suspended Solids (TSS)** | mg/L | -- | Listed in general criteria, no numeric standard | -- | -- | -- | Isleta (addressed turbidity, but no numeric criteria for TSS) | -- | Composite | SM 2540D | | | | | | | | | | | | | | | | | |
| **Total Dissolved Solids (TDS)** | mg/L | -- | Rio Grande Basin (at mean monthly flow above 100 cfs) | 1,500 | -- | 500 | Isleta (General Standards, Section II.K, p. 9 - Increase of more than 1/3 over naturally occurring levels is not permitted) | This spreadsheet is not addressing this narrative standard | Composite | SM2540C MOD | Y | 210 | | OK | Y | 260 | H | OK | | | | | | | | | | |
| **Chemical Oxygen Demand (COD)** | mg/L | -- | -- | -- | -- | -- | -- | -- | Composite | EPA 410.4 | Y | ND | | -- | Y | ND | | -- | | | | | | | | | |
| **Biochemical Oxygen Demand (BOD 5)** | mg/L | -- | -- | -- | -- | -- | -- | -- | Composite | SM5210B | Y | ND | | -- | Y | 2.9 | | -- | | | | | | | | | |
| **Dissolved Oxygen (DO)** | mg/L | -- | Mixed Warmwater Aquatic | 5 | Sandia (General Standards, Part II.M, p. 11) & p. 28 for NDC | 5 | Isleta (Warmwater Fishery Use, p.10; General Standards, Section II.H & M, p. 9 ) | 5 | Grab | FIELD | Y | No Data | | OK | Y | 6.48 | | OK | V | No Data | | -- | V | No Data | | -- | V | No Data | | -- |
| **Oil and Grease (N-Hexane Extractable Material)** | mg/L | -- | Listed in general criteria, no numeric standard | -- | Sandia (General Standards, Section III.B, p. 9), maximum (15 mg/L) listed as WQS - there is also an ave. of 10 mg/L listed | 15 | Isleta (General Standards, guidelines, Section II.B, p. 7, Instantaneous maximum (15 mg/L) listed as WQS - there is also a weekly ave. max. of 10 mg/L WQS) | 15 | Grab | EPA 1664A | Y | ND | | OK | Y | ND | | OK | | | | | | | | | | |
| **E. coli** | MPN (CFU/100 mL) | -- | Section 20.6.4.900.D Primary Contact Single Sample Geometric means values not used here for WQS comparison since typ. have only single sample, Geometric mean maximum = 126 CFU/100 ml. | 410 | Sandia - for NDC (p. 28): [A/1 - SF(S)], geometric mean maximum = 47 colonies/100 ml , single sample = 88 colonies/100 ml Sandia (October 1 to March 31) - secondary contact recreation use applies geometric mean maximum = 126 colonies/100 ml, single sample =235 colonies/100 ml | 88 | Isleta (primary contact ceremonial use, p. 11; primary contact recreational use, p. 11). Based on single sample maximum. Geometric means values not used here for WQS comparison since typ. have only single sample. Geometric mean maximum = 47 CFU/100 ml. | 88 | Grab | SM 9223B Fecal Indicator | Y | 10.5 | | OK | Y | 908.0 | | >WQ Standard | V | 275 | | >WQ Standard | V | 5,704 | | >WQ Standard |
| **pH** | S.U. | -- | Primary Contact & Mar. Warmwater Aquatic | 6.6 - 9 | Sandia (for AMAFCA NDC), p. 28 | 6-9 | Isleta (6-9 range for warmwater fishery use, p. 10; 6-9 for primary contact recreational use, p. 11). Also have a narrative (p. 9) "The pH of a water body shall not be permitted to fluctuate in excess of 1.0 unit over a period of 24 hours for other than natural causes." | 6.6-9 | Grab | FIELD | Y | 8.4373 | | OK | Y | 7.61 | | OK | V | No Data | | -- | V | No Data | | -- |
| **Total Kjeldahl Nitrogen (TKN)** | mg/L | -- | -- | -- | -- | -- | -- | -- | Composite | SM 4500 | Y | ND | | -- | Y | 1.3 | | -- | | | | | | | | | |
| **Nitrate plus Nitrite** | mg/L | -- | Livestock watering (unfiltered sample) | 132 | -- | -- | -- | -- | Composite | EPA 300.0 Anions | Y | 0.13 | | OK | Y | 0.3 | | OK | | | | | | | | | |
| **Dissolved Phosphorous** | mg/L | -- | -- | -- | -- | -- | -- | -- | Composite | EPA 365.1, Filtered sample | Y | ND | | -- | Y | 0.15 | | -- | | | | | | | | | |
| **Ammonia (mg/L as N)** | mg/L | -- | Acute and chronic aquatic life criteria in the presence of fish early life stages, dependent on pH. See section 20.6.4.900.E and I. | Need to look at Tables in NMAC 20.6.4.900.E & I. Need to check WQ flag by hand- not automated with equation. | Sandia (Appendix A, lookup tables - temperature and pH dependent). If any value reported, must look at tables. | Need to look at Appendix B to determine WQS. Need to check WQ flag by hand- not automated with equation. | Isleta (Append. H , lookup tables based on pH and temperature). If any value reported, must look at tables. Chronic criteria should not be exceeded more than once in any three year period. Acute criteria more fitting for CMC sampling. | Need to look at Appendix H to determine WQS. Need to check WQ flag by hand- not automated with equation. | Composite | SM 4500-NH3 | Y | 0.28 | J | N/A | Y | 0.28 | J | OK | | | | | | | | | |
| **Total Nitrogen** | mg/L | -- | -- | -- | Sandia (General Standards, Section N pg. 11) | Levels should be above 110% saturation | Isleta (Section IV.D Primary Contact Ceremonial Use, p. 11) | 10 | Composite | -- | Y | 0.13 | J | OK | Y | 2.00 | | OK | | | | | | | | | |
| **Total Phosphorous** | mg/L | -- | -- | -- | Sandia (General Standards, Part II.C, p.9-10, for streams < 100 ug/L - Guideline, except for highly sediment laden waters) Not applying to these samples. Downstream of Sandia and Rio Grande is sediment laden. | -- | -- | -- | Composite | EPA 365.1 | Y | 0.061 | | -- | Y | 0.71 | | -- | | | | | | | | | |
| **PCBs (screening - used method 608)** | µg/L | 0.2 | Wildlife Habitat & Aquatic Life (Chronic)=0.014 ug/L; Human health criteria = 0.00064 ug/L; DWS = 0.5 ug/L | 0.00064 | | | Isleta (Section IV.I Wildlife Usage, p. 13, PCBs = 24 ng/L =0.074 ug/L; Append. I. Toxic Substances, pg. 26, Chronic toxicity = 0.014 ug/L and human health criteria = 0.17 ng/L=0.00017 ug/L) | 0.00017 | Composite | EPA 608 | | | | | | | | | | | | | | | | | | |
| **PCBS - (LOD0064 (Method 1668A - sum of all congeners)** | µg/L | 0.2 | Wildlife Habitat & Aquatic Life (Chronic)=0.014 ug/L; Human health criteria = 0.00064 ug/L; DWS = 0.5 ug/L | 0.00064 | Sandia, Appendix B, p. 5/8 - Chronic = 0.014 ug/L Human Health Criteria, fish consumption = 0.00064 ug/L. | 0.00064 | Isleta (Section IV.I Wildlife Usage, p. 13, PCBs = 24 ng/L =0.074 ug/L; Append. I. Toxic Substances, pg. 26, Chronic toxicity = 0.014 ug/L and human health criteria = 0.17 ng/L=0.00017 ug/L) | 0.00017 | Grab | EPA 1668 | Y | 0.0001542 | J,B-q | >WQ Standard | Y | 0.0859031 | J, B-q | >WQ Standard | | | | | | | | | |
| **Gross Alpha, Adjusted** | pCi/L | N/A | DWS - Domestic Water Supply and LW - livestock watering | WQS = 15 Because of confidence reporting, need to check WQ flag by hand- not automated with equation. | Sandia (General Standards, Section II.J, pg. 10) | 15 | Isleta (General Standards, Section II.J, pg. 9- listed as gross alpha (not adjusted)) | WQS = 15 Because of confidence reporting, need to check WQ flag by hand- not automated with equation. | Composite | EPA 900.0 | Y | 1.24 | U | OK | Y | 18.3 | | >WQ Standard | | | | | | | | | |
| **Tetrahydrofuran** | µg/L | -- | -- | -- | -- | -- | -- | -- | Composite | EPA 8260 C | Y | ND | | -- | V | ND | H | -- | | | | | | | | | |
| **Benz[a]pyrene** | µg/L | 5 | DWS - Domestic Water Supply (0.2 ug/L) Aquatic Life HH-CO (0.18 ug/L) | 0.18 | -- | -- | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Benzo[b]fluoranthene (other name: 3,4-Benzofluoranthene)** | µg/L | 10 | DWS - Domestic Water Supply | 0.049 | -- | -- | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Benzo[k]fluoranthene** | µg/L | 5 | DWS - Domestic Water Supply | 0.049 | -- | -- | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Chrysene** | µg/L | 5 | DWS - Domestic Water Supply | 0.049 | -- | -- | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Indeno[1,2,3-cd]Pyrene** | µg/L | 5 | DWS - Domestic Water Supply | 0.049 | Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption | 0.018 | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Dieldrin** | µg/L | 0.02 | DWS - Domestic Water Supply HH-CO | 0.022 0.00054 | Sandia, Appendix B, p. 5/8 - Acute = 0.24 ug/L, Chronic = 0.056 ug/L, Human Health Criteria, fish consumption = 0.000054 ug/L | 0.000054 | -- | -- | Composite | EPA 689 | Y | ND | | OK | Y | ND | *+ | OK | | | | | | | | | |
| **Pentachlorophenol** | µg/L | 5 | DWS - Domestic Water Supply Aquatic Life (acute/chronic)[2] HH-CO | 1 19/15 10 | Sandia, Appendix B, p. 5/8 - Acute and Chronic are Equation based on PH, Human Health Criteria, water consumption = 1 ug/L | Eqn. based on pH - need to look in WQS document | Isleta (odor & taste, general stds, Section II.D, pg. 7 and Appendix I) | 30 | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Bendrine** | µg/L | 50 | DWS - Domestic Water Supply | 0.0815 | -- | -- | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Benz(a)anthracene** | µg/L | 5 | DWS - Domestic Water Supply | 0.049 | -- | -- | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Dibenzofuran** | µg/L | -- | -- | -- | -- | -- | -- | -- | Composite | EPA 625 | Y | ND | | -- | V | ND | | -- | | | | | | | | | |
| **Dibenz(a,h)anthracene** | µg/L | 5 | DWS - Domestic Water Supply | 0.049 | Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption | 0.018 | -- | -- | Composite | EPA 625 | Y | ND | | OK | V | ND | | OK | | | | | | | | | |
| **Chromium VI (Hexavalent)** | µg/L | 10 | Aquatic Life (acute/chronic)[2] | 16 / 11 | Sandia, Appendix B, pg. 2/8 (acute = 15.70 ug/L; chronic = 11.36 ug/L); Human Health Criteria, water consumption = 100 ug/L | 15.71 / 11.36 | Isleta - only dissolved Chromium listed, not Chromium VI | -- | Composite | 3500Cr-2011 | Y | 0.071 | J | OK | Y | 0.072 | J | OK | | | | | | | | | |
| **Dissolved Copper** | µg/L | 0.5 | Aquatic Life (acute/chronic)[2] Toxicity Equations based on hardness. WQS Criteria uses lookup table based on hardness. Irrigation | 12 / 8 [Acute / Chronic] values listed here are based on a hardness of 50 mg/L - actual WQS is hardness dependent. 200 | Sandia, Appendix B, p 2/8 -acute/chronic based on equations; Human Health Criteria, Fish Consumption = 1000 ug/L | Eqn. based on hardness | Appendix K has Aquatic Life Acute and Chronic Toxicity Equations based on hardness - very similar to NM WQSs. WQS Criteria uses lookup table based on hardness. Isleta (Agricultural Use, p. 13 - livestock - listed as 0.5 mg/L in WQS converted to ug/L units to match reporting). Also total copper criteria listed in (Appendix I (not applicable). | 12.2 / 8.2 (Acute / Chronic) values listed here are based on a hardness of 50 mg/L - actual WQS is hardness dependent. 500 | Composite | EPA 200.8 | Y | 0.37 | | OK | Y | 0.94 | | OK | | | | | | | | | |
| **Dissolved Lead** | µg/L | 0.5 | Aquatic Life (acute/chronic)[2] Toxicity Equations based on hardness. WQS Criteria uses lookup table based on hardness. DWS - Domestic Water Supply | 56 / 2 [Acute / Chronic] values listed here are based on a hardness of 50 mg/L - actual WQS is hardness dependent. 15 | Sandia , Appendix B, p 4/8 -acute/chronic based on equations; | Eqn. based on hardness | Isleta (Append. I, Toxic Substances, pg. 23, Chronic and Acute toxicity eqns, dependent on hardness) - check lookup table for any reported values | 53/2 (Acute / Chronic) values listed here are based on a hardness of 90 mg/L - actual WQS is hardness dependent. | Composite | EPA 200.8 | Y | ND | | OK | Y | ND | | OK | | | | | | | | | |
| **Bis (2-ethylhexyl) Phthalate (other names: DEP- ethylhexyl)phthalate, DEHP) - 2.2** | µg/L | 10 | DWS - Domestic Water Supply | 6 | Sandia, Appendix B, p. 5/8 - Human Health Criteria, fish consumption | 2.2 | Isleta (Append. I, Toxic Substances, pg. 23) | 3.9 | Composite | EPA 625 | Y | ND | | OK | V | ND | *+ | OK | | | | | | | | | |
| **Conductivity** | umhos/cm | -- | -- | -- | -- | -- | -- | -- | Grab | FIELD | Y | No Data | | -- | Y | 140.75 | | -- | V | No Data | | -- | V | No Data | | -- | V | No Data | | -- |
| **Temperature** | °C | -- | Mixed Warmwater Aquatic | 32.2 max | Sandia (warm water aquatic life/fisheries) Sandia (Cool water Aq Life- applies to MIC only), p. 28 | 32.2 max 25 max | Isleta (General Standards Section II.J, pg. 9- Section IV.C. Warmwater Fishery Use, pg. 10 ) | 32.2 max | Grab | FIELD | Y | 19.9 | | OK | Y | 24.1 | | OK | V | No Data | | -- | V | No Data | | -- | | | | |
| **Hardness (as CaCO3)** | mg/L | -- | -- | -- | -- | -- | -- | -- | Grab | SM2340B | Y | 110 | | -- | Y | 240 | | -- | | | | | | | | | |
| **Mercury** | µg/l | -- | -- | -- | Sandia - wildlife habitat (p. 21) = 0.77 ug/L, Appendix B - p. 4/8 acute = 2.4 ug/L and chronic = 0.012 ug/L; Human Health Criteria, fish | 0.012 | -- | -- | Composite | -- | | | | | | | | | | | | | | | | | | |
| **PFA (6)** | ppt (ng/L) | | | 20 | | 20 | | 20 | | EPA Draft 4- 3653 | Y | 0.68 | J1 | OK | Y | 1.8 | J | OK | | | | | | | | | |
| **PFA (6) (Filtered)** | ppt (ng/L) | | | 20 | | 20 | | 20 | | | | | | | | | | | | | | | | | | | |

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**Data Verification/Validation and Qualifier Notes:**
(H) The sample results are unusable because certain criteria were not met. The analyte may or may not be present in the sample.
(H+) Sample holding time exceeded.
(J) The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
(J1) Sample was diluted by Lab due to matrix
(U) Analyte was analyzed for , but not detected above the specified detection limit.

**Notes:**
1. Wet Season monitoring period - July 1 to October 31 and Dry Season monitoring period - November 1 to June 30 according to the Watershed Based MS4 Permit NMR04A000.

2. Water Quality Criterion from 20.6.4NMAC Rio Grande basin - section 20.6.4.135: For a mean monthly flow of 100 cfs, monthly average concentration for TDS 1,320 mg/l or less, sulfate 530 mg/L or less, and chloride 250 mg/L or less.
3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/L as CaCO3) in the water body. Values displayed for the water quality criterion correspond to a total hardness of 50 mg/L as CaCO3. This is the mean hardness used by the USGS in their statistical analysis of water quality data in the Middle Rio Grande. According to NMAC 20.6.4.12.A, compliance with aquatic water quality criteria shall be determined from
4. According to NMAC 20.6.4.7, coli bacteria for Primary Contact - monthly geometric mean of 126 CFU/100 ml, and single sample of 410 CFU/100 ml.

5. Water quality criterion for metals is based on dissolved metals, NMAC 20.6.4.900.I and individual sample results compared to acute toxicity values.

6. Eurofins lab method: SM 9223B Fecal Indicator. Note - lab method for units of MPN/100 ml, lab report uses units CFU/100 ml, for this analysis assuming two units are equivalent based on Feb. 26, 2014 NMED Memo "Triennial Review - Most probable number (MPN)/colony forming units (CFU) enumeration methods and probable standards reporting revision".
7. PFA 6 is for the sum of 6 PFAS in drinking water; these compounds
are PFOA, PFOS, PFNA, PFHpA, PFHxS and PFDA

ND - analyte not detected above the laboratory method detection limit
NA - not analyzed
Hatching also indicates that parameter was not analyzed

National recommended WQ criteria Human Health:
https://www.epa.gov/wqc/national-recommended-water-quality-criteria-human-health-criteria-table

**From:** Patrick Chavez <pchavez@amafca.org>
**Sent:** Monday, July 21, 2025 1:05 PM
**To:** Sarah Ganley <sganley@bhinc.com>
**Subject:** FW: AMAFCA Aqueous Samples

No DO and no Alameda WQ field parameters – see below.

Patrick J. Chavez, MSCE, PE, LEED AP+
Storm Water Quality Engineer
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**From:** Joseph J. Tracy <jtracy@intera.com>
**Sent:** Monday, July 21, 2025 10:54 AM
**To:** Patrick Chavez <pchavez@amafca.org>; Zachary Chavez <zchavez@intera.com>
**Cc:** James P. Joseph <jjoseph@intera.com>
**Subject:** RE: AMAFCA Aqueous Samples

Hi Patrick – I spoke with Zach this morning to get answers to your questions.

We did not collect pH and DO on 6/4 because our meter wasn't working properly so we purchased a new meter for the 6/5 sampling event.

We did not take field parameters for the Alameda sample. Our sampling team did not think they needed to collect field parameters because it was a grab sample. I explained to them that they need to collect field parameters regardless of if it is a grab sample or a primary sample. Please let me know if you have any questions or require any additional information. Thank you,

Joe

INTERA

**Joseph J. Tracy**
Senior Vice President, Principal Geologist
**INTERA Incorporated**

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**From:** Patrick Chavez <pchavez@amafca.org>
**Sent:** Monday, July 21, 2025 9:09 AM
**To:** Zachary Chavez <zchavez@intera.com>
**Cc:** James P. Joseph <jjoseph@intera.com>; Joseph J. Tracy <jtracy@intera.com>
**Subject:** RE: AMAFCA Aqueous Samples

Zach:

Two questions - Looks like there are not values for DO and conductivity for the 6/4 sampling event? Also, were field parameters collected for the Alameda sample?

Patrick J. Chavez, MSCE, PE, LEED AP+
Storm Water Quality Engineer
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**From:** Zachary Chavez <zchavez@intera.com>
**Sent:** Friday, July 18, 2025 2:50 PM
**To:** Patrick Chavez <pchavez@amafca.org>
**Cc:** James P. Joseph <jjoseph@intera.com>; Joseph J. Tracy <jtracy@intera.com>
**Subject:** AMAFCA Aqueous Samples

Good afternoon,

Below is a summary of the field parameters measured during the June 2025 sampling event:

Sample RG-North20250604:
Sample time - 14:40
Sample date - 6-4-25

| Time | PH | Temperature (C) |
|---|---|---|
| 13:38 | 8.54 | 19.8 |
| 13:53 | 8.42 | 19.8 |
| 14:08 | 8.43 | 19.9 |
| 14:25 | 8.44 | 20.1 |

Sample RG-South20250605:

Sample RG-South20250605:
Sample time - 14:20
Sample date - 6-5-25

| Time | Temperature (C) | DO (mg/l) | PH | SPC (us/cm) | ORP | DO % |
|---|---|---|---|---|---|---|
| 13:32 | 24.2 | 6.28 | 6.71 | 464 | 165.5 | 74.8 |
| 13:47 | 23.9 | 6.34 | 7.85 | 408.3 | 154.0 | 72.4 |
| 14:02 | 24.1 | 6.83 | 7.91 | 405.6 | 146.0 | 81.3 |
| 14:17 | 24.2 | 6.48 | 7.97 | 401.5 | 101.5 | 77.4 |

Please let me know if you need any other information.

Thanks,
Zach


photo

**Zachary Chavez**
Geologist
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photo



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eurofins | Environment Testing

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Patrick Chavez
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect Ave NE
Albuquerque, New Mexico 87107

Generated 7/15/2025 10:04:39 AM

## JOB DESCRIPTION

CMC

## JOB NUMBER

885-26070-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



myEOL

## Job Notes

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

## Authorization



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7/15/2025 10:04:39 AM

Authorized for release by
Erin Munoz, Project Manager
Erin.Munoz@et.eurofinsus.com
(505)345-3975

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## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| p | The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### LCMS

| Qualifier | Qualifier Description |
|---|---|
| I | Value is EMPC (estimated maximum possible concentration). |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Dioxin

| Qualifier | Qualifier Description |
|---|---|
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| q | The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### General Chemistry

| Qualifier | Qualifier Description |
|---|---|
| HF | Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Rad

| Qualifier | Qualifier Description |
|---|---|
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |

## Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

**Job Narrative**
**885-26070-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

**Receipt**
The samples were received on 6/4/2025 4:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 17.0°C.

**Receipt Exceptions**
No dissolved bottles received for metal or WC. Had to pour off from unpreserved container to filter and preserve in-lab.

RG-North20250604 (885-26070-1), RG-Alameda20250604 (885-26070-2) and RG-North20250604-Filtered (885-26070-3)

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

**GC/MS Semi VOA**
Method 625.1_QQQ: The large number of analytes included in the continuing calibration verification (CCV) gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes of interest are outside the method-defined %D criteria.

Method 625.1_QQQ: The continuing calibration verification (CCV) associated with batch 860-241542 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 860-241542/2).

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

**Pesticides/PCBs**
Method 608.3: The surrogate recovery for the blank associated with preparation batch 860-241078 and analytical batch 860-241050 was outside the upper control limits.
(MB 860-241078/1-A)

Method 608.3: The surrogate recovery for the LCS/LCSD associated with preparation batch 860-241078 and analytical batch 860-241050 was outside the upper control limits.
(LCS 860-241078/2-A) and (LCSD 860-241078/3-A)

Method 608.3: The continuing calibration verification (CCV) associated with batch 860-241050 recovered above the upper control limit for DCB Decachlorobiphenyl (Surr). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 860-241050/4).

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

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

**PFAS**
Method PFC_IDA: The following sample was preserved with trizma: RG-North20250604 (885-26070-1). Thus, the Method Blank, Laboratory Control Sample and Laboratory Control Sample Duplicate also contain trizma.

## Job ID: 885-26070-1 (Continued) Eurofins Albuquerque

Method PFC_IDA: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-856963.

Method PFC_IDA: The following sample in preparation batch 320-856963 was observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction: RG-North20250604 (885-26070-1).

Method PFC_IDA: The transition mass ratio was outside of the established ratio limit for 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) in (CCVL 320-857646/5) associated to this data set. This is indicated by the "R" flag in the raw data. As the flagged data is in control in the low level continuing calibration verification (CCVL), there is no adverse impact to the data.

Method PFC_IDA: The "I" qualifier means the transition mass ratio for the indicated analyte was outside the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. The associated analytes have been flagged: RG-North20250604 (885-26070-1).

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

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

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

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

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

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

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

06/04/2025 Rio Grande North Full analyte list and E.coli and PFAS filtered. Alameda E.coli sample only.

Field Parameters:
- Rio Grande - North
  Temp = 19.9$^0$C
  pH = 8.4575
  Conductivity = No Data
  Dissolved Oxygen = No Data
- Alameda
  Temp = No Data$^0$C
  pH = No Data
  Conductivity = No Data
  Dissolved Oxygen = No Data

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

### Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 06/06/25 14:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *63 - 144* | | *06/06/25 14:25* | *1* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *74 - 124* | | *06/06/25 14:25* | *1* |
| *Dibromofluoromethane (Surr)* | *103* | | *75 - 131* | | *06/06/25 14:25* | *1* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* | | *06/06/25 14:25* | *1* |

### Method: EPA 625.1 - Semivolatile Organic Compounds (GC-MS/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzidine | ND | | 2.9 | 0.45 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Benzo[a]anthracene | ND | | 0.29 | 0.082 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Benzo[a]pyrene | ND | | 0.29 | 0.070 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| 3,4-Benzofluoranthene | ND | | 0.57 | 0.066 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 2.9 | 1.4 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Chrysene | ND | | 0.57 | 0.082 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.11 | 0.051 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Dibenzofuran | ND | | 0.57 | 0.11 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.57 | 0.10 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Pentachlorophenol | ND | | 0.57 | 0.20 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |
| Benzo[k]fluoranthene | ND | | 0.57 | 0.047 | ug/L | | 06/10/25 05:00 | 06/13/25 08:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *71* | | *43 - 130* | *06/10/25 05:00* | *06/13/25 08:24* | *1* |
| *2-Fluorophenol (Surr)* | *33* | | *19 - 120* | *06/10/25 05:00* | *06/13/25 08:24* | *1* |
| *Nitrobenzene-d5 (Surr)* | *93* | | *37 - 133* | *06/10/25 05:00* | *06/13/25 08:24* | *1* |
| *Phenol-d5 (Surr)* | *30* | | *8 - 124* | *06/10/25 05:00* | *06/13/25 08:24* | *1* |
| *p-Terphenyl-d14 (Surr)* | *53* | | *47 - 130* | *06/10/25 05:00* | *06/13/25 08:24* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *82* | | *35 - 130* | *06/10/25 05:00* | *06/13/25 08:24* | *1* |

### Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | ND | | 0.000058 | 0.000020 | mg/L | | 06/09/25 09:59 | 06/09/25 17:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *96* | | *45 - 115* | *06/09/25 09:59* | *06/09/25 17:17* | *1* |
| *Tetrachloro-m-xylene* | *97* | | *41 - 110* | *06/09/25 09:59* | *06/09/25 17:17* | *1* |

### Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chromium, hexavalent** | **0.071** | **J** | 0.20 | 0.051 | ug/L | | | 06/09/25 05:38 | 1 |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate** | **0.13** | | 0.10 | 0.020 | mg/L | | | 06/05/25 16:27 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/05/25 16:27 | 1 |

### Method: EPA 537 (modified) - Fluorinated Alkyl Substances

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Perfluorobutanoic acid (PFBA)** | **1.2** | **J** | 4.6 | 1.2 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

## Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | ND | | 1.8 | 0.53 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorooctanoic acid (PFOA) | 0.68 | J I | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.8 | 0.51 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 1.8 | 0.67 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | 0.59 | J | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.8 | 0.53 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 1.8 | 0.90 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 4.6 | 1.2 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 4.6 | 1.2 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | | 4.6 | 1.2 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 1.8 | 0.46 | ng/L | | 06/12/25 04:30 | 06/14/25 14:36 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C4 PFBA* | *114* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C5 PFPeA* | *90* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C2 PFHxA* | *110* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C4 PFHpA* | *106* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C4 PFOA* | *101* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C5 PFNA* | *103* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C2 PFDA* | *95* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C2 PFUnA* | *99* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C2 PFDoA* | *81* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C2 PFTeDA* | *80* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C3 PFBS* | *106* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *18O2 PFHxS* | *106* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C4 PFOS* | *106* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C8 FOSA* | *102* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *d3-NMeFOSAA* | *109* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *d5-NEtFOSAA* | *110* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C2 6:2 FTS* | *110* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |
| *13C2 8:2 FTS* | *102* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:36* | *1* |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

### Method: EPA 537 (modified) - Fluorinated Alkyl Substances (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 13C2 4:2 FTS | 120 | | 25 - 150 | 06/12/25 04:30 | 06/14/25 14:36 | 1 |

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 20 | 2.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-2 | ND | | 200 | 4.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-3 | ND | | 60 | 7.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-4 | ND | | 40 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-5 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-6 | ND | | 200 | 4.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-7 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-8 | ND | | 200 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-9 | ND | | 200 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-10 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-11 | 30 | J B | 200 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-12 | ND | | 400 | 8.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-13 | ND | | 400 | 8.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-14 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-15 | 8.7 | J q | 40 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-16 | ND | | 200 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-17 | 4.7 | J | 200 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-18 | 6.0 | J | 400 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-19 | ND | | 20 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-20 | ND | | 400 | 21 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-21 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-22 | ND | | 200 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-23 | ND | | 200 | 8.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-24 | ND | | 200 | 2.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-25 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-26 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-27 | ND | | 200 | 9.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-28 | ND | | 400 | 21 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-29 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-30 | 6.0 | J | 400 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-31 | 8.7 | J | 200 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-32 | ND | | 200 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-33 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-34 | ND | | 200 | 6.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-35 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-36 | ND | | 200 | 5.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-37 | 7.0 | J | 20 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-38 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-39 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-40 | ND | | 400 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-41 | ND | | 200 | 8.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-42 | ND | | 200 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-43 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-44 | 19 | J | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-45 | ND | | 400 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-46 | ND | | 200 | 3.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-47 | 19 | J | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-48 | ND | | 200 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-49 | ND | | 400 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-50 | ND | | 400 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-51 | ND | | 400 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-52 | 11 | J | 200 | 4.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-53 | ND | | 400 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-54 | ND | | 20 | 8.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-55 | ND | | 200 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-56 | ND | | 200 | 6.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-57 | ND | | 200 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-58 | ND | | 200 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-59 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-60 | ND | | 200 | 4.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-61 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-62 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-63 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-64 | 5.4 | J q | 200 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-65 | 19 | J | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-66 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-67 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-68 | ND | | 200 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-69 | ND | | 400 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-70 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-71 | ND | | 400 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-72 | ND | | 200 | 7.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-73 | ND | | 200 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-74 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-75 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-76 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-77 | ND | | 20 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-78 | ND | | 200 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-79 | ND | | 200 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-80 | ND | | 200 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-81 | ND | | 20 | 5.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-82 | ND | | 200 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-83 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-84 | ND | | 200 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-85 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-86 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-87 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-88 | ND | | 400 | 9.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-89 | ND | | 200 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-90 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-91 | ND | | 400 | 9.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-92 | ND | | 200 | 2.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-93 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-94 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-95 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-96 | ND | | 200 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-97 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-98 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-99 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-100 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-101 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-102 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-103 | ND | | 200 | 8.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-104 | ND | | 20 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-105 | ND | | 20 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-106 | ND | | 200 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-107 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-108 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-109 | ND | | 1200 | 34 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-110 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-111 | ND | | 200 | 2.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-112 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-113 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-114 | ND | | 20 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-115 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-116 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-117 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-118 | ND | | 20 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-119 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-120 | ND | | 200 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-121 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-122 | ND | | 200 | 2.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-123 | ND | | 20 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-124 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-125 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-126 | ND | | 20 | 5.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-127 | ND | | 200 | 2.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-128 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-129 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-130 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-131 | ND | | 200 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-132 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-133 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-134 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| **PCB-135** | **9.8** | **J B q** | 400 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-136 | ND | | 200 | 6.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-137 | ND | | 200 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-138 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-139 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-140 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-141 | ND | | 200 | 7.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-142 | ND | | 200 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-143 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-144 | ND | | 200 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-145 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-146 | ND | | 200 | 7.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-147 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-148 | ND | | 200 | 6.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-149 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-150 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-151 | 9.8 | J B q | 400 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-152 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-153 | 12 | J q | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-154 | ND | | 200 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-155 | ND | | 20 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-156 | ND | | 40 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-157 | ND | | 40 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-158 | ND | | 200 | 6.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-159 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-160 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-161 | ND | | 200 | 5.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-162 | ND | | 200 | 9.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-163 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-164 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-165 | ND | | 200 | 5.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-166 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-167 | ND | | 20 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-168 | 12 | J q | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-169 | 6.1 | J B q | 20 | 3.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-170 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-171 | ND | | 400 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-172 | ND | | 200 | 5.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-173 | ND | | 400 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-174 | ND | | 200 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-175 | ND | | 200 | 3.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-176 | ND | | 200 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-177 | ND | | 200 | 3.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-178 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-179 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-180 | ND | | 400 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-181 | ND | | 200 | 4.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-182 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-183 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-184 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-185 | ND | | 200 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-186 | ND | | 200 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-187 | ND | | 200 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-188 | ND | | 20 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-189 | ND | | 20 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-190 | ND | | 200 | 2.6 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-191 | ND | | 200 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-192 | ND | | 200 | 4.5 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-193 | ND | | 400 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-194 | ND | | 200 | 8.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-195 | ND | | 200 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-196 | ND | | 200 | 3.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-197 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-198 | ND | | 400 | 7.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-199 | ND | | 400 | 7.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-200 | ND | | 200 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-201 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-202 | ND | | 20 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-203 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-204 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-205 | ND | | 20 | 4.1 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-206 | ND | | 20 | 8.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-207 | ND | | 200 | 5.4 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-208 | ND | | 20 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |
| PCB-209 | ND | | 20 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 05:46 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *68* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-3L* | *64* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-4L* | *67* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-15L* | *56* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-19L* | *62* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-37L* | *58* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-54L* | *53* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-77L* | *54* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-81L* | *58* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-104L* | *49* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-105L* | *61* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-114L* | *58* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-118L* | *58* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-123L* | *56* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-126L* | *63* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-155L* | *45* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-156L* | *59* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-156L/157L* | *59* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-157L* | *59* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-167L* | *55* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-169L* | *60* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-188L* | *48* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-189L* | *61* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-202L* | *57* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-205L* | *72* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-206L* | *73* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-208L* | *64* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-209L* | *67* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *78* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |
| *PCB-111L* | *81* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |

**Client Sample ID: RG-North20250604**
**Lab Sample ID: 885-26070-1**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-178L* | *90* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 05:46* | *1* |

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Calcium** | **38** | | 1.0 | 0.42 | mg/L | | 06/06/25 11:43 | 06/10/25 14:44 | 1 |
| **Magnesium** | **6.9** | | 1.0 | 0.064 | mg/L | | 06/06/25 11:43 | 06/10/25 14:44 | 1 |

### Method: EPA 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Uranium** | **2.1** | | 1.0 | 0.15 | ug/L | | 07/01/25 14:54 | 07/02/25 18:03 | 2 |

### Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.00050 | 0.00034 | mg/L | | | 06/23/25 17:06 | 1 |
| **Copper** | **0.00077** | | 0.00050 | 0.00030 | mg/L | | | 06/24/25 13:10 | 1 |

### Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **120** | | 6.6 | 2.5 | mg/L | | | 06/10/25 16:25 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) (1664B) | ND | | 9.0 | 9.0 | mg/L | | | 06/05/25 16:00 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **210** | | 50 | 25 | mg/L | | | 06/11/25 16:35 | 1 |
| Nitrogen, Total Kjeldahl (EPA 351.2) | ND | | 0.50 | 0.50 | mg/L | | 06/18/25 15:52 | 06/20/25 09:03 | 1 |
| **Total Phosphorus as P (EPA 365.1)** | **0.061** | | 0.050 | 0.050 | mg/L | | 06/13/25 12:55 | 06/14/25 08:21 | 1 |
| Biochemical Oxygen Demand (SM 5210 B-2016) | ND | | 2.0 | 1.0 | mg/L | | | 06/05/25 12:53 | 1 |
| Chemical Oxygen Demand (SM 5220D) | ND | | 50 | 50 | mg/L | | | 06/19/25 13:17 | 1 |
| **Total Suspended Solids (SM 2540D)** | **36** | | 4.0 | 4.0 | mg/L | | | 06/09/25 15:59 | 1 |
| **pH (SM 4500 H+ B)** | **8.3** | **HF** | 0.1 | 0.1 | SU | | | 06/05/25 16:58 | 1 |
| **Ammonia (SM 4500 NH3 C)** | **0.28** | **J** | 0.67 | 0.28 | mg/L | | 06/16/25 07:33 | 06/16/25 07:33 | 1 |

### Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Gross Alpha** | **2.67** | | 1.61 | 1.63 | 3.00 | 2.22 | pCi/L | 06/09/25 08:04 | 06/11/25 07:39 | 1 |
| **Gross Beta** | **4.00** | | 1.01 | 1.09 | 4.00 | 1.24 | pCi/L | 06/09/25 08:04 | 06/11/25 07:39 | 1 |

### Method: SM Gross Alpha Adj - Gross Alpha Adjusted

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Adjusted Gross Alpha | 1.24 | U | 1.61 | 1.64 | 3.00 | 2.22 | pCi/L | | 07/02/25 18:03 | 1 |

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Escherichia coli** | **30.5** | | 1.0 | 1.0 | MPN/100mL | | | 06/04/25 17:15 | 1 |

# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-Alameda20250604**
**Lab Sample ID: 885-26070-2**
**Date Collected: 06/04/25 15:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

**Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | 275.0 | | 10.0 | 10.0 | MPN/100mL | | | 06/04/25 17:15 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

**Client Sample ID: RG-North20250604-Filtered**
**Lab Sample ID: 885-26070-3**
**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

**General Chemistry - Dissolved**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P (EPA 365.1) | ND | | 0.050 | 0.050 | mg/L | | 06/10/25 12:28 | 06/11/25 12:16 | 1 |

# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PFBA | PFPeA | PFHxA | C4PFHA | PFOA | PFNA | PFDA | PFUnA |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26070-1 | RG-North20250604 | 114 | 90 | 110 | 106 | 101 | 103 | 95 | 99 |
| LCS 320-856963/2-A | Lab Control Sample | 115 | 90 | 102 | 109 | 101 | 97 | 95 | 98 |
| LCSD 320-856963/3-A | Lab Control Sample Dup | 115 | 93 | 99 | 106 | 99 | 99 | 94 | 99 |
| MB 320-856963/1-A | Method Blank | 116 | 93 | 103 | 113 | 101 | 97 | 95 | 101 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PFDoA | PFTDA | C3PFBS | PFHxS | PFOS | PFOSA | d3NMFOS | d5NEFOS |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26070-1 | RG-North20250604 | 81 | 80 | 106 | 106 | 106 | 102 | 109 | 110 |
| LCS 320-856963/2-A | Lab Control Sample | 87 | 99 | 107 | 111 | 108 | 100 | 107 | 105 |
| LCSD 320-856963/3-A | Lab Control Sample Dup | 90 | 100 | 110 | 107 | 100 | 101 | 102 | 111 |
| MB 320-856963/1-A | Method Blank | 93 | 107 | 105 | 111 | 103 | 103 | 107 | 119 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | |
|---|---|---|---|---|
| | | M262FTS | M282FTS | M242FTS |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) |
| 885-26070-1 | RG-North20250604 | 110 | 102 | 120 |
| LCS 320-856963/2-A | Lab Control Sample | 104 | 96 | 102 |
| LCSD 320-856963/3-A | Lab Control Sample Dup | 105 | 100 | 106 |
| MB 320-856963/1-A | Method Blank | 108 | 100 | 99 |

**Surrogate Legend**

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
M242FTS = 13C2 4:2 FTS

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (15-150) | (15-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26070-1 | RG-North20250604 | 68 | 64 | 67 | 56 | 62 | 58 | 53 | 54 |
| MB 320-858301/1-A | Method Blank | 69 | 65 | 68 | 62 | 66 | 64 | 66 | 58 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | PCB114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26070-1 | RG-North20250604 | 58 | 49 | 61 | 58 | 58 | 56 | 63 | 45 |
| MB 320-858301/1-A | Method Blank | 64 | 67 | 73 | 70 | 72 | 70 | 73 | 61 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | 156157L | PCB157L | PCB167L | PCB169L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26070-1 | RG-North20250604 | 59 | 59 | 59 | 55 | 60 | 48 | 61 | 57 |
| MB 320-858301/1-A | Method Blank | 70 | 70 | 70 | 68 | 69 | 59 | 71 | 68 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | | | | |
| 885-26070-1 | RG-North20250604 | 72 | 73 | 64 | 67 | | | | |
| MB 320-858301/1-A | Method Blank | 80 | 81 | 68 | 76 | | | | |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (15-140) | (15-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-858301/2-A | Lab Control Sample | 76 | 71 | 72 | 68 | 69 | 77 | 70 | 67 |

# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (15-140) | (15-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 71 | 67 | 67 | 60 | 65 | 66 | 63 | 63 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | PCB114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-858301/2-A | Lab Control Sample | 74 | 74 | 78 | 78 | 76 | 74 | 81 | 64 |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 68 | 63 | 70 | 71 | 70 | 68 | 76 | 52 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | 156157L | PCB157L | PCB167L | PCB169L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-858301/2-A | Lab Control Sample | 73 | 73 | 73 | 73 | 76 | 61 | 77 | 72 |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 69 | 69 | 69 | 65 | 72 | 53 | 72 | 60 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | | | | |
| LCS 320-858301/2-A | Lab Control Sample | 89 | 92 | 80 | 84 | | | | |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 86 | 87 | 73 | 81 | | | | |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 860-240649/10**
**Matrix: Water**
**Analysis Batch: 240649**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 06/06/25 10:19 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *105* | | *63 - 144* | | *06/06/25 10:19* | *1* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *74 - 124* | | *06/06/25 10:19* | *1* |
| *Dibromofluoromethane (Surr)* | *101* | | *75 - 131* | | *06/06/25 10:19* | *1* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* | | *06/06/25 10:19* | *1* |

**Lab Sample ID: LCS 860-240649/3**
**Matrix: Water**
**Analysis Batch: 240649**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0971 | | mg/L | | 97 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *97* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* |

**Lab Sample ID: LCSD 860-240649/4**
**Matrix: Water**
**Analysis Batch: 240649**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0970 | | mg/L | | 97 | 75 - 125 | 0 | 25 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *98* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *101* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS)

**Lab Sample ID: MB 860-241035/1-A**
**Matrix: Water**
**Analysis Batch: 241542**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 241035**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzidine | ND | | 2.9 | 0.45 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Benzo[a]anthracene | ND | | 0.29 | 0.082 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Benzo[a]pyrene | ND | | 0.29 | 0.070 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| 3,4-Benzofluoranthene | ND | | 0.57 | 0.066 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 2.9 | 1.4 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Chrysene | ND | | 0.57 | 0.082 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.11 | 0.051 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

**Lab Sample ID: MB 860-241035/1-A**
**Matrix: Water**
**Analysis Batch: 241542**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 241035**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dibenzofuran | ND | | 0.57 | 0.11 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.57 | 0.10 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Pentachlorophenol | ND | | 0.57 | 0.20 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |
| Benzo[k]fluoranthene | ND | | 0.57 | 0.047 | ug/L | | 06/09/25 06:45 | 06/10/25 19:07 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *56* | | *43 - 130* | *06/09/25 06:45* | *06/10/25 19:07* | *1* |
| *2-Fluorophenol (Surr)* | *61* | | *19 - 120* | *06/09/25 06:45* | *06/10/25 19:07* | *1* |
| *Nitrobenzene-d5 (Surr)* | *54* | | *37 - 133* | *06/09/25 06:45* | *06/10/25 19:07* | *1* |
| *Phenol-d5 (Surr)* | *57* | | *8 - 124* | *06/09/25 06:45* | *06/10/25 19:07* | *1* |
| *p-Terphenyl-d14 (Surr)* | *64* | | *47 - 130* | *06/09/25 06:45* | *06/10/25 19:07* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *55* | | *35 - 130* | *06/09/25 06:45* | *06/10/25 19:07* | *1* |

**Lab Sample ID: LCS 860-241035/2-A**
**Matrix: Water**
**Analysis Batch: 241542**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 241035**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzidine | 5.71 | 1.67 | J | ug/L | | 29 | 5 - 100 |
| Benzo[a]anthracene | 5.71 | 4.69 | | ug/L | | 82 | 33 - 143 |
| Benzo[a]pyrene | 5.71 | 4.83 | | ug/L | | 84 | 17 - 163 |
| 3,4-Benzofluoranthene | 5.71 | 4.73 | | ug/L | | 83 | 24 - 159 |
| Bis(2-ethylhexyl) phthalate | 5.71 | 4.15 | | ug/L | | 73 | 8 - 158 |
| Chrysene | 5.71 | 4.49 | | ug/L | | 79 | 17 - 168 |
| Dibenz(a,h)anthracene | 5.71 | 5.36 | | ug/L | | 94 | 50 - 227 |
| Dibenzofuran | 5.71 | 4.17 | | ug/L | | 73 | 52 - 139 |
| Indeno[1,2,3-cd]pyrene | 5.71 | 4.98 | | ug/L | | 87 | 46 - 171 |
| Pentachlorophenol | 5.71 | 6.12 | | ug/L | | 107 | 14 - 176 |
| Benzo[k]fluoranthene | 5.71 | 4.79 | | ug/L | | 84 | 11 - 162 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *61* | | *43 - 130* |
| *2-Fluorophenol (Surr)* | *64* | | *19 - 120* |
| *Nitrobenzene-d5 (Surr)* | *59* | | *37 - 133* |
| *Phenol-d5 (Surr)* | *61* | | *8 - 124* |
| *p-Terphenyl-d14 (Surr)* | *68* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *68* | | *35 - 130* |

**Lab Sample ID: LCSD 860-241035/3-A**
**Matrix: Water**
**Analysis Batch: 241542**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 241035**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzidine | 5.71 | 1.75 | J | ug/L | | 31 | 5 - 100 | 5 | 30 |
| Benzo[a]anthracene | 5.71 | 4.52 | | ug/L | | 79 | 33 - 143 | 4 | 30 |
| Benzo[a]pyrene | 5.71 | 4.60 | | ug/L | | 81 | 17 - 163 | 5 | 30 |
| 3,4-Benzofluoranthene | 5.71 | 4.58 | | ug/L | | 80 | 24 - 159 | 3 | 30 |
| Bis(2-ethylhexyl) phthalate | 5.71 | 4.22 | | ug/L | | 74 | 8 - 158 | 2 | 30 |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

**Lab Sample ID: LCSD 860-241035/3-A**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241542**
**Prep Batch: 241035**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chrysene | | | 5.71 | 4.62 | | ug/L | | 81 | 17 - 168 | 3 | 30 |
| Dibenz(a,h)anthracene | | | 5.71 | 5.25 | | ug/L | | 92 | 50 - 227 | 2 | 30 |
| Dibenzofuran | | | 5.71 | 4.17 | | ug/L | | 73 | 52 - 139 | 0 | 30 |
| Indeno[1,2,3-cd]pyrene | | | 5.71 | 4.85 | | ug/L | | 85 | 46 - 171 | 3 | 30 |
| Pentachlorophenol | | | 5.71 | 6.06 | | ug/L | | 106 | 14 - 176 | 1 | 30 |
| Benzo[k]fluoranthene | | | 5.71 | 4.55 | | ug/L | | 80 | 11 - 162 | 5 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *58* | | *43 - 130* |
| *2-Fluorophenol (Surr)* | *65* | | *19 - 120* |
| *Nitrobenzene-d5 (Surr)* | *60* | | *37 - 133* |
| *Phenol-d5 (Surr)* | *64* | | *8 - 124* |
| *p-Terphenyl-d14 (Surr)* | *67* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *66* | | *35 - 130* |

## Method: 608.3 - Organochlorine Pesticides/PCBs in Water

**Lab Sample ID: MB 860-241078/1-A**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241050**
**Prep Batch: 241078**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | ND | | 0.000057 | 0.000020 | mg/L | | 06/09/25 09:59 | 06/09/25 14:28 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *130* | *S1+* | *45 - 115* | *06/09/25 09:59* | *06/09/25 14:28* | *1* |
| *Tetrachloro-m-xylene* | *92* | | *41 - 110* | *06/09/25 09:59* | *06/09/25 14:28* | *1* |

**Lab Sample ID: LCS 860-241078/2-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241050**
**Prep Batch: 241078**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | 0.00143 | 0.00117 | p | mg/L | | 81 | 52 - 102 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *122* | *S1+* | *45 - 115* |
| *Tetrachloro-m-xylene* | *105* | | *41 - 110* |

**Lab Sample ID: LCSD 860-241078/3-A**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241050**
**Prep Batch: 241078**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | 0.00144 | 0.00121 | | mg/L | | 84 | 52 - 102 | 4 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *128* | *S1+* | *45 - 115* |

## Method: 608.3 - Organochlorine Pesticides/PCBs in Water (Continued)

**Lab Sample ID: LCSD 860-241078/3-A**
**Matrix: Water**
**Analysis Batch: 241050**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 241078**

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *Tetrachloro-m-xylene* | *106* | | *41 - 110* |

## Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

**Lab Sample ID: MB 570-581226/4**
**Matrix: Water**
**Analysis Batch: 581226**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chromium, hexavalent | ND | | 0.20 | 0.051 | ug/L | | | 06/09/25 03:03 | 1 |

**Lab Sample ID: LCS 570-581226/5**
**Matrix: Water**
**Analysis Batch: 581226**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chromium, hexavalent | 50.1 | 48.4 | | ug/L | | 97 | 95 - 107 |

**Lab Sample ID: LCSD 570-581226/6**
**Matrix: Water**
**Analysis Batch: 581226**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chromium, hexavalent | 50.1 | 50.3 | | ug/L | | 101 | 95 - 107 | 4 | 20 |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-27638/4**
**Matrix: Water**
**Analysis Batch: 27638**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate | ND | | 0.10 | 0.020 | mg/L | | | 06/05/25 08:43 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/05/25 08:43 | 1 |

**Lab Sample ID: LCS 885-27638/5**
**Matrix: Water**
**Analysis Batch: 27638**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate | 2.50 | 2.51 | | mg/L | | 100 | 90 - 110 |
| Nitrite | 1.00 | 0.945 | | mg/L | | 94 | 90 - 110 |

**Lab Sample ID: MRL 885-27638/3**
**Matrix: Water**
**Analysis Batch: 27638**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate | 0.100 | 0.102 | | mg/L | | 102 | 50 - 150 |
| Nitrite | 0.100 | 0.103 | | mg/L | | 103 | 50 - 150 |

## Method: 537 (modified) - Fluorinated Alkyl Substances

**Lab Sample ID: MB 320-856963/1-A**
**Matrix: Water**
**Analysis Batch: 857654**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 856963**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | ND | | 5.0 | 1.3 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 2.0 | 0.58 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 2.0 | 0.55 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorotetradecanoic acid (PFTeA) | ND | | 2.0 | 0.73 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | 0.57 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | 2.0 | 0.98 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 5.0 | 1.3 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 5.0 | 1.3 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | | 5.0 | 1.3 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 2.0 | 0.50 | ng/L | | 06/12/25 04:30 | 06/14/25 14:04 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C4 PFBA* | *116* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C5 PFPeA* | *93* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C2 PFHxA* | *103* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C4 PFHpA* | *113* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C4 PFOA* | *101* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C5 PFNA* | *97* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C2 PFDA* | *95* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C2 PFUnA* | *101* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C2 PFDoA* | *93* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C2 PFTeDA* | *107* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C3 PFBS* | *105* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *18O2 PFHxS* | *111* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C4 PFOS* | *103* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *13C8 FOSA* | *103* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |
| *d3-NMeFOSAA* | *107* | | *25 - 150* | *06/12/25 04:30* | *06/14/25 14:04* | *1* |

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: MB 320-856963/1-A**
**Matrix: Water**
**Analysis Batch: 857654**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 856963**

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| d5-NEtFOSAA | 119 | | 25 - 150 | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| 13C2 6:2 FTS | 108 | | 25 - 150 | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| 13C2 8:2 FTS | 100 | | 25 - 150 | 06/12/25 04:30 | 06/14/25 14:04 | 1 |
| 13C2 4:2 FTS | 99 | | 25 - 150 | 06/12/25 04:30 | 06/14/25 14:04 | 1 |

**Lab Sample ID: LCS 320-856963/2-A**
**Matrix: Water**
**Analysis Batch: 857654**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 856963**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | 40.0 | 40.0 | | ng/L | | 100 | 76 - 136 |
| Perfluoropentanoic acid (PFPeA) | 40.0 | 42.8 | | ng/L | | 107 | 71 - 131 |
| Perfluorohexanoic acid (PFHxA) | 40.0 | 41.1 | | ng/L | | 103 | 73 - 133 |
| Perfluoroheptanoic acid (PFHpA) | 40.0 | 38.8 | | ng/L | | 97 | 72 - 132 |
| Perfluorooctanoic acid (PFOA) | 40.0 | 40.2 | | ng/L | | 101 | 70 - 130 |
| Perfluorononanoic acid (PFNA) | 40.0 | 40.6 | | ng/L | | 101 | 68 - 135 |
| Perfluorodecanoic acid (PFDA) | 40.0 | 42.4 | | ng/L | | 106 | 76 - 136 |
| Perfluoroundecanoic acid (PFUnA) | 40.0 | 41.6 | | ng/L | | 104 | 75 - 135 |
| Perfluorododecanoic acid (PFDoA) | 40.0 | 39.1 | | ng/L | | 98 | 76 - 136 |
| Perfluorotridecanoic acid (PFTrDA) | 40.0 | 45.3 | | ng/L | | 113 | 70 - 130 |
| Perfluorotetradecanoic acid (PFTeA) | 40.0 | 39.3 | | ng/L | | 98 | 70 - 130 |
| Perfluorobutanesulfonic acid (PFBS) | 35.5 | 37.3 | | ng/L | | 105 | 76 - 136 |
| Perfluoropentanesulfonic acid (PFPeS) | 37.6 | 39.0 | | ng/L | | 104 | 75 - 135 |
| Perfluorohexanesulfonic acid (PFHxS) | 36.5 | 34.9 | | ng/L | | 96 | 68 - 128 |
| Perfluoroheptanesulfonic acid (PFHpS) | 38.2 | 38.9 | | ng/L | | 102 | 76 - 136 |
| Perfluorooctanesulfonic acid (PFOS) | 37.2 | 36.5 | | ng/L | | 98 | 70 - 130 |
| Perfluorononanesulfonic acid (PFNS) | 38.5 | 35.2 | | ng/L | | 91 | 75 - 135 |
| Perfluorodecanesulfonic acid (PFDS) | 38.6 | 31.8 | | ng/L | | 83 | 71 - 131 |
| Perfluorooctanesulfonamide (FOSA) | 40.0 | 41.0 | | ng/L | | 102 | 73 - 133 |
| N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 40.0 | 42.4 | | ng/L | | 106 | 71 - 131 |
| N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 40.0 | 39.0 | | ng/L | | 98 | 71 - 129 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 37.5 | 36.6 | | ng/L | | 98 | 71 - 131 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 38.1 | 36.5 | | ng/L | | 96 | 71 - 131 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 38.4 | 37.2 | | ng/L | | 97 | 75 - 135 |

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 13C4 PFBA | 115 | | 25 - 150 |
| 13C5 PFPeA | 90 | | 25 - 150 |
| 13C2 PFHxA | 102 | | 25 - 150 |
| 13C4 PFHpA | 109 | | 25 - 150 |
| 13C4 PFOA | 101 | | 25 - 150 |
| 13C5 PFNA | 97 | | 25 - 150 |
| 13C2 PFDA | 95 | | 25 - 150 |
| 13C2 PFUnA | 98 | | 25 - 150 |
| 13C2 PFDoA | 87 | | 25 - 150 |
| 13C2 PFTeDA | 99 | | 25 - 150 |
| 13C3 PFBS | 107 | | 25 - 150 |
| 18O2 PFHxS | 111 | | 25 - 150 |
| 13C4 PFOS | 108 | | 25 - 150 |
| 13C8 FOSA | 100 | | 25 - 150 |
| d3-NMeFOSAA | 107 | | 25 - 150 |
| d5-NEtFOSAA | 105 | | 25 - 150 |
| 13C2 6:2 FTS | 104 | | 25 - 150 |
| 13C2 8:2 FTS | 96 | | 25 - 150 |
| 13C2 4:2 FTS | 102 | | 25 - 150 |

**Lab Sample ID: LCSD 320-856963/3-A**
**Matrix: Water**
**Analysis Batch: 857654**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 856963**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | | | 40.0 | 40.5 | | ng/L | | 101 | 76 - 136 | 1 | 30 |
| Perfluoropentanoic acid (PFPeA) | | | 40.0 | 40.3 | | ng/L | | 101 | 71 - 131 | 6 | 30 |
| Perfluorohexanoic acid (PFHxA) | | | 40.0 | 39.5 | | ng/L | | 99 | 73 - 133 | 4 | 30 |
| Perfluoroheptanoic acid (PFHpA) | | | 40.0 | 38.7 | | ng/L | | 97 | 72 - 132 | 0 | 30 |
| Perfluorooctanoic acid (PFOA) | | | 40.0 | 40.0 | | ng/L | | 100 | 70 - 130 | 1 | 30 |
| Perfluorononanoic acid (PFNA) | | | 40.0 | 37.5 | | ng/L | | 94 | 68 - 135 | 8 | 30 |
| Perfluorodecanoic acid (PFDA) | | | 40.0 | 45.2 | | ng/L | | 113 | 76 - 136 | 6 | 30 |
| Perfluoroundecanoic acid (PFUnA) | | | 40.0 | 40.8 | | ng/L | | 102 | 75 - 135 | 2 | 30 |
| Perfluorododecanoic acid (PFDoA) | | | 40.0 | 38.7 | | ng/L | | 97 | 76 - 136 | 1 | 30 |
| Perfluorotridecanoic acid (PFTrDA) | | | 40.0 | 43.8 | | ng/L | | 110 | 70 - 130 | 3 | 30 |
| Perfluorotetradecanoic acid (PFTeA) | | | 40.0 | 40.7 | | ng/L | | 102 | 70 - 130 | 4 | 30 |
| Perfluorobutanesulfonic acid (PFBS) | | | 35.5 | 35.6 | | ng/L | | 100 | 76 - 136 | 5 | 30 |
| Perfluoropentanesulfonic acid (PFPeS) | | | 37.6 | 39.1 | | ng/L | | 104 | 75 - 135 | 0 | 30 |
| Perfluorohexanesulfonic acid (PFHxS) | | | 36.5 | 35.7 | | ng/L | | 98 | 68 - 128 | 2 | 30 |
| Perfluoroheptanesulfonic acid (PFHpS) | | | 38.2 | 44.7 | | ng/L | | 117 | 76 - 136 | 14 | 30 |
| Perfluorooctanesulfonic acid (PFOS) | | | 37.2 | 38.7 | | ng/L | | 104 | 70 - 130 | 6 | 30 |
| Perfluorononanesulfonic acid (PFNS) | | | 38.5 | 40.2 | | ng/L | | 105 | 75 - 135 | 13 | 30 |
| Perfluorodecanesulfonic acid (PFDS) | | | 38.6 | 35.1 | | ng/L | | 91 | 71 - 131 | 10 | 30 |

## Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

**Lab Sample ID: LCSD 320-856963/3-A**
**Matrix: Water**
**Analysis Batch: 857654**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 856963**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctanesulfonamide (FOSA) | | | 40.0 | 42.0 | | ng/L | | 105 | 73 - 133 | 3 | 30 |
| N-Methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | 40.0 | 49.4 | | ng/L | | 123 | 71 - 131 | 15 | 30 |
| N-Ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | 40.0 | 35.9 | | ng/L | | 90 | 71 - 129 | 9 | 30 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | | | 37.5 | 36.1 | | ng/L | | 96 | 71 - 131 | 2 | 30 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | | | 38.1 | 36.2 | | ng/L | | 95 | 71 - 131 | 1 | 30 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | | | 38.4 | 39.0 | | ng/L | | 102 | 75 - 135 | 5 | 30 |

| *Isotope Dilution* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *13C4 PFBA* | *115* | | *25 - 150* |
| *13C5 PFPeA* | *93* | | *25 - 150* |
| *13C2 PFHxA* | *99* | | *25 - 150* |
| *13C4 PFHpA* | *106* | | *25 - 150* |
| *13C4 PFOA* | *99* | | *25 - 150* |
| *13C5 PFNA* | *99* | | *25 - 150* |
| *13C2 PFDA* | *94* | | *25 - 150* |
| *13C2 PFUnA* | *99* | | *25 - 150* |
| *13C2 PFDoA* | *90* | | *25 - 150* |
| *13C2 PFTeDA* | *100* | | *25 - 150* |
| *13C3 PFBS* | *110* | | *25 - 150* |
| *18O2 PFHxS* | *107* | | *25 - 150* |
| *13C4 PFOS* | *100* | | *25 - 150* |
| *13C8 FOSA* | *101* | | *25 - 150* |
| *d3-NMeFOSAA* | *102* | | *25 - 150* |
| *d5-NEtFOSAA* | *111* | | *25 - 150* |
| *13C2 6:2 FTS* | *105* | | *25 - 150* |
| *13C2 8:2 FTS* | *100* | | *25 - 150* |
| *13C2 4:2 FTS* | *106* | | *25 - 150* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 20 | 2.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-2 | ND | | 200 | 4.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-3 | ND | | 60 | 7.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-4 | ND | | 40 | 5.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-5 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-6 | ND | | 200 | 4.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-7 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-8 | ND | | 200 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-9 | ND | | 200 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-10 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-11 | 22.6 | J q | 200 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-12 | ND | | 400 | 8.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-13 | ND | | 400 | 8.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-14 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-15 | ND | | 40 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-16 | ND | | 200 | 6.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-17 | ND | | 200 | 3.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-18 | ND | | 400 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-19 | ND | | 20 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-20 | ND | | 400 | 21 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-21 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-22 | ND | | 200 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-23 | ND | | 200 | 8.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-24 | ND | | 200 | 2.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-25 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-26 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-27 | ND | | 200 | 9.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-28 | ND | | 400 | 21 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-29 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-30 | ND | | 400 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-31 | ND | | 200 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-32 | ND | | 200 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-33 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-34 | ND | | 200 | 6.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-35 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-36 | ND | | 200 | 5.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-37 | ND | | 20 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-38 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-39 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-40 | ND | | 400 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-41 | ND | | 200 | 8.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-42 | ND | | 200 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-43 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-44 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-45 | ND | | 400 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-46 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-47 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-48 | ND | | 200 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-49 | ND | | 400 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-50 | ND | | 400 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-51 | ND | | 400 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-52 | ND | | 200 | 4.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-53 | ND | | 400 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-54 | ND | | 20 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-55 | ND | | 200 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-56 | ND | | 200 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-57 | ND | | 200 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-58 | ND | | 200 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-59 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-60 | ND | | 200 | 4.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-61 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-62 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-63 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-64 | ND | | 200 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-65 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-66 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-67 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-68 | ND | | 200 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-69 | ND | | 400 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-70 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-71 | ND | | 400 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-72 | ND | | 200 | 7.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-73 | ND | | 200 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-74 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-75 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-76 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-77 | ND | | 20 | 6.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-78 | ND | | 200 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-79 | ND | | 200 | 8.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-80 | ND | | 200 | 8.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-81 | ND | | 20 | 5.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-82 | ND | | 200 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-83 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-84 | ND | | 200 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-85 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-86 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-87 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-88 | ND | | 400 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-89 | ND | | 200 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-90 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-91 | ND | | 400 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-92 | ND | | 200 | 2.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-93 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-94 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-95 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-96 | ND | | 200 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-97 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-98 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-99 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-100 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-101 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-102 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-103 | ND | | 200 | 8.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-104 | ND | | 20 | 4.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-105 | ND | | 20 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-106 | ND | | 200 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-107 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-108 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-109 | ND | | 1200 | 33 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-110 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-111 | ND | | 200 | 2.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-112 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-113 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-114 | ND | | 20 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-115 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-116 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-117 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-118 | ND | | 20 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-119 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-120 | ND | | 200 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-121 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-122 | ND | | 200 | 2.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-123 | ND | | 20 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-124 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-125 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-126 | ND | | 20 | 5.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-127 | ND | | 200 | 2.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-128 | ND | | 400 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-129 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-130 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-131 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-132 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-133 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-134 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-135 | 9.87 | J q | 400 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-136 | ND | | 200 | 6.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-137 | ND | | 200 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-138 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-139 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-140 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-141 | ND | | 200 | 7.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-142 | ND | | 200 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-143 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-144 | ND | | 200 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-145 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-146 | ND | | 200 | 7.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-147 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-148 | ND | | 200 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-149 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-150 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-151 | 9.87 | J q | 400 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-152 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-153 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-154 | ND | | 200 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-155 | ND | | 20 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-156 | ND | | 40 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-157 | ND | | 40 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-158 | ND | | 200 | 6.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-159 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-160 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-161 | ND | | 200 | 5.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-162 | ND | | 200 | 9.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-163 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-164 | ND | | 200 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-165 | ND | | 200 | 5.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-166 | ND | | 400 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-167 | ND | | 20 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-168 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-169 | 9.19 | J q | 20 | 3.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-170 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-171 | ND | | 400 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-172 | ND | | 200 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-173 | ND | | 400 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-174 | ND | | 200 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-175 | ND | | 200 | 3.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-176 | ND | | 200 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-177 | ND | | 200 | 3.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-178 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-179 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-180 | ND | | 400 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-181 | ND | | 200 | 4.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-182 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-183 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-184 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-185 | ND | | 200 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-186 | ND | | 200 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-187 | ND | | 200 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-188 | ND | | 20 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-189 | ND | | 20 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-190 | ND | | 200 | 2.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-191 | ND | | 200 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-192 | ND | | 200 | 4.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-193 | ND | | 400 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-194 | ND | | 200 | 8.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-195 | ND | | 200 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-196 | ND | | 200 | 3.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-197 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-198 | ND | | 400 | 7.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-199 | ND | | 400 | 7.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-200 | ND | | 200 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-201 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-202 | ND | | 20 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-203 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-204 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-205 | ND | | 20 | 4.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-206 | ND | | 20 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-207 | ND | | 200 | 5.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-208 | ND | | 20 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-209 | ND | | 20 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *69* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-3L* | *65* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-4L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-15L* | *62* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-19L* | *66* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-37L* | *64* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-54L* | *66* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-77L* | *58* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-81L* | *64* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-104L* | *67* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-105L* | *73* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-114L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-118L* | *72* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-123L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-126L* | *73* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-155L* | *61* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-156L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-156L/157L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-157L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-167L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-169L* | *69* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-188L* | *59* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-189L* | *71* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-202L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-205L* | *80* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-206L* | *81* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-208L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-209L* | *76* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *71* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-111L* | *76* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-178L* | *83* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |

**Lab Sample ID: LCS 320-858301/2-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| PCB-1 | 2000 | 1980 | | pg/L | | 99 | 50 - 150 |
| PCB-3 | 2000 | 1970 | | pg/L | | 98 | 50 - 150 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 320-858301/2-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| PCB-4 | 2000 | 2170 | | pg/L | | 108 | 50 - 150 |
| PCB-15 | 2000 | 1880 | | pg/L | | 94 | 50 - 150 |
| PCB-19 | 2000 | 2130 | | pg/L | | 107 | 50 - 150 |
| PCB-37 | 2000 | 2060 | | pg/L | | 103 | 50 - 150 |
| PCB-54 | 2000 | 2300 | | pg/L | | 115 | 50 - 150 |
| PCB-77 | 2000 | 2210 | | pg/L | | 110 | 50 - 150 |
| PCB-81 | 2000 | 2160 | | pg/L | | 108 | 50 - 150 |
| PCB-104 | 2000 | 2340 | | pg/L | | 117 | 50 - 150 |
| PCB-105 | 2000 | 2000 | | pg/L | | 100 | 50 - 150 |
| PCB-114 | 2000 | 2140 | | pg/L | | 107 | 50 - 150 |
| PCB-118 | 2000 | 2010 | | pg/L | | 100 | 50 - 150 |
| PCB-123 | 2000 | 2360 | | pg/L | | 118 | 50 - 150 |
| PCB-126 | 2000 | 2140 | | pg/L | | 107 | 50 - 150 |
| PCB-155 | 2000 | 2670 | | pg/L | | 134 | 50 - 150 |
| PCB-156 | 4000 | 4050 | | pg/L | | 101 | 50 - 150 |
| PCB-157 | 4000 | 4050 | | pg/L | | 101 | 50 - 150 |
| PCB-167 | 2000 | 2040 | | pg/L | | 102 | 50 - 150 |
| PCB-169 | 2000 | 2030 | | pg/L | | 101 | 50 - 150 |
| PCB-188 | 2000 | 2110 | | pg/L | | 106 | 50 - 150 |
| PCB-189 | 2000 | 2180 | | pg/L | | 109 | 50 - 150 |
| PCB-202 | 2000 | 2150 | | pg/L | | 107 | 50 - 150 |
| PCB-205 | 2000 | 2040 | | pg/L | | 102 | 50 - 150 |
| PCB-206 | 2000 | 1710 | | pg/L | | 85 | 50 - 150 |
| PCB-208 | 2000 | 2070 | | pg/L | | 104 | 50 - 150 |
| PCB-209 | 2000 | 1930 | | pg/L | | 97 | 50 - 150 |

| *Isotope Dilution* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-1L* | *76* | | *15 - 140* |
| *PCB-3L* | *71* | | *15 - 140* |
| *PCB-4L* | *72* | | *30 - 140* |
| *PCB-15L* | *68* | | *30 - 140* |
| *PCB-19L* | *69* | | *30 - 140* |
| *PCB-37L* | *77* | | *30 - 140* |
| *PCB-54L* | *70* | | *30 - 140* |
| *PCB-77L* | *67* | | *30 - 140* |
| *PCB-81L* | *74* | | *30 - 140* |
| *PCB-104L* | *74* | | *30 - 140* |
| *PCB-105L* | *78* | | *30 - 140* |
| *PCB-114L* | *78* | | *30 - 140* |
| *PCB-118L* | *76* | | *30 - 140* |
| *PCB-123L* | *74* | | *30 - 140* |
| *PCB-126L* | *81* | | *30 - 140* |
| *PCB-155L* | *64* | | *30 - 140* |
| *PCB-156L* | *73* | | *30 - 140* |
| *PCB-156L/157L* | *73* | | *30 - 140* |
| *PCB-157L* | *73* | | *30 - 140* |
| *PCB-167L* | *73* | | *30 - 140* |
| *PCB-169L* | *76* | | *30 - 140* |
| *PCB-188L* | *61* | | *30 - 140* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 320-858301/2-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-189L | 77 | | 30 - 140 |
| PCB-202L | 72 | | 30 - 140 |
| PCB-205L | 89 | | 30 - 140 |
| PCB-206L | 92 | | 30 - 140 |
| PCB-208L | 80 | | 30 - 140 |
| PCB-209L | 84 | | 30 - 140 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-28L | 83 | | 40 - 125 |
| PCB-111L | 80 | | 40 - 125 |
| PCB-178L | 86 | | 40 - 125 |

**Lab Sample ID: LCSD 320-858301/3-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | | | 2000 | 2010 | | pg/L | | 100 | 50 - 150 | 2 | 50 |
| PCB-3 | | | 2000 | 2020 | | pg/L | | 101 | 50 - 150 | 2 | 50 |
| PCB-4 | | | 2000 | 2250 | | pg/L | | 113 | 50 - 150 | 4 | 50 |
| PCB-15 | | | 2000 | 1980 | | pg/L | | 99 | 50 - 150 | 5 | 50 |
| PCB-19 | | | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | 0 | 50 |
| PCB-37 | | | 2000 | 2200 | | pg/L | | 110 | 50 - 150 | 6 | 50 |
| PCB-54 | | | 2000 | 2350 | | pg/L | | 118 | 50 - 150 | 2 | 50 |
| PCB-77 | | | 2000 | 2190 | | pg/L | | 109 | 50 - 150 | 1 | 50 |
| PCB-81 | | | 2000 | 2190 | | pg/L | | 109 | 50 - 150 | 2 | 50 |
| PCB-104 | | | 2000 | 2510 | | pg/L | | 126 | 50 - 150 | 7 | 50 |
| PCB-105 | | | 2000 | 2070 | | pg/L | | 103 | 50 - 150 | 3 | 50 |
| PCB-114 | | | 2000 | 2200 | | pg/L | | 110 | 50 - 150 | 3 | 50 |
| PCB-118 | | | 2000 | 2040 | | pg/L | | 102 | 50 - 150 | 2 | 50 |
| PCB-123 | | | 2000 | 2350 | | pg/L | | 118 | 50 - 150 | 0 | 50 |
| PCB-126 | | | 2000 | 2160 | | pg/L | | 108 | 50 - 150 | 1 | 50 |
| PCB-155 | | | 2000 | 2840 | | pg/L | | 142 | 50 - 150 | 6 | 50 |
| PCB-156 | | | 4000 | 4010 | | pg/L | | 100 | 50 - 150 | 1 | 50 |
| PCB-157 | | | 4000 | 4010 | | pg/L | | 100 | 50 - 150 | 1 | 50 |
| PCB-167 | | | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | 5 | 50 |
| PCB-169 | | | 2000 | 2060 | | pg/L | | 103 | 50 - 150 | 1 | 50 |
| PCB-188 | | | 2000 | 2170 | | pg/L | | 108 | 50 - 150 | 3 | 50 |
| PCB-189 | | | 2000 | 2230 | | pg/L | | 112 | 50 - 150 | 3 | 50 |
| PCB-202 | | | 2000 | 2230 | | pg/L | | 112 | 50 - 150 | 4 | 50 |
| PCB-205 | | | 2000 | 2030 | | pg/L | | 102 | 50 - 150 | 0 | 50 |
| PCB-206 | | | 2000 | 1770 | | pg/L | | 89 | 50 - 150 | 4 | 50 |
| PCB-208 | | | 2000 | 2060 | | pg/L | | 103 | 50 - 150 | 1 | 50 |
| PCB-209 | | | 2000 | 1940 | | pg/L | | 97 | 50 - 150 | 1 | 50 |

| Isotope Dilution | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| PCB-1L | 71 | | 15 - 140 |
| PCB-3L | 67 | | 15 - 140 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCSD 320-858301/3-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| *Isotope Dilution* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-4L* | *67* | | *30 - 140* |
| *PCB-15L* | *60* | | *30 - 140* |
| *PCB-19L* | *65* | | *30 - 140* |
| *PCB-37L* | *66* | | *30 - 140* |
| *PCB-54L* | *63* | | *30 - 140* |
| *PCB-77L* | *63* | | *30 - 140* |
| *PCB-81L* | *68* | | *30 - 140* |
| *PCB-104L* | *63* | | *30 - 140* |
| *PCB-105L* | *70* | | *30 - 140* |
| *PCB-114L* | *71* | | *30 - 140* |
| *PCB-118L* | *70* | | *30 - 140* |
| *PCB-123L* | *68* | | *30 - 140* |
| *PCB-126L* | *76* | | *30 - 140* |
| *PCB-155L* | *52* | | *30 - 140* |
| *PCB-156L* | *69* | | *30 - 140* |
| *PCB-156L/157L* | *69* | | *30 - 140* |
| *PCB-157L* | *69* | | *30 - 140* |
| *PCB-167L* | *65* | | *30 - 140* |
| *PCB-169L* | *72* | | *30 - 140* |
| *PCB-188L* | *53* | | *30 - 140* |
| *PCB-189L* | *72* | | *30 - 140* |
| *PCB-202L* | *60* | | *30 - 140* |
| *PCB-205L* | *86* | | *30 - 140* |
| *PCB-206L* | *87* | | *30 - 140* |
| *PCB-208L* | *73* | | *30 - 140* |
| *PCB-209L* | *81* | | *30 - 140* |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-28L* | *75* | | *40 - 125* |
| *PCB-111L* | *74* | | *40 - 125* |
| *PCB-178L* | *82* | | *40 - 125* |

## Method: 200.7 Rev 4.4 - Metals (ICP)

**Lab Sample ID: MRL 885-28033/13**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | | | 0.500 | 0.519 | J | mg/L | | 104 | 50 - 150 | | |
| Magnesium | | | 0.500 | 0.510 | J | mg/L | | 102 | 50 - 150 | | |

**Lab Sample ID: MB 885-27774/1-A**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 27774**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | ND | | 1.0 | 0.42 | mg/L | | 06/06/25 11:42 | 06/10/25 12:02 | 1 |
| Magnesium | ND | | 1.0 | 0.064 | mg/L | | 06/06/25 11:42 | 06/10/25 12:02 | 1 |

## Method: 200.7 Rev 4.4 - Metals (ICP)

**Lab Sample ID: LCS 885-27774/6-A**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 27774**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Calcium | 50.0 | 49.4 | | mg/L | | 99 | 85 - 115 |
| Magnesium | 50.0 | 49.3 | | mg/L | | 99 | 85 - 115 |

**Lab Sample ID: LLCS 885-27774/5-A**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 27774**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Calcium | 0.500 | 0.513 | J | mg/L | | 103 | 50 - 150 |
| Magnesium | 0.500 | 0.510 | J | mg/L | | 102 | 50 - 150 |

## Method: 200.8 - Metals (ICP/MS)

**Lab Sample ID: MB 885-27955/14**
**Matrix: Water**
**Analysis Batch: 27955**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.00050 | 0.00034 | mg/L | | | 06/09/25 12:20 | 1 |
| Copper | ND | | 0.00050 | 0.00030 | mg/L | | | 06/09/25 12:20 | 1 |

**Lab Sample ID: LCS 885-27955/15**
**Matrix: Water**
**Analysis Batch: 27955**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.0125 | 0.0130 | | mg/L | | 104 | 85 - 115 |
| Copper | 0.0250 | 0.0253 | | mg/L | | 101 | 85 - 115 |

**Lab Sample ID: MRL 885-27955/12**
**Matrix: Water**
**Analysis Batch: 27955**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.000500 | 0.000490 | J | mg/L | | 98 | 50 - 150 |

**Lab Sample ID: MRL 885-27955/13**
**Matrix: Water**
**Analysis Batch: 27955**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Copper | 0.000500 | 0.000524 | | mg/L | | 105 | 50 - 150 |

**Lab Sample ID: MB 885-28899/15**
**Matrix: Water**
**Analysis Batch: 28899**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.00050 | 0.00034 | mg/L | | | 06/23/25 12:38 | 1 |
| Copper | ND | | 0.00050 | 0.00030 | mg/L | | | 06/23/25 12:38 | 1 |

## Method: 200.8 - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 885-28899/16**
**Matrix: Water**
**Analysis Batch: 28899**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.0125 | 0.0117 | | mg/L | | 94 | 85 - 115 |
| Copper | 0.0250 | 0.0233 | | mg/L | | 93 | 85 - 115 |

**Lab Sample ID: MRL 885-28899/13**
**Matrix: Water**
**Analysis Batch: 28899**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.000500 | 0.000481 | J | mg/L | | 96 | 50 - 150 |

**Lab Sample ID: MRL 885-28899/14**
**Matrix: Water**
**Analysis Batch: 28899**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Copper | 0.000500 | 0.000345 | J | mg/L | | 69 | 50 - 150 |

**Lab Sample ID: MRL 885-28945/19**
**Matrix: Water**
**Analysis Batch: 28945**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.000500 | 0.000484 | J | mg/L | | 97 | 50 - 150 |
| Copper | 0.00100 | 0.000980 | | mg/L | | 98 | 50 - 150 |

**Lab Sample ID: MRL 885-28945/20**
**Matrix: Water**
**Analysis Batch: 28945**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.000250 | 0.000258 | J | mg/L | | 103 | 50 - 150 |
| Copper | 0.000500 | 0.000546 | | mg/L | | 109 | 50 - 150 |

**Lab Sample ID: MB 160-725349/1-A**
**Matrix: Water**
**Analysis Batch: 725729**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 725349**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Uranium | ND | | 1.0 | 0.15 | ug/L | | 07/01/25 14:54 | 07/02/25 17:31 | 2 |

**Lab Sample ID: LCS 160-725349/2-A**
**Matrix: Water**
**Analysis Batch: 725729**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 725349**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Uranium | 1000 | 970 | | ug/L | | 97 | 85 - 115 |

## Method: 1664B - HEM and SGT-HEM

**Lab Sample ID: MB 885-27647/1**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27647**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | ND | | 9.0 | 9.0 | mg/L | | | 06/05/25 09:03 | 1 |

**Lab Sample ID: LCS 885-27647/2**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27647**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 40.0 | 35.2 | | mg/L | | 88 | 78 - 114 |

**Lab Sample ID: LCSD 885-27647/3**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27647**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 40.0 | 39.8 | | mg/L | | 100 | 78 - 114 | 12 | 20 |

**Lab Sample ID: MRL 885-27647/16**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27647**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 8.00 | 8.80 | | mg/L | | 110 | 50 - 150 |

**Lab Sample ID: MRL 885-27647/17**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27647**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 8.00 | 8.40 | | mg/L | | 105 | 50 - 150 |

**Lab Sample ID: MRL 885-27647/18**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27647**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 8.00 | 8.80 | | mg/L | | 110 | 50 - 150 |

## Method: 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 885-28104/1**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28104**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | 50 | 25 | mg/L | | | 06/11/25 16:35 | 1 |

## Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LCS 885-28104/2**
**Matrix: Water**
**Analysis Batch: 28104**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 1010 | | mg/L | | 101 | 80 - 120 |

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID: MB 885-28605/3-A**
**Matrix: Water**
**Analysis Batch: 28733**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 28605**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | ND | | 0.50 | 0.50 | mg/L | | 06/18/25 15:52 | 06/20/25 08:51 | 1 |

**Lab Sample ID: LCS 885-28605/5-A**
**Matrix: Water**
**Analysis Batch: 28733**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 28605**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 10.0 | 10.1 | | mg/L | | 101 | 90 - 110 |

**Lab Sample ID: MRL 885-28605/4-A**
**Matrix: Water**
**Analysis Batch: 28733**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 28605**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 0.500 | 0.511 | | mg/L | | 102 | 50 - 150 |

## Method: 365.1 - Phosphorus, Total

**Lab Sample ID: MB 885-27970/3-A**
**Matrix: Water**
**Analysis Batch: 28082**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 27970**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | ND | | 0.050 | 0.050 | mg/L | | 06/10/25 12:28 | 06/11/25 12:02 | 1 |

**Lab Sample ID: LCS 885-27970/5-A**
**Matrix: Water**
**Analysis Batch: 28082**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 27970**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.250 | 0.250 | | mg/L | | 100 | 90 - 110 |

**Lab Sample ID: MRL 885-27970/4-A**
**Matrix: Water**
**Analysis Batch: 28082**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 27970**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.0500 | ND | | mg/L | | 89 | 50 - 150 |

## Method: 365.1 - Phosphorus, Total (Continued)

**Lab Sample ID: MB 885-28279/3-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 28336** — **Prep Batch: 28279**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | ND | | 0.050 | 0.050 | mg/L | | 06/13/25 12:55 | 06/14/25 08:17 | 1 |

**Lab Sample ID: LCS 885-28279/5-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 28336** — **Prep Batch: 28279**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.250 | 0.242 | | mg/L | | 97 | 90 - 110 |

**Lab Sample ID: MRL 885-28279/4-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 28336** — **Prep Batch: 28279**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.0500 | ND | | mg/L | | 93 | 50 - 150 |

**Lab Sample ID: 885-26070-1 MS** — **Client Sample ID: RG-North20250604**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 28336** — **Prep Batch: 28279**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.061 | | 0.250 | 0.314 | | mg/L | | 101 | 90 - 110 |

**Lab Sample ID: 885-26070-1 MSD** — **Client Sample ID: RG-North20250604**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 28336** — **Prep Batch: 28279**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.061 | | 0.250 | 0.315 | | mg/L | | 102 | 90 - 110 | 0 | 20 |

## Method: 5210 B-2016 - BOD, 5-Day

**Lab Sample ID: MB 192-35124/8-A** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 35333**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | 2.0 | 1.0 | mg/L | | | 06/05/25 10:45 | 1 |

**Lab Sample ID: MB 192-35333/10** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 35333**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | 2.0 | 1.0 | mg/L | | | 06/05/25 10:49 | 1 |

## Method: 5210 B-2016 - BOD, 5-Day (Continued)

**Lab Sample ID: MB 192-35333/4**
**Matrix: Water**
**Analysis Batch: 35333**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | 2.0 | 1.0 | mg/L | | | 06/05/25 10:33 | 1 |

**Lab Sample ID: USB 192-35333/1**
**Matrix: Water**
**Analysis Batch: 35333**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | USB Result | USB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | <0.2 | | 0.0000013 | 0.00000067 | mg/L | | | 06/05/25 10:19 | 1 |

**Lab Sample ID: LCS 192-35124/9-A**
**Matrix: Water**
**Analysis Batch: 35333**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 200 | 185 | | mg/L | | 92 | 85 - 115 |

**Lab Sample ID: LCS 192-35333/11**
**Matrix: Water**
**Analysis Batch: 35333**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 200 | 180 | | mg/L | | 90 | 85 - 115 |

**Lab Sample ID: LCS 192-35333/5**
**Matrix: Water**
**Analysis Batch: 35333**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 200 | 192 | | mg/L | | 96 | 85 - 115 |

## Method: 5220D - COD

**Lab Sample ID: MB 885-28844/4**
**Matrix: Water**
**Analysis Batch: 28844**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | 50 | 50 | mg/L | | | 06/19/25 13:17 | 1 |

**Lab Sample ID: LCS 885-28844/5**
**Matrix: Water**
**Analysis Batch: 28844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 500 | 512 | | mg/L | | 102 | 90 - 110 |

## Method: 5220D - COD (Continued)

**Lab Sample ID: MRL 885-28844/6**
**Matrix: Water**
**Analysis Batch: 28844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 50.0 | 53.8 | | mg/L | | 108 | 50 - 150 |

## Method: SM 2540D - Solids, Total Suspended (TSS)

**Lab Sample ID: MB 885-27898/1**
**Matrix: Water**
**Analysis Batch: 27898**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 06/09/25 15:59 | 1 |

**Lab Sample ID: LCSSRM 885-27898/2**
**Matrix: Water**
**Analysis Batch: 27898**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 100 | 96.8 | | mg/L | | 96.8 | 78.4 - 110.0 |

## Method: SM 4500 NH3 C - Ammonia

**Lab Sample ID: MB 885-28353/1-A**
**Matrix: Water**
**Analysis Batch: 28394**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 28353**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Ammonia | ND | | 0.67 | 0.28 | mg/L | | 06/16/25 07:33 | 06/16/25 07:33 | 1 |

**Lab Sample ID: LCS 885-28353/2-A**
**Matrix: Water**
**Analysis Batch: 28394**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 28353**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Ammonia | 10.0 | 9.80 | | mg/L | | 98 | 80 - 120 |

## Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

**Lab Sample ID: MB 160-721335/1-A**
**Matrix: Water**
**Analysis Batch: 721791**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 721335**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 0.3705 | U | 0.520 | 0.522 | 3.00 | 0.879 | pCi/L | 06/09/25 08:04 | 06/11/25 07:38 | 1 |
| Gross Beta | 0.4697 | U | 0.516 | 0.518 | 4.00 | 0.834 | pCi/L | 06/09/25 08:04 | 06/11/25 07:38 | 1 |

## Method: 900.0 - Gross Alpha and Gross Beta Radioactivity (Continued)

**Lab Sample ID: LCS 160-721335/2-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 721792**
**Prep Batch: 721335**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 49.5 | 58.24 | | 8.37 | 3.00 | 1.41 | pCi/L | 118 | 75 - 125 |

**Lab Sample ID: LCSB 160-721335/3-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 721791**
**Prep Batch: 721335**

| Analyte | Spike Added | LCSB Result | LCSB Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gross Beta | 69.7 | 69.86 | | 7.52 | 4.00 | 0.913 | pCi/L | 100 | 75 - 125 |

**Lab Sample ID: 885-26070-1 MS**
**Client Sample ID: RG-North20250604**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 721792**
**Prep Batch: 721335**

| Analyte | Sample Result | Sample Qual | Spike Added | MS Result | MS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 2.67 | | 59.2 | 55.46 | | 8.49 | 3.00 | 1.93 | pCi/L | 89 | 60 - 140 |

**Lab Sample ID: 885-26070-1 MSBT**
**Client Sample ID: RG-North20250604**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 721799**
**Prep Batch: 721335**

| Analyte | Sample Result | Sample Qual | Spike Added | MSBT Result | MSBT Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gross Beta | 4.00 | | 83.5 | 84.11 | | 9.04 | 4.00 | 0.962 | pCi/L | 96 | 60 - 140 |

**Lab Sample ID: 885-26070-1 DU**
**Client Sample ID: RG-North20250604**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 721799**
**Prep Batch: 721335**

| Analyte | Sample Result | Sample Qual | DU Result | DU Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | RER | RER Limit |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 2.67 | | 4.006 | | 1.97 | 3.00 | 2.41 | pCi/L | 0.37 | 1 |
| Gross Beta | 4.00 | | 4.657 | | 1.15 | 4.00 | 1.18 | pCi/L | 0.30 | 1 |

## Method: 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

**Lab Sample ID: MB 885-27624/1**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27624**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | ND | | 1.0 | 1.0 | MPN/100mL | | | 06/04/25 17:15 | 1 |

## GC/MS VOA

### Analysis Batch: 240649

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 624.1 | |
| MB 860-240649/10 | Method Blank | Total/NA | Water | 624.1 | |
| LCS 860-240649/3 | Lab Control Sample | Total/NA | Water | 624.1 | |
| LCSD 860-240649/4 | Lab Control Sample Dup | Total/NA | Water | 624.1 | |

## GC/MS Semi VOA

### Prep Batch: 241035

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 3511 | |
| MB 860-241035/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-241035/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-241035/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

### Analysis Batch: 241542

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-241035/1-A | Method Blank | Total/NA | Water | 625.1 | 241035 |
| LCS 860-241035/2-A | Lab Control Sample | Total/NA | Water | 625.1 | 241035 |
| LCSD 860-241035/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 | 241035 |

### Analysis Batch: 242172

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 625.1 | 241035 |

## GC Semi VOA

### Analysis Batch: 241050

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 608.3 | 241078 |
| MB 860-241078/1-A | Method Blank | Total/NA | Water | 608.3 | 241078 |
| LCS 860-241078/2-A | Lab Control Sample | Total/NA | Water | 608.3 | 241078 |
| LCSD 860-241078/3-A | Lab Control Sample Dup | Total/NA | Water | 608.3 | 241078 |

### Prep Batch: 241078

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 3511 | |
| MB 860-241078/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-241078/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-241078/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

## HPLC/IC

### Analysis Batch: 27638

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 300.0 | |
| MB 885-27638/4 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 885-27638/5 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MRL 885-27638/3 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 581226

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 218.6 | |

## HPLC/IC (Continued)

### Analysis Batch: 581226 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 570-581226/4 | Method Blank | Total/NA | Water | 218.6 | |
| LCS 570-581226/5 | Lab Control Sample | Total/NA | Water | 218.6 | |
| LCSD 570-581226/6 | Lab Control Sample Dup | Total/NA | Water | 218.6 | |

## LCMS

### Prep Batch: 856963

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 3535 | |
| MB 320-856963/1-A | Method Blank | Total/NA | Water | 3535 | |
| LCS 320-856963/2-A | Lab Control Sample | Total/NA | Water | 3535 | |
| LCSD 320-856963/3-A | Lab Control Sample Dup | Total/NA | Water | 3535 | |

### Analysis Batch: 857654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 537 (modified) | 856963 |
| MB 320-856963/1-A | Method Blank | Total/NA | Water | 537 (modified) | 856963 |
| LCS 320-856963/2-A | Lab Control Sample | Total/NA | Water | 537 (modified) | 856963 |
| LCSD 320-856963/3-A | Lab Control Sample Dup | Total/NA | Water | 537 (modified) | 856963 |

## Specialty Organics

### Prep Batch: 858301

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | HRMS-Sep | |
| MB 320-858301/1-A | Method Blank | Total/NA | Water | HRMS-Sep | |
| LCS 320-858301/2-A | Lab Control Sample | Total/NA | Water | HRMS-Sep | |
| LCSD 320-858301/3-A | Lab Control Sample Dup | Total/NA | Water | HRMS-Sep | |

### Analysis Batch: 859381

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 1668A | 858301 |
| MB 320-858301/1-A | Method Blank | Total/NA | Water | 1668A | 858301 |
| LCS 320-858301/2-A | Lab Control Sample | Total/NA | Water | 1668A | 858301 |
| LCSD 320-858301/3-A | Lab Control Sample Dup | Total/NA | Water | 1668A | 858301 |

## Metals

### Prep Batch: 27774

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total Recoverable | Water | 200.2 | |
| MB 885-27774/1-A | Method Blank | Total Recoverable | Water | 200.2 | |
| LCS 885-27774/6-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |
| LLCS 885-27774/5-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |

### Analysis Batch: 27955

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 885-27955/14 | Method Blank | Total/NA | Water | 200.8 | |
| LCS 885-27955/15 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-27955/12 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-27955/13 | Lab Control Sample | Total/NA | Water | 200.8 | |

## Metals

### Analysis Batch: 28009

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total Recoverable | Water | SM 2340B | |

### Analysis Batch: 28033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total Recoverable | Water | 200.7 Rev 4.4 | 27774 |
| MB 885-27774/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 27774 |
| LCS 885-27774/6-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 27774 |
| LLCS 885-27774/5-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 27774 |
| MRL 885-28033/13 | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | |

### Analysis Batch: 28899

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Dissolved | Water | 200.8 | |
| MB 885-28899/15 | Method Blank | Total/NA | Water | 200.8 | |
| LCS 885-28899/16 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-28899/13 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-28899/14 | Lab Control Sample | Total/NA | Water | 200.8 | |

### Analysis Batch: 28945

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Dissolved | Water | 200.8 | |
| MRL 885-28945/19 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-28945/20 | Lab Control Sample | Total/NA | Water | 200.8 | |

### Prep Batch: 725349

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 200.7/200.8 | |
| MB 160-725349/1-A | Method Blank | Total/NA | Water | 200.7/200.8 | |
| LCS 160-725349/2-A | Lab Control Sample | Total/NA | Water | 200.7/200.8 | |

### Analysis Batch: 725729

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 200.8 | 725349 |
| MB 160-725349/1-A | Method Blank | Total/NA | Water | 200.8 | 725349 |
| LCS 160-725349/2-A | Lab Control Sample | Total/NA | Water | 200.8 | 725349 |

## General Chemistry

### Analysis Batch: 27647

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 1664B | |
| MB 885-27647/1 | Method Blank | Total/NA | Water | 1664B | |
| LCS 885-27647/2 | Lab Control Sample | Total/NA | Water | 1664B | |
| LCSD 885-27647/3 | Lab Control Sample Dup | Total/NA | Water | 1664B | |
| MRL 885-27647/16 | Lab Control Sample | Total/NA | Water | 1664B | |
| MRL 885-27647/17 | Lab Control Sample | Total/NA | Water | 1664B | |
| MRL 885-27647/18 | Lab Control Sample | Total/NA | Water | 1664B | |

### Analysis Batch: 27734

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | SM 4500 H+ B | |

## General Chemistry

### Analysis Batch: 27898

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | SM 2540D | |
| MB 885-27898/1 | Method Blank | Total/NA | Water | SM 2540D | |
| LCSSRM 885-27898/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |

### Prep Batch: 27970

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-3 | RG-North20250604-Filtered | Dissolved | Water | 365.2/365.3/365 | |
| MB 885-27970/3-A | Method Blank | Total/NA | Water | 365.2/365.3/365 | |
| LCS 885-27970/5-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| MRL 885-27970/4-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |

### Analysis Batch: 28082

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-3 | RG-North20250604-Filtered | Dissolved | Water | 365.1 | 27970 |
| MB 885-27970/3-A | Method Blank | Total/NA | Water | 365.1 | 27970 |
| LCS 885-27970/5-A | Lab Control Sample | Total/NA | Water | 365.1 | 27970 |
| MRL 885-27970/4-A | Lab Control Sample | Total/NA | Water | 365.1 | 27970 |

### Analysis Batch: 28104

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 2540C | |
| MB 885-28104/1 | Method Blank | Total/NA | Water | 2540C | |
| LCS 885-28104/2 | Lab Control Sample | Total/NA | Water | 2540C | |

### Prep Batch: 28279

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 365.2/365.3/365 | |
| MB 885-28279/3-A | Method Blank | Total/NA | Water | 365.2/365.3/365 | |
| LCS 885-28279/5-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| MRL 885-28279/4-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| 885-26070-1 MS | RG-North20250604 | Total/NA | Water | 365.2/365.3/365 | |
| 885-26070-1 MSD | RG-North20250604 | Total/NA | Water | 365.2/365.3/365 | |

### Analysis Batch: 28336

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 365.1 | 28279 |
| MB 885-28279/3-A | Method Blank | Total/NA | Water | 365.1 | 28279 |
| LCS 885-28279/5-A | Lab Control Sample | Total/NA | Water | 365.1 | 28279 |
| MRL 885-28279/4-A | Lab Control Sample | Total/NA | Water | 365.1 | 28279 |
| 885-26070-1 MS | RG-North20250604 | Total/NA | Water | 365.1 | 28279 |
| 885-26070-1 MSD | RG-North20250604 | Total/NA | Water | 365.1 | 28279 |

### Prep Batch: 28353

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | SM 4500 NH3 B | |
| MB 885-28353/1-A | Method Blank | Total/NA | Water | SM 4500 NH3 B | |
| LCS 885-28353/2-A | Lab Control Sample | Total/NA | Water | SM 4500 NH3 B | |

### Analysis Batch: 28394

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | SM 4500 NH3 C | 28353 |

## General Chemistry (Continued)

### Analysis Batch: 28394 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 885-28353/1-A | Method Blank | Total/NA | Water | SM 4500 NH3 C | 28353 |
| LCS 885-28353/2-A | Lab Control Sample | Total/NA | Water | SM 4500 NH3 C | 28353 |

### Prep Batch: 28605

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 351.2 | |
| MB 885-28605/3-A | Method Blank | Total/NA | Water | 351.2 | |
| LCS 885-28605/5-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| MRL 885-28605/4-A | Lab Control Sample | Total/NA | Water | 351.2 | |

### Analysis Batch: 28733

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 351.2 | 28605 |
| MB 885-28605/3-A | Method Blank | Total/NA | Water | 351.2 | 28605 |
| LCS 885-28605/5-A | Lab Control Sample | Total/NA | Water | 351.2 | 28605 |
| MRL 885-28605/4-A | Lab Control Sample | Total/NA | Water | 351.2 | 28605 |

### Analysis Batch: 28844

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 5220D | |
| MB 885-28844/4 | Method Blank | Total/NA | Water | 5220D | |
| LCS 885-28844/5 | Lab Control Sample | Total/NA | Water | 5220D | |
| MRL 885-28844/6 | Lab Control Sample | Total/NA | Water | 5220D | |

### Cleanup Batch: 35124

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 192-35124/8-A | Method Blank | Total/NA | Water | Filtration | |
| LCS 192-35124/9-A | Lab Control Sample | Total/NA | Water | Filtration | |

### Analysis Batch: 35333

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 5210 B-2016 | |
| MB 192-35124/8-A | Method Blank | Total/NA | Water | 5210 B-2016 | 35124 |
| MB 192-35333/10 | Method Blank | Total/NA | Water | 5210 B-2016 | |
| MB 192-35333/4 | Method Blank | Total/NA | Water | 5210 B-2016 | |
| USB 192-35333/1 | Method Blank | Total/NA | Water | 5210 B-2016 | |
| LCS 192-35124/9-A | Lab Control Sample | Total/NA | Water | 5210 B-2016 | 35124 |
| LCS 192-35333/11 | Lab Control Sample | Total/NA | Water | 5210 B-2016 | |
| LCS 192-35333/5 | Lab Control Sample | Total/NA | Water | 5210 B-2016 | |

## Rad

### Prep Batch: 721335

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | Evaporation | |
| MB 160-721335/1-A | Method Blank | Total/NA | Water | Evaporation | |
| LCS 160-721335/2-A | Lab Control Sample | Total/NA | Water | Evaporation | |
| LCSB 160-721335/3-A | Lab Control Sample | Total/NA | Water | Evaporation | |
| 885-26070-1 MS | RG-North20250604 | Total/NA | Water | Evaporation | |
| 885-26070-1 MSBT | RG-North20250604 | Total/NA | Water | Evaporation | |
| 885-26070-1 DU | RG-North20250604 | Total/NA | Water | Evaporation | |

# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Biology

### Analysis Batch: 27624

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26070-1 | RG-North20250604 | Total/NA | Water | 9223B | |
| 885-26070-2 | RG-Alameda20250604 | Total/NA | Water | 9223B | |
| MB 885-27624/1 | Method Blank | Total/NA | Water | 9223B | |

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Client Sample ID: RG-North20250604
**Lab Sample ID: 885-26070-1**

**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 624.1 | | 1 | 240649 | NA | EET HOU | 06/06/25 14:25 |
| Total/NA | Prep | 3511 | | | 241035 | DR | EET HOU | 06/10/25 05:00 |
| Total/NA | Analysis | 625.1 | | 1 | 242172 | SC | EET HOU | 06/13/25 08:24 |
| Total/NA | Prep | 3511 | | | 241078 | CT | EET HOU | 06/09/25 09:59 |
| Total/NA | Analysis | 608.3 | | 1 | 241050 | KM | EET HOU | 06/09/25 17:17 |
| Total/NA | Analysis | 218.6 | | 1 | 581226 | YO8L | EET CAL 4 | 06/09/25 05:38 |
| Total/NA | Analysis | 300.0 | | 1 | 27638 | RC | EET ALB | 06/05/25 16:27 |
| Total/NA | Prep | 3535 | | | 856963 | BMS | EET SAC | 06/12/25 04:30 |
| Total/NA | Analysis | 537 (modified) | | 1 | 857654 | KN | EET SAC | 06/14/25 14:36 |
| Total/NA | Prep | HRMS-Sep | | | 858301 | KSM | EET SAC | 06/18/25 09:51 |
| Total/NA | Analysis | 1668A | | 1 | 859381 | ERR | EET SAC | 06/24/25 05:46 |
| Total Recoverable | Prep | 200.2 | | | 27774 | JF | EET ALB | 06/06/25 11:43 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 28033 | JR | EET ALB | 06/10/25 14:44 |
| Dissolved | Analysis | 200.8 | | 1 | 28899 | BV | EET ALB | 06/23/25 17:06 |
| Dissolved | Analysis | 200.8 | | 1 | 28945 | BV | EET ALB | 06/24/25 13:10 |
| Total/NA | Prep | 200.7/200.8 | | | 725349 | LKP | EET SL | 07/01/25 14:54 |
| Total/NA | Analysis | 200.8 | | 2 | 725729 | LKP | EET SL | 07/02/25 18:03 |
| Total Recoverable | Analysis | SM 2340B | | 1 | 28009 | JF | EET ALB | 06/10/25 16:25 |
| Total/NA | Analysis | 1664B | | 1 | 27647 | SS | EET ALB | 06/05/25 16:00 |
| Total/NA | Analysis | 2540C | | 1 | 28104 | KS | EET ALB | 06/11/25 16:35 |
| Total/NA | Prep | 351.2 | | | 28605 | EH | EET ALB | 06/18/25 15:52 |
| Total/NA | Analysis | 351.2 | | 1 | 28733 | EH | EET ALB | 06/20/25 09:03 |
| Total/NA | Prep | 365.2/365.3/365 | | | 28279 | ES | EET ALB | 06/13/25 12:55 |
| Total/NA | Analysis | 365.1 | | 1 | 28336 | ES | EET ALB | 06/14/25 08:21 |
| Total/NA | Analysis | 5210 B-2016 | | 1 | 35333 | SEK | EET ARK | 06/05/25 12:53 |
| Total/NA | Analysis | 5220D | | 1 | 28844 | KH | EET ALB | 06/19/25 13:17 |
| Total/NA | Analysis | SM 2540D | | 1 | 27898 | KS | EET ALB | 06/09/25 15:59 |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | 27734 | DL | EET ALB | 06/05/25 16:58 |
| Total/NA | Prep | SM 4500 NH3 B | | | 28353 | DL | EET ALB | 06/16/25 07:33 |
| Total/NA | Analysis | SM 4500 NH3 C | | 1 | 28394 | DL | EET ALB | 06/16/25 07:33 |
| Total/NA | Prep | Evaporation | | | 721335 | MEH | EET SL | 06/09/25 08:04 |
| Total/NA | Analysis | 900.0 | | 1 | 721791 | SWS | EET SL | 06/11/25 07:39 |
| Total/NA | Analysis | Gross Alpha Adj | | 1 | 726516 | SCB | EET SL | 07/02/25 18:03 |
| Total/NA | Analysis | 9223B | | 1 | 27624 | DR | EET ALB | 06/04/25 17:15 |

## Client Sample ID: RG-Alameda20250604
**Lab Sample ID: 885-26070-2**

**Date Collected: 06/04/25 15:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 9223B | | 1 | 27624 | DR | EET ALB | 06/04/25 17:15 |

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Client Sample ID: RG-North20250604-Filtered
## Lab Sample ID: 885-26070-3

**Date Collected: 06/04/25 14:40**
**Matrix: Water**
**Date Received: 06/04/25 16:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Dissolved | Prep | 365.2/365.3/365 | | | 27970 | ES | EET ALB | 06/10/25 12:28 |
| Dissolved | Analysis | 365.1 | | 1 | 28082 | ES | EET ALB | 06/11/25 12:16 |

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET ARK = Eurofins Arkansas, 8600 Kanis Rd, Little Rock, AR 72204, TEL (501)224-5060

EET CAL 4 = Eurofins Calscience  Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Oregon | NELAP | NM100001 | 02-26-26 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 351.2 | 351.2 | Water | Nitrogen, Total Kjeldahl |
| 5220D | | Water | Chemical Oxygen Demand |
| 9223B | | Water | Escherichia coli |

## Laboratory: Eurofins Arkansas

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arkansas DEQ | State | 60-00889 | 03-02-26 |
| Florida | NELAP | E871188 | 06-30-25 |
| Iowa | State | 436 | 10-02-25 |
| Louisiana (All) | NELAP | 01946 | 06-30-25 |
| Oklahoma | State | 8709 | 08-31-25 |
| Oregon | NELAP | 4192 | 07-11-25 |
| Texas | NELAP | T104704575 | 06-25-25 |
| Washington | State | C1087 | 07-13-25 |

## Laboratory: Eurofins Calscience

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| A2LA | Dept. of Defense ELAP | 7296.01 | 11-30-26 |
| A2LA | ISO/IEC 17025 | 7296.01 | 11-30-26 |
| Arizona | State | AZ0830 | 11-16-25 |
| Arkansas DEQ | State | 88-01672 | 07-02-25 |
| California | Los Angeles County Sanitation Districts | 9257304 | 07-31-26 |
| California | SCAQMD LAP | 17LA0919 | 11-30-25 |
| California | State | 3082 | 07-01-25 |
| Kansas | NELAP | E-10420 | 07-31-25 |
| Nevada | State | CA00111 | 07-31-25 |
| Oregon | NELAP | 4175 | 02-02-26 |
| USDA | US Federal Programs | 525-23-159-97150 | 06-08-26 |
| Utah | NELAP | CA00111 | 02-28-26 |
| Washington | State | C916 | 10-11-25 |

## Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arkansas DEQ | State | 88-00759 | 08-04-25 |
| Florida | NELAP | E871002 | 06-30-25 |
| Louisiana (All) | NELAP | 03054 | 06-30-25 |
| Oklahoma | NELAP | 1306 | 08-31-25 |
| Texas | NELAP | T104704215 | 06-30-25 |
| Texas | TCEQ Water Supply | T104704215 | 12-28-25 |
| USDA | US Federal Programs | 525-23-79-79507 | 03-20-26 |

# Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Laboratory: Eurofins Sacramento

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alaska (UST) | State | 17-020 | 02-20-27 |
| ANAB | Dept. of Defense ELAP | L2468 | 01-20-27 |
| ANAB | Dept. of Energy | L2468.01 | 01-20-27 |
| ANAB | ISO/IEC 17025 | L2468.03 | 01-20-27 |
| Arizona | State | AZ0708 | 08-11-25 |
| Arkansas DEQ | State | 88-0691 | 05-18-26 |
| California | State | 2897 | 01-31-26 |
| Colorado | State | CA00044 | 08-31-25 |
| Florida | NELAP | E87570 | 06-30-25 |
| Georgia | State | 4040 | 01-29-26 |
| Illinois | NELAP | 200060 | 03-31-26 |
| Kansas | NELAP | E-10375 | 10-31-25 |
| Louisiana | NELAP | 01944 | 06-30-25 |
| Louisiana (All) | NELAP | 01944 | 06-30-25 |
| Maine | State | CA00004 | 04-14-26 |
| Massachusetts | State | M-CA044 | 06-30-26 |
| Michigan | State | 9947 | 01-29-26 |
| Minnesota | NELAP | 2749448 | 12-31-25 |
| Nevada | State | CA00044 | 07-31-25 |
| New Jersey | NELAP | CA005 | 06-30-25 |
| New York | NELAP | 11666 | 04-01-26 |
| Ohio | State | 41252 | 01-29-26 |
| Oregon | NELAP | 4040 | 07-06-25 |
| Texas | NELAP | T104704399-23-17 | 06-25-25 |
| US Fish & Wildlife | US Federal Programs | A22139 | 04-30-26 |
| USDA | US Federal Programs | P330-18-00239 | 02-28-26 |
| Utah | NELAP | CA000442023-16 | 02-28-26 |
| Virginia | NELAP | 460278 | 03-14-26 |
| Washington | State | C581 | 05-06-26 |
| West Virginia (DW) | State | 9930C | 02-01-26 |
| West Virginia DEP | State | 422 | 03-28-26 |
| Wisconsin | State | 998204680 | 08-31-25 |
| Wyoming | State Program | 8TMS-L | 01-28-19 * |

## Laboratory: Eurofins St. Louis

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alaska (UST) | State | 20-001 | 05-06-27 |
| ANAB | Dept. of Defense ELAP | L2305 | 04-06-27 |
| ANAB | Dept. of Energy | L2305.01 | 04-06-27 |
| ANAB | ISO/IEC 17025 | L2305 | 04-06-27 |
| Arizona | State | AZ0813 | 12-08-25 |
| California | Los Angeles County Sanitation Districts | 10259 | 06-30-22 * |
| California | State | 2886 | 06-30-25 * |
| Connecticut | State | PH-0241 | 03-31-27 |
| Florida | NELAP | E87689 | 06-30-26 |
| HI - RadChem Recognition | State | n/a | 06-30-25 * |
| Illinois | NELAP | 200023 | 11-30-25 |
| Iowa | State | 373 | 12-01-26 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26070-1
Project/Site: CMC

## Laboratory: Eurofins St. Louis (Continued)

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Kansas | NELAP | E-10236 | 10-31-25 |
| Kentucky (DW) | State | KY90125 | 12-31-25 |
| Kentucky (WW) | State | KY90125 (Permit KY0004049) | 12-31-25 |
| Louisiana (All) | NELAP | 106151 | 06-30-26 |
| Louisiana (DW) | State | LA011 | 12-31-25 |
| Maryland | State | 310 | 09-30-25 |
| Massachusetts | State | M-MO054 | 06-30-26 |
| MI - RadChem Recognition | State | 9005 | 06-30-25 * |
| Missouri | State | 780 | 06-30-25 * |
| Nevada | State | MO00054 | 07-31-25 |
| New Jersey | NELAP | MO002 | 06-30-26 |
| New Mexico | State | MO00054 | 06-30-25 * |
| New York | NELAP | 11616 | 03-31-26 |
| North Carolina (DW) | State | 29700 | 08-02-25 |
| North Dakota | State | R-207 | 06-30-25 * |
| Oklahoma | NELAP | 9997 | 08-31-25 |
| Oregon | NELAP | 4157 | 09-01-25 |
| Pennsylvania | NELAP | 68-00540 | 02-28-26 |
| South Carolina | State | 85002 | 06-30-25 * |
| Texas | NELAP | T104704193 | 07-31-25 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-25 |
| USDA | US Federal Programs | 525-23-138-94730 | 05-18-26 |
| Utah | NELAP | MO00054 | 07-31-25 |
| Virginia | NELAP | 460230 | 06-14-26 |
| Washington | State | C592 | 08-30-25 |
| West Virginia DEP | State | 381 | 10-31-25 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Chain-of-Custody Record

Client: AMAFCA

Mailing Address: 2600 PROSPECT AVE, NE
ALBUQUERQUE, NM 87107

Phone #: (505) 362-7342

email or Fax#: PCHAVEZ@AMAFCA.ORG

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: CMC

Project #:

Project Manager: PATRICK CHAVEZ

Sampler: INTERA INC - Jim Joseph

On Ice: ☑ Yes ☐ No

# of Coolers: 1 MOSO

Cooler Temp(including CF): 16.8+0.2=17.0(°C)

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107
885-26070 COC

**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # * | Preservative Type | HEAL No. | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | 9223B E. COLI | SEE ATTACHED LIST | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6/4/25 | 1440 | AQ | RG-NORTH20250604 | 100ml PLASTIC 1 | | | | | | | | | | | | | X | X | | | | |
| 6/4/25 | 1540 | AQ | RG-ALAMEDA20250604 | 100ml PLASTIC 1 | | | | | | | | | | | | | X | X | | | | |

| Date | Time | Relinquished by | Received by | Via | Date | Time |
|---|---|---|---|---|---|---|
| 6/4/25 | 16:45 | | SCM | CDO | 6/4/25 | 1645 |
| Date | Time | Relinquished by | Received by | Via | Date | Time |

Remarks:
AQ = AQUEOUS SURFACE WATER
HAND DELIVERED ON ICE TO LAB
* SEE ATTACHED LISTS FOR BOTTLES & PRESERVATIVES

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report

Page 1 of 1
7/15/2025

eurofins | Environment Testing

| | | | |
|---|---|---|---|
| **Invoice No.** | 8850014778 | **Invoice Date** | February 06, 2025 |
| **Terms** | Net 45 days | **Federal Tax ID** | 84-4494460 |
| **Remit to** | Eurofins Environment Testing South Central LLC PO Box 3895 Carol Stream, IL 60132 | | |
| **Wire** | Citibank ABA: 031100209 Acct# 31485573 SWIFT Code: CITIUS33 | | |
| **ACH** | Citibank ABA: 031100209 Acct# 31485573 SWIFT Code: CITIUS33 | | |

| Bill to: | Ship to: |
|---|---|
| Albuquerque Metropolitan Arroyo Flood Control Authority<br>Attn: Accounts Payable<br>2600 Prospect Ave NE<br>Albuquerque, NM 87107 | Daniel B. Stephens & Associates Inc.<br>6020 Academy Road NE<br>Suite 100<br>Albuquerque, NM 87109 |

| P.O. Number | W.O. Number | Contract Number | Work Ordered by |
|---|---|---|---|
| DB23.1263 | | | Eben Jones<br>(505) 822-9400 |
| **Job Description** | **Site Name** | **SDG Number** | **Invoice Contact** |
| See below | | | Patrick Chavez |

| Job No. | Job Description / Method/Test Description | Receipt Date | Quantity | Unit Price | Amount |
|---|---|---|---|---|---|
| J8362-1 | CMC | 07/19/2024 | | | |
| | 900.0 - Adjusted Gross Alpha | | 2.00 | 125.00 | 250.00 |
| | 1668A - Full List (209) | | 2.00 | 1,100.00 | 2,200.00 |
| | 537.1 - EPA 537.1 18 Analytes | | 4.00 | 450.00 | 1,800.00 |
| | 608.3 - 608 Dieldrin | | 2.00 | 215.00 | 430.00 |
| | 625.1 - Polycyclic Aromatic Hydrocarbons (PAHs) | | 2.00 | 370.00 | 740.00 |
| | 8260C - Tetrahydrofuran (THF) | | 2.00 | 130.00 | 260.00 |
| | 1664B - HEM | | 2.00 | 95.00 | 190.00 |
| | 200.7 Rev 4.4 - Total Recoverable 200.7 Ca Mg | | 2.00 | 60.00 | 120.00 |
| | 200.8 - Dissolved 200.8 Diss Cu Pb | | 2.00 | 60.00 | 120.00 |
| | 2540C - Total Dissolved Solids | | 2.00 | 35.00 | 70.00 |
| | SM 2540D - Total Suspended Solids | | 2.00 | 35.00 | 70.00 |
| | 300.0 - Nitrate + Nitrite as N | | 1.00 | 35.00 | 35.00 |
| | 300.0 - Nitrate & Nitrite | | 1.00 | 35.00 | 35.00 |
| | 351.2 - Total Kjeldahl Nitrogen | | 2.00 | 45.00 | 90.00 |
| | 365.1 - Dissolved Total Phosphorus | | 2.00 | 45.00 | 90.00 |
| | 365.1 - Total Phosphorus | | 2.00 | 45.00 | 90.00 |
| | 5220D - COD | | 2.00 | 50.00 | 100.00 |
| | 9223B - E. Coli | | 1.00 | 65.00 | 65.00 |
| | SM 2340B - Total Recoverable Hardness Calc | | 2.00 | 30.00 | 60.00 |
| | SM 4500 H+ B - pH | | 2.00 | 35.00 | 70.00 |
| | SM 4500 NH3 B - Distillation, Ammonia | | 2.00 | 35.00 | 70.00 |
| | SM 4500 NH3 C - Ammonia | | 2.00 | 35.00 | 70.00 |
| | SM5210B - Biochemical Oxygen Demand | | 2.00 | 65.00 | 130.00 |
| | 3500 Cr C-11 - 3500Cr C-2011 Cr6 | | 2.00 | 150.00 | 300.00 |
| | Supplies - Filters | | 2.00 | 10.00 | 20.00 |
| | Sample Disposal and Bottle Charges | | 1.00 | 6.00 | 6.00 |

6/4/25
SAMPLE RG-NORTH 20250604
ANALYTE LIST
ATTACHED TO CHAIN-OF-CUSTODY FORM



This invoice falls under Eurofins Environment Testing South Central Standard T&C's of Net 30 Days unless superseded by another valid contract vehicle in place at the time these services were rendered Make payments at https://smartpay.profitstars.com/express/CUS131EETSC



885-26070 Waybill

ORIGIN ID:ABQA (505) 345-3975
SAMPLE RECEIVING
HALL ENVIRONMENTAL
4901 HAWKINS NE

ALBUQUERQUE, NM 87109
UNITED STATES US

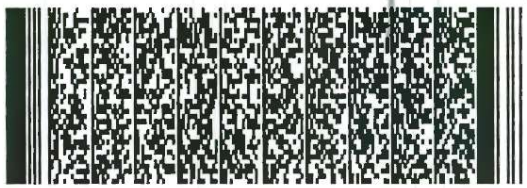
SHIP DATE: 05JUN25
ACTWGT: 20.00 LB
CAD: 1717027/INET4535

BILL SENDER

TO SAMPLE RECIEVING
EUROFINS TUSTIN
2841 DOW AVE
SUITE 100
TUSTIN CA 92780

(714) 895-5494 REF:
INV:
PO: DEP





FedEx Express

FRI - 06 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 8818 1476 4427

92780
SNA

XW DTHA

CA-US



**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5232.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-26070-1 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 6/30/2025 | | | |
| City: Earth City | TAT Requested (days): N/A | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | |

Analysis Requested

Preservation Codes: -

Other: N/A

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 900.0/Evaporation Standard Target List | GrAlAdjUnc_Calc | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| Preservation Code: | | | | | | | | | | |
| RG-North20250604 (885-26070-1) | 6/4/25 | 14:40 Mountain | G | Water | | | X | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| ***Possible Hazard Identification*** *Unconfirmed* | ***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
|---|---|
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | [signature] | 6/5/25 1545 | | [signature] | 0810 JUN 06 2025 | |
| 2 | Relinquished by: | Date/Time: | Company | Received by: Cheyenne Forrest | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver: 10/10/2024

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5218.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing South Centr | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-26070-1 |
| Address: 8600 Kanis Rd, , | Due Date Requested: 6/30/2025 | | | Preservation Codes: - |
| City: Little Rock | TAT Requested (days): N/A | | | |
| State, Zip: AR, 72204 | | | | |
| Phone: 501-224-5060(Tel) 501-224-5075(Fax) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: Dry Season | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | Other: N/A |

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SM5210B_Calc/ BOD | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| RG-North20250604 (885-26070-1) | 6/4/25 | 14:40 Mountain | G | Water | | | X | 1 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification: Unconfirmed | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
|---|---|
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | [signature] | 6/4/25 1700 | | [signature] | 6/5/25 907 | |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.5 |
|---|---|---|

8817 9627 9569

Ver: 10/10/2024



7/15/2025

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5225.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing Northern Ca | | Accreditations Required (See note): NELAP Oregon | | Job #: 885-26070-1 |
| Address: 880 Riverside Parkway | Due Date Requested: 6/27/2025 | | | |
| City: West Sacramento | TAT Requested (days): N/A | | | |
| State, Zip: CA, 95605 | | | | |
| Phone: 916-373-5600(Tel) 916-372-1059(Fax) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | |

**Analysis Requested**

**Preservation Codes**

Other: N/A

| Sample Identification Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1668A/HRMS_Sep_F Full List (209) | 537 1/537 1_Prep EPA 537 List (14 Analytes) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | |
| RG-North20250604 (885-26070-1) | 6/4/25 | 14.40 Mountain | G | Water | | | X | X | 5 | J and MDL |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I II, III, IV Other (specify) Primary Deliverable Rank. 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | [signature] | 6/5/25 1455 | | [signature] | 6.6.25 915 | EEPAC |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|
| (3) | Seal | 6.7c |

Ver: 10/10/2024

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environm

Loc: 885
26070

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5223.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing Southwest, | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-26070-1 |
| Address: 2841 Dow Avenue, Suite 100, , | Due Date Requested: 6/26/2025 | | | Preservation Codes: - |
| City: Tustin | TAT Requested (days): N/A | | | |
| State, Zip: CA, 92780 | | | | |
| Phone: 714-895-5494(Tel) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | Other: N/A |

Analysis Requested

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 218.6_Pres_ORGF/ Hexavalent Chromium | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| RG-North20250604 (885-26070-1) | 6/4/25 | 14:40 Mountain | G | Water | | | X | 1 | |

885-26070 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| ***Possible Hazard Identification*** | ***Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)*** |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| | 6/5/25 1440 | | Fedex | | |
| Relinquished by: Fedex | Date/Time: | Company | Received by: | Date/Time: 6/6/25 9:45 | Company EC |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.5 \| 4.0 SC \| |
|---|---|---|

Ver: 10/10/2024

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5219.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing South Centr | | Accreditations Required (See note): NELAP Oregon | | Job #: 885-26070-1 |
| Address: 4145 Greenbriar Dr | Due Date Requested: 6/18/2025 | | | |
| City: Stafford | TAT Requested (days): N/A | | | |
| State, Zip: TX, 77477 | | | | |
| Phone: 281-240-4200(Tel) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | |

| Sample Identification Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 608.3/3611 (MOD) Dieldrin only | 625.1/625_Prep 625.1 Client PAH | 624.1/624_Prep_3D Tetrahydrofuran (THF) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| RG-North20250604 (885-26070-1) | 6/4/25 | 14:40 Mountain | G | Water | | | X | X | X | 3 | J and MDLs |

Analysis Requested

Preservation Codes:

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| | 6/5/25 1405 | | | 6/6 | |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver 10/10/2024



7/15/2025

eurofins | Environment Testing

# Sacramento Sample Receiving Notes (SSRN)

Tracking # 881419864 60

Job _____ 885-26070 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L-11 Corr Factor ( + / - ) _____ °C

Ice_____ Wet_____ Gel 1 Other _____

Cooler Custody Seal. Yes

Cooler ID _____

Temp Observed 5.7 °C Corrected 5.7 °C

From Temp Blank ☐ Sandwich ☒ Sidewall ☐

| Opening/Processing The Shipment | Yes | No | NA |
|---|---|---|---|
| Cooler compromised/tampered with? | ☐ | ☒ | ☐ |
| Cooler Temperature is acceptable? | ☒ | ☐ | ☐ |
| Frozen samples show signs of thaw? | ☐ | ☐ | ☒ |

Initials JB Date 6/6/25

| Unpacking/Labeling The Samples | Yes | No | NA |
|---|---|---|---|
| Containers are not broken or leaking? | ☒ | ☐ | ☐ |
| Samples compromised/tampered with? | ☐ | ☒ | ☐ |
| COC is complete w/o discrepancies | ☒ | ☐ | ☐ |
| Sample custody seal? | ☐ | ☐ | ☒ |
| Sample containers have legible labels? | ☒ | ☐ | ☐ |
| Sample date/times are provided? | ☒ | ☐ | ☐ |
| Appropriate containers are used? | ☒ | ☐ | ☐ |
| Sample bottles are completely filled? | ☒ | ☐ | ☐ |
| Sample preservatives verified? | ☐ | ☐ | ☒ |
| Is the Field Sampler's name on COC? | ☐ | ☐ | ☒ |
| Samples w/o discrepancies? | ☒ | ☐ | ☐ |
| Zero headspace?* | ☐ | ☐ | ☒ |
| Alkalinity has no headspace? | ☐ | ☐ | ☒ |
| Perchlorate has headspace? (Methods 314, 331 6850) | ☐ | ☐ | ☒ |
| Multiphasic samples are not present? | ☒ | ☐ | ☐ |

*Containers requiring zero headspace have no headspace or bubble < 6 mm (1/4")

Initials JB Date 6/6/25

Notes _____

Trizma Lot #(s) 0000326568

Ammonium Acetate Lot #(s) _____

| Login Completion | Yes | No | NA |
|---|---|---|---|
| Receipt Temperature on COC? | ☒ | ☐ | ☐ |
| NCM Filed? | ☐ | ☐ | ☒ |
| Samples received within hold time? | ☐ | ☐ | ☒ |
| Log Release checked in TALS? | ☐ | ☐ | ☒ |

Initials JB Date: 6/6/25

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

**Login Number: 26070**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

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

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

**Login Number: 26070**
**List Number: 2**
**Creator: Stephens, Ren**

**List Source: Eurofins Arkansas**
**List Creation: 06/05/25 11:05 AM**

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

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

**Login Number: 26070**
**List Number: 6**
**Creator: Mills, Mary**

**List Source: Eurofins Calscience**
**List Creation: 06/06/25 06:28 PM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 4.0 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

**Login Number: 26070**
**List Number: 3**
**Creator: Silva, Daniel**

**List Source: Eurofins Houston**
**List Creation: 06/06/25 10:05 AM**

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

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

**Login Number: 26070**
**List Number: 5**
**Creator: Simmons, Jason C**

**List Source: Eurofins Sacramento**
**List Creation: 06/06/25 12:22 PM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | Seal |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 5.7c |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26070-1

**Login Number: 26070**
**List Number: 4**
**Creator: Forrest, Cheyenne L**

**List Source: Eurofins St. Louis**
**List Creation: 06/06/25 12:20 PM**

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

eurofins | Environment Testing

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Patrick Chavez
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect Ave NE
Albuquerque, New Mexico 87107

Generated 7/9/2025 6:54:30 AM

## JOB DESCRIPTION

CMC

## JOB NUMBER

885-26174-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



myEOL

# Eurofins Albuquerque

## Job Notes

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

## Authorization



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Authorized for release by
Erin Munoz, Project Manager
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## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description |
|---|---|
| H | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1- | Surrogate recovery exceeds control limits, low biased. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| p | The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported. |
| S1+ | Surrogate recovery exceeds control limits, high biased. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### LCMS

| Qualifier | Qualifier Description |
|---|---|
| *1 | LCS/LCSD RPD exceeds control limits. |
| ^+ | Continuing Calibration Verification (CCV) is outside acceptance limits, high biased. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Dioxin

| Qualifier | Qualifier Description |
|---|---|
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| q | The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### General Chemistry

| Qualifier | Qualifier Description |
|---|---|
| H | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. |
| HF | Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Rad

| Qualifier | Qualifier Description |
|---|---|
| G | The Sample MDC is greater than the requested RL. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |

## Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

**Job Narrative**
**885-26174-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

**Receipt**
The samples were received on 6/5/2025 4:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.5°C.

**GC/MS VOA**
Method 624.1: The following sample was received outside of holding time: RG-SOUTH20250605 (885-26174-1).

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

**GC/MS Semi VOA**
Method 625.1_QQQ: The continuing calibration verification (CCV) associated with batch 860-242432 recovered above the upper control limit for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 860-242432/2).

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

**Pesticides/PCBs**
Method 608.3: The surrogate recovery for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with preparation batch 860-241782 and analytical batch 860-241937 was outside the upper control limits.

(LCS 860-241782/14-A) and (LCSD 860-241782/17-A)

Method 608.3: The DCB (Decachlorobiphenyl) surrogate recovery for the following samples was outside acceptance limits (low biased) on the primary column: RG-SOUTH20250605 (885-26174-1). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 608.3: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-241782 and analytical batch 860-241937 recovered outside control limits for the following analytes: Dieldrin. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

**PFAS**
Method 1633_Final: The following sample was found in large amber glass container not compatible with our automated SPE machine and 125ml of the sample was transferred into new a 125ml bottle for the extraction:RG-SOUTH20250605 (885-26174-1). The sample was fortified with Extracted Internal Standards (EIS), equilibrated, and extracted. Elevated reporting limits (RLs) are provided.

Method 1633_Final: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 320-858067 and analytical batch 320-858281 recovered outside control limits for Nonafluoro-3,6-dioxaheptanoic acid (NFDHA). The individual recoveries were within control limits.

Method 1633_Final: The continuing calibration verification (CCV) associated with batch 320-858281 recovered above the upper control limit for Nonafluoro-3,6-dioxaheptanoic acid (NFDHA). The samples and method blank (MB) associated with this CCV were non-detects, the low level laboratory control sample, laboratory control sample, and laboratory control sample duplicate (LLCS/LCS/LCSD) were within control limits for the affected analyte; therefore, the data have been reported: RG-SOUTH20250605 (885-26174-1), (CCV 320-858281/12), (CCV 320-858281/24), (LCS 320-858067/3-A), (LCSD 320-858067/4-A), (LLCS 320-858067/2-A) and (MB 320-858067/1-A).

Method 1633_Final: The low level continuing calibration verification (CCVL) associated with batch 320-858658 recovered above the upper control limit for 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS). The sample associated with this CCV was non-detects for the affected analyte; therefore, the data have been reported. The associated samples are:RG-SOUTH20250605 (885-26174-1) and (CCVL 320-858658/2).

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

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

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

**General Chemistry**
Method 1664B_NP: Insufficient sample volume was available to perform a matrix spike (MS) associated with analytical batch 885-27844.

Method 2540C_SingleDry: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to initial run at x10 dilution, ND result. Second run at x2 dilution with reportable result. : RG-SOUTH20250605 (885-26174-1).

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

**Gas Flow Proportional Counter**
Method 900.0: Gross Alpha Beta Batch 722499

The detection goal was not met for the following sample due to a reduction of the sample size attributed to high residual mass: RG-SOUTH20250605 (885-26174-1). Analytical results are reported with the detection limit achieved.

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

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

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

06/05/2025 Rio Grande South full Suite sample with E.coli and PFAS. Alameda had an E.coli grab sample taken.

Field Parameters:
- Rio Grande - South
Temp = 24.1 $^{0}$C
pH = 7.61
Conductivity = 141.75
Dissolved Oxygen = 6.48
- Alameda
No Field Data was taken.

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

## Method: EPA 624.1 - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | H | 0.010 | 0.0018 | mg/L | | | 06/11/25 10:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *63 - 144* | | *06/11/25 10:51* | *1* |
| *4-Bromofluorobenzene (Surr)* | *87* | | *74 - 124* | | *06/11/25 10:51* | *1* |
| *Dibromofluoromethane (Surr)* | *94* | | *75 - 131* | | *06/11/25 10:51* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *80 - 120* | | *06/11/25 10:51* | *1* |

## Method: EPA 625.1 - Semivolatile Organic Compounds (GC-MS/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzidine | ND | | 2.9 | 0.45 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Benzo[a]anthracene | ND | | 0.29 | 0.082 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Benzo[a]pyrene | ND | | 0.29 | 0.070 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| 3,4-Benzofluoranthene | ND | | 0.57 | 0.066 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 2.9 | 1.4 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Chrysene | ND | | 0.57 | 0.082 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.11 | 0.051 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Dibenzofuran | ND | | 0.57 | 0.11 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.57 | 0.10 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Pentachlorophenol | ND | | 0.57 | 0.20 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |
| Benzo[k]fluoranthene | ND | | 0.57 | 0.047 | ug/L | | 06/11/25 13:00 | 06/14/25 04:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *42* | *S1-* | *43 - 130* | *06/11/25 13:00* | *06/14/25 04:37* | *1* |
| *2-Fluorophenol (Surr)* | *26* | | *19 - 120* | *06/11/25 13:00* | *06/14/25 04:37* | *1* |
| *Nitrobenzene-d5 (Surr)* | *56* | | *37 - 133* | *06/11/25 13:00* | *06/14/25 04:37* | *1* |
| *Phenol-d5 (Surr)* | *17* | | *8 - 124* | *06/11/25 13:00* | *06/14/25 04:37* | *1* |
| *p-Terphenyl-d14 (Surr)* | *32* | *S1-* | *47 - 130* | *06/11/25 13:00* | *06/14/25 04:37* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *51* | | *35 - 130* | *06/11/25 13:00* | *06/14/25 04:37* | *1* |

## Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | ND | *+ | 0.000055 | 0.000019 | mg/L | | 06/11/25 13:43 | 06/12/25 17:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *57* | | *45 - 115* | *06/11/25 13:43* | *06/12/25 17:39* | *1* |
| *Tetrachloro-m-xylene* | *103* | | *41 - 110* | *06/11/25 13:43* | *06/12/25 17:39* | *1* |

## Method: EPA 218.6 - Chromium, Hexavalent (Ion Chromatography)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chromium, hexavalent** | **0.072** | **J** | 0.20 | 0.051 | ug/L | | | 06/11/25 10:35 | 1 |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate** | **0.50** | | 0.10 | 0.020 | mg/L | | | 06/06/25 19:09 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/06/25 19:09 | 1 |
| **Nitrate Nitrite as N** | **0.50** | | 0.20 | 0.022 | mg/L | | | 06/06/25 19:09 | 1 |

## Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Perfluorobutanoic acid (PFBA)** | **1.9** | **J** | 3.7 | 0.93 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

## Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluoropentanoic acid (PFPeA) | 1.4 | J | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorohexanoic acid (PFHxA) | 1.1 | J | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorooctanoic acid (PFOA) | 0.85 | J | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 1.9 | 0.51 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 1.9 | 0.54 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | ND | | 1.9 | 0.75 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | 3.6 | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 0.75 | J | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 1.9 | 0.49 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 3.7 | 0.93 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluorooctanesulfonamide (PFOSA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | ND | | 9.3 | 2.3 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | *1 | 1.9 | 0.67 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | ND | | 3.7 | 0.93 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | ND | | 9.3 | 2.3 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | ND | | 9.3 | 2.3 | ng/L | | 06/17/25 12:29 | 06/18/25 18:13 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C4 PFBA* | *95.0* | | *5 - 130* | *06/17/25 12:29* | *06/18/25 18:13* | *1* |
| *13C5 PFPeA* | *130* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 18:13* | *1* |
| *13C5 PFHxA* | *130* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 18:13* | *1* |
| *13C4 PFHpA* | *126* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 18:13* | *1* |
| *13C8 PFOA* | *86.8* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 18:13* | *1* |
| *13C9 PFNA* | *94.5* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 18:13* | *1* |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

### Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 13C6 PFDA | 104 | | 40 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C7 PFUnA | 97.1 | | 30 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C2 PFDoA | 86.9 | | 10 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C2 PFTeDA | 60.6 | | 10 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C3 PFBS | 102 | | 40 - 135 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C3 PFHxS | 104 | | 40 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C8 PFOS | 101 | | 40 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C8 FOSA | 122 | | 40 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| 13C2 8:2 FTS | 141 | | 40 - 300 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| d9-N-EtFOSE-M | 83.8 | | 10 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| d5-NEtPFOSA | 90.5 | | 10 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |
| d3-NMePFOSA | 87.5 | | 10 - 130 | 06/17/25 12:29 | 06/18/25 18:13 | 1 |

### Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | ^+ | 3.7 | 0.93 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| **1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)** | **11** | | 3.7 | 0.93 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | ND | | 9.3 | 2.3 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | ND | | 1.4 | 0.36 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ND | | 1.9 | 0.54 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 1.9 | 0.46 | ng/L | | 06/17/25 12:29 | 06/19/25 23:28 | 1 |

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 13C5 PFHxA | 118 | | 40 - 130 | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| d3-NMeFOSAA | 81.1 | | 40 - 170 | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| d5-NEtFOSAA | 96.1 | | 25 - 135 | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| 13C2 4:2 FTS | 116 | | 40 - 200 | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| 13C2 6:2 FTS | 110 | | 40 - 200 | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| 13C3 HFPO-DA | 114 | | 40 - 130 | 06/17/25 12:29 | 06/19/25 23:28 | 1 |
| d7-N-MeFOSE-M | 72.0 | | 10 - 130 | 06/17/25 12:29 | 06/19/25 23:28 | 1 |

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 23 | 3.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-2 | ND | | 230 | 5.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-3 | ND | | 69 | 8.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-4 | ND | | 46 | 6.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-5 | ND | | 230 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-6 | ND | | 230 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-7 | ND | | 230 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-8 | ND | | 230 | 8.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-9 | ND | | 230 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-10 | ND | | 230 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-11 | 75 | J B | 230 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-12 | ND | | 460 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-13 | ND | | 460 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-14 | ND | | 230 | 4.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-15 | 7.9 | J q | 46 | 4.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-16 | ND | | 230 | 7.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-17 | ND | | 230 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-18 | 6.4 | J | 460 | 4.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-19 | ND | | 23 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-20 | ND | | 460 | 24 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-21 | ND | | 460 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-22 | 4.5 | J q | 230 | 3.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-23 | ND | | 230 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-24 | ND | | 230 | 3.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-25 | ND | | 230 | 4.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-26 | ND | | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-27 | ND | | 230 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-28 | ND | | 460 | 24 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-29 | ND | | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-30 | 6.4 | J | 460 | 4.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-31 | 11 | J | 230 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-32 | ND | | 230 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-33 | ND | | 460 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-34 | ND | | 230 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-35 | ND | | 230 | 4.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-36 | ND | | 230 | 6.5 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-37 | ND | | 23 | 6.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-38 | ND | | 230 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-39 | ND | | 230 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-40 | ND | | 460 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-41 | ND | | 230 | 9.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-42 | ND | | 230 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-43 | ND | | 230 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-44 | 21 | J q | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-45 | ND | | 460 | 8.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-46 | ND | | 230 | 4.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-47 | 21 | J q | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-48 | ND | | 230 | 5.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-49 | 8.7 | J q | 460 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-50 | ND | | 460 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-51 | ND | | 460 | 8.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-52 | 21 | J q | 230 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-53 | ND | | 460 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-54 | ND | | 23 | 9.5 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-55 | ND | | 230 | 8.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-56 | ND | | 230 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-57 | ND | | 230 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-58 | ND | | 230 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-59 | ND | | 690 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-60 | ND | | 230 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-61 | 26 | J | 920 | 22 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-62 | ND | | 690 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-63 | ND | | 230 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-64 | 9.2 | J q | 230 | 4.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-65 | 21 | J q | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-66 | ND | | 230 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-67 | ND | | 230 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-68 | ND | | 230 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-69 | 8.7 | J q | 460 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-70 | 26 | J | 920 | 22 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-71 | ND | | 460 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-72 | ND | | 230 | 8.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-73 | ND | | 230 | 6.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-74 | 26 | J | 920 | 22 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-75 | ND | | 690 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-76 | 26 | J | 920 | 22 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-77 | ND | | 23 | 7.5 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-78 | ND | | 230 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-79 | ND | | 230 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-80 | ND | | 230 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-81 | ND | | 23 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-82 | ND | | 230 | 7.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-83 | 21 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-84 | ND | | 230 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-85 | ND | | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-86 | 38 | J | 1400 | 33 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-87 | 38 | J | 1400 | 33 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-88 | ND | | 460 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-89 | ND | | 230 | 9.5 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-90 | 86 | J | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-91 | ND | | 460 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-92 | ND | | 230 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-93 | ND | | 460 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-94 | ND | | 230 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-95 | 64 | J | 230 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-96 | ND | | 230 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-97 | 38 | J | 1400 | 33 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-98 | ND | | 460 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-99 | 21 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-100 | ND | | 460 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-101 | 86 | J | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-102 | ND | | 460 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-103 | ND | | 230 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-104 | ND | | 23 | 5.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-105 | 27 | | 23 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-106 | ND | | 230 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-107 | ND | | 230 | 4.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-108 | ND | | 460 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-109 | 38 | J | 1400 | 38 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-110 | 83 | J | 460 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-111 | ND | | 230 | 3.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-112 | ND | | 230 | 7.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-113 | 86 | J | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-114 | ND | | 23 | 3.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-115 | 83 | J | 460 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-116 | ND | | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-117 | ND | | 690 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-118 | 58 | | 23 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-119 | 38 | J | 1400 | 33 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-120 | ND | | 230 | 6.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-121 | ND | | 230 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-122 | ND | | 230 | 2.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-123 | ND | | 23 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-124 | ND | | 460 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-125 | 38 | J | 1400 | 33 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-126 | ND | | 23 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-127 | ND | | 230 | 2.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-128 | 40 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-129 | 330 | J | 920 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-130 | ND | | 230 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-131 | ND | | 230 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-132 | 86 | J | 230 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-133 | ND | | 230 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-134 | ND | | 460 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-135 | 120 | J B | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-136 | 32 | J | 230 | 7.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-137 | 8.0 | J | 230 | 6.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-138 | 330 | J | 920 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-139 | ND | | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-140 | ND | | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-141 | 86 | J | 230 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-142 | ND | | 230 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-143 | ND | | 460 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-144 | 18 | J | 230 | 7.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-145 | ND | | 230 | 4.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-146 | 40 | J | 230 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-147 | 240 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-148 | ND | | 230 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-149 | 240 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-150 | ND | | 230 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-151 | 120 | J B | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-152 | ND | | 230 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-153 | 290 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-154 | ND | | 230 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-155 | ND | | 23 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-156 | 17 | J q | 46 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-157 | 17 | J q | 46 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-158 | 40 | J | 230 | 7.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-159 | ND | | 230 | 7.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-160 | 330 | J | 920 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-161 | ND | | 230 | 5.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-162 | ND | | 230 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-163 | 330 | J | 920 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-164 | 23 | J q | 230 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-165 | ND | | 230 | 5.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-166 | 40 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-167 | 10 | J q | 23 | 8.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-168 | 290 | J | 460 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-169 | 6.5 | J B q | 23 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-170 | 140 | J | 230 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-171 | 33 | J | 460 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-172 | 19 | J | 230 | 6.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-173 | 33 | J | 460 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-174 | 130 | J | 230 | 19 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-175 | 7.5 | J | 230 | 4.5 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-176 | 14 | J q | 230 | 5.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-177 | 70 | J | 230 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-178 | 39 | J | 230 | 4.8 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-179 | 42 | J | 230 | 7.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-180 | 280 | J | 460 | 9.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-181 | ND | | 230 | 5.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-182 | ND | | 230 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-183 | 75 | J | 230 | 7.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-184 | ND | | 230 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-185 | 19 | J | 230 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-186 | ND | | 230 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-187 | 130 | J | 230 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-188 | ND | | 23 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-189 | ND | | 23 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-190 | 26 | J q | 230 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-191 | ND | | 230 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-192 | ND | | 230 | 5.1 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-193 | 280 | J | 460 | 9.0 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-194 | 64 | J | 230 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-195 | 32 | J | 230 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-196 | 33 | J q | 230 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-197 | ND | | 230 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-198 | 64 | J | 460 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-199 | 64 | J | 460 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-200 | 8.3 | J | 230 | 6.7 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-201 | ND | | 230 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-202 | 10 | J | 23 | 4.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-203 | 38 | J | 230 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-204 | ND | | 230 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-205 | ND | | 23 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-206 | ND | | 23 | 9.5 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-207 | ND | | 230 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-208 | ND | | 23 | 4.4 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |
| PCB-209 | ND | | 23 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 06:50 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *69* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-3L* | *65* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-4L* | *67* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-15L* | *59* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-19L* | *64* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-37L* | *56* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-54L* | *51* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-77L* | *53* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-81L* | *56* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-104L* | *49* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-105L* | *57* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-114L* | *56* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-118L* | *56* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-123L* | *54* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-126L* | *63* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-155L* | *43* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-156L* | *55* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-156L/157L* | *55* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-157L* | *55* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-167L* | *53* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-169L* | *57* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-188L* | *44* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-189L* | *57* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-202L* | *52* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-205L* | *67* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-206L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-208L* | *62* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-209L* | *64* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *70* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-111L* | *79* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |
| *PCB-178L* | *90* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 06:50* | *1* |

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Calcium** | **74** | | 1.0 | 0.42 | mg/L | | 06/06/25 11:43 | 06/10/25 15:59 | 1 |
| **Magnesium** | **14** | | 1.0 | 0.064 | mg/L | | 06/06/25 11:43 | 06/10/25 15:59 | 1 |

### Method: EPA 200.8 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Uranium** | **3.5** | | 1.0 | 0.15 | ug/L | | 06/13/25 13:21 | 06/19/25 16:28 | 2 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605**
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

### Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.00050 | 0.00034 | mg/L | | | 06/25/25 16:13 | 1 |
| **Copper** | **0.00094** | | 0.00050 | 0.00030 | mg/L | | | 06/25/25 16:13 | 1 |

### Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **240** | | 6.6 | 2.5 | mg/L | | | 06/11/25 15:05 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) (1664B) | ND | | 8.9 | 8.9 | mg/L | | | 06/09/25 08:07 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **260** | **H** | 100 | 50 | mg/L | | | 06/18/25 17:14 | 1 |
| **Nitrogen, Total Kjeldahl (EPA 351.2)** | **1.5** | | 0.50 | 0.50 | mg/L | | 06/19/25 11:34 | 06/20/25 10:29 | 1 |
| **Total Phosphorus as P (EPA 365.1)** | **0.71** | | 0.050 | 0.050 | mg/L | | 06/10/25 12:28 | 06/11/25 12:34 | 1 |
| **Biochemical Oxygen Demand (SM 5210 B-2016)** | **2.9** | | 2.0 | 1.0 | mg/L | | | 06/06/25 13:33 | 1 |
| Chemical Oxygen Demand (SM 5220D) | ND | | 50 | 50 | mg/L | | | 06/19/25 13:17 | 1 |
| **Total Suspended Solids (SM 2540D)** | **730** | | 40 | 40 | mg/L | | | 06/11/25 11:37 | 1 |
| **pH (SM 4500 H+ B)** | **8.1** | **HF** | 0.1 | 0.1 | SU | | | 06/10/25 11:22 | 1 |
| **Ammonia (SM 4500 NH3 C)** | **0.28** | **J** | 0.67 | 0.28 | mg/L | | 06/16/25 07:33 | 06/16/25 07:33 | 1 |

### Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Gross Alpha** | **20.6** | **G** | 7.08 | 7.46 | 3.00 | 7.95 | pCi/L | 06/16/25 08:06 | 06/18/25 07:53 | 1 |
| **Gross Beta** | **15.9** | | 3.15 | 3.53 | 4.00 | 3.13 | pCi/L | 06/16/25 08:06 | 06/18/25 07:53 | 1 |

### Method: SM Gross Alpha Adj - Gross Alpha Adjusted

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| **Adjusted Gross Alpha** | **18.3** | | 7.09 | 7.47 | 3.00 | 7.95 | pCi/L | | 06/19/25 16:28 | 1 |

### Method: SM 9223B - Coliforms, Total, and E.Coli (Colilert - Quanti Tray)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Escherichia coli** | **908.0** | | 10.0 | 10.0 | MPN/100mL | | | 06/05/25 16:56 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-ALAMEDA20250605**
**Lab Sample ID: 885-26174-2**
**Date Collected: 06/05/25 12:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

**Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | 5794.0 | | 10.0 | 10.0 | MPN/100mL | | | 06/05/25 16:56 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

**Client Sample ID: RG-SOUTH20250605-Filtered**
**Lab Sample ID: 885-26174-3**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

**General Chemistry - Dissolved**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P (EPA 365.1) | 0.15 | | 0.050 | 0.050 | mg/L | | 06/10/25 12:28 | 06/11/25 12:35 | 1 |

# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PFBA | PFPeA | 13C5PHA | C4PFHA | C8PFOA | C9PFNA | C6PFDA | 13C7PUA |
| Lab Sample ID | Client Sample ID | (5-130) | (40-130) | (40-130) | (40-130) | (40-130) | (40-130) | (40-130) | (30-130) |
| 885-26174-1 | RG-SOUTH20250605 | 95.0 | 130 | 130 | 126 | 86.8 | 94.5 | 104 | 97.1 |
| 885-26174-1 - RA | RG-SOUTH20250605 | | | 118 | | | | | |
| LCS 320-858067/3-A | Lab Control Sample | 93.6 | 94.6 | 96.4 | 95.1 | 93.7 | 83.3 | 96.2 | 91.2 |
| LCSD 320-858067/4-A | Lab Control Sample Dup | 86.8 | 107 | 112 | 93.3 | 97.2 | 94.8 | 105 | 103 |
| LLCS 320-858067/2-A | Lab Control Sample | 86.6 | 95.2 | 104 | 96.9 | 94.9 | 81.6 | 103 | 94.4 |
| MB 320-858067/1-A | Method Blank | 89.7 | 102 | 120 | 100 | 91.2 | 87.8 | 100 | 94.0 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PFDoA | PFTDA | C3PFBS | C3PFHS | C8PFOS | PFOSA | d3NMFOS | d5NEFOS |
| Lab Sample ID | Client Sample ID | (10-130) | (10-130) | (40-135) | (40-130) | (40-130) | (40-130) | (40-170) | (25-135) |
| 885-26174-1 | RG-SOUTH20250605 | 86.9 | 60.6 | 102 | 104 | 101 | 122 | | |
| 885-26174-1 - RA | RG-SOUTH20250605 | | | | | | | 81.1 | 96.1 |
| LCS 320-858067/3-A | Lab Control Sample | 73.4 | 67.5 | 98.6 | 97.8 | 89.8 | 96.0 | 101 | 99.7 |
| LCSD 320-858067/4-A | Lab Control Sample Dup | 93.6 | 83.1 | 90.9 | 94.3 | 82.5 | 91.1 | 98.7 | 93.8 |
| LLCS 320-858067/2-A | Lab Control Sample | 78.4 | 69.0 | 103 | 97.1 | 90.8 | 91.8 | 103 | 96.9 |
| MB 320-858067/1-A | Method Blank | 80.7 | 78.0 | 91.8 | 94.9 | 86.2 | 81.5 | 93.1 | 88.8 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | M242FTS | M262FTS | M282FTS | HFPODA | NMFM | NEFM | d5NPFSA | d3NMFSA |
| Lab Sample ID | Client Sample ID | (40-200) | (40-200) | (40-300) | (40-130) | (10-130) | (10-130) | (10-130) | (10-130) |
| 885-26174-1 | RG-SOUTH20250605 | | | 141 | | | 83.8 | 90.5 | 87.5 |
| 885-26174-1 - RA | RG-SOUTH20250605 | 116 | 110 | | 114 | 72.0 | | | |
| LCS 320-858067/3-A | Lab Control Sample | 90.5 | 84.3 | 91.3 | 101 | 92.3 | 77.8 | 82.8 | 74.3 |
| LCSD 320-858067/4-A | Lab Control Sample Dup | 89.5 | 93.6 | 92.5 | 110 | 88.6 | 81.0 | 79.9 | 73.3 |
| LLCS 320-858067/2-A | Lab Control Sample | 90.2 | 99.0 | 88.8 | 97.1 | 93.2 | 79.0 | 79.7 | 70.2 |
| MB 320-858067/1-A | Method Blank | 103 | 90.4 | 82.0 | 100 | 85.6 | 71.5 | 76.0 | 69.3 |

**Surrogate Legend**

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA

# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

d3NMFSA = d3-NMePFOSA

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (15-150) | (15-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26174-1 | RG-SOUTH20250605 | 69 | 65 | 67 | 59 | 64 | 56 | 51 | 53 |
| MB 320-858301/1-A | Method Blank | 69 | 65 | 68 | 62 | 66 | 64 | 66 | 58 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | PCB114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26174-1 | RG-SOUTH20250605 | 56 | 49 | 57 | 56 | 56 | 54 | 63 | 43 |
| MB 320-858301/1-A | Method Blank | 64 | 67 | 73 | 70 | 72 | 70 | 73 | 61 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | 156157L | PCB157L | PCB167L | PCB169L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-26174-1 | RG-SOUTH20250605 | 55 | 55 | 55 | 53 | 57 | 44 | 57 | 52 |
| MB 320-858301/1-A | Method Blank | 70 | 70 | 70 | 68 | 69 | 59 | 71 | 68 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | | | | |
| 885-26174-1 | RG-SOUTH20250605 | 67 | 68 | 62 | 64 | | | | |
| MB 320-858301/1-A | Method Blank | 80 | 81 | 68 | 76 | | | | |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (15-140) | (15-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-858301/2-A | Lab Control Sample | 76 | 71 | 72 | 68 | 69 | 77 | 70 | 67 |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 71 | 67 | 67 | 60 | 65 | 66 | 63 | 63 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | PCB114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-858301/2-A | Lab Control Sample | 74 | 74 | 78 | 78 | 76 | 74 | 81 | 64 |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 68 | 63 | 70 | 71 | 70 | 68 | 76 | 52 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | 156157L | PCB157L | PCB167L | PCB169L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-858301/2-A | Lab Control Sample | 73 | 73 | 73 | 73 | 76 | 61 | 77 | 72 |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 69 | 69 | 69 | 65 | 72 | 53 | 72 | 60 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | | | | |
| LCS 320-858301/2-A | Lab Control Sample | 89 | 92 | 80 | 84 | | | | |
| LCSD 320-858301/3-A | Lab Control Sample Dup | 86 | 87 | 73 | 81 | | | | |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

## Method: 624.1 - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 860-241668/10**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241668**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 06/11/25 10:31 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *97* | | *63 - 144* | | *06/11/25 10:31* | *1* |
| *4-Bromofluorobenzene (Surr)* | *89* | | *74 - 124* | | *06/11/25 10:31* | *1* |
| *Dibromofluoromethane (Surr)* | *93* | | *75 - 131* | | *06/11/25 10:31* | *1* |
| *Toluene-d8 (Surr)* | *95* | | *80 - 120* | | *06/11/25 10:31* | *1* |

**Lab Sample ID: LCS 860-241668/3**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241668**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0902 | | mg/L | | 90 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *92* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *94* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* |

**Lab Sample ID: LCSD 860-241668/4**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241668**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0891 | | mg/L | | 89 | 75 - 125 | 1 | 25 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *96* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *92* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *98* | | *80 - 120* |

**Lab Sample ID: 885-26174-1 MS**
**Client Sample ID: RG-SOUTH20250605**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241668**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | H | 0.100 | 0.0900 | | mg/L | | 90 | 75 - 125 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *92* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *91* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *97* | | *80 - 120* |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS)

**Lab Sample ID: MB 860-241774/1-A**
**Matrix: Water**
**Analysis Batch: 242037**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 241774**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzidine | ND | | 2.9 | 0.45 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Benzo[a]anthracene | ND | | 0.29 | 0.082 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Benzo[a]pyrene | ND | | 0.29 | 0.070 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| 3,4-Benzofluoranthene | ND | | 0.57 | 0.066 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 2.9 | 1.4 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Chrysene | ND | | 0.57 | 0.082 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.11 | 0.051 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Dibenzofuran | ND | | 0.57 | 0.11 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.57 | 0.10 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Pentachlorophenol | ND | | 0.57 | 0.20 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |
| Benzo[k]fluoranthene | ND | | 0.57 | 0.047 | ug/L | | 06/11/25 13:00 | 06/12/25 21:31 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *76* | | *43 - 130* | *06/11/25 13:00* | *06/12/25 21:31* | *1* |
| *2-Fluorophenol (Surr)* | *80* | | *19 - 120* | *06/11/25 13:00* | *06/12/25 21:31* | *1* |
| *Nitrobenzene-d5 (Surr)* | *61* | | *37 - 133* | *06/11/25 13:00* | *06/12/25 21:31* | *1* |
| *Phenol-d5 (Surr)* | *51* | | *8 - 124* | *06/11/25 13:00* | *06/12/25 21:31* | *1* |
| *p-Terphenyl-d14 (Surr)* | *77* | | *47 - 130* | *06/11/25 13:00* | *06/12/25 21:31* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *54* | | *35 - 130* | *06/11/25 13:00* | *06/12/25 21:31* | *1* |

**Lab Sample ID: LCS 860-241774/2-A**
**Matrix: Water**
**Analysis Batch: 242037**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 241774**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzidine | | | 5.71 | 1.53 | J | ug/L | | 27 | 5 - 100 | | |
| Benzo[a]anthracene | | | 5.71 | 4.25 | | ug/L | | 74 | 33 - 143 | | |
| Benzo[a]pyrene | | | 5.71 | 4.17 | | ug/L | | 73 | 17 - 163 | | |
| 3,4-Benzofluoranthene | | | 5.71 | 4.05 | | ug/L | | 71 | 24 - 159 | | |
| Bis(2-ethylhexyl) phthalate | | | 5.71 | 3.24 | | ug/L | | 57 | 8 - 158 | | |
| Chrysene | | | 5.71 | 3.89 | | ug/L | | 68 | 17 - 168 | | |
| Dibenz(a,h)anthracene | | | 5.71 | 4.44 | | ug/L | | 78 | 50 - 227 | | |
| Dibenzofuran | | | 5.71 | 3.90 | | ug/L | | 68 | 52 - 139 | | |
| Indeno[1,2,3-cd]pyrene | | | 5.71 | 4.24 | | ug/L | | 74 | 46 - 171 | | |
| Pentachlorophenol | | | 5.71 | 4.07 | | ug/L | | 71 | 14 - 176 | | |
| Benzo[k]fluoranthene | | | 5.71 | 4.00 | | ug/L | | 70 | 11 - 162 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *71* | | *43 - 130* |
| *2-Fluorophenol (Surr)* | *72* | | *19 - 120* |
| *Nitrobenzene-d5 (Surr)* | *64* | | *37 - 133* |
| *Phenol-d5 (Surr)* | *52* | | *8 - 124* |
| *p-Terphenyl-d14 (Surr)* | *73* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *73* | | *35 - 130* |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

**Lab Sample ID: LCSD 860-241774/3-A**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 242037**
**Prep Batch: 241774**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzidine | | | 5.71 | 1.45 | J | ug/L | | 25 | 5 - 100 | 5 | 30 |
| Benzo[a]anthracene | | | 5.71 | 4.05 | | ug/L | | 71 | 33 - 143 | 5 | 30 |
| Benzo[a]pyrene | | | 5.71 | 3.90 | | ug/L | | 68 | 17 - 163 | 7 | 30 |
| 3,4-Benzofluoranthene | | | 5.71 | 3.95 | | ug/L | | 69 | 24 - 159 | 2 | 30 |
| Bis(2-ethylhexyl) phthalate | | | 5.71 | 3.27 | | ug/L | | 57 | 8 - 158 | 1 | 30 |
| Chrysene | | | 5.71 | 3.80 | | ug/L | | 66 | 17 - 168 | 2 | 30 |
| Dibenz(a,h)anthracene | | | 5.71 | 4.17 | | ug/L | | 73 | 50 - 227 | 6 | 30 |
| Dibenzofuran | | | 5.71 | 3.75 | | ug/L | | 66 | 52 - 139 | 4 | 30 |
| Indeno[1,2,3-cd]pyrene | | | 5.71 | 4.15 | | ug/L | | 73 | 46 - 171 | 2 | 30 |
| Pentachlorophenol | | | 5.71 | 4.71 | | ug/L | | 82 | 14 - 176 | 15 | 30 |
| Benzo[k]fluoranthene | | | 5.71 | 3.96 | | ug/L | | 69 | 11 - 162 | 1 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *70* | | *43 - 130* |
| *2-Fluorophenol (Surr)* | *68* | | *19 - 120* |
| *Nitrobenzene-d5 (Surr)* | *63* | | *37 - 133* |
| *Phenol-d5 (Surr)* | *51* | | *8 - 124* |
| *p-Terphenyl-d14 (Surr)* | *71* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *68* | | *35 - 130* |

## Method: 608.3 - Organochlorine Pesticides/PCBs in Water

**Lab Sample ID: MB 860-241782/1-A**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241937**
**Prep Batch: 241782**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | ND | | 0.000066 | 0.000023 | mg/L | | 06/11/25 13:36 | 06/12/25 14:51 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *84* | | *45 - 115* | *06/11/25 13:36* | *06/12/25 14:51* | *1* |
| *Tetrachloro-m-xylene* | *98* | | *41 - 110* | *06/11/25 13:36* | *06/12/25 14:51* | *1* |

**Lab Sample ID: LCS 860-241782/14-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 241937**
**Prep Batch: 241782**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | 0.00160 | 0.00201 | *+ | mg/L | | 126 | 52 - 102 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *61* | *p* | *45 - 115* |
| *Tetrachloro-m-xylene* | *123* | *S1+* | *41 - 110* |

## Method: 608.3 - Organochlorine Pesticides/PCBs in Water (Continued)

**Lab Sample ID: LCSD 860-241782/15-A**
**Matrix: Water**
**Analysis Batch: 241937**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 241782**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | 0.00164 | 0.00189 | *+ | mg/L | | 115 | 52 - 102 | 6 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *77* | | *45 - 115* |
| *Tetrachloro-m-xylene* | *102* | | *41 - 110* |

## Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

**Lab Sample ID: MB 570-582393/35**
**Matrix: Water**
**Analysis Batch: 582393**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chromium, hexavalent | ND | | 0.20 | 0.051 | ug/L | | | 06/11/25 06:18 | 1 |

**Lab Sample ID: LCS 570-582393/36**
**Matrix: Water**
**Analysis Batch: 582393**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chromium, hexavalent | | | 50.1 | 49.7 | | ug/L | | 99 | 95 - 107 | | |

**Lab Sample ID: LCSD 570-582393/37**
**Matrix: Water**
**Analysis Batch: 582393**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chromium, hexavalent | | | 50.1 | 50.0 | | ug/L | | 100 | 95 - 107 | 1 | 20 |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-27716/4**
**Matrix: Water**
**Analysis Batch: 27716**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate | ND | | 0.10 | 0.020 | mg/L | | | 06/06/25 08:13 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 06/06/25 08:13 | 1 |
| Nitrate Nitrite as N | ND | | 0.20 | 0.022 | mg/L | | | 06/06/25 08:13 | 1 |

**Lab Sample ID: LCS 885-27716/5**
**Matrix: Water**
**Analysis Batch: 27716**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate | | | 2.50 | 2.53 | | mg/L | | 101 | 90 - 110 | | |
| Nitrite | | | 1.00 | 0.963 | | mg/L | | 96 | 90 - 110 | | |
| Nitrate Nitrite as N | | | 3.50 | 3.49 | | mg/L | | 100 | 90 - 110 | | |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

**Lab Sample ID: MB 320-858067/1-A**
**Matrix: Water**
**Analysis Batch: 858281**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858067**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | ND | | 4.0 | 1.0 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoropentanoic acid (PFPeA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorohexanoic acid (PFHxA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 2.0 | 0.55 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 2.0 | 0.58 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorotetradecanoic acid (PFTeDA) | ND | | 2.0 | 0.81 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorononanesulfonic acid (PFNS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorodecanesulfonic acid (PFDS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorododecanesulfonic acid (PFDoS) | ND | | 2.0 | 0.53 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | | 4.0 | 1.0 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | | 4.0 | 1.0 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | | 4.0 | 1.0 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluorooctanesulfonamide (PFOSA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | ND | | 10 | 2.5 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | ND | | 10 | 2.5 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | ND | | 1.5 | 0.39 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | | 2.0 | 0.72 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ND | | 2.0 | 0.58 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: MB 320-858067/1-A**
**Matrix: Water**
**Analysis Batch: 858281**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858067**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | ND | | 2.0 | 0.50 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | ND | | 4.0 | 1.0 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | ND | | 10 | 2.5 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | ND | | 10 | 2.5 | ng/L | | 06/17/25 12:29 | 06/18/25 09:45 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C4 PFBA* | *89.7* | | *5 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C5 PFPeA* | *102* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C5 PFHxA* | *120* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C4 PFHpA* | *100* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C8 PFOA* | *91.2* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C9 PFNA* | *87.8* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C6 PFDA* | *100* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C7 PFUnA* | *94.0* | | *30 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C2 PFDoA* | *80.7* | | *10 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C2 PFTeDA* | *78.0* | | *10 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C3 PFBS* | *91.8* | | *40 - 135* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C3 PFHxS* | *94.9* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C8 PFOS* | *86.2* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C8 FOSA* | *81.5* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *d3-NMeFOSAA* | *93.1* | | *40 - 170* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *d5-NEtFOSAA* | *88.8* | | *25 - 135* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C2 4:2 FTS* | *103* | | *40 - 200* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C2 6:2 FTS* | *90.4* | | *40 - 200* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C2 8:2 FTS* | *82.0* | | *40 - 300* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *13C3 HFPO-DA* | *100* | | *40 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *d7-N-MeFOSE-M* | *85.6* | | *10 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *d9-N-EtFOSE-M* | *71.5* | | *10 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *d5-NEtPFOSA* | *76.0* | | *10 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |
| *d3-NMePFOSA* | *69.3* | | *10 - 130* | *06/17/25 12:29* | *06/18/25 09:45* | *1* |

**Lab Sample ID: LCS 320-858067/3-A**
**Matrix: Water**
**Analysis Batch: 858281**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858067**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | 80.0 | 80.4 | | ng/L | | 101 | 70 - 140 |
| Perfluoropentanoic acid (PFPeA) | 40.0 | 40.6 | | ng/L | | 101 | 65 - 135 |
| Perfluorohexanoic acid (PFHxA) | 40.0 | 36.4 | | ng/L | | 91 | 70 - 145 |
| Perfluoroheptanoic acid (PFHpA) | 40.0 | 40.7 | | ng/L | | 102 | 70 - 150 |
| Perfluorooctanoic acid (PFOA) | 40.0 | 37.5 | | ng/L | | 94 | 70 - 150 |
| Perfluorononanoic acid (PFNA) | 40.0 | 32.8 | | ng/L | | 82 | 70 - 150 |
| Perfluorodecanoic acid (PFDA) | 40.0 | 40.1 | | ng/L | | 100 | 70 - 140 |

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: LCS 320-858067/3-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 858281**
**Prep Batch: 858067**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Perfluoroundecanoic acid (PFUnA) | 40.0 | 33.3 | | ng/L | | 83 | 70 - 145 |
| Perfluorododecanoic acid (PFDoA) | 40.0 | 42.6 | | ng/L | | 107 | 70 - 140 |
| Perfluorotridecanoic acid (PFTrDA) | 40.0 | 41.5 | | ng/L | | 104 | 65 - 140 |
| Perfluorotetradecanoic acid (PFTeDA) | 40.0 | 42.9 | | ng/L | | 107 | 60 - 140 |
| Perfluorobutanesulfonic acid (PFBS) | 35.5 | 26.4 | | ng/L | | 74 | 60 - 145 |
| Perfluoropentanesulfonic acid (PFPeS) | 37.6 | 33.5 | | ng/L | | 89 | 65 - 140 |
| Perfluorohexanesulfonic acid (PFHxS) | 36.5 | 29.3 | | ng/L | | 80 | 65 - 145 |
| Perfluoroheptanesulfonic acid (PFHpS) | 38.2 | 41.2 | | ng/L | | 108 | 70 - 150 |
| Perfluorooctanesulfonic acid (PFOS) | 37.2 | 34.9 | | ng/L | | 94 | 55 - 150 |
| Perfluorononanesulfonic acid (PFNS) | 38.5 | 37.1 | | ng/L | | 96 | 65 - 145 |
| Perfluorodecanesulfonic acid (PFDS) | 38.6 | 34.9 | | ng/L | | 91 | 60 - 145 |
| Perfluorododecanesulfonic acid (PFDoS) | 38.8 | 31.0 | | ng/L | | 80 | 50 - 145 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 75.0 | 76.8 | | ng/L | | 102 | 70 - 145 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 76.2 | 67.1 | | ng/L | | 88 | 65 - 155 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 76.8 | 72.1 | | ng/L | | 94 | 60 - 150 |
| Perfluorooctanesulfonamide (PFOSA) | 40.0 | 40.0 | | ng/L | | 100 | 70 - 145 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | 40.0 | 44.1 | | ng/L | | 110 | 60 - 150 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | 40.0 | 37.3 | | ng/L | | 93 | 65 - 145 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 40.0 | 37.0 | | ng/L | | 93 | 50 - 140 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 40.0 | 35.3 | | ng/L | | 88 | 70 - 145 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | 200 | 177 | | ng/L | | 88 | 70 - 145 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | 200 | 204 | | ng/L | | 102 | 70 - 135 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 30.0 | 26.7 | | ng/L | | 89 | 70 - 140 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 37.8 | 30.9 | | ng/L | | 82 | 65 - 145 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 40.0 | 35.2 | | ng/L | | 88 | 55 - 140 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 40.0 | 40.4 | | ng/L | | 101 | 60 - 150 |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | 40.0 | 39.0 | | ng/L | | 97 | 50 - 150 |

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: LCS 320-858067/3-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 858281**
**Prep Batch: 858067**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | | | 37.4 | 29.1 | | ng/L | | 78 | 70 - 155 | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | 37.8 | 27.2 | | ng/L | | 72 | 55 - 160 | | |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | | | 35.7 | 30.2 | | ng/L | | 85 | 70 - 140 | | |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | | | 80.0 | 76.2 | | ng/L | | 95 | 65 - 130 | | |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | | | 200 | 189 | | ng/L | | 95 | 70 - 135 | | |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | | | 200 | 178 | | ng/L | | 89 | 50 - 145 | | |

| *Isotope Dilution* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C4 PFBA* | *93.6* | | *5 - 130* |
| *13C5 PFPeA* | *94.6* | | *40 - 130* |
| *13C5 PFHxA* | *96.4* | | *40 - 130* |
| *13C4 PFHpA* | *95.1* | | *40 - 130* |
| *13C8 PFOA* | *93.7* | | *40 - 130* |
| *13C9 PFNA* | *83.3* | | *40 - 130* |
| *13C6 PFDA* | *96.2* | | *40 - 130* |
| *13C7 PFUnA* | *91.2* | | *30 - 130* |
| *13C2 PFDoA* | *73.4* | | *10 - 130* |
| *13C2 PFTeDA* | *67.5* | | *10 - 130* |
| *13C3 PFBS* | *98.6* | | *40 - 135* |
| *13C3 PFHxS* | *97.8* | | *40 - 130* |
| *13C8 PFOS* | *89.8* | | *40 - 130* |
| *13C8 FOSA* | *96.0* | | *40 - 130* |
| *d3-NMeFOSAA* | *101* | | *40 - 170* |
| *d5-NEtFOSAA* | *99.7* | | *25 - 135* |
| *13C2 4:2 FTS* | *90.5* | | *40 - 200* |
| *13C2 6:2 FTS* | *84.3* | | *40 - 200* |
| *13C2 8:2 FTS* | *91.3* | | *40 - 300* |
| *13C3 HFPO-DA* | *101* | | *40 - 130* |
| *d7-N-MeFOSE-M* | *92.3* | | *10 - 130* |
| *d9-N-EtFOSE-M* | *77.8* | | *10 - 130* |
| *d5-NEtPFOSA* | *82.8* | | *10 - 130* |
| *d3-NMePFOSA* | *74.3* | | *10 - 130* |

**Lab Sample ID: LCSD 320-858067/4-A**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 858281**
**Prep Batch: 858067**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | | | 80.0 | 80.8 | | ng/L | | 101 | 70 - 140 | 1 | 30 |
| Perfluoropentanoic acid (PFPeA) | | | 40.0 | 38.0 | | ng/L | | 95 | 65 - 135 | 7 | 30 |
| Perfluorohexanoic acid (PFHxA) | | | 40.0 | 32.3 | | ng/L | | 81 | 70 - 145 | 12 | 30 |
| Perfluoroheptanoic acid (PFHpA) | | | 40.0 | 39.3 | | ng/L | | 98 | 70 - 150 | 3 | 30 |
| Perfluorooctanoic acid (PFOA) | | | 40.0 | 35.7 | | ng/L | | 89 | 70 - 150 | 5 | 30 |

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: LCSD 320-858067/4-A**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 858281**
**Prep Batch: 858067**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorononanoic acid (PFNA) | 40.0 | 38.0 | | ng/L | | 95 | 70 - 150 | 15 | 30 |
| Perfluorodecanoic acid (PFDA) | 40.0 | 40.4 | | ng/L | | 101 | 70 - 140 | 1 | 30 |
| Perfluoroundecanoic acid (PFUnA) | 40.0 | 37.4 | | ng/L | | 94 | 70 - 145 | 12 | 30 |
| Perfluorododecanoic acid (PFDoA) | 40.0 | 42.1 | | ng/L | | 105 | 70 - 140 | 1 | 30 |
| Perfluorotridecanoic acid (PFTrDA) | 40.0 | 40.6 | | ng/L | | 101 | 65 - 140 | 2 | 30 |
| Perfluorotetradecanoic acid (PFTeDA) | 40.0 | 40.8 | | ng/L | | 102 | 60 - 140 | 5 | 30 |
| Perfluorobutanesulfonic acid (PFBS) | 35.5 | 28.4 | | ng/L | | 80 | 60 - 145 | 7 | 30 |
| Perfluoropentanesulfonic acid (PFPeS) | 37.6 | 33.5 | | ng/L | | 89 | 65 - 140 | 0 | 30 |
| Perfluorohexanesulfonic acid (PFHxS) | 36.5 | 28.8 | | ng/L | | 79 | 65 - 145 | 1 | 30 |
| Perfluoroheptanesulfonic acid (PFHpS) | 38.2 | 40.8 | | ng/L | | 107 | 70 - 150 | 1 | 30 |
| Perfluorooctanesulfonic acid (PFOS) | 37.2 | 37.3 | | ng/L | | 100 | 55 - 150 | 7 | 30 |
| Perfluorononanesulfonic acid (PFNS) | 38.5 | 37.1 | | ng/L | | 96 | 65 - 145 | 0 | 30 |
| Perfluorodecanesulfonic acid (PFDS) | 38.6 | 35.9 | | ng/L | | 93 | 60 - 145 | 3 | 30 |
| Perfluorododecanesulfonic acid (PFDoS) | 38.8 | 34.4 | | ng/L | | 89 | 50 - 145 | 10 | 30 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 75.0 | 78.9 | | ng/L | | 105 | 70 - 145 | 3 | 30 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 76.2 | 66.1 | | ng/L | | 87 | 65 - 155 | 1 | 30 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 76.8 | 72.8 | | ng/L | | 95 | 60 - 150 | 1 | 30 |
| Perfluorooctanesulfonamide (PFOSA) | 40.0 | 41.3 | | ng/L | | 103 | 70 - 145 | 3 | 30 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | 40.0 | 43.5 | | ng/L | | 109 | 60 - 150 | 1 | 30 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | 40.0 | 38.8 | | ng/L | | 97 | 65 - 145 | 4 | 30 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 40.0 | 36.6 | | ng/L | | 91 | 50 - 140 | 1 | 30 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 40.0 | 37.0 | | ng/L | | 92 | 70 - 145 | 5 | 30 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | 200 | 191 | | ng/L | | 95 | 70 - 145 | 7 | 30 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | 200 | 201 | | ng/L | | 101 | 70 - 135 | 1 | 30 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 30.0 | 27.0 | | ng/L | | 90 | 70 - 140 | 1 | 30 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 37.8 | 30.2 | | ng/L | | 80 | 65 - 145 | 3 | 30 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 40.0 | 35.2 | | ng/L | | 88 | 55 - 140 | 0 | 30 |
| Perfluoro-4-methoxybutanoic acid (PFMBA) | 40.0 | 37.1 | | ng/L | | 93 | 60 - 150 | 9 | 30 |

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: LCSD 320-858067/4-A**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 858281**
**Prep Batch: 858067**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | | | 40.0 | 28.3 | *1 | ng/L | | 71 | 50 - 150 | 32 | 30 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | | | 37.4 | 30.7 | | ng/L | | 82 | 70 - 155 | 5 | 30 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | 37.8 | 28.4 | | ng/L | | 75 | 55 - 160 | 4 | 30 |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | | | 35.7 | 29.0 | | ng/L | | 81 | 70 - 140 | 4 | 30 |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | | | 80.0 | 75.2 | | ng/L | | 94 | 65 - 130 | 1 | 30 |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | | | 200 | 181 | | ng/L | | 91 | 70 - 135 | 5 | 30 |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | | | 200 | 164 | | ng/L | | 82 | 50 - 145 | 8 | 30 |

| *Isotope Dilution* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *13C4 PFBA* | *86.8* | | *5 - 130* |
| *13C5 PFPeA* | *107* | | *40 - 130* |
| *13C5 PFHxA* | *112* | | *40 - 130* |
| *13C4 PFHpA* | *93.3* | | *40 - 130* |
| *13C8 PFOA* | *97.2* | | *40 - 130* |
| *13C9 PFNA* | *94.8* | | *40 - 130* |
| *13C6 PFDA* | *105* | | *40 - 130* |
| *13C7 PFUnA* | *103* | | *30 - 130* |
| *13C2 PFDoA* | *93.6* | | *10 - 130* |
| *13C2 PFTeDA* | *83.1* | | *10 - 130* |
| *13C3 PFBS* | *90.9* | | *40 - 135* |
| *13C3 PFHxS* | *94.3* | | *40 - 130* |
| *13C8 PFOS* | *82.5* | | *40 - 130* |
| *13C8 FOSA* | *91.1* | | *40 - 130* |
| *d3-NMeFOSAA* | *98.7* | | *40 - 170* |
| *d5-NEtFOSAA* | *93.8* | | *25 - 135* |
| *13C2 4:2 FTS* | *89.5* | | *40 - 200* |
| *13C2 6:2 FTS* | *93.6* | | *40 - 200* |
| *13C2 8:2 FTS* | *92.5* | | *40 - 300* |
| *13C3 HFPO-DA* | *110* | | *40 - 130* |
| *d7-N-MeFOSE-M* | *88.6* | | *10 - 130* |
| *d9-N-EtFOSE-M* | *81.0* | | *10 - 130* |
| *d5-NEtPFOSA* | *79.9* | | *10 - 130* |
| *d3-NMePFOSA* | *73.3* | | *10 - 130* |

**Lab Sample ID: LLCS 320-858067/2-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 858281**
**Prep Batch: 858067**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanoic acid (PFBA) | | | 8.00 | 8.50 | | ng/L | | 106 | 70 - 140 |
| Perfluoropentanoic acid (PFPeA) | | | 4.00 | 4.04 | | ng/L | | 101 | 65 - 135 |
| Perfluorohexanoic acid (PFHxA) | | | 4.00 | 3.60 | | ng/L | | 90 | 70 - 145 |

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: LLCS 320-858067/2-A**
**Matrix: Water**
**Analysis Batch: 858281**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858067**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Perfluoroheptanoic acid (PFHpA) | 4.00 | 4.25 | | ng/L | | 106 | 70 - 150 |
| Perfluorooctanoic acid (PFOA) | 4.00 | 3.86 | | ng/L | | 97 | 70 - 150 |
| Perfluorononanoic acid (PFNA) | 4.00 | 4.37 | | ng/L | | 109 | 70 - 150 |
| Perfluorodecanoic acid (PFDA) | 4.00 | 3.82 | | ng/L | | 96 | 70 - 140 |
| Perfluoroundecanoic acid (PFUnA) | 4.00 | 4.09 | | ng/L | | 102 | 70 - 145 |
| Perfluorododecanoic acid (PFDoA) | 4.00 | 4.89 | | ng/L | | 122 | 70 - 140 |
| Perfluorotridecanoic acid (PFTrDA) | 4.00 | 4.73 | | ng/L | | 118 | 65 - 140 |
| Perfluorotetradecanoic acid (PFTeDA) | 4.00 | 4.80 | | ng/L | | 120 | 60 - 140 |
| Perfluorobutanesulfonic acid (PFBS) | 3.55 | 3.36 | | ng/L | | 94 | 60 - 145 |
| Perfluoropentanesulfonic acid (PFPeS) | 3.76 | 3.62 | | ng/L | | 96 | 65 - 140 |
| Perfluorohexanesulfonic acid (PFHxS) | 3.65 | 3.44 | | ng/L | | 94 | 65 - 145 |
| Perfluoroheptanesulfonic acid (PFHpS) | 3.82 | 3.95 | | ng/L | | 104 | 70 - 150 |
| Perfluorooctanesulfonic acid (PFOS) | 3.72 | 3.99 | | ng/L | | 107 | 55 - 150 |
| Perfluorononanesulfonic acid (PFNS) | 3.85 | 4.07 | | ng/L | | 106 | 65 - 145 |
| Perfluorodecanesulfonic acid (PFDS) | 3.86 | 3.76 | | ng/L | | 98 | 60 - 145 |
| Perfluorododecanesulfonic acid (PFDoS) | 3.88 | 3.24 | | ng/L | | 83 | 50 - 145 |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | 7.50 | 9.55 | | ng/L | | 127 | 70 - 145 |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | 7.62 | 7.03 | | ng/L | | 92 | 65 - 155 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | 7.68 | 6.79 | | ng/L | | 88 | 60 - 150 |
| Perfluorooctanesulfonamide (PFOSA) | 4.00 | 4.54 | | ng/L | | 113 | 70 - 145 |
| N-methylperfluorooctane sulfonamide (NMeFOSA) | 4.00 | 4.76 | | ng/L | | 119 | 60 - 150 |
| N-ethylperfluorooctane sulfonamide (NEtFOSA) | 4.00 | 4.37 | | ng/L | | 109 | 65 - 145 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 4.00 | 4.05 | | ng/L | | 101 | 50 - 140 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 4.00 | 4.08 | | ng/L | | 102 | 70 - 145 |
| N-methylperfluorooctane sulfonamidoethanol (NMeFOSE) | 20.0 | 20.0 | | ng/L | | 100 | 70 - 145 |
| N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE) | 20.0 | 22.3 | | ng/L | | 111 | 70 - 135 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 3.00 | 2.98 | | ng/L | | 99 | 70 - 140 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 3.78 | 4.13 | | ng/L | | 109 | 65 - 145 |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | 4.00 | 3.92 | | ng/L | | 98 | 55 - 140 |

## Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: LLCS 320-858067/2-A**
**Matrix: Water**
**Analysis Batch: 858281**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858067**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluoro-4-methoxybutanoic acid (PFMBA) | | | 4.00 | 4.78 | | ng/L | | 120 | 60 - 150 | | |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | | | 4.00 | 4.62 | | ng/L | | 115 | 50 - 150 | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | | | 3.74 | 3.48 | | ng/L | | 93 | 70 - 155 | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | 3.78 | 3.20 | | ng/L | | 85 | 55 - 160 | | |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA) | | | 3.57 | 3.17 | | ng/L | | 89 | 70 - 140 | | |
| 3-Perfluoropropylpropanoic acid (3:3 FTCA) | | | 8.00 | 8.13 | | ng/L | | 102 | 65 - 130 | | |
| 3-Perfluoropentylpropanoic acid (5:3 FTCA) | | | 20.0 | 19.2 | | ng/L | | 96 | 70 - 135 | | |
| 3-Perfluoroheptylpropanoic acid (7:3 FTCA) | | | 20.0 | 16.8 | | ng/L | | 84 | 50 - 145 | | |

| *Isotope Dilution* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C4 PFBA* | *86.6* | | *5 - 130* |
| *13C5 PFPeA* | *95.2* | | *40 - 130* |
| *13C5 PFHxA* | *104* | | *40 - 130* |
| *13C4 PFHpA* | *96.9* | | *40 - 130* |
| *13C8 PFOA* | *94.9* | | *40 - 130* |
| *13C9 PFNA* | *81.6* | | *40 - 130* |
| *13C6 PFDA* | *103* | | *40 - 130* |
| *13C7 PFUnA* | *94.4* | | *30 - 130* |
| *13C2 PFDoA* | *78.4* | | *10 - 130* |
| *13C2 PFTeDA* | *69.0* | | *10 - 130* |
| *13C3 PFBS* | *103* | | *40 - 135* |
| *13C3 PFHxS* | *97.1* | | *40 - 130* |
| *13C8 PFOS* | *90.8* | | *40 - 130* |
| *13C8 FOSA* | *91.8* | | *40 - 130* |
| *d3-NMeFOSAA* | *103* | | *40 - 170* |
| *d5-NEtFOSAA* | *96.9* | | *25 - 135* |
| *13C2 4:2 FTS* | *90.2* | | *40 - 200* |
| *13C2 6:2 FTS* | *99.0* | | *40 - 200* |
| *13C2 8:2 FTS* | *88.8* | | *40 - 300* |
| *13C3 HFPO-DA* | *97.1* | | *40 - 130* |
| *d7-N-MeFOSE-M* | *93.2* | | *10 - 130* |
| *d9-N-EtFOSE-M* | *79.0* | | *10 - 130* |
| *d5-NEtPFOSA* | *79.7* | | *10 - 130* |
| *d3-NMePFOSA* | *70.2* | | *10 - 130* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 20 | 2.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-2 | ND | | 200 | 4.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-3 | ND | | 60 | 7.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-4 | ND | | 40 | 5.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-5 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-6 | ND | | 200 | 4.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-7 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-8 | ND | | 200 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-9 | ND | | 200 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-10 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-11 | 22.6 | J q | 200 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-12 | ND | | 400 | 8.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-13 | ND | | 400 | 8.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-14 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-15 | ND | | 40 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-16 | ND | | 200 | 6.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-17 | ND | | 200 | 3.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-18 | ND | | 400 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-19 | ND | | 20 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-20 | ND | | 400 | 21 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-21 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-22 | ND | | 200 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-23 | ND | | 200 | 8.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-24 | ND | | 200 | 2.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-25 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-26 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-27 | ND | | 200 | 9.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-28 | ND | | 400 | 21 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-29 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-30 | ND | | 400 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-31 | ND | | 200 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-32 | ND | | 200 | 3.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-33 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-34 | ND | | 200 | 6.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-35 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-36 | ND | | 200 | 5.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-37 | ND | | 20 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-38 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-39 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-40 | ND | | 400 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-41 | ND | | 200 | 8.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-42 | ND | | 200 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-43 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-44 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-45 | ND | | 400 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-46 | ND | | 200 | 3.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-47 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-48 | ND | | 200 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-49 | ND | | 400 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-50 | ND | | 400 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-51 | ND | | 400 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-52 | ND | | 200 | 4.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-53 | ND | | 400 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-54 | ND | | 20 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-55 | ND | | 200 | 7.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-56 | ND | | 200 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-57 | ND | | 200 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-58 | ND | | 200 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-59 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-60 | ND | | 200 | 4.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-61 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-62 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-63 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-64 | ND | | 200 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-65 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-66 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-67 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-68 | ND | | 200 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-69 | ND | | 400 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-70 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-71 | ND | | 400 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-72 | ND | | 200 | 7.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-73 | ND | | 200 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-74 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-75 | ND | | 600 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-76 | ND | | 800 | 20 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-77 | ND | | 20 | 6.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-78 | ND | | 200 | 4.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-79 | ND | | 200 | 8.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-80 | ND | | 200 | 8.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-81 | ND | | 20 | 5.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-82 | ND | | 200 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-83 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-84 | ND | | 200 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-85 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-86 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-87 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-88 | ND | | 400 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-89 | ND | | 200 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-90 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-91 | ND | | 400 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-92 | ND | | 200 | 2.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-93 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-94 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-95 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-96 | ND | | 200 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-97 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-98 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-99 | ND | | 400 | 9.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-100 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-101 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-102 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-103 | ND | | 200 | 8.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-104 | ND | | 20 | 4.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-105 | ND | | 20 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-106 | ND | | 200 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-107 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-108 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-109 | ND | | 1200 | 33 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-110 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-111 | ND | | 200 | 2.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-112 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-113 | ND | | 600 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-114 | ND | | 20 | 3.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-115 | ND | | 400 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-116 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-117 | ND | | 600 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-118 | ND | | 20 | 8.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-119 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-120 | ND | | 200 | 5.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-121 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-122 | ND | | 200 | 2.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-123 | ND | | 20 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-124 | ND | | 400 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-125 | ND | | 1200 | 29 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-126 | ND | | 20 | 5.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-127 | ND | | 200 | 2.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-128 | ND | | 400 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-129 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-130 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-131 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-132 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-133 | ND | | 200 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-134 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-135 | 9.87 | J q | 400 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-136 | ND | | 200 | 6.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-137 | ND | | 200 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-138 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-139 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-140 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-141 | ND | | 200 | 7.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-142 | ND | | 200 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-143 | ND | | 400 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-144 | ND | | 200 | 6.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-145 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-146 | ND | | 200 | 7.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-147 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-148 | ND | | 200 | 6.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-149 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-150 | ND | | 200 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-151 | 9.87 | J q | 400 | 9.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-152 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-153 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-154 | ND | | 200 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-155 | ND | | 20 | 5.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-156 | ND | | 40 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-157 | ND | | 40 | 8.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-158 | ND | | 200 | 6.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-159 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-160 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-161 | ND | | 200 | 5.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-162 | ND | | 200 | 9.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-163 | ND | | 800 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-164 | ND | | 200 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-165 | ND | | 200 | 5.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-166 | ND | | 400 | 9.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-167 | ND | | 20 | 7.7 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-168 | ND | | 400 | 9.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-169 | 9.19 | J q | 20 | 3.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-170 | ND | | 200 | 5.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-171 | ND | | 400 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-172 | ND | | 200 | 5.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-173 | ND | | 400 | 9.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-174 | ND | | 200 | 17 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-175 | ND | | 200 | 3.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-176 | ND | | 200 | 4.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-177 | ND | | 200 | 3.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-178 | ND | | 200 | 4.2 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-179 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-180 | ND | | 400 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-181 | ND | | 200 | 4.5 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-182 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-183 | ND | | 200 | 6.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-184 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-185 | ND | | 200 | 12 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-186 | ND | | 200 | 15 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-187 | ND | | 200 | 6.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-188 | ND | | 20 | 10 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-189 | ND | | 20 | 16 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-190 | ND | | 200 | 2.6 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-191 | ND | | 200 | 3.0 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-192 | ND | | 200 | 4.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-193 | ND | | 400 | 7.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-194 | ND | | 200 | 8.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-195 | ND | | 200 | 18 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-196 | ND | | 200 | 3.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-197 | ND | | 200 | 14 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-198 | ND | | 400 | 7.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-199 | ND | | 400 | 7.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-200 | ND | | 200 | 5.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-201 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-202 | ND | | 20 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-203 | ND | | 200 | 4.9 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-204 | ND | | 200 | 13 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-205 | ND | | 20 | 4.1 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-206 | ND | | 20 | 8.3 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-207 | ND | | 200 | 5.4 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-208 | ND | | 20 | 3.8 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |
| PCB-209 | ND | | 20 | 11 | pg/L | | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *69* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-3L* | *65* | | *15 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-4L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-15L* | *62* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-19L* | *66* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-37L* | *64* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-54L* | *66* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-77L* | *58* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-81L* | *64* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-104L* | *67* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-105L* | *73* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-114L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-118L* | *72* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-123L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-126L* | *73* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-155L* | *61* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-156L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-156L/157L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-157L* | *70* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-167L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-169L* | *69* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-188L* | *59* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-189L* | *71* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-202L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-205L* | *80* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-206L* | *81* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-208L* | *68* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-209L* | *76* | | *25 - 150* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-28L* | *71* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |
| *PCB-111L* | *76* | | *30 - 135* | *06/18/25 09:51* | *06/24/25 00:22* | *1* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-858301/1-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-178L | 83 | | 30 - 135 | 06/18/25 09:51 | 06/24/25 00:22 | 1 |

**Lab Sample ID: LCS 320-858301/2-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | | | 2000 | 1980 | | pg/L | | 99 | 50 - 150 | | |
| PCB-3 | | | 2000 | 1970 | | pg/L | | 98 | 50 - 150 | | |
| PCB-4 | | | 2000 | 2170 | | pg/L | | 108 | 50 - 150 | | |
| PCB-15 | | | 2000 | 1880 | | pg/L | | 94 | 50 - 150 | | |
| PCB-19 | | | 2000 | 2130 | | pg/L | | 107 | 50 - 150 | | |
| PCB-37 | | | 2000 | 2060 | | pg/L | | 103 | 50 - 150 | | |
| PCB-54 | | | 2000 | 2300 | | pg/L | | 115 | 50 - 150 | | |
| PCB-77 | | | 2000 | 2210 | | pg/L | | 110 | 50 - 150 | | |
| PCB-81 | | | 2000 | 2160 | | pg/L | | 108 | 50 - 150 | | |
| PCB-104 | | | 2000 | 2340 | | pg/L | | 117 | 50 - 150 | | |
| PCB-105 | | | 2000 | 2000 | | pg/L | | 100 | 50 - 150 | | |
| PCB-114 | | | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | | |
| PCB-118 | | | 2000 | 2010 | | pg/L | | 100 | 50 - 150 | | |
| PCB-123 | | | 2000 | 2360 | | pg/L | | 118 | 50 - 150 | | |
| PCB-126 | | | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | | |
| PCB-155 | | | 2000 | 2670 | | pg/L | | 134 | 50 - 150 | | |
| PCB-156 | | | 4000 | 4050 | | pg/L | | 101 | 50 - 150 | | |
| PCB-157 | | | 4000 | 4050 | | pg/L | | 101 | 50 - 150 | | |
| PCB-167 | | | 2000 | 2040 | | pg/L | | 102 | 50 - 150 | | |
| PCB-169 | | | 2000 | 2030 | | pg/L | | 101 | 50 - 150 | | |
| PCB-188 | | | 2000 | 2110 | | pg/L | | 106 | 50 - 150 | | |
| PCB-189 | | | 2000 | 2180 | | pg/L | | 109 | 50 - 150 | | |
| PCB-202 | | | 2000 | 2150 | | pg/L | | 107 | 50 - 150 | | |
| PCB-205 | | | 2000 | 2040 | | pg/L | | 102 | 50 - 150 | | |
| PCB-206 | | | 2000 | 1710 | | pg/L | | 85 | 50 - 150 | | |
| PCB-208 | | | 2000 | 2070 | | pg/L | | 104 | 50 - 150 | | |
| PCB-209 | | | 2000 | 1930 | | pg/L | | 97 | 50 - 150 | | |

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-1L | 76 | | 15 - 140 |
| PCB-3L | 71 | | 15 - 140 |
| PCB-4L | 72 | | 30 - 140 |
| PCB-15L | 68 | | 30 - 140 |
| PCB-19L | 69 | | 30 - 140 |
| PCB-37L | 77 | | 30 - 140 |
| PCB-54L | 70 | | 30 - 140 |
| PCB-77L | 67 | | 30 - 140 |
| PCB-81L | 74 | | 30 - 140 |
| PCB-104L | 74 | | 30 - 140 |
| PCB-105L | 78 | | 30 - 140 |
| PCB-114L | 78 | | 30 - 140 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCS 320-858301/2-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-118L | 76 | | 30 - 140 |
| PCB-123L | 74 | | 30 - 140 |
| PCB-126L | 81 | | 30 - 140 |
| PCB-155L | 64 | | 30 - 140 |
| PCB-156L | 73 | | 30 - 140 |
| PCB-156L/157L | 73 | | 30 - 140 |
| PCB-157L | 73 | | 30 - 140 |
| PCB-167L | 73 | | 30 - 140 |
| PCB-169L | 76 | | 30 - 140 |
| PCB-188L | 61 | | 30 - 140 |
| PCB-189L | 77 | | 30 - 140 |
| PCB-202L | 72 | | 30 - 140 |
| PCB-205L | 89 | | 30 - 140 |
| PCB-206L | 92 | | 30 - 140 |
| PCB-208L | 80 | | 30 - 140 |
| PCB-209L | 84 | | 30 - 140 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-28L | 83 | | 40 - 125 |
| PCB-111L | 80 | | 40 - 125 |
| PCB-178L | 86 | | 40 - 125 |

**Lab Sample ID: LCSD 320-858301/3-A**
**Matrix: Water**
**Analysis Batch: 859381**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 858301**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | | | 2000 | 2010 | | pg/L | | 100 | 50 - 150 | 2 | 50 |
| PCB-3 | | | 2000 | 2020 | | pg/L | | 101 | 50 - 150 | 2 | 50 |
| PCB-4 | | | 2000 | 2250 | | pg/L | | 113 | 50 - 150 | 4 | 50 |
| PCB-15 | | | 2000 | 1980 | | pg/L | | 99 | 50 - 150 | 5 | 50 |
| PCB-19 | | | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | 0 | 50 |
| PCB-37 | | | 2000 | 2200 | | pg/L | | 110 | 50 - 150 | 6 | 50 |
| PCB-54 | | | 2000 | 2350 | | pg/L | | 118 | 50 - 150 | 2 | 50 |
| PCB-77 | | | 2000 | 2190 | | pg/L | | 109 | 50 - 150 | 1 | 50 |
| PCB-81 | | | 2000 | 2190 | | pg/L | | 109 | 50 - 150 | 2 | 50 |
| PCB-104 | | | 2000 | 2510 | | pg/L | | 126 | 50 - 150 | 7 | 50 |
| PCB-105 | | | 2000 | 2070 | | pg/L | | 103 | 50 - 150 | 3 | 50 |
| PCB-114 | | | 2000 | 2200 | | pg/L | | 110 | 50 - 150 | 3 | 50 |
| PCB-118 | | | 2000 | 2040 | | pg/L | | 102 | 50 - 150 | 2 | 50 |
| PCB-123 | | | 2000 | 2350 | | pg/L | | 118 | 50 - 150 | 0 | 50 |
| PCB-126 | | | 2000 | 2160 | | pg/L | | 108 | 50 - 150 | 1 | 50 |
| PCB-155 | | | 2000 | 2840 | | pg/L | | 142 | 50 - 150 | 6 | 50 |
| PCB-156 | | | 4000 | 4010 | | pg/L | | 100 | 50 - 150 | 1 | 50 |
| PCB-157 | | | 4000 | 4010 | | pg/L | | 100 | 50 - 150 | 1 | 50 |
| PCB-167 | | | 2000 | 2140 | | pg/L | | 107 | 50 - 150 | 5 | 50 |
| PCB-169 | | | 2000 | 2060 | | pg/L | | 103 | 50 - 150 | 1 | 50 |
| PCB-188 | | | 2000 | 2170 | | pg/L | | 108 | 50 - 150 | 3 | 50 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCSD 320-858301/3-A**
**Client Sample ID: Lab Control Sample Dup**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 859381**
**Prep Batch: 858301**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-189 | | | 2000 | 2230 | | pg/L | | 112 | 50 - 150 | 3 | 50 |
| PCB-202 | | | 2000 | 2230 | | pg/L | | 112 | 50 - 150 | 4 | 50 |
| PCB-205 | | | 2000 | 2030 | | pg/L | | 102 | 50 - 150 | 0 | 50 |
| PCB-206 | | | 2000 | 1770 | | pg/L | | 89 | 50 - 150 | 4 | 50 |
| PCB-208 | | | 2000 | 2060 | | pg/L | | 103 | 50 - 150 | 1 | 50 |
| PCB-209 | | | 2000 | 1940 | | pg/L | | 97 | 50 - 150 | 1 | 50 |

| *Isotope Dilution* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-1L* | *71* | | *15 - 140* |
| *PCB-3L* | *67* | | *15 - 140* |
| *PCB-4L* | *67* | | *30 - 140* |
| *PCB-15L* | *60* | | *30 - 140* |
| *PCB-19L* | *65* | | *30 - 140* |
| *PCB-37L* | *66* | | *30 - 140* |
| *PCB-54L* | *63* | | *30 - 140* |
| *PCB-77L* | *63* | | *30 - 140* |
| *PCB-81L* | *68* | | *30 - 140* |
| *PCB-104L* | *63* | | *30 - 140* |
| *PCB-105L* | *70* | | *30 - 140* |
| *PCB-114L* | *71* | | *30 - 140* |
| *PCB-118L* | *70* | | *30 - 140* |
| *PCB-123L* | *68* | | *30 - 140* |
| *PCB-126L* | *76* | | *30 - 140* |
| *PCB-155L* | *52* | | *30 - 140* |
| *PCB-156L* | *69* | | *30 - 140* |
| *PCB-156L/157L* | *69* | | *30 - 140* |
| *PCB-157L* | *69* | | *30 - 140* |
| *PCB-167L* | *65* | | *30 - 140* |
| *PCB-169L* | *72* | | *30 - 140* |
| *PCB-188L* | *53* | | *30 - 140* |
| *PCB-189L* | *72* | | *30 - 140* |
| *PCB-202L* | *60* | | *30 - 140* |
| *PCB-205L* | *86* | | *30 - 140* |
| *PCB-206L* | *87* | | *30 - 140* |
| *PCB-208L* | *73* | | *30 - 140* |
| *PCB-209L* | *81* | | *30 - 140* |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-28L* | *75* | | *40 - 125* |
| *PCB-111L* | *74* | | *40 - 125* |
| *PCB-178L* | *82* | | *40 - 125* |

## Method: 200.7 Rev 4.4 - Metals (ICP)

**Lab Sample ID: MRL 885-28033/13**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Calcium | 0.500 | 0.519 | J | mg/L | | 104 | 50 - 150 |
| Magnesium | 0.500 | 0.510 | J | mg/L | | 102 | 50 - 150 |

**Lab Sample ID: MB 885-27775/1-A**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 27775**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | ND | | 1.0 | 0.42 | mg/L | | 06/06/25 11:43 | 06/10/25 12:06 | 1 |
| Magnesium | ND | | 1.0 | 0.064 | mg/L | | 06/06/25 11:43 | 06/10/25 12:06 | 1 |

**Lab Sample ID: LCS 885-27775/6-A**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 27775**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Calcium | 50.0 | 51.3 | | mg/L | | 103 | 85 - 115 |
| Magnesium | 50.0 | 51.2 | | mg/L | | 102 | 85 - 115 |

**Lab Sample ID: LLCS 885-27775/5-A**
**Matrix: Water**
**Analysis Batch: 28033**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 27775**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Calcium | 0.500 | 0.510 | J | mg/L | | 102 | 50 - 150 |
| Magnesium | 0.500 | 0.511 | J | mg/L | | 102 | 50 - 150 |

## Method: 200.8 - Metals (ICP/MS)

**Lab Sample ID: MB 885-29006/42**
**Matrix: Water**
**Analysis Batch: 29006**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.00050 | 0.00034 | mg/L | | | 06/25/25 10:05 | 1 |
| Copper | ND | | 0.00050 | 0.00030 | mg/L | | | 06/25/25 10:05 | 1 |

**Lab Sample ID: LCS 885-29006/43**
**Matrix: Water**
**Analysis Batch: 29006**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.0125 | 0.0127 | | mg/L | | 101 | 85 - 115 |
| Copper | 0.0250 | 0.0246 | | mg/L | | 98 | 85 - 115 |

## Method: 200.8 - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCSD 885-29006/99**
**Matrix: Water**
**Analysis Batch: 29006**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | | | 0.0125 | 0.0122 | | mg/L | | 98 | 85 - 115 | 4 | 20 |
| Copper | | | 0.0250 | 0.0261 | | mg/L | | 105 | 85 - 115 | 6 | 20 |

**Lab Sample ID: MRL 885-29006/40**
**Matrix: Water**
**Analysis Batch: 29006**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Lead | | | 0.000500 | 0.000500 | | mg/L | | 100 | 50 - 150 |

**Lab Sample ID: MRL 885-29006/41**
**Matrix: Water**
**Analysis Batch: 29006**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Copper | | | 0.000500 | 0.000504 | | mg/L | | 101 | 50 - 150 |

**Lab Sample ID: MRL 885-29041/18**
**Matrix: Water**
**Analysis Batch: 29041**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Lead | | | 0.000500 | 0.000477 | J | mg/L | | 95 | 50 - 150 |

**Lab Sample ID: MRL 885-29041/19**
**Matrix: Water**
**Analysis Batch: 29041**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Copper | | | 0.000500 | 0.000457 | J | mg/L | | 91 | 50 - 150 |

**Lab Sample ID: MB 160-722346/1-A**
**Matrix: Water**
**Analysis Batch: 723568**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 722346**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Uranium | ND | | 1.0 | 0.15 | ug/L | | 06/13/25 13:21 | 06/19/25 16:22 | 2 |

**Lab Sample ID: LCS 160-722346/2-A**
**Matrix: Water**
**Analysis Batch: 723568**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 722346**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Uranium | | | 1000 | 1030 | | ug/L | | 103 | 85 - 115 |

## Method: 200.8 - Metals (ICP/MS) (Continued)

**Lab Sample ID: 885-26174-1 MS**
**Matrix: Water**
**Analysis Batch: 723568**

**Client Sample ID: RG-SOUTH20250605**
**Prep Type: Total/NA**
**Prep Batch: 722346**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Uranium | 3.5 | | 1000 | 1070 | | ug/L | | 106 | 70 - 130 |

**Lab Sample ID: 885-26174-1 MSD**
**Matrix: Water**
**Analysis Batch: 723568**

**Client Sample ID: RG-SOUTH20250605**
**Prep Type: Total/NA**
**Prep Batch: 722346**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | 3.5 | | 1000 | 1040 | | ug/L | | 104 | 70 - 130 | 2 | 20 |

## Method: 1664B - HEM and SGT-HEM

**Lab Sample ID: MB 885-27844/1**
**Matrix: Water**
**Analysis Batch: 27844**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | ND | | 9.0 | 9.0 | mg/L | | | 06/09/25 08:07 | 1 |

**Lab Sample ID: LCS 885-27844/2**
**Matrix: Water**
**Analysis Batch: 27844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 40.0 | 38.0 | | mg/L | | 95 | 78 - 114 |

**Lab Sample ID: LCSD 885-27844/3**
**Matrix: Water**
**Analysis Batch: 27844**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 40.0 | 40.6 | | mg/L | | 101 | 78 - 114 | 7 | 20 |

**Lab Sample ID: MRL 885-27844/12**
**Matrix: Water**
**Analysis Batch: 27844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 8.00 | 8.40 | | mg/L | | 105 | 50 - 150 |

**Lab Sample ID: MRL 885-27844/13**
**Matrix: Water**
**Analysis Batch: 27844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 8.00 | 8.00 | | mg/L | | 100 | 50 - 150 |

## Method: 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 885-28169/1**
**Matrix: Water**
**Analysis Batch: 28169**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | 50 | 25 | mg/L | | | 06/12/25 12:14 | 1 |

**Lab Sample ID: LCS 885-28169/2**
**Matrix: Water**
**Analysis Batch: 28169**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 994 | | mg/L | | 99 | 80 - 120 |

**Lab Sample ID: MB 885-28620/1**
**Matrix: Water**
**Analysis Batch: 28620**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | 50 | 25 | mg/L | | | 06/18/25 17:14 | 1 |

**Lab Sample ID: LCS 885-28620/2**
**Matrix: Water**
**Analysis Batch: 28620**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 1000 | | mg/L | | 100 | 80 - 120 |

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID: MRL 885-28606/2-A**
**Matrix: Water**
**Analysis Batch: 28733**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 28606**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 0.500 | ND | | mg/L | | 91 | 50 - 150 |

**Lab Sample ID: MB 885-28662/3-A**
**Matrix: Water**
**Analysis Batch: 28733**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 28662**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | ND | | 0.50 | 0.50 | mg/L | | 06/19/25 11:34 | 06/20/25 10:11 | 1 |

**Lab Sample ID: LCS 885-28662/5-A**
**Matrix: Water**
**Analysis Batch: 28733**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 28662**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 10.0 | 9.30 | | mg/L | | 93 | 90 - 110 |

## Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

**Lab Sample ID: MRL 885-28662/4-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28733**
**Prep Batch: 28662**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 0.500 | ND | | mg/L | | 89 | 50 - 150 |

## Method: 365.1 - Phosphorus, Total

**Lab Sample ID: MB 885-27970/3-A**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28082**
**Prep Batch: 27970**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | ND | | 0.050 | 0.050 | mg/L | | 06/10/25 12:28 | 06/11/25 12:02 | 1 |

**Lab Sample ID: LCS 885-27970/5-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28082**
**Prep Batch: 27970**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.250 | 0.250 | | mg/L | | 100 | 90 - 110 |

**Lab Sample ID: MRL 885-27970/4-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28082**
**Prep Batch: 27970**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.0500 | ND | | mg/L | | 89 | 50 - 150 |

**Lab Sample ID: MB 885-28279/3-A**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28336**
**Prep Batch: 28279**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | ND | | 0.050 | 0.050 | mg/L | | 06/13/25 12:55 | 06/14/25 08:17 | 1 |

**Lab Sample ID: LCS 885-28279/5-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28336**
**Prep Batch: 28279**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.250 | 0.242 | | mg/L | | 97 | 90 - 110 |

**Lab Sample ID: MRL 885-28279/4-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 28336**
**Prep Batch: 28279**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.0500 | ND | | mg/L | | 93 | 50 - 150 |

## Method: 5210 B-2016 - BOD, 5-Day

**Lab Sample ID: MB 192-35124/15-A**
**Matrix: Water**
**Analysis Batch: 35386**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | 2.0 | 1.0 | mg/L | | | 06/06/25 10:48 | 1 |

**Lab Sample ID: MB 192-35386/10**
**Matrix: Water**
**Analysis Batch: 35386**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | 2.0 | 1.0 | mg/L | | | 06/06/25 10:53 | 1 |

**Lab Sample ID: MB 192-35386/4**
**Matrix: Water**
**Analysis Batch: 35386**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | 2.0 | 1.0 | mg/L | | | 06/06/25 10:35 | 1 |

**Lab Sample ID: USB 192-35386/1**
**Matrix: Water**
**Analysis Batch: 35386**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | USB Result | USB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | <0.2 | | 0.0000013 | 0.00000067 | mg/L | | | 06/06/25 10:23 | 1 |

**Lab Sample ID: LCS 192-35124/16-A**
**Matrix: Water**
**Analysis Batch: 35386**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 200 | 186 | | mg/L | | 93 | 85 - 115 |

**Lab Sample ID: LCS 192-35386/11**
**Matrix: Water**
**Analysis Batch: 35386**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 200 | 186 | | mg/L | | 93 | 85 - 115 |

**Lab Sample ID: LCS 192-35386/5**
**Matrix: Water**
**Analysis Batch: 35386**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 200 | 209 | | mg/L | | 104 | 85 - 115 |

## Method: 5220D - COD

**Lab Sample ID: MB 885-28844/4**
**Matrix: Water**
**Analysis Batch: 28844**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | 50 | 50 | mg/L | | | 06/19/25 13:17 | 1 |

**Lab Sample ID: LCS 885-28844/5**
**Matrix: Water**
**Analysis Batch: 28844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 500 | 512 | | mg/L | | 102 | 90 - 110 |

**Lab Sample ID: MRL 885-28844/6**
**Matrix: Water**
**Analysis Batch: 28844**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 50.0 | 53.8 | | mg/L | | 108 | 50 - 150 |

## Method: SM 2540D - Solids, Total Suspended (TSS)

**Lab Sample ID: MB 885-28066/1**
**Matrix: Water**
**Analysis Batch: 28066**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 06/11/25 11:37 | 1 |

**Lab Sample ID: LCSSRM 885-28066/2**
**Matrix: Water**
**Analysis Batch: 28066**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 100 | 103 | | mg/L | | 103.2 | 78.4 - 110.0 |

## Method: SM 4500 NH3 C - Ammonia

**Lab Sample ID: MB 885-28353/1-A**
**Matrix: Water**
**Analysis Batch: 28394**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 28353**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Ammonia | ND | | 0.67 | 0.28 | mg/L | | 06/16/25 07:33 | 06/16/25 07:33 | 1 |

**Lab Sample ID: LCS 885-28353/2-A**
**Matrix: Water**
**Analysis Batch: 28394**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 28353**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Ammonia | 10.0 | 9.80 | | mg/L | | 98 | 80 - 120 |

## Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

**Lab Sample ID: MB 160-722499/1-A**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 723120**
**Prep Batch: 722499**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 1.081 | | 0.699 | 0.710 | 3.00 | 1.01 | pCi/L | 06/16/25 08:06 | 06/18/25 07:52 | 1 |
| Gross Beta | 0.9580 | | 0.593 | 0.601 | 4.00 | 0.876 | pCi/L | 06/16/25 08:06 | 06/18/25 07:52 | 1 |

**Lab Sample ID: LCS 160-722499/2-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 723120**
**Prep Batch: 722499**

| Analyte | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 49.4 | 50.42 | | 7.52 | 3.00 | 2.49 | pCi/L | 102 | 75 - 125 |

**Lab Sample ID: LCSB 160-722499/3-A**
**Client Sample ID: Lab Control Sample**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 723120**
**Prep Batch: 722499**

| Analyte | Spike Added | LCSB Result | LCSB Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gross Beta | 69.7 | 67.41 | | 7.28 | 4.00 | 0.997 | pCi/L | 97 | 75 - 125 |

## Method: 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

**Lab Sample ID: MB 885-27712/1**
**Client Sample ID: Method Blank**
**Matrix: Water**
**Prep Type: Total/NA**
**Analysis Batch: 27712**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | ND | | 1.0 | 1.0 | MPN/100mL | | | 06/05/25 16:56 | 1 |

## GC/MS VOA

### Analysis Batch: 241668

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 624.1 | |
| MB 860-241668/10 | Method Blank | Total/NA | Water | 624.1 | |
| LCS 860-241668/3 | Lab Control Sample | Total/NA | Water | 624.1 | |
| LCSD 860-241668/4 | Lab Control Sample Dup | Total/NA | Water | 624.1 | |
| 885-26174-1 MS | RG-SOUTH20250605 | Total/NA | Water | 624.1 | |

## GC/MS Semi VOA

### Prep Batch: 241774

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 3511 | |
| MB 860-241774/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-241774/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-241774/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

### Analysis Batch: 242037

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-241774/1-A | Method Blank | Total/NA | Water | 625.1 | 241774 |
| LCS 860-241774/2-A | Lab Control Sample | Total/NA | Water | 625.1 | 241774 |
| LCSD 860-241774/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 | 241774 |

### Analysis Batch: 242432

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 625.1 | 241774 |

## GC Semi VOA

### Prep Batch: 241782

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 3511 | |
| MB 860-241782/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-241782/14-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-241782/15-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

### Analysis Batch: 241937

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 608.3 | 241782 |
| MB 860-241782/1-A | Method Blank | Total/NA | Water | 608.3 | 241782 |
| LCS 860-241782/14-A | Lab Control Sample | Total/NA | Water | 608.3 | 241782 |
| LCSD 860-241782/15-A | Lab Control Sample Dup | Total/NA | Water | 608.3 | 241782 |

## HPLC/IC

### Analysis Batch: 27716

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 300.0 | |
| MB 885-27716/4 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 885-27716/5 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 582393

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 218.6 | |

## HPLC/IC (Continued)

### Analysis Batch: 582393 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 570-582393/35 | Method Blank | Total/NA | Water | 218.6 | |
| LCS 570-582393/36 | Lab Control Sample | Total/NA | Water | 218.6 | |
| LCSD 570-582393/37 | Lab Control Sample Dup | Total/NA | Water | 218.6 | |

## LCMS

### Prep Batch: 858067

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 1633 | |
| 885-26174-1 - RA | RG-SOUTH20250605 | Total/NA | Water | 1633 | |
| MB 320-858067/1-A | Method Blank | Total/NA | Water | 1633 | |
| LCS 320-858067/3-A | Lab Control Sample | Total/NA | Water | 1633 | |
| LCSD 320-858067/4-A | Lab Control Sample Dup | Total/NA | Water | 1633 | |
| LLCS 320-858067/2-A | Lab Control Sample | Total/NA | Water | 1633 | |

### Analysis Batch: 858281

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 1633 | 858067 |
| MB 320-858067/1-A | Method Blank | Total/NA | Water | 1633 | 858067 |
| LCS 320-858067/3-A | Lab Control Sample | Total/NA | Water | 1633 | 858067 |
| LCSD 320-858067/4-A | Lab Control Sample Dup | Total/NA | Water | 1633 | 858067 |
| LLCS 320-858067/2-A | Lab Control Sample | Total/NA | Water | 1633 | 858067 |

### Analysis Batch: 858807

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 - RA | RG-SOUTH20250605 | Total/NA | Water | 1633 | 858067 |

## Specialty Organics

### Prep Batch: 858301

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | HRMS-Sep | |
| MB 320-858301/1-A | Method Blank | Total/NA | Water | HRMS-Sep | |
| LCS 320-858301/2-A | Lab Control Sample | Total/NA | Water | HRMS-Sep | |
| LCSD 320-858301/3-A | Lab Control Sample Dup | Total/NA | Water | HRMS-Sep | |

### Analysis Batch: 859381

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 1668A | 858301 |
| MB 320-858301/1-A | Method Blank | Total/NA | Water | 1668A | 858301 |
| LCS 320-858301/2-A | Lab Control Sample | Total/NA | Water | 1668A | 858301 |
| LCSD 320-858301/3-A | Lab Control Sample Dup | Total/NA | Water | 1668A | 858301 |

## Metals

### Prep Batch: 27775

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total Recoverable | Water | 200.2 | |
| MB 885-27775/1-A | Method Blank | Total Recoverable | Water | 200.2 | |
| LCS 885-27775/6-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |
| LLCS 885-27775/5-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |

## Metals

### Analysis Batch: 28033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total Recoverable | Water | 200.7 Rev 4.4 | 27775 |
| MB 885-27775/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 27775 |
| LCS 885-27775/6-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 27775 |
| LLCS 885-27775/5-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 27775 |
| MRL 885-28033/13 | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | |

### Analysis Batch: 28090

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total Recoverable | Water | SM 2340B | |

### Analysis Batch: 29006

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 885-29006/42 | Method Blank | Total/NA | Water | 200.8 | |
| LCS 885-29006/43 | Lab Control Sample | Total/NA | Water | 200.8 | |
| LCSD 885-29006/99 | Lab Control Sample Dup | Total/NA | Water | 200.8 | |
| MRL 885-29006/40 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-29006/41 | Lab Control Sample | Total/NA | Water | 200.8 | |

### Analysis Batch: 29041

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Dissolved | Water | 200.8 | |
| MRL 885-29041/18 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-29041/19 | Lab Control Sample | Total/NA | Water | 200.8 | |

### Prep Batch: 722346

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 200.7/200.8 | |
| MB 160-722346/1-A | Method Blank | Total/NA | Water | 200.7/200.8 | |
| LCS 160-722346/2-A | Lab Control Sample | Total/NA | Water | 200.7/200.8 | |
| 885-26174-1 MS | RG-SOUTH20250605 | Total/NA | Water | 200.7/200.8 | |
| 885-26174-1 MSD | RG-SOUTH20250605 | Total/NA | Water | 200.7/200.8 | |

### Analysis Batch: 723568

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 200.8 | 722346 |
| MB 160-722346/1-A | Method Blank | Total/NA | Water | 200.8 | 722346 |
| LCS 160-722346/2-A | Lab Control Sample | Total/NA | Water | 200.8 | 722346 |
| 885-26174-1 MS | RG-SOUTH20250605 | Total/NA | Water | 200.8 | 722346 |
| 885-26174-1 MSD | RG-SOUTH20250605 | Total/NA | Water | 200.8 | 722346 |

## General Chemistry

### Analysis Batch: 27844

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 1664B | |
| MB 885-27844/1 | Method Blank | Total/NA | Water | 1664B | |
| LCS 885-27844/2 | Lab Control Sample | Total/NA | Water | 1664B | |
| LCSD 885-27844/3 | Lab Control Sample Dup | Total/NA | Water | 1664B | |
| MRL 885-27844/12 | Lab Control Sample | Total/NA | Water | 1664B | |
| MRL 885-27844/13 | Lab Control Sample | Total/NA | Water | 1664B | |

## General Chemistry

### Prep Batch: 27970

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 365.2/365.3/365 | |
| 885-26174-3 | RG-SOUTH20250605-Filtered | Dissolved | Water | 365.2/365.3/365 | |
| MB 885-27970/3-A | Method Blank | Total/NA | Water | 365.2/365.3/365 | |
| LCS 885-27970/5-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| MRL 885-27970/4-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |

### Analysis Batch: 28004

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | SM 4500 H+ B | |

### Analysis Batch: 28066

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | SM 2540D | |
| MB 885-28066/1 | Method Blank | Total/NA | Water | SM 2540D | |
| LCSSRM 885-28066/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |

### Analysis Batch: 28082

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 365.1 | 27970 |
| 885-26174-3 | RG-SOUTH20250605-Filtered | Dissolved | Water | 365.1 | 27970 |
| MB 885-27970/3-A | Method Blank | Total/NA | Water | 365.1 | 27970 |
| LCS 885-27970/5-A | Lab Control Sample | Total/NA | Water | 365.1 | 27970 |
| MRL 885-27970/4-A | Lab Control Sample | Total/NA | Water | 365.1 | 27970 |

### Analysis Batch: 28169

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 885-28169/1 | Method Blank | Total/NA | Water | 2540C | |
| LCS 885-28169/2 | Lab Control Sample | Total/NA | Water | 2540C | |

### Prep Batch: 28279

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 885-28279/3-A | Method Blank | Total/NA | Water | 365.2/365.3/365 | |
| LCS 885-28279/5-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| MRL 885-28279/4-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |

### Analysis Batch: 28336

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 885-28279/3-A | Method Blank | Total/NA | Water | 365.1 | 28279 |
| LCS 885-28279/5-A | Lab Control Sample | Total/NA | Water | 365.1 | 28279 |
| MRL 885-28279/4-A | Lab Control Sample | Total/NA | Water | 365.1 | 28279 |

### Prep Batch: 28353

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | SM 4500 NH3 B | |
| MB 885-28353/1-A | Method Blank | Total/NA | Water | SM 4500 NH3 B | |
| LCS 885-28353/2-A | Lab Control Sample | Total/NA | Water | SM 4500 NH3 B | |

### Analysis Batch: 28394

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | SM 4500 NH3 C | 28353 |
| MB 885-28353/1-A | Method Blank | Total/NA | Water | SM 4500 NH3 C | 28353 |

## General Chemistry (Continued)

### Analysis Batch: 28394 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 885-28353/2-A | Lab Control Sample | Total/NA | Water | SM 4500 NH3 C | 28353 |

### Prep Batch: 28606

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MRL 885-28606/2-A | Lab Control Sample | Total/NA | Water | 351.2 | |

### Analysis Batch: 28620

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 2540C | |
| MB 885-28620/1 | Method Blank | Total/NA | Water | 2540C | |
| LCS 885-28620/2 | Lab Control Sample | Total/NA | Water | 2540C | |

### Prep Batch: 28662

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 351.2 | |
| MB 885-28662/3-A | Method Blank | Total/NA | Water | 351.2 | |
| LCS 885-28662/5-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| MRL 885-28662/4-A | Lab Control Sample | Total/NA | Water | 351.2 | |

### Analysis Batch: 28733

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 351.2 | 28662 |
| MB 885-28662/3-A | Method Blank | Total/NA | Water | 351.2 | 28662 |
| LCS 885-28662/5-A | Lab Control Sample | Total/NA | Water | 351.2 | 28662 |
| MRL 885-28606/2-A | Lab Control Sample | Total/NA | Water | 351.2 | 28606 |
| MRL 885-28662/4-A | Lab Control Sample | Total/NA | Water | 351.2 | 28662 |

### Analysis Batch: 28844

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 5220D | |
| MB 885-28844/4 | Method Blank | Total/NA | Water | 5220D | |
| LCS 885-28844/5 | Lab Control Sample | Total/NA | Water | 5220D | |
| MRL 885-28844/6 | Lab Control Sample | Total/NA | Water | 5220D | |

### Cleanup Batch: 35124

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 192-35124/15-A | Method Blank | Total/NA | Water | Filtration | |
| LCS 192-35124/16-A | Lab Control Sample | Total/NA | Water | Filtration | |

### Analysis Batch: 35386

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 5210 B-2016 | |
| MB 192-35124/15-A | Method Blank | Total/NA | Water | 5210 B-2016 | 35124 |
| MB 192-35386/10 | Method Blank | Total/NA | Water | 5210 B-2016 | |
| MB 192-35386/4 | Method Blank | Total/NA | Water | 5210 B-2016 | |
| USB 192-35386/1 | Method Blank | Total/NA | Water | 5210 B-2016 | |
| LCS 192-35124/16-A | Lab Control Sample | Total/NA | Water | 5210 B-2016 | 35124 |
| LCS 192-35386/11 | Lab Control Sample | Total/NA | Water | 5210 B-2016 | |
| LCS 192-35386/5 | Lab Control Sample | Total/NA | Water | 5210 B-2016 | |

# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Rad

### Prep Batch: 722499

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | Evaporation | |
| MB 160-722499/1-A | Method Blank | Total/NA | Water | Evaporation | |
| LCS 160-722499/2-A | Lab Control Sample | Total/NA | Water | Evaporation | |
| LCSB 160-722499/3-A | Lab Control Sample | Total/NA | Water | Evaporation | |

## Biology

### Analysis Batch: 27712

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-26174-1 | RG-SOUTH20250605 | Total/NA | Water | 9223B | |
| 885-26174-2 | RG-ALAMEDA20250605 | Total/NA | Water | 9223B | |
| MB 885-27712/1 | Method Blank | Total/NA | Water | 9223B | |

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Client Sample ID: RG-SOUTH20250605
**Lab Sample ID: 885-26174-1**
**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 624.1 | | 1 | 241668 | NA | EET HOU | 06/11/25 10:51 |
| Total/NA | Prep | 3511 | | | 241774 | DR | EET HOU | 06/11/25 13:00 |
| Total/NA | Analysis | 625.1 | | 1 | 242432 | PXS | EET HOU | 06/14/25 04:37 |
| Total/NA | Prep | 3511 | | | 241782 | CT | EET HOU | 06/11/25 13:43 |
| Total/NA | Analysis | 608.3 | | 1 | 241937 | WP | EET HOU | 06/12/25 17:39 |
| Total/NA | Analysis | 218.6 | | 1 | 582393 | YO8L | EET CAL 4 | 06/11/25 10:35 |
| Total/NA | Analysis | 300.0 | | 1 | 27716 | RC | EET ALB | 06/06/25 19:09 |
| Total/NA | Prep | 1633 | | | 858067 | WVD | EET SAC | 06/17/25 12:29 |
| Total/NA | Analysis | 1633 | | 1 | 858281 | EJR | EET SAC | 06/18/25 18:13 |
| Total/NA | Prep | 1633 | RA | | 858067 | WVD | EET SAC | 06/17/25 12:29 |
| Total/NA | Analysis | 1633 | RA | 1 | 858807 | K1D | EET SAC | 06/19/25 23:28 |
| Total/NA | Prep | HRMS-Sep | | | 858301 | KSM | EET SAC | 06/18/25 09:51 |
| Total/NA | Analysis | 1668A | | 1 | 859381 | ERR | EET SAC | 06/24/25 06:50 |
| Total Recoverable | Prep | 200.2 | | | 27775 | JF | EET ALB | 06/06/25 11:43 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 28033 | JR | EET ALB | 06/10/25 15:59 |
| Dissolved | Analysis | 200.8 | | 1 | 29041 | BV | EET ALB | 06/25/25 16:13 |
| Total/NA | Prep | 200.7/200.8 | | | 722346 | LKP | EET SL | 06/13/25 13:21 |
| Total/NA | Analysis | 200.8 | | 2 | 723568 | CGB | EET SL | 06/19/25 16:28 |
| Total Recoverable | Analysis | SM 2340B | | 1 | 28090 | JF | EET ALB | 06/11/25 15:05 |
| Total/NA | Analysis | 1664B | | 1 | 27844 | SS | EET ALB | 06/09/25 08:07 |
| Total/NA | Analysis | 2540C | | 1 | 28620 | KS | EET ALB | 06/18/25 17:14 |
| Total/NA | Prep | 351.2 | | | 28662 | EH | EET ALB | 06/19/25 11:34 |
| Total/NA | Analysis | 351.2 | | 1 | 28733 | EH | EET ALB | 06/20/25 10:29 |
| Total/NA | Prep | 365.2/365.3/365 | | | 27970 | ES | EET ALB | 06/10/25 12:28 |
| Total/NA | Analysis | 365.1 | | 1 | 28082 | ES | EET ALB | 06/11/25 12:34 |
| Total/NA | Analysis | 5210 B-2016 | | 1 | 35386 | FOR | EET ARK | 06/06/25 13:33 |
| Total/NA | Analysis | 5220D | | 1 | 28844 | KH | EET ALB | 06/19/25 13:17 |
| Total/NA | Analysis | SM 2540D | | 1 | 28066 | KS | EET ALB | 06/11/25 11:37 |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | 28004 | DL | EET ALB | 06/10/25 11:22 |
| Total/NA | Prep | SM 4500 NH3 B | | | 28353 | DL | EET ALB | 06/16/25 07:33 |
| Total/NA | Analysis | SM 4500 NH3 C | | 1 | 28394 | DL | EET ALB | 06/16/25 07:33 |
| Total/NA | Prep | Evaporation | | | 722499 | MEH | EET SL | 06/16/25 08:06 |
| Total/NA | Analysis | 900.0 | | 1 | 723121 | FLC | EET SL | 06/18/25 07:53 |
| Total/NA | Analysis | Gross Alpha Adj | | 1 | 726346 | FLC | EET SL | 06/19/25 16:28 |
| Total/NA | Analysis | 9223B | | 1 | 27712 | DR | EET ALB | 06/05/25 16:56 |

## Client Sample ID: RG-ALAMEDA20250605
**Lab Sample ID: 885-26174-2**
**Date Collected: 06/05/25 12:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 9223B | | 1 | 27712 | DR | EET ALB | 06/05/25 16:56 |

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Client Sample ID: RG-SOUTH20250605-Filtered
## Lab Sample ID: 885-26174-3

**Date Collected: 06/05/25 14:20**
**Matrix: Water**
**Date Received: 06/05/25 16:16**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Dissolved | Prep | 365.2/365.3/365 | | | 27970 | ES | EET ALB | 06/10/25 12:28 |
| Dissolved | Analysis | 365.1 | | 1 | 28082 | ES | EET ALB | 06/11/25 12:35 |

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET ARK = Eurofins Arkansas, 8600 Kanis Rd, Little Rock, AR 72204, TEL (501)224-5060

EET CAL 4 = Eurofins Calscience  Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Oregon | NELAP | NM100001 | 02-26-26 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 351.2 | 351.2 | Water | Nitrogen, Total Kjeldahl |
| 5220D | | Water | Chemical Oxygen Demand |
| 9223B | | Water | Escherichia coli |

## Laboratory: Eurofins Arkansas

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arkansas DEQ | State | 60-00889 | 03-02-26 |
| Florida | NELAP | E871188 | 06-30-25 |
| Iowa | State | 436 | 10-02-25 |
| Louisiana (All) | NELAP | 01946 | 06-30-25 |
| Oklahoma | State | 8709 | 08-31-25 |
| Oregon | NELAP | 4192 | 07-12-25 |
| Texas | NELAP | T104704575 | 06-25-25 |
| Washington | State | C1087 | 07-13-25 |

## Laboratory: Eurofins Calscience

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| A2LA | Dept. of Defense ELAP | 7296.01 | 11-30-26 |
| A2LA | ISO/IEC 17025 | 7296.01 | 11-30-26 |
| Alaska (UST) | State | 25-005 | 03-02-26 |
| Arizona | State | AZ0830 | 11-16-25 |
| Arkansas DEQ | State | 88-01672 | 07-02-25 |
| California | Los Angeles County Sanitation Districts | 9257304 | 07-31-26 |
| California | SCAQMD LAP | 17LA0919 | 11-30-25 |
| California | State | 3082 | 07-01-25 |
| Kansas | NELAP | E-10420 | 07-31-25 |
| Nevada | State | CA00111 | 07-31-25 |
| Oregon | NELAP | 4175 | 02-02-26 |
| USDA | US Federal Programs | 525-23-159-97150 | 06-08-26 |
| Utah | NELAP | CA00111 | 02-28-26 |
| Washington | State | C916 | 10-11-25 |

## Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arkansas DEQ | State | 88-00759 | 08-04-25 |
| Florida | NELAP | E871002 | 06-30-25 |
| Louisiana (All) | NELAP | 03054 | 06-30-25 |
| Oklahoma | NELAP | 1306 | 08-31-25 |
| Texas | NELAP | T104704215 | 06-30-25 |
| Texas | TCEQ Water Supply | T104704215 | 12-28-25 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Laboratory: Eurofins Houston (Continued)

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| USDA | US Federal Programs | 525-23-79-79507 | 03-20-26 |

## Laboratory: Eurofins Sacramento

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alaska (UST) | State | 17-020 | 02-20-27 |
| ANAB | Dept. of Defense ELAP | L2468 | 01-20-27 |
| ANAB | Dept. of Energy | L2468.01 | 01-20-27 |
| ANAB | ISO/IEC 17025 | L2468.03 | 01-20-27 |
| Arizona | State | AZ0708 | 08-11-25 |
| Arkansas DEQ | State | 88-0691 | 05-18-26 |
| California | State | 2897 | 01-31-26 |
| Colorado | State | CA00044 | 08-31-25 |
| Florida | NELAP | E87570 | 06-30-25 |
| Georgia | State | 4040 | 01-29-26 |
| Illinois | NELAP | 200060 | 03-31-26 |
| Kansas | NELAP | E-10375 | 10-31-25 |
| Louisiana | NELAP | 01944 | 06-30-25 |
| Louisiana (All) | NELAP | 01944 | 06-30-25 |
| Maine | State | CA00004 | 04-14-26 |
| Massachusetts | State | M-CA044 | 06-30-26 |
| Michigan | State | 9947 | 01-29-26 |
| Minnesota | NELAP | 2749448 | 12-31-25 |
| Nevada | State | CA00044 | 07-31-25 |
| New Jersey | NELAP | CA005 | 06-30-25 |
| New York | NELAP | 11666 | 04-01-26 |
| Ohio | State | 41252 | 01-29-26 |
| Oregon | NELAP | 4040 | 01-29-26 |
| Texas | NELAP | T104704399-23-17 | 06-25-25 |
| US Fish & Wildlife | US Federal Programs | A22139 | 04-30-26 |
| USDA | US Federal Programs | P330-18-00239 | 02-28-26 |
| Utah | NELAP | CA000442023-16 | 02-28-26 |
| Virginia | NELAP | 460278 | 03-14-26 |
| Washington | State | C581 | 05-06-26 |
| West Virginia (DW) | State | 9930C | 02-01-26 |
| West Virginia DEP | State | 422 | 03-28-26 |
| Wisconsin | State | 998204680 | 08-31-25 |
| Wyoming | State Program | 8TMS-L | 01-28-19 * |

## Laboratory: Eurofins St. Louis

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alaska (UST) | State | 20-001 | 05-06-27 |
| ANAB | Dept. of Defense ELAP | L2305 | 04-06-27 |
| ANAB | Dept. of Energy | L2305.01 | 04-06-27 |
| ANAB | ISO/IEC 17025 | L2305 | 04-06-27 |
| Arizona | State | AZ0813 | 12-08-25 |
| California | Los Angeles County Sanitation Districts | 10259 | 06-30-22 * |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

# Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-26174-1
Project/Site: CMC

## Laboratory: Eurofins St. Louis (Continued)

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| California | State | 2886 | 06-30-25 |
| Connecticut | State | PH-0241 | 03-31-27 |
| Florida | NELAP | E87689 | 06-30-25 |
| HI - RadChem Recognition | State | n/a | 06-30-25 |
| Illinois | NELAP | 200023 | 11-30-25 |
| Iowa | State | 373 | 12-01-26 |
| Kansas | NELAP | E-10236 | 10-31-25 |
| Kentucky (DW) | State | KY90125 | 12-31-25 |
| Kentucky (WW) | State | KY90125 (Permit KY0004049) | 12-31-25 |
| Louisiana (All) | NELAP | 106151 | 06-30-25 |
| Louisiana (DW) | State | LA011 | 12-31-25 |
| Maryland | State | 310 | 09-30-25 |
| Massachusetts | State | M-MO054 | 06-30-25 |
| MI - RadChem Recognition | State | 9005 | 06-30-25 |
| Missouri | State | 780 | 06-30-25 |
| Nevada | State | MO00054 | 07-31-25 |
| New Jersey | NELAP | MO002 | 06-30-25 |
| New Mexico | State | MO00054 | 06-30-25 |
| New York | NELAP | 11616 | 03-31-26 |
| North Carolina (DW) | State | 29700 | 08-02-25 |
| North Dakota | State | R-207 | 06-30-25 |
| Oklahoma | NELAP | 9997 | 08-31-25 |
| Oregon | NELAP | 4157 | 09-01-25 |
| Pennsylvania | NELAP | 68-00540 | 02-28-26 |
| South Carolina | State | 85002 | 06-30-25 |
| Texas | NELAP | T104704193 | 07-31-25 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-25 |
| USDA | US Federal Programs | 525-23-138-94730 | 05-18-26 |
| Utah | NELAP | MO00054 | 07-31-25 |
| Virginia | NELAP | 460230 | 06-14-26 |
| Washington | State | C592 | 08-30-25 |
| West Virginia DEP | State | 381 | 10-31-25 |

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone (505) 345-3975

# Chain of Custody Record

eurofins

885-26174 COC

| Client Information | Sampler: INTERA Inc. - | Lab PM: | Carrier Tracking No(s): | COC No: |
|---|---|---|---|---|
| Client Contact: Patrick Chavez | Phone: | E-Mail: | State of Origin: New Mexico | Page: 1 of 1 |
| Company: Albuquerque Metropolitan Arroyo Flood Control Authority | PWSID: | | | Job #: |

| Address: 2600 Prospect Avenue NE | Due Date Requested: | Analysis Requested | Preservation Codes: |
|---|---|---|---|
| City: Albuquerque | TAT Requested (days): Standard | | A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify) |
| State, Zip: New Mexico 87107 | Compliance Project: Δ Yes Δ No | | |
| Phone: (505) 362-7342 cell (505) 884-2215 office | PO #: | | Other: AA-CR6 Accepted |
| Email: pchavez@amafca.org | WO #: | | |
| Project Name: CMC | Project #: | | |
| Site: | SSOW#: | | Special Instructions/Note: |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | Meth 8260C Tetrahydrofuran (THF) | Meth 1664B: HEM * | Meth 200.7: Hardness (Ca+Mg) Rev 4.4 Total Recoverable * | Meth 200.8: Dissolved Lead and Copper * | Meth 300.0: Nitrate + Nitrite as N, // Nitrate & Nitrite * | Meth 3500: Cr C-11 // Cr C-2011 Cr6 (Field Filtered) | Meth 351.2 Total Kjeldahl Nitrogen * | Meth 365.1: Dissolved Total Phosphorus * | Meth 5220D: Chemical Oxygen Demand * | Meth SM 2340B: Total Recoverable Hardness Calc * | Meth 4500: H + B - pH * | Meth 4500: NH3 B - Distillation, Ammonia * | Meth SM 5210B: Biochemical Oxygen Demand * | Meth 2540C: Total Dissolved Solids * | Meth SM 2540D: Total Suspended Solids * | Meth 365.1: Total Phosphorus * | Meth 4500: NH3 C - Ammonia * | Meth 900.0: Adjusted Gross Alpha * | Meth 1668A: Full List (209) * | Meth 537.1: PFAS (18 Analytes) * | Meth 608.3: 608 Dieldrin * | Method 625.1: Polycyclic Aromatic Hydrocarbons (PAHs) * | Method 9223B: E. Coli | Total Number of containers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | A | A | N | N | N | N | S | S | S | A | S | N | N | N | S | N | N | Y | P | N | Z | | | |
| RG-SOUTH20250605 | 6/5/25 | 14:20 | C | W | | N | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| RG-ALAMEDA20250605 | 6/5/25 | 12:20 | G | W | N | N | | | | | | | | | | | | | | | | | | | | | | | X | 1 |

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| ☐ Non-Hazard ☐ Flammable ☐ Skin irritant ☐ Poison B ☐ Unknown ☐ Radiological | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 15.3 +0.2 = 15.5°C |
|---|---|---|

Ver: 01/16/2019



7/9/2025



ORIGIN ID:ABQA (505) 345-3975
SAMPLE RECEIVING
HALL ENVIRONMENTAL
4901 HAWKINS NE

ALBUQUERQUE, NM 87109
UNITED STATES US

SHIP DATE: 09JUN25
ACTWGT: 15.00 LB
CAD: 1717027/INET4535

BILL SENDER

TO SAMPLE RECIEVING
EUROFINS TUSTIN
2841 DOW AVE
SUITE 100
TUSTIN CA 92780

(714) 895-5494 REF:
INV:
PO: DEPT:

58G.I50E74/59F2

FedEx Express

TUE - 10 JUN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 8818 9317 5304

XW DTHA

92780
CA-US SNA

885-26174 Waybill

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5252.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-26174-1 |
| Address: 13715 Rider Trail North, , | Due Date Requested: 7/1/2025 | | | Preservation Codes: - |
| City: Earth City | TAT Requested (days): N/A | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | Other: N/A |

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 900.0/Evaporation Standard Target List | GrAlAdjUnc_Calc | 200.8/200_2%P Uranium | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| RG-SOUTH20250605 (885-26174-1) | 6/5/25 | 14:20 Mountain | G | Water | | | X | X | X | 2 | |

Analysis Requested

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| | [signature] | 6/9/25 1340 | | [signature] | 0820 JUN 11 2025 | |
| | Relinquished by: | Date/Time: | Company | Received by: Cheyenne Forrest | Date/Time: | Company |
| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver: 10/10/2024

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A 8817 1736 3679 | COC No: 885-5234.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing South Centr | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-26174-1 |
| Address: 8600 Kanis Rd, | Due Date Requested: 7/1/2025 | | | |
| City: Little Rock | TAT Requested (days): N/A | | | |
| State, Zip: AR, 72204 | | | | |
| Phone: 501-224-5060(Tel) 501-224-5075(Fax) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: Dry Season | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | |

**Analysis Requested**

**Preservation Codes:** -

**Other:** N/A

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SM5210B_Calc/ BOD | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| RG-SOUTH20250605 (885-26174-1) | 6/5/25 | 14:20 Mountain | G | Water | | | X | 1 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification: Unconfirmed | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
|---|---|
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | [signature] | 6/5/25 1700 | | Ron Stephens | 6/6/25 857 | |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: ∆ Yes ∆ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.8 |
|---|---|---|

Ver: 10/10/2024

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5263.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing Northern Ca | | Accreditations Required (See note): NELAP Oregon | | Job #: 885-26174-1 |
| Address: 880 Riverside Parkway | Due Date Requested: 6/30/2025 | | | |
| City: West Sacramento | TAT Requested (days): N/A | | | |
| State, Zip: CA, 95605 | | | | |
| Phone: 916-373-5600(Tel) 916-372-1059(Fax) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | |

**Analysis Requested**

**Preservation Codes.**

Other: N/A

| Sample Identification Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1668A/HRMS_Sep_P Full List (209) | 537 1/537 1_Prep (MOD) EPA 537 List (14 Analytes) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | |
| RG-SOUTH20250605 (885-26174-1) | 6/5/25 | 14:20 Mountain | G | Water | | | X | X | 5 | J and MDL |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I II, III, IV Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements. |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | | | | | 6.10.25 905 | |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Yes No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|
| Yes | | 0.7c |

Ver: 10/10/2024



7/9/2025

eurofins | Environment Testing

# Sacramento Sample Receiving Notes (SSRN)

Tracking # 881897337290

Job ____

885-26174 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other ____

Use this form to record Sample Custody Seal, Cooler Custody Seal Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm ID L-11 Corr Factor ( + / ) ____ °C

Ice____ Wet____ Gel 1 Other ____

Cooler Custody Seal Rel

Cooler ID: ____

Temp Observed 0.7 °C Corrected 0.7 °C

From Temp Blank ☐ Sandwich ☑ Sidewall ☐

| Opening/Processing The Shipment | Yes | No | NA |
|---|---|---|---|
| Cooler compromised/tampered with? | ☐ | ☑ | ☐ |
| Cooler Temperature is acceptable? | ☑ | ☐ | ☐ |
| Frozen samples show signs of thaw? | ☐ | ☐ | ☑ |

Initials: ____ Date: 6.10.25

| Unpacking/Labeling The Samples | Yes | No | NA |
|---|---|---|---|
| Containers are not broken or leaking? | ☑ | ☐ | ☐ |
| Samples compromised/tampered with? | ☐ | ☑ | ☐ |
| COC is complete w/o discrepancies | ☑ | ☐ | ☐ |
| Sample custody seal? | ☐ | ☐ | ☑ |
| Sample containers have legible labels? | ☑ | ☐ | ☐ |
| Sample date/times are provided? | ☑ | ☐ | ☐ |
| Appropriate containers are used? | ☑ | ☐ | ☐ |
| Sample bottles are completely filled? | ☑ | ☐ | ☐ |
| Sample preservatives verified? | ☐ | ☐ | ☑ |
| Is the Field Sampler's name on COC? | ☐ | ☐ | ☑ |
| Samples w/o discrepancies? | ☑ | ☐ | ☐ |
| Zero headspace?* | ☐ | ☐ | ☑ |
| Alkalinity has no headspace? | ☐ | ☐ | ☑ |
| Perchlorate has headspace? (Methods 314; 331 6850) | ☐ | ☐ | ☑ |
| Multiphasic samples are not present? | ☑ | ☐ | ☐ |

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: ____ Date 6.10.25

Notes ____

Trizma Lot #(s) 0000306548

Ammonium Acetate Lot #(s) ____

| Login Completion | Yes | No | NA |
|---|---|---|---|
| Receipt Temperature on COC? | ☑ | ☐ | ☐ |
| NCM Filed? | ☐ | ☐ | ☑ |
| Samples received within hold time? | ☐ | ☐ | ☑ |
| Log Release checked in TALS? | ☐ | ☐ | ☑ |

Initials: ____ Date 6.10.25

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins

Loc: 885
26174

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5251.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing Southwest, | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-26174-1 |
| Address: 2841 Dow Avenue, Suite 100, , | Due Date Requested: 6/27/2025 | | | Preservation Codes: - |
| City: Tustin | TAT Requested (days): N/A | | | |
| State, Zip: CA, 92780 | | | | |
| Phone: 714-895-5494(Tel) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | Other: N/A |

Analysis Requested

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 218.6_Pres_ORGF/ Hexavalent Chromium | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| RG-SOUTH20250605 (885-26174-1) | 6/5/25 | 14:20 Mountain | G | Water | | | X | 1 | |

885-26174 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| [signature] | 6/9/25 1330 | | | | |
| Relinquished by: Fedex | Date/Time: | Company | Received by: [signature] | Date/Time: 6/10/25 0745 | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|
| | | 2-3/3-3 IR92 |

Ver: 10/10/2024

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: N/A | Lab PM: Munoz, Erin | Carrier Tracking No(s): N/A | COC No: 885-5259.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: N/A | E-Mail: Erin.Munoz@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing South Centr | | Accreditations Required (See note): NELAP Oregon | | Job #: 885-26174-1 |
| Address: 4145 Greenbriar Dr | Due Date Requested: 6/19/2025 | | | |
| City: Stafford | TAT Requested (days): N/A | | | |
| State, Zip: TX, 77477 | | | | |
| Phone: 281-240-4200(Tel) | PO #: N/A | | | |
| Email: N/A | WO #: N/A | | | |
| Project Name: CMC | Project #: 88500567 | | | |
| Site: N/A | SSOW#: N/A | | | |

**Analysis Requested**

**Preservation Codes:**

Other: N/A

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 608.3/3511 (MOD) Dieldrin only | 625.1_QQQ/3511 (MOD) Custom List | 624.1/624_Prep_3D Tetrahydrofuran (THF) | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | | |
| RG-SOUTH20250605 (885-26174-1) | 6/5/25 | 14:20 Mountain | G | Water | | | X | X | X | 8 | J and MDLs |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested I, II, III, IV Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No. | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver: 10/10/2024

7/9/2025

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

**Login Number: 26174**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

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

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

**Login Number: 26174**
**List Number: 2**
**Creator: Stephens, Ren**

**List Source: Eurofins Arkansas**
**List Creation: 06/06/25 09:45 AM**

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

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

**Login Number: 26174**
**List Number: 5**
**Creator: Khana, Piyush**

**List Source: Eurofins Calscience**
**List Creation: 06/10/25 01:26 PM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | Seal present with no number. |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 3.3 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | False | |

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

**Login Number: 26174**
**List Number: 3**
**Creator: Torrez, Lisandra**

**List Source: Eurofins Houston**
**List Creation: 06/10/25 11:40 AM**

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

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

**Login Number: 26174**
**List Number: 4**
**Creator: Simmons, Jason C**

**List Source: Eurofins Sacramento**
**List Creation: 06/10/25 11:57 AM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | Seal |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.7c |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-26174-1

**Login Number: 26174**
**List Number: 6**
**Creator: Forrest, Cheyenne L**

**List Source: Eurofins St. Louis**
**List Creation: 06/11/25 11:21 AM**

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

# ATTACHMENT 2

# FY 2025 DRY SEASON COMPLETED DATA VERIFICATION AND VALIDATION (V&V) FORMS

**Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name: Compliance Monitoring Cooperative (CMC)**
**Year: FY 2025 (June 2025 – Dry Season Sample)**
**Project Coordinator: For Data Review and Reporting – SJG, BHI**
**V&V Reviewer: SJG**
**Data covered by this worksheet: Alameda – 6/4/2025– E. coli Only Sample**
**Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)**

**Step 1: Verify Field Data**

A. Are all Field Data forms present and complete? ☐ Yes ☒ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

| Missing Field Data Forms | Action Taken |
|---|---|
| Field data was not collected for this sample | Notified AMAFCA and noted in the database. |
| _____ | _____ |

**Total number of occurrences: 1**

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station and Parameter | Action Taken | Re-verified? |
|---|---|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

**Total number of occurrences: 0**

C. Are field data on forms consistent with database? ☐ Yes ☐ No **N/A – field data was not collected**
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station | Sampling Date | Parameter(s) Corrected | Re-verified? |
|---|---|---|---|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

**Total number of occurrences: 0**

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

| Station/RID | Sampling Date | RID Corrected | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 2: Verify Data Deliverables**

A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

| RID | Submittal Date | Missing Data/Parameters | Date of Initial Verification | Date Missing Data Were Received |
|---|---|---|---|---|
| | | | | |
| | | | | |

**Total number of occurrences: 0**

**B. Do all of the analytical suites have the correct number and type of analytes.** ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

| RID | Submittal Date | Missing or Incorrect Parameters | Action Taken | Re-verified? |
|---|---|---|---|---|
| | | | | |
| | | | | |

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 3: Verify Flow Data**

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

| Station | Sampling Date | Flow data missing or incorrect? |
|---|---|---|
| | | |
| | | |

**Total number of occurrences: 0**

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

| Station | Sampling Date | Flow data missing or incorrect? | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

**Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 4: Verify Analytical Results for Missing Information or Questionable Results**

Were any results with missing/questionable information identified? ☐ Yes ☒ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

| RID | Sample Date | Missing or Questionable Information/Results | Action Taken |
|---|---|---|---|
| | | | |

**Total number of occurrences: 0**

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 5: Validate Blanks Results**
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database? * |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

**Total number of occurrences: 0**

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 6: Validate Holding Times Violations**
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database to ALL associated data?* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged.
**Total number of occurrences: 0**

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 7: Validate Replicate/Duplicate Results (if applicable)**
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID Pairs | | Replicate or Duplicate? | Sample Date | Parameter | RPD | Validation Code/Flag Applied | Code/Flag verified in database applied?* |
|---|---|---|---|---|---|---|---|
| _____ | _____ | _____ | _____ | _____ | _____ | | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | | _____ |

N/A – no duplicate/replicate results

**Total number of occurrences: 0**

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

**********

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



8/12/2025

Data Verifier/Validator Signature Date

**COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS**

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

## Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

| Validation Code | Definition | WQX Equivalent |
|---|---|---|
| A1 | Sample not collected according to SOP | |
| B1 | Chemical was detected in the field blank at a concentration less than 5% of the sample concentration. | |
| BN | Blanks NOT collected during sampling run | |
| BU | Detection in blank. Analyte was not detected in this sample above the method's sample detection limit. | BU |
| RB1 | Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes. | B |
| R1 | Rejected due to incorrect sample preservation | R |
| R2 | Rejected due to equipment failure in the field | R |
| R3 | Rejected based on best professional judgment | R |
| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
| PD1 | Percent difference between duplicate samples excessive | |
| S1 | Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit." | |
| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |

**Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name: Compliance Monitoring Cooperative (CMC)**
**Year: FY 2025 (June 2025 – Dry Season Sample)**
**Project Coordinator: For Data Review and Reporting – SJG, BHI**
**V&V Reviewer: SJG**
**Data covered by this worksheet: Rio Grande (RG) North – 6/4/2025**
**Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)**

**Step 1: Verify Field Data**

A. Are all Field Data forms present and complete? ☐ Yes ☒ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

| Missing Field Data Forms | Action Taken |
|---|---|
| DO and conductivity missing | Emailed AMAFCA who followed up with Intera – they did not obtain this field data. |
| _____ | _____ |

**Total number of occurrences: 2**

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station and Parameter | Action Taken | Re-verified? |
|---|---|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

**Total number of occurrences: 0**

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station | Sampling Date | Parameter(s) Corrected | Re-verified? |
|---|---|---|---|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

**Total number of occurrences: 0**

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

| Station/RID | Sampling Date | RID Corrected | Re-verified? |
|---|---|---|---|
| | | | |

**Total number of occurrences: 0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 2: Verify Data Deliverables**

A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

| RID | Submittal Date | Missing Data/Parameters | Date of Initial Verification | Date Missing Data Were Received |
|---|---|---|---|---|
| | | | | |

**Total number of occurrences: 0**

**B. Do all of the analytical suites have the correct number and type of analytes.** ☐ Yes ☒ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

| RID | Submittal Date | Missing or Incorrect Parameters | Action Taken | Re-verified? |
|---|---|---|---|---|
| | . | Refer to Step 4 for list and missing analytes. | | |

**Total number of occurrences: 0**

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 3: Verify Flow Data**

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

| Station | Sampling Date | Flow data missing or incorrect? |
|---|---|---|
| | | |

**Total number of occurrences: 0**

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

| Station | Sampling Date | Flow data missing or incorrect? | Re-verified? |
|---|---|---|---|
| | | | |

**Total number of occurrences: 0**

**Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 4: Verify Analytical Results for Missing Information or Questionable Results**

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

| RID | Sample Date | Missing or Questionable Information/Results | Action Taken |
|---|---|---|---|
| | | | |
| | | | |

Eurofins Job ID: 885-26070-1.

**Total number of occurrences: 0**

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 5: Validate Blanks Results**

Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database? * |
|---|---|---|---|---|---|---|
| Rio Grande North | 6/4/2025 | PCBs. The surrogate recovery for the blank associated with preparation batch 860-241078 and analytical batch 860-241050 was outside the upper control limits. | | | B | Yes |

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

**Total number of occurrences: 1**

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 6: Validate Holding Times Violations**
Were any samples submitted that did not meet specified holding times? ☒ Yes ☐ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database to ALL associated data?* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged.
*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.

**Total number of occurrences: 0**

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 7: Validate Replicate/Duplicate Results (if applicable)**
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID Pairs | | Replicate or Duplicate? | Sample Date | Parameter | RPD | Validation Code/Flag Applied | Code/Flag verified in database applied?* |
|---|---|---|---|---|---|---|---|
| Rio Grande North | Lab Duplicate | Lab Duplicate | 6/5/2025 | PFAS - Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch | | yes | I |

**Total number of occurrences: 1**

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

**********

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



8/13/2025

Data Verifier/Validator Signature Date

## COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

## Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

| Validation Code | Definition | WQX Equivalent |
|---|---|---|
| A1 | Sample not collected according to SOP | |
| B1 | Chemical was detected in the field blank at a concentration less than 5% of the sample concentration. | |
| BN | Blanks NOT collected during sampling run | |
| BU | Detection in blank. Analyte was not detected in this sample above the method's sample detection limit. | BU |
| RB1 | Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes. | B |
| R1 | Rejected due to incorrect sample preservation | R |
| R2 | Rejected due to equipment failure in the field | R |
| R3 | Rejected based on best professional judgment | R |
| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
| PD1 | Percent difference between duplicate samples excessive | |
| S1 | Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit." | |
| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |

**Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name: Compliance Monitoring Cooperative (CMC)**
**Year: FY 2025 (June 2025 – Dry Season Sample)**
**Project Coordinator: For Data Review and Reporting – SJG, BHI**
**V&V Reviewer: SJG**
**Data covered by this worksheet: Alameda – 6/5/2025– E. coli Only Sample**
**Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)**

**Step 1: Verify Field Data**

A. Are all Field Data forms present and complete ☐ Yes ☒ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

| Missing Field Data Forms | Action Taken |
|---|---|
| Field data was not collected for this sample | Notified AMAFCA and noted in the database. |
| _____ | _____ |

**Total number of occurrences: 0**

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station and Parameter | Action Taken | Re-verified? |
|---|---|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

**Total number of occurrences: 0**

C. Are field data on forms consistent with database? ☐ Yes ☐ No **N/A – field data was not collected**
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station | Sampling Date | Parameter(s) Corrected | Re-verified? |
|---|---|---|---|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

**Total number of occurrences: 0**

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

| Station/RID | Sampling Date | RID Corrected | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 2: Verify Data Deliverables**
A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

| RID | Submittal Date | Missing Data/Parameters | Date of Initial Verification | Date Missing Data Were Received |
|---|---|---|---|---|
| | | | | |
| | | | | |

**Total number of occurrences: 0**

**B. Do all of the analytical suites have the correct number and type of analytes.** ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

| RID | Submittal Date | Missing or Incorrect Parameters | Action Taken | Re-verified? |
|---|---|---|---|---|
| | | | | |
| | | | | |

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 3: Verify Flow Data**

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

| Station | Sampling Date | Flow data missing or incorrect? |
|---|---|---|
| | | |
| | | |

**Total number of occurrences: 0**

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

| Station | Sampling Date | Flow data missing or incorrect? | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

**Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 4: Verify Analytical Results for Missing Information or Questionable Results**

Were any results with missing/questionable information identified? ☐ Yes ☒No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

| RID | Sample Date | Missing or Questionable Information/Results | Action Taken |
|---|---|---|---|
| | | | |

**Total number of occurrences: 0**

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 5: Validate Blanks Results**
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database? * |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

**Total number of occurrences: 0**

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 6: Validate Holding Times Violations**
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database to ALL associated data?* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged.
**Total number of occurrences: 0**

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

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**Step 7: Validate Replicate/Duplicate Results (if applicable)**
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID Pairs | | Replicate or Duplicate? | Sample Date | Parameter | RPD | Validation Code/Flag Applied | Code/Flag verified in database applied?* |
|---|---|---|---|---|---|---|---|
| _____ | _____ | _____ | _____ | _____ | _____ | | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | | _____ |

N/A – no duplicate/replicate results

**Total number of occurrences: 0**

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/12/2025

**********

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



8/12/2025

Data Verifier/Validator Signature Date

**COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS**

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

## Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

| Validation Code | Definition | WQX Equivalent |
|---|---|---|
| A1 | Sample not collected according to SOP | |
| B1 | Chemical was detected in the field blank at a concentration less than 5% of the sample concentration. | |
| BN | Blanks NOT collected during sampling run | |
| BU | Detection in blank. Analyte was not detected in this sample above the method's sample detection limit. | BU |
| RB1 | Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes. | B |
| R1 | Rejected due to incorrect sample preservation | R |
| R2 | Rejected due to equipment failure in the field | R |
| R3 | Rejected based on best professional judgment | R |
| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
| PD1 | Percent difference between duplicate samples excessive | |
| S1 | Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit." | |
| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |

**Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name: Compliance Monitoring Cooperative (CMC)**
**Year: FY 2025 (June 2025 – Wet Season Sample)**
**Project Coordinator: For Data Review and Reporting – SJG, BHI**
**V&V Reviewer: SJG**
**Data covered by this worksheet: Rio Grande South – 6/5/2025**
**Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)**

**Step 1: Verify Field Data**

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

| Missing Field Data Forms | Action Taken |
|---|---|
| | |
| | |

**Total number of occurrences: 0**

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station and Parameter | Action Taken | Re-verified? |
|---|---|---|
| | | |
| | | |

**Total number of occurrences: 0**

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station | Sampling Date | Parameter(s) Corrected | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

| Station/RID | Sampling Date | RID Corrected | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

- - - -

**Step 3: Verify Flow Data**
*Note – Not Applicable – no flow data provided with CMC sample collection
A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

| Station | Sampling Date | Flow data missing or incorrect? |
|---|---|---|
| _____ | _____ | _____ |

**Total number of occurrences: 0**

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

| Station | Sampling Date | Flow data missing or incorrect? | Re-verified? |
|---|---|---|---|
| _____ | _____ | _____ | _____ |

**Total number of occurrences: 0** **Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 4: Verify Analytical Results for Missing Information or Questionable Results**

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

| RID | Sample Date | Missing or Questionable Information/Results | Action Taken |
|---|---|---|---|
| | | | |
| | | | |

*Note – Eurofins Job ID: 885-26174-1

**Total number of occurrences: 0**

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 5: Validate Blanks Results**
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database?* |
|---|---|---|---|---|---|---|
| Rio Grande South | 6/5/2025 | PCBs. The samples and method blank (MB) were non-detects, the LLCS/LCS/LCSD were within control limits for the affected analyte; therefore, the data have been reported | | | B | Yes, Compound was found in the blank and sample**.** |

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

**Total number of occurrences: 1**

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 6: Validate Holding Times Violations**
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database to ALL associated data?* |
|---|---|---|---|---|---|---|
| Rio Grande South | 6/5/2025 | Tetrahydrofuran | | Note from lab: Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. | H | Yes |
| Rio Grande South | 6/5/2025 | Total Dissolved Solids (TDS) | | Note from lab: Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. | H | Yes |

*See validation procedures to determine which associated data need to be flagged.

*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.
**Total number of occurrences: 2**

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

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**Step 7: Validate Replicate/Duplicate Results (if applicable)**
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID Pairs | | Replicate or Duplicate? | Sample Date | Parameter | RPD | Validation Code/Flag Applied | Code/Flag verified in database applied?* |
|---|---|---|---|---|---|---|---|
| Rio Grande South | Lab Duplicate | Lab Duplicate | 6/5/2025 | Bis (2-ethyhexyl) Phthalate | | Yes | *+, LCS and/or LCSD is outside acceptance limits, high biased. |
| Rio Grande South | Lab Duplicate | Lab Duplicate | 6/5/2025 | Dieldrin | | Yes | *+, LCS and/or LCSD is outside acceptance limits, high biased. |

**Total number of occurrences: 2**

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 8/13/2025

**********

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2

Sarah Carney 8/13/2025

Data Verifier/Validator Signature Date

**COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS**

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

## Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

| Validation Code | Definition | WQX Equivalent |
|---|---|---|
| A1 | Sample not collected according to SOP | |
| B1 | Chemical was detected in the field blank at a concentration less than 5% of the sample concentration. | |
| BN | Blanks NOT collected during sampling run | |
| BU | Detection in blank. Analyte was not detected in this sample above the method's sample detection limit. | BU |
| RB1 | Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes. | B |
| R1 | Rejected due to incorrect sample preservation | R |
| R2 | Rejected due to equipment failure in the field | R |
| R3 | Rejected based on best professional judgment | R |
| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
| PD1 | Percent difference between duplicate samples excessive | |
| S1 | Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit." | |
| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |

Bohannan Huston
great people supporting great communities

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# MEMORANDUM

**DATE:** 4/10/2025

**TO** Patrick Chavez, AMAFCA

**FROM:** Sarah Ganley, PE, ENV-SP
Savannah Maynard

**SUBJECT:** **CMC Wet Season, Wet Weather Stormwater Monitoring**
**Data Verification, Analysis Results Database, and Reporting Memo**
**FY 2025 Wet Season (July 1, 2024 to October 31, 2024)**

## NOTIFICATION OF IN-STREAM WATER QUALITY EXCEEDANCES

For downstream notification purposes, the following parameters for in-stream samples taken from the Rio Grande in July 2024 for the fiscal year (FY) 2025 wet season had results that exceeded applicable water quality standards (WQSs) for one (1) sample of E. coli and two (2) samples of polychlorinated biphenyls (PCBs). Table 1 summarizes the samples and the applicable WQSs that were exceeded. Additional details on the sample results shown in Table 1 are provided in this memo.

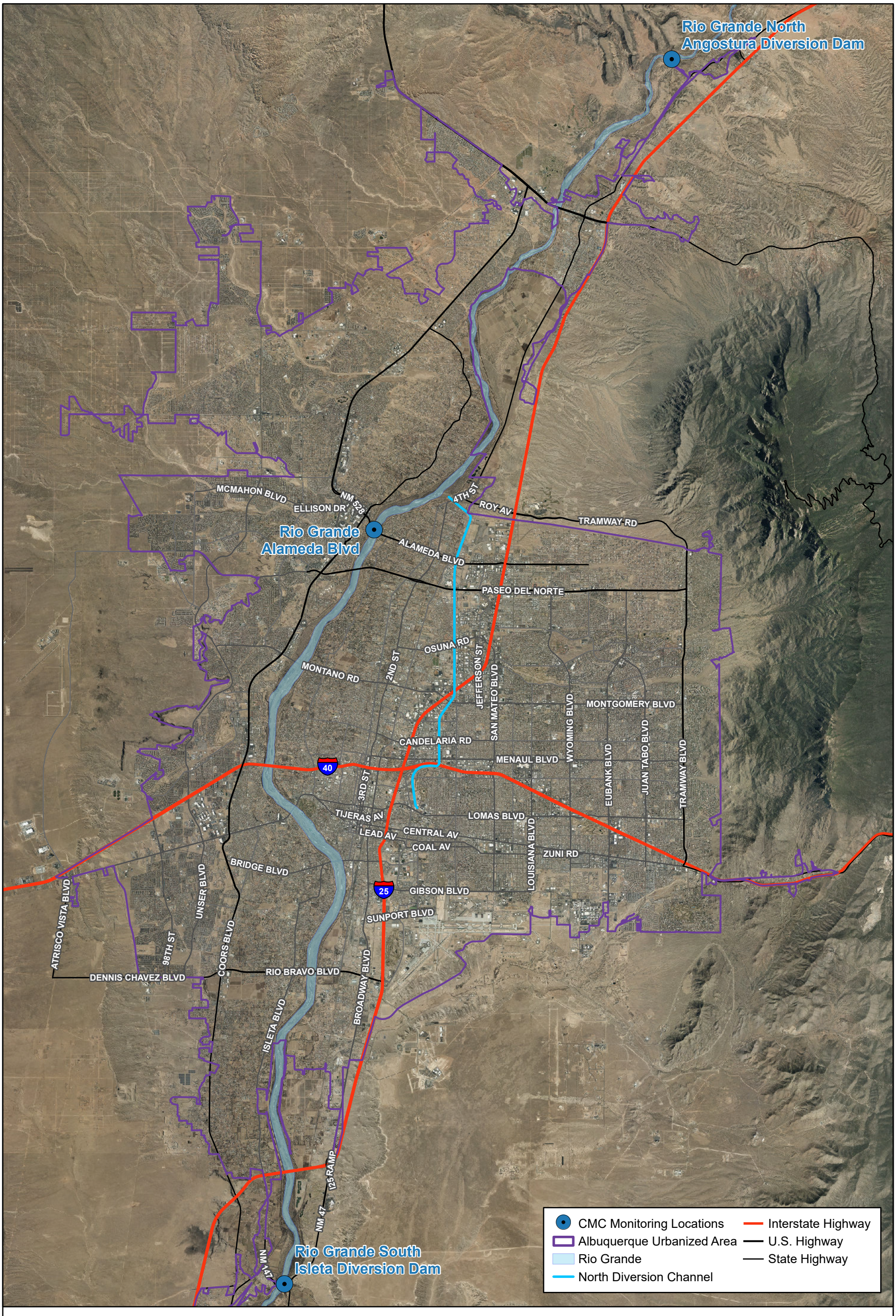
**Table 1: Parameters Detected Above Applicable Water Quality Standards**
**CMC FY 2025 Wet Season Monitoring**

| Sampling Date Location | Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS | |
|---|---|---|
| | **E. coli** | **PCBs** |
| | **WQS: 88 MPN (CFU/100 mL)**<br>Pueblo of Isleta Primary Contact Ceremonial & Recreational | **WQS: 0.00017 ug/L**<br>Pueblo of Isleta Human Health Criteria (based on fish consumption only) |
| 7/17/2024 Rio Grande North Angostura | No Exceedance | Exceeded 0.0008419 ug/L |
| 7/17/2024 Rio Grande at Alameda | No Exceedance | Not Tested |
| 7/19/2024 Rio Grande South Isleta Dam | Exceeded 228 MPN (CFU/100 mL) | Exceeded 0.0001843 ug/L |

## OVERVIEW OF STORMWATER MONITORING ACTIVITY

Bohannan Huston, Inc. (BHI) has been tasked to perform water quality services for the Compliance Monitoring Cooperative (CMC) Stormwater Data Verification, Database, and Reporting for the Wet Season, Wet Weather Stormwater Quality Monitoring Program for FY 2025 (July 1, 2024 to October 31, 2024). The scope of work for this task includes data verification of the stormwater laboratory analysis results, compiling the analysis results into a database, and calculating the E. coli loading to compare with the Waste Load Allocation (WLA) for qualifying storm events. The stormwater compliance monitoring was conducted separately by Daniel B. Stephens & Associates, Inc. (DBS&A) and is not a part of this BHI task. This task is being conducted to assist the CMC members with their comprehensive monitoring and assessment program for compliance under the 2014 Middle Rio Grande (MRG) Watershed Based (WSB) Municipal Separate Storm Sewer System (MS4) Permit, NPDES Permit No. NMR04A000 ("WSB MS4 Permit").

The WSB MS4 Permit entered Administrative Continuance in December 2019, when U.S. Environmental Protection Agency (EPA) Region 6 did not issue a new MS4 Permit before the WSB MS4 Permit expiration date. The MRG Technical Advisory Group (TAG) sent EPA a letter, dated October 15, 2019, acknowledging Administrative Continuance after the expiration date of the 5-year WSB MS4 Permit term. Until a new WSB MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required sampling of a minimum of seven (7) storm events at both the Rio Grande North and Rio Grande South locations (refer to Figure 1, page 3). All WSB MS4 Permit required samples have been obtained by the CMC, as well as two (2) samples obtained in FY 2021, one (1) sample obtained during the FY 2022 wet season, one (1) sample obtained during the FY 2023 wet season, two (2) samples obtained in FY 2024, and one (1) sample obtained during the FY 2025 wet season during Administrative Continuance; all 14 CMC samples are summarized in Table 2 below.




AMAFCA

Bohannan Huston
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800.877.5332

N

0 6,250 12,500 25,000 Feet

1 inch = 12,500 feet

# CMC Monitoring

***Figure 1***
***Monitoring Locations***

P:\20240355\GIS\Projects\20240355_CMCMonitoring_Figures\20240355_CMCMonitoring_Figures.aprx
Author: mcrooks

**April 2025**

**Table 2: CMC Sample Summary**
**Compared to WSB MS4 Permit Requirements**

| Storm Events Required by WSB MS4 Permit | CMC-WSB MS4 Permit Required Samples per Season | FY (Date) Samples Obtained for CMC |
|---|---|---|
| 1 | #1 Wet Season | FY 2017 (8/10/2016) |
| 2 | #2 Wet Season | FY 2017 (9/12/2016) |
| 3 | #3 Wet Season | FY 2017 (9/21/2016) |
| 4 | #1 Dry Season | FY 2017 (11/21/2016) |
| 5 | #2 Dry Season | FY 2019 (3/13/2019) |
| 6 | Any Season | FY 2018 (Wet Season - 7/27/2017) |
| 7 | Any Season | FY 2018 (Wet Season - 9/27/2017) |
| Not Required | Wet Season | FY 2021 (10/28/2020) |
| Not Required | Dry Season | FY 2021 (4/28/2021) |
| Not Required | Wet Season | FY 2022 (9/1/2021) |
| Not Required | Wet Season | FY 2023 (10/5/2022) |
| Not Required | Dry Season | FY 2024 (12/14/2023) |
| Not Required | Dry Season | FY 2024 (6/26/2024) |
| Not Required | Wet Season | FY 2025 (7/19/2024) |

During the WSB MS4 Permit Administrative Continuance, the CMC members have chosen to continue sampling within the Rio Grande to support their MS4 program needs and gather additional data in support of the future WSB MS4 Permit compliance. This memo reports on the wet weather stormwater monitoring activity for the FY 2025 wet season (July 1, 2024 to October 31, 2024).

The CMC Excel database was updated with the FY 2025 wet season monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required Minimum Qualification Levels (MQLs) and results.

## SUMMARY OF THE CMC SAMPLING PLAN

### Sampling Parameters:

The samples from the Rio Grande North and Rio Grande South monitoring locations were analyzed for the parameters defined in the EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016. The parameter list for both locations, which is intended to characterize stormwater discharges into the river, is as follows:

Total Suspended Solids (TSS)
Total Dissolved Solids (TDS)
Chemical Oxygen Demand (COD)
Biological Oxygen Demand – 5-day ($BOD_5$)
Dissolved Oxygen (DO)
Oil & grease (N-Hexane Extractable Material)
E. coli
pH
Total Kjeldahl Nitrogen (TKN)
Nitrate plus Nitrite
Dissolved Phosphorus
Ammonia as Nitrogen
Nitrogen (Total Nitrogen)
Phosphorous (Total Phosphorous)
Polychlorinated Biphenyls (PCBs - Method 1668A)
Gross Alpha, adjusted
Tetrahydrofuran
Benzo(a)pyrene
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)
Benzo(k)fluoranthene
Chrysene
lndeno (1 ,2,3-cd) Pyrene
Dieldrin
Pentachlorophenol
Benzidine
Benzo(a)anthracene
Dibenzofuran
Dibenzo(a, h)anthracene
Chromium VI (Hexavalent)
Dissolved Copper
Dissolved Lead
Bis (2-ethylhexyl) phthalate
Conductivity
Temperature
Hardness (as $CaCO_3$)
Per-and polyfluoroalkyl substances, known as PFAS

Hardness (as $CaCO_3$) was added to the parameter list to allow dissolved metal results to be compared to the applicable WQSs. Per the WSB MS4 Permit, DO, pH, conductivity, and temperature are required to be analyzed in the field within 15 minutes of sample collection, which was conducted by DBS&A. All E. coli samples were submitted to the laboratory within 8 hours of collection in order to meet the specified hold time. Testing for PFAS was added to the parameter list by the CMC in 2024, and the July 2024 Rio Grande North and South samples included PFAS testing.

## Sampling Locations:

The sampling locations are shown in Figure 1, page 3.

Rio Grande North – In-stream sampling within the Rio Grande was performed upstream of the Angostura Diversion Dam at the north end of the watershed. The location is upstream of all inputs from the Urbanized Area (UA) to the river and provides the background water conditions.

Rio Grande South – In-stream sampling within the Rio Grande was performed at the Isleta Bridge at the south end of the watershed. The location is downstream of all inputs from the UA to the river and provides the downstream water conditions. These locations have been accepted by EPA and the New Mexico Environment Department (NMED) to meet the WSB MS4 Permit requirements in Part III.A.

During this FY 2025 wet season, one (1) E. coli sample was collected within the Rio Grande at Alameda Blvd. This is the location of the NMED defined stream segment divide (refer to Figure 6). This sample point was added after discussion with NMED regarding potential refinements to E. coli loading calculations in February 2017.

## Sample Collection:

As mentioned previously, sample collection for the CMC was conducted by DBS&A (through a separate on-call contract). Since BHI was not involved in the sample collection, this task and memo do not address the details of the methodologies regarding sampling, determining if an event was a qualifying storm event, or determining the timing of the hydrograph at the Rio Grande Alameda and Rio Grande South locations.

DBS&A provided their field notes and field sample data (temperature, DO, specific conductivity, and pH) to BHI for the FY 2025 wet season sampling. AMAFCA provided BHI the completed laboratory analysis reports from Eurofins Environment Testing for this monitoring season.

## Quality Assurance Project Plan (QAPP):

AMAFCA provided BHI with the *Draft Quality Assurance Project Plan* [QAPP] for the CMC, dated June 14, 2016. DBS&A followed this QAPP during sample collection for the July 2024 samples. BHI used this QAPP and the included standard operating procedures (SOPs) for data verification and validation.

## MONITORING ACTIVITY & LAB ANALYSIS SUMMARY

The list below provides a summary of the CMC comprehensive monitoring program activities completed for the FY 2025 wet season from July 2024 through October 2024. One (1) qualifying storm event was sampled and analyzed during the FY 2025 wet season.

- **July 17 - 19, 2024 – Qualifying Storm Event.** Samples were collected July 17, 2024, at the Rio Grande North and Alameda Blvd. locations beginning at 12:30 p.m. and 2:00 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning July 17, 2024 was a qualifying storm event. A Rio Grande South Sample was collected at 11:45 a.m. on July 19, 2024. The samples from the Rio Grande North (collected July 17) and Rio Grande South (collected July 19) were taken to Eurofins Environment Testing for full parameter testing.

## STORMWATER QUALITY DATABASE FOR CMC

As stated previously, there was one (1) qualifying storm event during the FY 2025 wet season, wet weather monitoring sampled by the CMC, which occurred July 17, 2024 through July 19, 2024. DBS&A's field notes containing DO, pH, conductivity, and temperature measurements, as well as sampling comments have been received, and field results have been added to the database. Additionally, the Eurofins Environment Testing reports for the corresponding time period have been received, added to the database, and are provided with this memo (Attachment 1). The laboratory reports attached to this memo have BHI added comments, including the field parameter measurements and other relevant notes related to the laboratory reports.

### Database Data Entry:

The CMC Excel database was updated with the FY 2025 wet season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required MQLs, and analysis results. The database was updated under this task to include the Rio Grande at Alameda sample location. Applicable surface WQSs found in New Mexico Administrative Code (NMAC) 20.6.4, as well as the Pueblo of Isleta WQSs, are entered in the Excel database for comparison purposes with testing results. There is an indicator in the database to show if the monitoring results exceed the applicable surface WQS. An exceedance is not a violation of the WSB MS4 Permit, as the Permit does not have numeric discharge limitations. These ">WQ Standard" flags simply and quickly show the CMC members where the results of the lab data exceed the applicable WQS.

Water quality data was entered into the database upon receipt of the lab reports. All data entered into the database is initially denoted with a "P" to indicate that it is provisional and has not been through the verification and validation process yet. Full parameter analyses of the qualifying storm event for the Rio Grande South location was entered into the database. The E. coli only sample from the Rio Grande Alameda location was also entered into the database.

## Data Verification and Validation:

The Eurofins Environment Testing analysis reports were provided to BHI by AMAFCA. The lab reports also contain the Chain of Custody for the submitted samples. Field data was requested by and provided to BHI by DBS&A. Data verification and validation (V&V) was conducted by BHI on all field notes, lab reports, and Chain of Custody documents in accordance with the CMC WQS SOP #2, which is part of the existing draft QAPP (June 14, 2016). These procedures are based on *EPA Guidance for Environmental Data Verification and Validation* (EPA, 2008).

As stated in the QAPP, the V&V process was completed by a different person than the one who entered the data into the database. The V&V process included use of the *Data Verification and Validation Worksheet* (provided in the QAPP). For this task, field data was verified first, confirming all field notes were complete. BHI handled field parameter questions directly with DBS&A. Chemical data verification began as soon as the lab reports were received, checking that all parameters were tested and looking for any obvious exceedances of WQSs. Other steps listed on the *Data Verification and Validation Worksheet* were completed after all data from the laboratory was received and entered into the database. Sample blank results were reviewed to identify potential contamination during field processing or transport. Replica/duplicate samples were evaluated based on relative percent difference (as described in more detail in the QAPP) to determine the variability of the samples.

All CMC FY 2025 wet season data met the appropriate QAPP requirements for the July 17, 2024 E.coli samples. For the full parameter testing, the Rio Grande South and Rio Grande North samples, the lab report did not provide results for Gross Alpha, Adjusted. Data that did not meet the appropriate QAPP requirements was assigned an appropriate laboratory qualifier or validation code. A summary of validation codes is provided in the QAPP as well as in the lab reports in Attachment 1.

Once the V&V process was completed, the worksheets were signed. Copies of the V&V worksheets are provided with this memo (Attachment 2). In the database, data that was checked during the V&V process was then changed from being denoted with a “P” for provisional to a “V” for verified, and laboratory qualifiers were added, as needed.

## CMC FY 2025 WET SEASON ASSESSMENT AND EVALUATION OF MONITORING RESULTS

The EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016, has 33 parameters to monitor at the Rio Grande North and Rio Grande South monitoring locations. This does not include PFAS, which is a new parameter the CMC chose to add. Of these 33 parameters, 16 parameters were not detected in the FY 2025 wet season samples at either the Rio Grande North or South locations. Refer to Table 3 for a list of the parameters that were not detected.

**Table 3: Parameters Not Detected**
**CMC FY 2025 Wet Season Monitoring**

| **Parameters Not Detected** | |
|---|---|
| Oil and Grease (N-Hexane Extractable Material) | Dieldrin |
| Ammonia | Pentachlorophenol |
| Tetrahydrofuran | Benzidine |
| Benzo(a)pyrene | Benzo(a)anthracene |
| Benzo(b)fluoranthene (3, 4 Benzofluoranthene) | Dibenzofuran |
| Benzo(k)fluoranthene | Dibenzo(a,h)anthracene |
| Chrysene | Chromium VI (Hexavalent) |
| Indeno (1,2,3-cd) Pyrene | Bis (2-ethyhexyl) Phthalate<br>(other names: Di(2-ethylhexly)phthalate, DEHP) |

For the remaining parameters on the CMC monitoring parameter list, two (2) parameters (E. coli, PCBs) had exceedances of the applicable surface WQS found in NMAC 20.6.4 and the Pueblo of Isleta WQS during the FY 2025 wet season. All exceedances are discussed below in further detail.

### E. coli:

The E. coli results collected during the FY 2025 wet season are summarized in Table 4.

**Table 4: E. coli Results**
**CMC FY 2025 Wet Season Monitoring**

| **Date – Rio Grande Location** | **E. coli Results MPN (CFU/100 mL)** |
|---|---|
| **July 17, 2024 –** Rio Grande North Angostura | 36.4 |
| **July 17, 2024 –** Rio Grande at Alameda | 45.9 |
| **July 19, 2024 –** Rio Grande South, Isleta Dam | 288.2 |

At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), one (1) sample was collected and tested for E. coli. The lab results for the July 17, 2024 sample showed that the sample had an acceptable E. coli concentration, below the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL).

At the Rio Grande South location (downstream of the MS4 UA), one (1) sample was collected and tested for E. coli. The July 19, 2024 sample exceeded the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) but was below the primary contact-single sample NMAC WQS (410 CFU/100 mL).

In addition, the CMC collected one (1) E. coli sample in the Rio Grande at Alameda Blvd. during the FY 2025 wet season. The Alameda Blvd. analysis point was based on discussions with NMED in February 2017 on collecting actual E. coli data at the stream segment divide verses using an area percentage (as defined in the Total Maximum Daily Load (TMDL)) for E. coli loading calculations. The lab results showed that the July 17, 2024 sample had an acceptable E. coli concentration below the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL) and the primary contact-single sample NMAC WQS (410 CFU/100 mL).

As a reminder, in January 2017 the CMC members clarified with NMED that the units MPN/100 mL and CFU/100 mL are considered to be interchangeable for the purposes of this stormwater quality monitoring reporting. ("MPN" means Most Probable Number and "CFU" means colony-forming units) The New Mexico and Pueblo of Isleta WQSs for E. coli are currently in units of CFU/100 mL, while the lab reports are typically in units of MPN/100mL. The graph presented in this section uses units of CFU/100 mL to be consistent with the WQS units. Refer to Figure 2 for a graphical representation of E. coli results from July 2024.

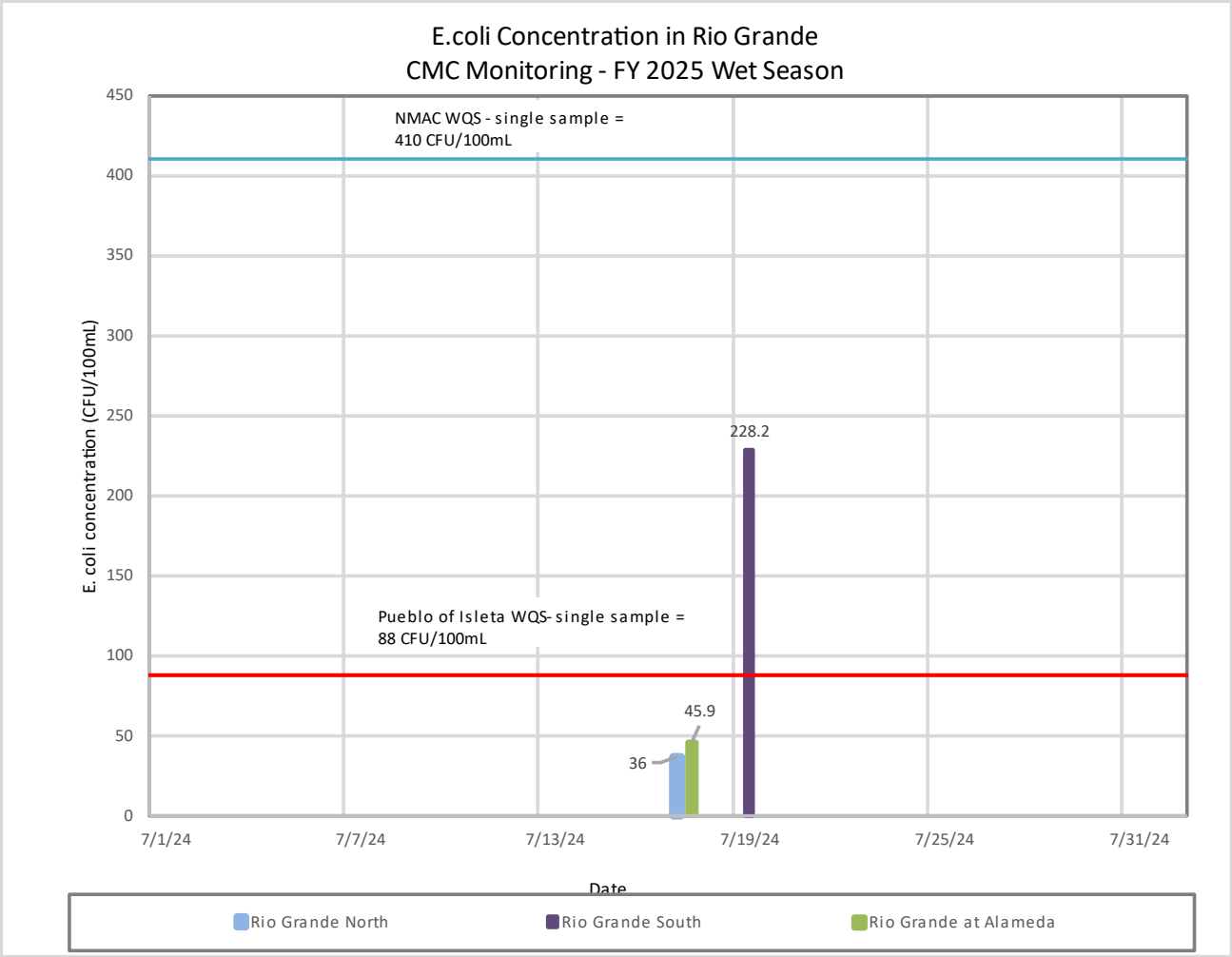



**Figure 2: E. coli Monitoring Results in Rio Grande**
**CMC Monitoring – FY 2025 Wet Season**

## PCBs:

There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2025 wet season stormwater events were below the MQL established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). PCBs were detected in the both the Rio Grande North and Rio Grande South July 2024 samples. The Rio Grande North location was above both the Pueblo of Isleta human health (HH) WQS based on fish consumption only and the NMAC HH WQS based on fish consumption only. The Rio Grande South location was above the Pueblo of Isleta HH WQS for surface waters but below the NMAC WQS human health-organism only criterion (HH-OO) WQS.
The HH-OO WQS is based upon human consumption of fish and other aquatic life that bioaccumulate contaminants over time. The PCB results from 2016 through 2025 are shown in Figure 3, relative to several of the WQSs for PCBs.

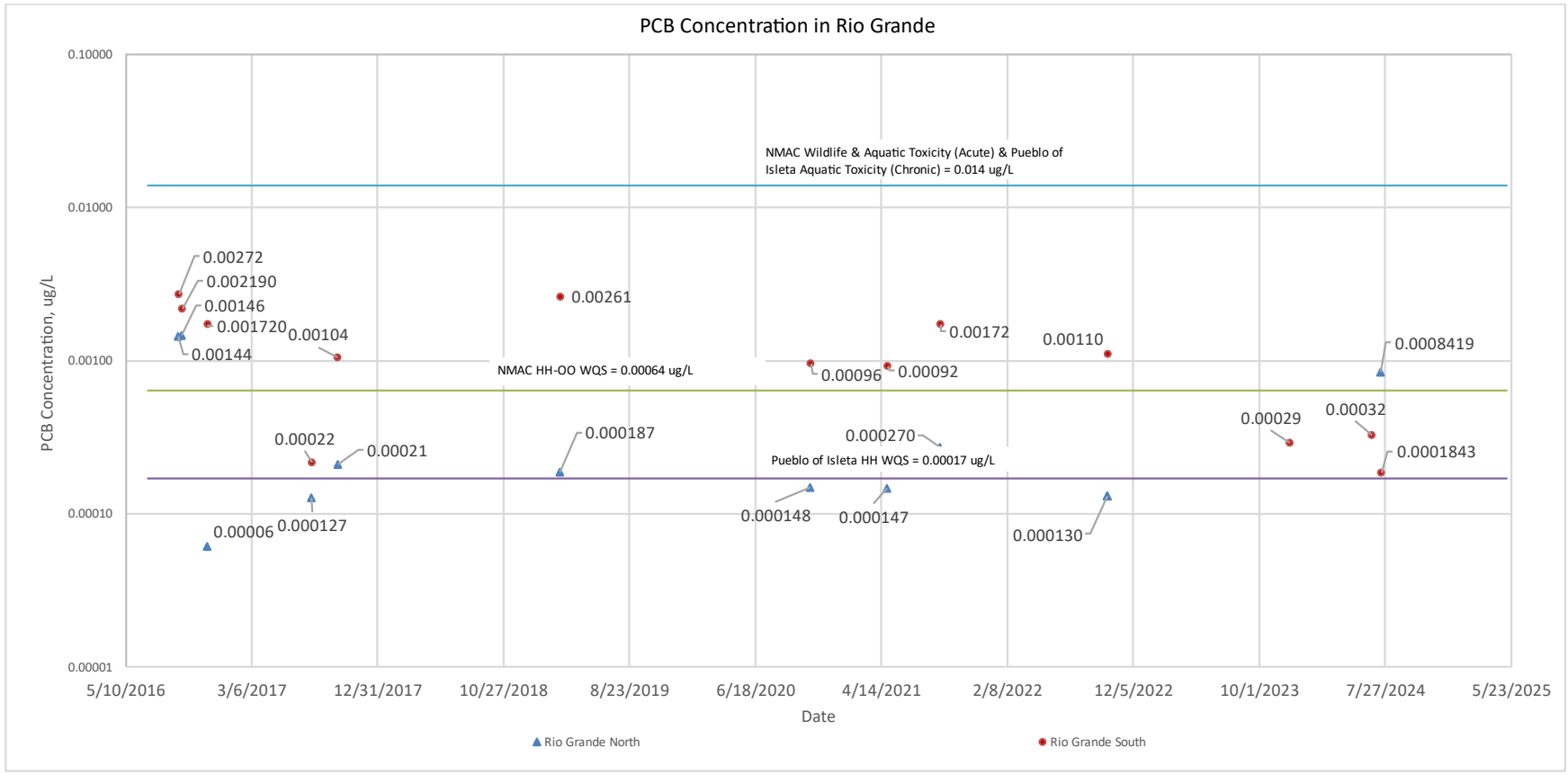



**Figure 3: PCB Monitoring Results in Rio Grande**
**CMC Monitoring – 2016 - 2025**

## Gross Alpha, Adjusted:

The July 2024 samples did not exceed the New Mexico and Pueblo of Isleta WQSs for gross alpha. For the Rio Grande South and Rio Grande North samples, the lab reports did not provide results for gross alpha, adjusted. Typically, gross alpha, adjusted, is lower than the gross alpha value so there is no concern with the values provided and reported. The WQS for gross alpha, adjusted is the same value for both the NMAC 20.6.4 Water Quality Criterion and Pueblo of Isleta. The WQS of 15 pCi/L ("pCi/L" means picocuries per liter) is a general standard for the Pueblo of Isleta; for New Mexico it is based on Domestic Water Supply and Livestock Watering designated uses.

The last exceedance for gross alpha, adjusted for CMC sampling was reported for the October 6, 2022, Rio Grande South sample. The CMC will continue to closely evaluate this parameter in future samples. If additional exceedances occur, the CMC will discuss the results further and may consult NMED for further guidance.

## Dissolved Oxygen (DO) and Temperature:

Two (2) of the water quality parameters are specifically worth mentioning in this memo because they are listed in the WSB MS4 Permit, Part I.C.1 – Special Conditions: dissolved oxygen (DO) and temperature. The DO and temperature parameters did not have any surface water quality exceedances during the FY 2025 wet season sampling.

DO is a water quality concern in the Rio Grande if it is below 5 mg/L. The samples taken during the FY 2024 dry season on June 26, 2024 at Rio Grande North and Rio Grande at Alameda had DO values below 5 mg/L. These values were not reported as exceedances because the reported field values were taken from a fifth composite sample when the previous four (4) other samples were above 5 mg/L. From the CMC Sampling data sheet of both the Rio Grande North and the Rio Grande at Alameda, the temperature of the sample increases within the hour of composite testing due to ambient air temperature, and the DO decreases due to the inverse relationship between the two parameters. The DO reported lower than 5 mg/L was not due to the stormwater runoff that occurred but due to the sampling protocol, which impacted the reported DO.

This provides the MS4s with specific monitoring data showing that stormwater did not cause or contribute to exceedances of applicable DO WQSs in the Rio Grande from any of the CMC samples from FY 2016 to FY 2025. Refer to Figure 4 for CMC DO results and comparison to applicable WQSs.

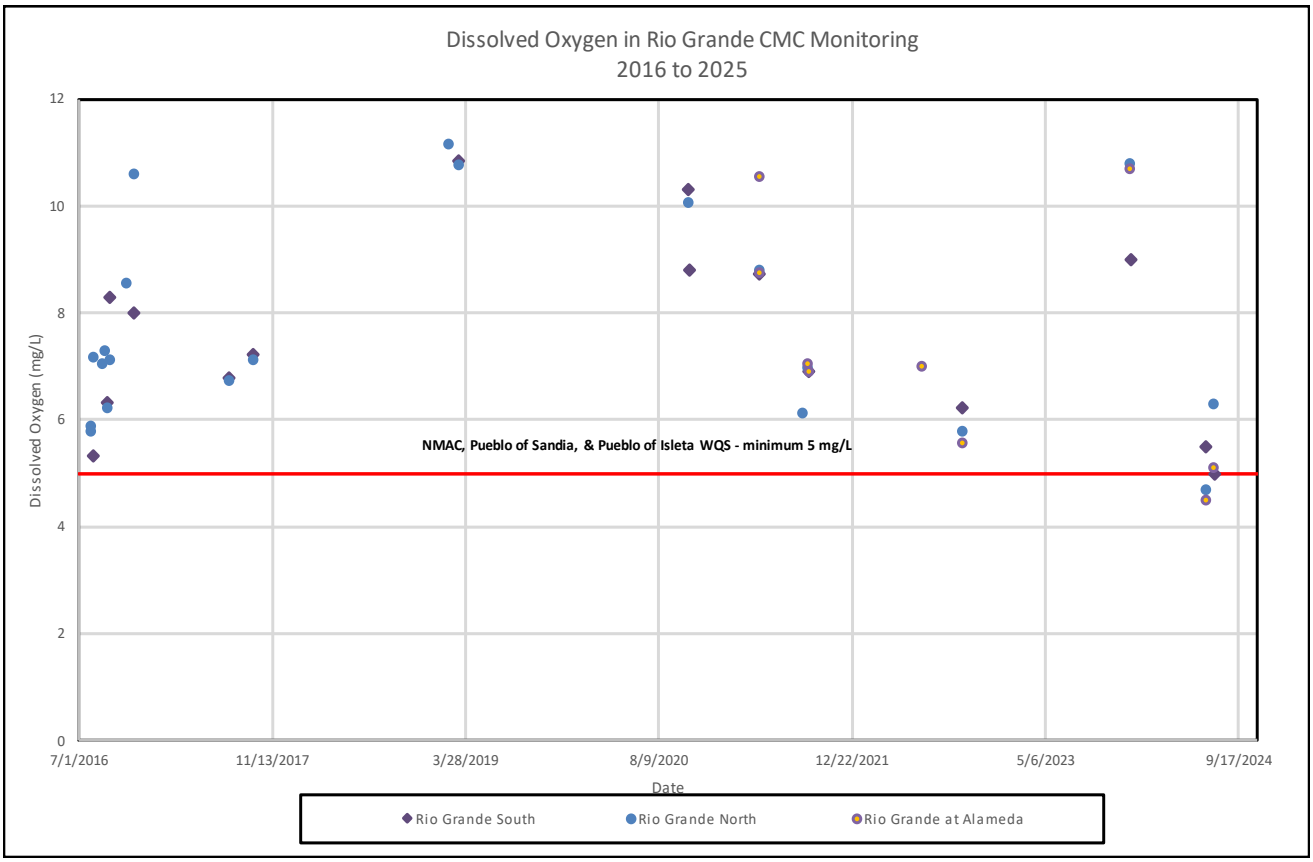



**Figure 4: Dissolved Oxygen (DO) Monitoring Results in the Rio Grande CMC Monitoring – FY 2016 – FY 2025**

Temperature is listed in the WSB MS4 Permit as a special condition (currently only applicable to the City of Albuquerque and AMAFCA). Past data submitted to EPA and NMED by the MS4 permittees have proven that stormwater discharges into the Rio Grande are not raising the Rio Grande temperature above the WQSs. The data collected during this FY 2025 wet season monitoring also supports this conclusion. All the temperature field readings taken from the Rio Grande during the CMC FY 2025 wet season were below 32.2°C (90°F), which is the WQS for the State of New Mexico and for the Isleta and Sandia Pueblos. Refer to Figure 5 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from FY 2016 to FY 2025.

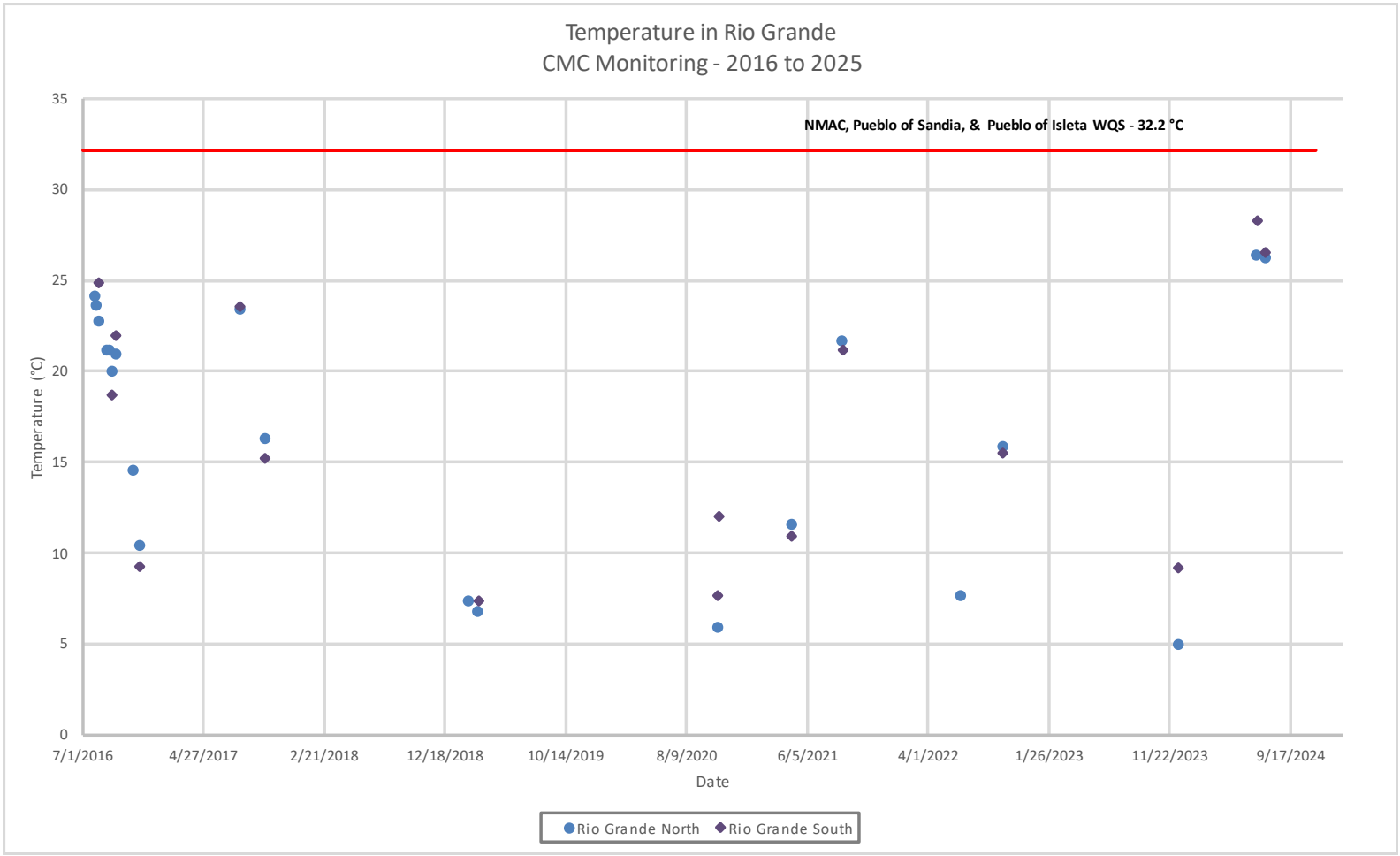



**Figure 5: Temperature Monitoring Results in the Rio Grande**
**CMC Monitoring – FY 2016 – FY 2025**

## CMC FY 2025 WET SEASON E. COLI LOADING CALCULATIONS AND WASTE LOAD ALLOCATION (WLA)

Related to assessing the stormwater results, the E. coli loading was calculated and compared to the aggregate TMDL WLA for the CMC group. A TMDL is the maximum amount of a pollutant (E. coli in this case) that a water body (Rio Grande) can assimilate on a daily basis without violating applicable surface WQSs. The total TMDL for a stream segment consists of the multiple WLAs for point sources, non-point sources, and natural sources, plus a margin of safety. The CMC MS4 allotted WLA was determined in the EPA Approved, *Total Maximum Daily Load for the Middle Rio Grande Watershed*, June 30, 2010, and subsequent communications with NMED. The WLA varies by flow condition in the Rio Grande and by stream segment.

E. coli loading calculations and comparison to the WLA follows the WSB MS4 Permit requirements in *Discharges to Water Quality Impaired Water Bodies with an Approved TMDL*, *Part I.C.2.b.(i).(c).B*, *Appendix B-Total Maximum Daily Loads* (TMDLs) Tables of the WSB MS4 Permit, and the NMED guidance provided to the CMC. Attached to this memo is the WLA Calculation spreadsheet, which steps through the E. coli loading calculations and assumptions comparing the calculated E. coli loading to the CMC aggregate WLA defined by NMED.

There are two (2) stream segments defined in the WSB MS4 Permit (Appendix B): Isleta Pueblo Boundary to Alameda Street Bridge (Stream Segment 2105_50) and Non-Pueblo Alameda Bridge to Angostura Diversion (Stream Segment 2105.1_00). These stream segments differ from NMED's current stream segments defined in the *2022-2024 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, April 2022) and *Draft 2024-2026 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report* (NMED, December 2023). NMED currently has four (4) stream segments instead of the two (2) WSB MS4 stream segments. These various stream segment designations are shown in Figure 6, page 17.

The *NMED 303(d)/305(b) 2022-2024* and *Draft 2024-2026 Integrated Report* tables show the most recent assessment results, and currently all segments of the Rio Grande (Isleta to Angostura Diversion) are impaired for E. coli and have a TMDL for E. coli.

The E. coli daily loading associated with the CMC group and comparison to the NMED WLA was completed for the one (1) qualifying wet season storm event – July 17-19, 2024. For this event, the CMC obtained an E. coli sample in the Rio Grande at Alameda and used this to calculate the E. coli loading for the two (2) river segments. Refer to Table 5 on page 18 for a summary of the WLA comparison results. A spreadsheet that provides the detailed WLA calculations is attached to this memo.

Rio Grande Segment
Hwy 550 Bridge to Angostura Diversion
NM-2105.1_02

| Impairments CWA 303(d) List* | TDML |
|---|---|
| E. coli | E. coli |

MS4 Permit Stream Segment
Alameda Bridge to
Angostura Diversion
2105.1_00

Rio Grande Segment
Alameda Bridge to Hwy 550 Bridge
NM-2105.1_00

| Impairments CWA 303(d) List* | TDML |
|---|---|
| Gross alpha, adjusted | E. coli |
| PCBs - Fish Consumption Advisory | |
| Mercury - Fish consumption Advisory | |
| PCBs | |
| E. coli | |

Rio Grande Segment
Tijeras Arroyo to Alameda Bridge
NM-2105_51

| Impairments CWA 303(d) List* | TDML |
|---|---|
| Dissolved Oxygen | E. coli |
| PCBs - Fish Consumption Advisory | |
| Mercury - Fish Consumption Advisory | |
| Temperature | |
| E. coli | |

MS4 Permit
Stream Segment
Isleta Pueblo
Boundary
to Alameda St.
Bridge
2105_50

Rio Grande Segment
Isleta Pueblo Boundary to Tijeras Arroyo
NM-2105_50

| Impairments CWA 303(d) List* | TDML |
|---|---|
| Dissolved Oxygen | E. coli |
| PCBs - Fish Consumption Advisory | |
| Mercury - Fish Consumption Advisory | |
| E. coli | |

MCMAHON BLVD
ELLISON DR
NM 528
4TH ST
ROY AV
ALAMEDA BLVD
PASEO DEL NORTE
Rio Grande
OSUNA RD
MONTANO RD
2ND ST
JEFFERSON ST
SAN MATEO BLVD
WYOMING BLVD
MONTGOMERY BLVD
TRAMWAY BLVD
CANDELARIA RD
MENAUL BLVD
EUBANK BLVD
JUAN TABO BLVD
3RD ST
LOMAS BLVD
LEAD AV
COAL AV
ZUNI RD
LOUISIANA BLVD
CENTRAL AV
98TH ST
UNSER BLVD
COORS BLVD
BRIDGE BLVD
GIBSON BLVD
ATRISCO VISTA BLVD
DENNIS CHAVEZ BLVD
RIO BRAVO BLVD
BROADWAY BLVD
Tijeras Arroyo
ISLETA BLVD
I25 RAMP
NM 47
NM 147
25
40
550

MS4 Permit Stream Segments
NMED Stream Segments
North Diversion Channel
Albuquerque Urbanized Area
Rio Grande
Interstate Highway
U.S. Highway
State Highway

AMAFCA
Bohannan Huston
www.bhinc.com
800.877.5332

N

0 12,500 25,000 Feet

1 in = 12,500 ft

# CMC Monitoring

***Figure 6***
***Rio Grande Impairments & TMDL Information***

* 2024-2026 State of NM Clean Water Act, Section 303(d)/Section 305(b) Integrated Reports

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Author: mcrooks

April 2025

**Table 5: Summary of CMC E. Coli Loading Compared to WLA**

| Date / Stream Segment | Daily Mean Flow (cfs) | Flow Conditions (cfs) *range defined by NMED* | CMC Daily E. coli Loading (CFU/day) | NMED WLA for CMC for Stream Segment and Flow Conditions | Loading Compared to WLA Potential Exceedance or Acceptable |
|---|---|---|---|---|---|
| **July 17-19, 2024 –**<br>Rio Grande North E. coli Concentration 7/17/2024 = 36.4 MPN (CFU/100 mL)<br>Rio Grande at Alameda E. coli Concentration 7/17/2024 = 45.9 MPN (CFU/100 mL)<br>Rio Grande South E. coli Concentration 7/19/2024 = 228.2 MPN (CFU/100 mL) | | | | | |
| Alameda to Angostura | 219 | Low | 3.06E+09 | 1.68E+10 | WLA Acceptable |
| Isleta to Alameda | 136 | Low | 9.31E+09 | 3.42E+09 | WLA Potential Exceedance |

As Table 5 illustrates, the calculated E. coli loading for the July 17-19, 2024 storm event, for the northern segment (Alameda to Angostura) was an acceptable WLA for the CMC MS4s. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.

The WSB MS4 Permit implies that the WLA is a measurable goal for the MS4s related to E. coli. Based on extensive review of the EPA Approved, *Total Maximum Daily Load (TMDL) for the Middle Rio Grande Watershed [TMDL Report]*, June 30, 2010, this seems to be an unattainable goal for MS4s.

Page 40 of the 2010 *TMDL Report* states, "It is important to remember that the TMDL is a planning tool to be used to achieve water quality standards…Meeting the calculated TMDL may be a difficult objective." The TMDL/WLA was calculated by NMED to meet the Pueblos of Sandia and Isleta geometric mean maximum of 47 CFU/100 mL, which was done to be "protective of downstream waters" and "to provide an implicit margin of safety (MOS)". A single grab sample E. coli result meeting this very low geometric means WQSs will be very difficult for the MS4s to obtain.

The CMC members discussed the difficulty of using the WLA as a measurable goal with NMED on February 1, 2017. NMED explained that exceeding the WLA does not trigger enforcement. However, NMED strongly encouraged the MS4s to document what they are doing once they realize the WLA is potentially exceeded. The meeting on February 1, 2017, and the CMC discussion with NMED on February 16, 2017, demonstrate CMC members are working toward understanding the WLA. In addition, the CMC members began implementing a refinement to the sampling plan discussed with NMED by obtaining an E. coli sample in the Rio Grande at Alameda effective the FY 2018 wet season, as feasible. This demonstrates that the CMC is continuing to investigate the potential exceedances and make improvements to monitor E. coli in the Rio Grande.

## DATA ENTRY FOR DISCHARGE MONITORING REPORTS

The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the WSB MS4 CMC Monitoring Plan, the WSB MS4 Permit required a minimum of seven (7) storm events be sampled at both the Rio Grande North and Rio Grande South locations. All MS4 Permit required samples have been obtained by the CMC and verified stormwater quality data from these required events have been submitted to the EPA using electronic Discharge Monitoring Report (DMR) forms. Data from the DMRs are uploaded to a comprehensive nationwide database that contains discharge data for facilities and other point sources that discharge directly to receiving streams. For this task, BHI has not completed any data entry related to the EPA DMRs for the FY 2025 wet season.

## CONCLUSIONS AND PLANNING

During the FY 2025 wet season (July 1, 2024 to October 31, 2024), one (1) qualifying stormwater sample was obtained by the CMC. Lab results were received, and this data has been entered into the CMC Excel database. The lab data entered is marked in the spreadsheet as "V" (verified), and data V&V has been completed (refer to Attachment 2).

To summarize, monitoring results and E. coli loading calculations for the FY 2025 wet season show that:

- The WSB MS4 Permit entered Administrative Continuance in December 2019, when EPA Region 6 did not issue a new MS4 Permit before the MS4 Permit's expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. All MS4 Permit required samples have been obtained by the CMC, as well several samples collected during Administrative Continuance, including the one (1) sample obtained in the FY 2025 wet season, as reported in this memo.
- For the FY 2025 wet season, 16 parameters were not detected in the samples at either the Rio Grande North or South locations for the July 2024 stormwater sample.
- Temperature results have met the applicable WQSs for all the CMC samples to date. All temperature results were less than 32.2°C (maximum WQS).
- The PCB results were below the New Mexico Surface WQSs for designated uses, including acute aquatic life, and chronic aquatic life. However, the Rio Grande North and the Rio Grande South CMC samples from July 17, 2024 and July 19, 2024 respectively, were above the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters. The Rio Grande North location was above both the Pueblo of Isleta HH criteria (based on fish consumption only) WQS for surface waters and NMAC HH-OO criteria.
- The calculated E. coli loading for the July 17-19, 2024 storm event for the north segment (Alameda to Angostura) was acceptable for the WLA for the CMC MS4s. The southern segment (Isleta to Alameda) of the Rio Grande was above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.
    - Sources for the E. coli loading measured in the river are not solely attributable to the CMC MS4 members; the E. coli loading calculations serve to provide a reasonable estimate of the CMC contribution to the measured E. coli loading.

For planning purposes for the CMC members, if a sample is obtained, the FY 2025 dry season CMC monitoring will be summarized by BHI for the CMC in a dry season memo.

SG/ab

Attachments:

Attachment 1 – DBS&A Field Data & Eurofins Environment Testing Environmental Analysis Laboratory Reports with BHI Notes for FY 2025 Wet Season

Attachment 2 – FY 2025 Wet Season Completed Data Verification and Validation (V&V) Forms

Spreadsheets Included Separately:

E. coli Loading and Comparison to Waste Load Allocation (WLA) Excel Spreadsheet

Excel CMC Spreadsheet with FY 2025 Wet Season Stormwater Quality Monitoring Results

# ATTACHMENT 1

# DBS&A FIELD DATA & EUROFINS ENVIRONMENT TESTING LABORATORY REPORTS WITH BHI NOTES FOR FY 2025 WET SEASON

**CMC Water Quality Results Database**
**FY 2017 -FY 2025**
**Date: April 7, 2025**
**Summary of Lab Results for CMC samples**

| Parameter | Permit Required Units | Provisional or Verified | 2025 CMC SAMPLE - EXTRA NORTH Collection Date 7/17/2024 Wet Season Sample | Qualifier | Check compared to Water Quality Criterion | Provisional or Verified | CMC SAMPLE Equip Blank NORTH Collection Date 7/15/2024 Wet Season Sample | Qualifier | Check compared to Water Quality Criterion | Provisional or Verified | 2025 CMC SAMPLE - EXTRA SOUTH Collection Date 7/19/2024 Wet Season Sample | Qualifier | Check compared to Water Quality Criterion | Provisional or Verified | CMC SAMPLE Equip Blank SOUTH Collection Date 7/19/2024 Wet Season Sample | Qualifier | Check compared to Water Quality Criterion | Provisional or Verified | 2025 CMC SAMPLE - EXTRA ALAMEDA Collection Date 7/17/24 Wet Season Sample | Qualifier | Check compared to Water Quality Criterion |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total Suspended Solids (TSS)** | mg/L | V | 29 | | -- | | | | | V | 42 | | -- | | | | | | | | |
| **Total Dissolved Solids (TDS)** | mg/L | V | 190 | | OK | | | | | V | 320 | | OK | | | | | | | | |
| **Chemical Oxygen Demand (COD)** | mg/L | V | ND | H | -- | | | | | V | 75 | | -- | | | | | | | | |
| **Biochemical Oxygen Demand ($BOD_5$)** | mg/L | V | <2.0 | H H3 *- | -- | | | | | V | ND | *- | -- | | | | | | | | |
| **Dissolved Oxygen (DO)** | mg/L | V | 6.3 | | OK | V | 6.3 | | OK | V | 5 | | OK | V | 5 | | OK | V | 5.1 | | OK |
| **Oil and Grease (N-Hexane Extractable Material)** | mg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **E. coli** | MPN (CFU/100 mL) | V | 36.4 | | OK | | | | | V | 228.2 | | >WQ Standard | | | | | V | 45.9 | | OK |
| **pH** | S.U. | V | 8.29 | | OK | V | 8.29 | | OK | V | 8.19 | | OK | V | 8.19 | | OK | V | 7.76 | | OK |
| **Total Kjedahl Nitrogen (TKN)** | mg/L | V | ND | | -- | | | | | V | 0.74 | | -- | | | | | | | | |
| **Nitrate plus Nitrite** | mg/L | V | 0.56 | J | OK | | | | | V | 1.3 | | OK | | | | | | | | |
| **Dissolved Phosphorous** | mg/L | V | 0.069 | | -- | | | | | V | 0.47 | | -- | | | | | | | | |
| **Ammonia (mg/L as N)** | mg/L | V | ND | | N/A | | | | | V | ND | | OK | | | | | | | | |
| **Total Nitrogen** | mg/L | V | 0.56 | | OK | | | | | V | 2.04 | | OK | | | | | | | | |
| **Total Phosphorous** | mg/L | V | 0.12 | | -- | | | | | V | 0.54 | | -- | | | | | | | | |
| **PCBS - 0.000064 (Method 1668A - sum of all congeners)** | µg/L | V | 0.0008419 | J B q | >WQ Standard | | | | | V | 0.0001843 | J B q | >WQ Standard | | | | | | | | |
| **Gross Alpha, Adjusted** | pCi/L | V | 2.99 | Note - Gross Alpha was reported, not adjusted gross alpha | OK | | | | | V | 2.36 | UG Note - Gross Alpha was reported, not adjusted gross alpha | OK | | | | | | | | |
| **Tetrahydrofuran** | µg/L | V | ND | | -- | | | | | V | ND | | -- | | | | | | | | |
| **Benzo[a]pyrene** | µg/L | V | ND | | N/A | | | | | V | ND | | OK | | | | | | | | |
| **Benzo[b]fluoranthene (other name: 3,4-Benzofluoranthene)** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Benzo(k)fluoranthene** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Chrysene** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Indeno(1,2,3-cd)Pyrene** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Dieldrin** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Pentachlorophenol** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Benzidine** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Benzo(a)anthracene** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Dibenzofuran** | µg/L | V | ND | | -- | | | | | V | ND | | -- | | | | | | | | |
| **Dibenzo[a,h]anthracene** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Chromium VI (Hexavalent)** | µg/L | V | ND | | OK | | | | | V | ND | | OK | | | | | | | | |
| **Dissolved Copper** | µg/L | V | 0.78 | | OK | | | | | V | 1.3 | | OK | | | | | | | | |
| **Dissolved Lead** | µg/L | V | 0.091 | J | OK | | | | | V | ND | | OK | | | | | | | | |
| **Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexyl)phthalate, DEHP) - 2.2** | µg/L | V | ND | *+ | OK | | | | | V | ND | *+ | OK | | | | | | | | |
| **Conductivity** | umhos/cm | V | 294 | | -- | V | 294 | | -- | V | 510 | | -- | V | 510 | | -- | V | 332 | | -- |
| **Temperature** | °C | V | 26.3 | | OK | V | 26.3 | | OK | V | 26.6 | | OK | V | 26.60 | | OK | V | 29.9 | | OK |
| **Hardness (as $CaCO_3$)** | mg/L | V | 130 | | -- | | | | | V | 160 | | -- | | | | | | | | |
| **Mercury** | µg/l | | | | | | | | | | | | | | | | | | | | |
| **PFA (6)** | ppt (ng/L) | V | ND | | OK | V | ND | | OK | V | ND | | OK | V | 2.9 | J | -- | | | | |
| **PFA (6) (filtered)** | ppt (ng/L) | | | | | | | | | | | | | | | | | | | | |

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**Data Verification/Validation and Qualifier Notes:**
(R) The sample results are unusable because certain criteria were not met. The analyte may or may not be present in the sample.
(H) Sample holding time exceeded.
(J) The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
(D) Sample was diluted by Lab due to matrix
(U) Analyte was analyzed for, but not detected above the specified detection limit.

**Notes:**
1. Wet Season monitoring period - July 1 to October 31 and Dry Season monitoring period - November 1 to June 30 according to the Watershed Based MS4 Permit NMR04A000.
2. Water Quality Criterion from 20.6.4 NMAC; Rio Grande Basin - section 20.6.4.105;
For a mean monthly flow of 100 cfs, monthly average concentration for TDS 1,500
3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/L
4. According to NMAC 20.6.4, E. coli bacteria for Primary Contact - monthly geometric
5. Water quality criterion for metals is based on dissolved metals, NMAC 20.6.4.900.I
and individual sample results compared to acute toxicity values.
6. Eurofins lab method: SM 9223B Fecal Indicator. Note - lab method for units of MPN/100 ml, lab report uses units CFU/100 ml, for this analysis assuming two units
7. PFA 6 is for the sum of 6 PFAS in drinking water; these compounds are PFOA, PFOS, PFNA, PFHpA, PFHxS and PFDA

ND - analyte not detected above the laboratory method detection limit
NA - not analyzed
Hatching also indicates that parameter was not analyzed

National recommended WQ criteria Human Health
https://www.epa.gov/wqc/national-recommended-water-quality-criteria-human-health-criteria-table

Samplers C Johannesson
E. Jones

# CMC Sampling Data Sheet

Site Identification: Rio Grande – North

Notes:

**Full Suite Sample Date and Time:** 7/17/2024 1230

**Full Sample Identification:** RG-North-20240717

*QC Samples:* Duplicate / None QC Sample ID: EQUIP BLANK-20240717; PFAS

*QC samples require a DIFFERENT sample time than the environmental sample.*
QC Sample time: 1245

**Full Suite Collection Point :** DAM

Full Suite Sample Volume: 9 gallons Collection Time Start: 1145 End: 1230

***Field Parameters for each 2-gallon grab***

| Grab | Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) |
|---|---|---|---|---|---|---|
| 1 | 1145 | 25.4 | 8.64 | 314 | 5.0 | 73 |
| 2 | 1200 | 28.1 | 8.74 Recalibrate pH; one point(7) | 288 | 4.5 | 69 |
| 3 | 1215 | 25.8 | 7.49 | 393 | 5.6 | 83 |
| 4 | 1230 | 26.6 | 8.24 | 303 | 4.9 | 74 |
| Composite | 1230 | 26.3 | 8.29 | 294 | 6.3 | 90 |

☒ Turbid Water ☒ Color Brown ☐ Solids ☐ Oil/Sheen ☐ Foam ☒ Odor ~~N/A~~ Difect by products

***Analytical - see 2024 COC table***

☒ Site Photo ☒ Sample Photo

Samplers C Johnson

# CMC Sampling Data Sheet

Site Identification: RG-Alameda

Notes:

| | |
|---|---|
| **Full Suite Sample Date and Time:** | RG-Alameda-20240717 |
| **Full Sample Identification:** | 7/17/24 1400 |
| *QC Samples:* Duplicate / None | QC Sample ID: |
| *QC samples require a DIFFERENT sample time than the environmental sample.* QC Sample time: | |

**Full Suite Collection Point :**

Full Suite Sample Volume: Collection Time Start: 1400 End: 1400

***Field Parameters for each 2-gallon grab***

| Grab | Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) |
|---|---|---|---|---|---|---|
| 1 | 1400 | 29.9 | 7.76 | 332 | 5.1 | 80 |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| Composite | | | | | | |

☐*Turbid Water* ☐*Color*_____ ☐*Solids* ☐*Oil/Sheen* ☐*Foam* ☐*Odor*_____

***Analytical - see 2024 COC table***

☐Site Photo ☐Sample Photo

DBS&A
Daniel B. Stephens & Associates, Inc.

Samplers EJ & JC

# CMC Sampling Data Sheet

Site Identification: **Rio Grande at Isleta Dam**

**Sample Date and Time:** 7/14/'24 1100 1145

**Sample Identification:** RG - South - 20240719

QC Samples: ~~Duplicate~~ / None

*QC samples require a DIFFERENT sample time than the environmental sample.*

QC Sample Time: 1100

QC Sample ID: RG - South ~~DUP~~ BLK - 20240719

PFAS Equipment Blank

**Collection Point :** Bucket from West side of Bridge

**Collection Equipment :** Plastic Bucket

Total Sample Volume:

Collection Time Start: ~~1045~~ 1100 End: ~~1100~~ 1145

Water Quality Meter ID: YSI Pro 1020 (21C102844)

Calibration Date: ~~7/19/'24~~

***Field Parameters***

| Time | Temp (°C) | pH | Specific Conductance (µS/cm) | Dissolved Oxygen (mg/L) | Dissolved Oxygen (%) | ORP (mV) | Volume (Gallons) |
|---|---|---|---|---|---|---|---|
| 1100 ~~1045~~ | 26.3 | 7.98 | 484 | ~~7.5~~ 5.0 | ~~80~~ 74 | | ≈2 |
| 1115 ~~1030~~ | 25.8 | 8.10 | 506 | ~~5.4~~ 86 | ~~86~~ 80 | | ≈1.5 |
| 1130 ~~1045~~ | 25.6 | 8.15 | 503 | 5.6 | 83 | | ≈2.0 |
| 1145 1100 | 25.7 | 8.12 | 499 | 6.7 | 94 | | ≈2 |
| Composite | 26.6 | 8.19 | 510 | 5.0 | 74 | | |

*Notes:* *Analysis suite in attached 2016_Paramter list_CMC.pdf*

Translucent Light brown

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Patrick Chavez
Albuquerque Metropolitan Arroyo Flood Control Authority
2600 Prospect Ave NE
Albuquerque, New Mexico 87107

Generated 7/19/2024 4:23:40 PM

## JOB DESCRIPTION

CMC ~~FY 24~~
FY 25

## JOB NUMBER

885-8170-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



myEOL

# Eurofins Albuquerque

## Job Notes

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

## Authorization



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Authorized for release by
Erin Munoz, Project Manager
Erin.Munoz@et.eurofinsus.com
(505)345-3975

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# Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

## Glossary

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

**Job Narrative**
**885-8170-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

**Receipt**
The samples were received on 7/17/2024 2:45 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 11.6°C.

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

07/17/2024: Rio Grande North and Alameda only E.coli.

Field Parameters:
- Rio Grande - North
  Temp = 26.3$^0$C
  pH = 8.29
  Conductivity = 294
  Dissolved Oxygen = 6.3
- Alameda
  Temp = 29.9$^0$C
  pH = 7.76
  Conductivity = 332
  Dissolved Oxygen = 5.1

# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

**Client Sample ID: RG-North-20240717**
**Lab Sample ID: 885-8170-1**
**Date Collected: 07/17/24 12:30**
**Matrix: Water**
**Date Received: 07/17/24 14:45**

**Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | 36.4 | | 1.0 | 1.0 | MPN/100mL | | | 07/17/24 18:31 | 1 |

# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

**Client Sample ID: RG-Alameda-20240717**
**Lab Sample ID: 885-8170-2**
**Date Collected: 07/17/24 14:00**
**Matrix: Water**
**Date Received: 07/17/24 14:45**

**Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)**

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | 45.9 | | 1.0 | 1.0 | MPN/100mL | | | 07/17/24 18:31 | 1 |

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

## Method: 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

**Lab Sample ID: MB 885-8611/1**
**Matrix: Water**
**Analysis Batch: 8611**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| . Ncherichia coli | mD | | 1L0 | 1L0 | MPm/1003 E | | | 07/17/24 18:f 1 | 1 |

. urosinNAlbuquerque



7/19/2024

## Biology

### Analysis Batch: 8611

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8170-1 | RG-North-20240717 | Total/NA | Water | 9223B | |
| 885-8170-2 | RG-Alameda-20240717 | Total/NA | Water | 9223B | |
| MB 885-8611/1 | Method Blank | Total/NA | Water | 9223B | |

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

## Client Sample ID: RG-North-20240717
**Lab Sample ID: 885-8170-1**
**Date Collected: 07/17/24 12:30**
**Matrix: Water**
**Date Received: 07/17/24 14:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 9223B | | 1 | 8611 | CO | EET ALB | 07/17/24 18:31 |

## Client Sample ID: RG-Alameda-20240717
**Lab Sample ID: 885-8170-2**
**Date Collected: 07/17/24 14:00**
**Matrix: Water**
**Date Received: 07/17/24 14:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 9223B | | 1 | 8611 | CO | EET ALB | 07/17/24 18:31 |

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

# Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority
Job ID: 885-8170-1
Project/Site: CMC FY 24

## Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Oregon | NELAP | NM100001 | 02-26-25 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 9223B | | Water | Escherichia coli |

# Chain-of-Custody Record

Client: AMAFCA

Mailing Address:

Phone #:

email or Fax#: pchavez@amafca.org

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: CMC FY24

Project #: —

Project Manager: Patrick Chavez

Sampler: DBSA - Chad Johannesson

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 11.6 ± 0 = 11.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

885-8170 COC

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | Analysis Request: X + E coli - enumerate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7-17-25 | 1230 | AQ | RG-North-20240717 | | | | | | | | | | | | | | |
| 7-17-25 | 1400 | AQ | RG-Alameda-20240717 | | | | | | | | | | | | | | X |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 7-17-24 | 1445 | | | CDD | 7-17-24 | 1445 |
| Date: | Time | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories This serves as notice of this possibility Any sub-contracted data will be clearly notated on the analytical report.

# Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-8170-1

**Login Number: 8170**
**List Number: 1**
**Creator: Dominguez, Desiree**

**List Source: Eurofins Albuquerque**

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

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Eben Jones
Daniel B. Stephens & Associates Inc.
6020 Academy Road NE
Suite 100
Albuquerque, New Mexico 87109

Generated 9/13/2024 8:19:42 AM

## JOB DESCRIPTION

CMC

## JOB NUMBER

885-8362-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



my EOL

# Eurofins Albuquerque

## Job Notes

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## Authorization



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9/13/2024 8:19:42 AM

Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)345-3975

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## Qualifiers

### GC/MS Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC Semi VOA

| Qualifier | Qualifier Description |
|---|---|
| S1+ | Surrogate recovery exceeds control limits, high biased. |

### HPLC/IC

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### LCMS

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Dioxin

| Qualifier | Qualifier Description |
|---|---|
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| q | The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference. |

### Metals

| Qualifier | Qualifier Description |
|---|---|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### General Chemistry

| Qualifier | Qualifier Description |
|---|---|
| *- | LCS and/or LCSD is outside acceptance limits, low biased. |
| H | Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements. |
| H3 | Sample was received and analyzed past holding time. This does not meet regulatory requirements. |
| HF | Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time. |

### Rad

| Qualifier | Qualifier Description |
|---|---|
| G | The Sample MDC is greater than the requested RL. |
| U | Result is less than the sample detection limit. |

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |

## Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

## Job ID: 885-8362-1 Eurofins Albuquerque

**Job Narrative**
**885-8362-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

**Receipt**
The samples were received on 7/19/2024 1:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.6°C and 18.8°C.

**Receipt Exceptions**
The Field Sampler was not listed on the Chain of Custody.

The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: RG-South-20240719 (885-8362-1), RG-South-BLK-20240719 (885-8362-2), RG-North-20240717 (885-8362-3), EquipBlank-20240717;PFAS (885-8362-4) and Trip Blank (885-8362-5).

the following sample(s): #3X was received with a broken and/or cracked lid. Tape was placed on the lid. No volume was lost.

**Subcontract Work**
Method 3500Cr C-2011 Cr6: This method was subcontracted to Pace Analytical Services LLC. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

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

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

**Pesticides/PCBs**
Method 608.3: The surrogate recovery for the method blank associated with preparation batch 860-177123 and analytical batch 860-177230 was outside the upper control limits.
(MB 860-177123/1-A)

Method 608.3: The surrogate recovery for the laboratory control sample and laboratory control sample duplicate associated with preparation batch 860-177123 and analytical batch 860-177230 was outside the upper control limits.

(LCS 860-177123/2-A) and (LCSD 860-177123/3-A)

Method 608.3: Surrogate recovery for the following sample was outside the upper control limit: RG-North-20240717 (885-8362-3). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

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

**PFAS**
Method 537.1: The following samples in preparation batch 320-783394 were yellow in color prior to extraction.RG-South-BLK-20240719 (885-8362-2) and RG-North-20240717 (885-8362-3)

Method 537.1: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-783394.

Method 537.1: The following sample was re-extracted due to detections for several analytes. The re-extraction results confirmed; therefore, the original set of data has been reported.

RG-South-BLK-20240719 (885-8362-2)

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

**Hi-Res PCBs**
Method 1668A: Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following sample: (LCS 320-785897/2-A). The theoretical area for the IDA was used to quantitate recovery and target concentration.

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

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

**General Chemistry**
Method 5220D_NP: The following sample was analyzed outside of analytical holding time: RG-North-20240717 (885-8362-3).

Method 5220D_NP: Sample diluted due to insufficient volume remaining for reanalysis. Sample was Non detect.

RG-North-20240717 (885-8362-3)

Method SM5210B_BODCalc: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 885-8777. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

Method SM5210B_BODCalc: The DO depletion is < 2.0mg/L at the maximum sample aliquot allowed. Therefore, the BOD result is reported.

Method SM5210B_BODCalc: Samples adjusted for pH before analysis.

RG-South-20240719 (885-8362-1) and RG-North-20240717 (885-8362-3)

Method SM5210B_BODCalc: The following sample was received outside of holding time: RG-North-20240717 (885-8362-3).

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

**Gas Flow Proportional Counter**
Method 900.0: Gross Alpha Beta Batch 672164

The detection goal was not met for the following sample due to a reduction of the sample size attributed to high residual mass: RG-South-20240719 (885-8362-1). Analytical results are reported with the detection limit achieved.

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

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

07/17/2024: Rio Grande North full analyte list including E.coli and PFAS. Rio Grande North Equipment Blank sample was tested for PFAS
07/19/2024: Rio Grande South full analyte list including E.coli and PFAS filtered. Rio Grande South Equipment Blank sample was tested for PFAS.

Field Parameters:
- Rio Grande - South
  Temp = 26.6$^0$C
  pH = 8.19
  Conductivity = 510
  Dissolved Oxygen = 5.0
- Rio Grande - North
  Temp = 26.3$^0$C
  pH = 8.29
  Conductivity = 294
  Dissolved Oxygen = 6.3

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-South-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-1**
**Matrix: Water**

### Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 07/31/24 22:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *103* | | *63 - 144* | | *07/31/24 22:00* | *1* |
| *4-Bromofluorobenzene (Surr)* | *95* | | *74 - 124* | | *07/31/24 22:00* | *1* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 131* | | *07/31/24 22:00* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *80 - 120* | | *07/31/24 22:00* | *1* |

### Method: EPA 625.1 - Semivolatile Organic Compounds (GC-MS/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 0.11 | 0.0094 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Benzo[a]pyrene | ND | | 0.11 | 0.0099 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Benzo[b]fluoranthene | ND | | 0.56 | 0.066 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Benzo[k]fluoranthene | ND | | 0.56 | 0.047 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Chrysene | ND | | 0.56 | 0.081 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.11 | 0.050 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Dibenzofuran | ND | | 0.56 | 0.11 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.56 | 0.099 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Benzidine | ND | | 1.1 | 0.089 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | *+ | 2.8 | 1.4 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |
| Pentachlorophenol | ND | | 1.1 | 1.0 | ug/L | | 07/24/24 14:59 | 07/31/24 09:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *111* | | *43 - 130* | *07/24/24 14:59* | *07/31/24 09:57* | *1* |
| *Nitrobenzene-d5 (Surr)* | *117* | | *37 - 133* | *07/24/24 14:59* | *07/31/24 09:57* | *1* |
| *p-Terphenyl-d14 (Surr)* | *111* | | *47 - 130* | *07/24/24 14:59* | *07/31/24 09:57* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *96* | | *35 - 130* | *07/24/24 14:59* | *07/31/24 09:57* | *1* |

### Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | ND | | 0.000053 | 0.000018 | mg/L | | 07/23/24 20:02 | 07/24/24 14:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *64* | | *45 - 115* | *07/23/24 20:02* | *07/24/24 14:31* | *1* |
| *Tetrachloro-m-xylene* | *109* | | *41 - 110* | *07/23/24 20:02* | *07/24/24 14:31* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate** | **1.3** | | 0.10 | 0.020 | mg/L | | | 07/20/24 05:03 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 07/20/24 05:03 | 1 |

### Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-South-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-1**
**Matrix: Water**

### Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorotetradecanoic acid (PFTA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 0.0018 | 0.00045 | ug/L | | 07/24/24 05:30 | 07/27/24 12:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFHxA* | *100* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:08* | *1* |
| *13C2 PFDA* | *103* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:08* | *1* |
| *d5-NEtFOSAA* | *86* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:08* | *1* |
| *13C3 HFPO-DA* | *90* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:08* | *1* |

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 20 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-2 | ND | | 200 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-3 | ND | | 61 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-4 | ND | | 41 | 7.9 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-5 | ND | | 200 | 11 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-6 | ND | | 200 | 9.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-7 | ND | | 200 | 10 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-8 | ND | | 200 | 9.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-9 | ND | | 200 | 10 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-10 | ND | | 200 | 5.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-11 | ND | | 200 | 11 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-12 | ND | | 410 | 11 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-13 | ND | | 410 | 11 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-14 | ND | | 200 | 10 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-15 | ND | | 41 | 8.4 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-16 | ND | | 200 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-17 | ND | | 200 | 2.6 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-18 | ND | | 410 | 1.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-19 | ND | | 20 | 3.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-20 | ND | | 410 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-21 | ND | | 410 | 3.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-22 | ND | | 200 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-23 | ND | | 200 | 3.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-24 | ND | | 200 | 1.9 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-25 | ND | | 200 | 2.6 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-26 | ND | | 410 | 2.9 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-South-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-1**
**Matrix: Water**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-27 | ND | | 200 | 1.7 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-28 | ND | | 410 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-29 | ND | | 410 | 2.9 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-30 | ND | | 410 | 1.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-31 | ND | | 200 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-32 | ND | | 200 | 1.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-33 | ND | | 410 | 3.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-34 | ND | | 200 | 2.9 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-35 | ND | | 200 | 2.9 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-36 | ND | | 200 | 3.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-37 | ND | | 20 | 2.7 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-38 | ND | | 200 | 3.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-39 | ND | | 200 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-40 | ND | | 410 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-41 | ND | | 200 | 1.4 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-42 | ND | | 200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-43 | ND | | 200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-44 | 7.0 | J B | 610 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-45 | ND | | 410 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-46 | ND | | 200 | 1.4 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-47 | 7.0 | J B | 610 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-48 | ND | | 200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-49 | ND | | 410 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-50 | ND | | 410 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-51 | ND | | 410 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-52 | ND | | 200 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-53 | ND | | 410 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-54 | ND | | 20 | 0.56 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-55 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-56 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-57 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-58 | ND | | 200 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-59 | ND | | 610 | 0.87 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-60 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-61 | 6.1 | J | 820 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-62 | ND | | 610 | 0.87 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-63 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-64 | ND | | 200 | 0.87 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-65 | 7.0 | J B | 610 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-66 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-67 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-68 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-69 | ND | | 410 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-70 | 6.1 | J | 820 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-71 | ND | | 410 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-72 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-73 | ND | | 200 | 0.78 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-74 | 6.1 | J | 820 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-75 | ND | | 610 | 0.87 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-South-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-1**
**Matrix: Water**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-76 | 6.1 | J | 820 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-77 | ND | | 20 | 1.4 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-78 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-79 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-80 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-81 | ND | | 20 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-82 | ND | | 200 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-83 | ND | | 410 | 1.4 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-84 | ND | | 200 | 1.7 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-85 | ND | | 610 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-86 | ND | | 1200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-87 | ND | | 1200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-88 | ND | | 410 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-89 | ND | | 200 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-90 | 6.0 | J | 610 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-91 | ND | | 410 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-92 | ND | | 200 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-93 | ND | | 410 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-94 | ND | | 200 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-95 | 4.7 | J | 200 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-96 | ND | | 200 | 0.62 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-97 | ND | | 1200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-98 | ND | | 410 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-99 | ND | | 410 | 1.4 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-100 | ND | | 410 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-101 | 6.0 | J | 610 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-102 | ND | | 410 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-103 | ND | | 200 | 1.4 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-104 | ND | | 20 | 0.71 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-105 | ND | | 20 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-106 | ND | | 200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-107 | ND | | 200 | 0.88 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-108 | ND | | 410 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-109 | ND | | 1200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-110 | 6.7 | J q | 410 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-111 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-112 | ND | | 200 | 0.97 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-113 | 6.0 | J | 610 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-114 | ND | | 20 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-115 | 6.7 | J q | 410 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-116 | ND | | 610 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-117 | ND | | 610 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-118 | 4.2 | J q | 20 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-119 | ND | | 1200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-120 | ND | | 200 | 0.86 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-121 | ND | | 200 | 0.95 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-122 | ND | | 200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-123 | ND | | 20 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-124 | ND | | 410 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-South-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-1**
**Matrix: Water**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-125 | ND | | 1200 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-126 | ND | | 20 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-127 | ND | | 200 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-128 | ND | | 410 | 0.75 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-129 | 9.3 | J | 820 | 0.77 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-130 | ND | | 200 | 0.99 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-131 | ND | | 200 | 0.93 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-132 | ND | | 200 | 0.93 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-133 | ND | | 200 | 0.95 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-134 | ND | | 410 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-135 | 3.5 | J | 410 | 0.84 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-136 | ND | | 200 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-137 | ND | | 200 | 0.75 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-138 | 9.3 | J | 820 | 0.77 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-139 | ND | | 410 | 0.83 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-140 | ND | | 410 | 0.83 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-141 | ND | | 200 | 0.97 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-142 | ND | | 200 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-143 | ND | | 410 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-144 | ND | | 200 | 0.81 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-145 | ND | | 200 | 0.65 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-146 | ND | | 200 | 0.65 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-147 | 7.7 | J | 410 | 0.80 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-148 | ND | | 200 | 0.85 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-149 | 7.7 | J | 410 | 0.80 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-150 | ND | | 200 | 0.66 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-151 | 3.5 | J | 410 | 0.84 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-152 | ND | | 200 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-153 | 6.8 | J q | 410 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-154 | ND | | 200 | 0.82 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-155 | ND | | 20 | 0.67 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-156 | ND | | 41 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-157 | ND | | 41 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-158 | ND | | 200 | 0.60 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-159 | ND | | 200 | 0.41 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-160 | 9.3 | J | 820 | 0.77 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-161 | ND | | 200 | 0.78 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-162 | ND | | 200 | 0.48 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-163 | 9.3 | J | 820 | 0.77 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-164 | ND | | 200 | 0.86 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-165 | ND | | 200 | 0.69 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-166 | ND | | 410 | 0.75 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-167 | ND | | 20 | 0.40 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-168 | 6.8 | J q | 410 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-169 | ND | | 20 | 0.47 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-170 | ND | | 200 | 0.90 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-171 | ND | | 410 | 0.92 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-172 | ND | | 200 | 0.93 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-173 | ND | | 410 | 0.92 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Job ID: 885-8362-1
Project/Site: CMC

**Client Sample ID: RG-South-20240719**
**Lab Sample ID: 885-8362-1**
**Date Collected: 07/19/24 11:45**
**Matrix: Water**
**Date Received: 07/19/24 13:27**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-174 | ND | | 200 | 0.96 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-175 | ND | | 200 | 0.52 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-176 | ND | | 200 | 0.41 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-177 | ND | | 200 | 0.82 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-178 | ND | | 200 | 0.54 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-179 | ND | | 200 | 0.36 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-180 | 9.5 | J q | 410 | 0.72 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-181 | ND | | 200 | 0.86 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-182 | ND | | 200 | 0.54 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-183 | ND | | 200 | 0.71 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-184 | ND | | 200 | 0.37 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-185 | ND | | 200 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-186 | ND | | 200 | 0.33 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-187 | ND | | 200 | 0.43 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-188 | ND | | 20 | 0.35 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-189 | ND | | 20 | 0.51 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-190 | ND | | 200 | 0.60 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-191 | ND | | 200 | 0.64 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-192 | ND | | 200 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-193 | 9.5 | J q | 410 | 0.72 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-194 | ND | | 200 | 0.66 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-195 | ND | | 200 | 0.72 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-196 | ND | | 200 | 0.99 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-197 | ND | | 200 | 0.64 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-198 | 3.2 | J | 410 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-199 | 3.2 | J | 410 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-200 | ND | | 200 | 0.89 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-201 | ND | | 200 | 0.77 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-202 | ND | | 20 | 0.67 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-203 | ND | | 200 | 0.90 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-204 | ND | | 200 | 0.76 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-205 | ND | | 20 | 0.73 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-206 | ND | | 20 | 3.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-207 | ND | | 200 | 2.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-208 | ND | | 20 | 2.0 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-209 | ND | | 20 | 0.40 | pg/L | | 07/30/24 09:07 | 08/02/24 08:32 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *67* | | *15 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-3L* | *67* | | *15 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-4L* | *68* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-15L* | *81* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-19L* | *67* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-37L* | *96* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-54L* | *64* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-77L* | *100* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-81L* | *92* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-104L* | *54* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-105L* | *90* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |
| *PCB-114L* | *86* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 08:32* | *1* |

**Client Sample ID: RG-South-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-1**
**Matrix: Water**

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-118L | 89 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-123L | 87 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-126L | 90 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-155L | 62 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-156L | 97 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-156L/157L | 97 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-157L | 97 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-167L | 97 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-169L | 97 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-188L | 71 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-189L | 85 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-202L | 74 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-205L | 94 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-206L | 95 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-208L | 82 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-209L | 116 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 102 | | 30 - 135 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-111L | 106 | | 30 - 135 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |
| PCB-178L | 127 | | 30 - 135 | 07/30/24 09:07 | 08/02/24 08:32 | 1 |

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Calcium** | **49** | | 5.0 | 0.27 | mg/L | | 07/22/24 10:41 | 07/24/24 10:15 | 5 |
| **Magnesium** | **8.0** | | 5.0 | 0.17 | mg/L | | 07/22/24 10:41 | 07/24/24 10:15 | 5 |

### Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.00050 | 0.000083 | mg/L | | | 07/26/24 10:29 | 1 |
| **Copper** | **0.0013** | | 0.00050 | 0.00012 | mg/L | | | 07/26/24 10:29 | 1 |

### Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **160** | | 6.6 | 2.5 | mg/L | | | 07/25/24 10:26 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) (1664B) | ND | | 5.0 | 4.4 | mg/L | | | 08/09/24 09:50 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **320** | | 50 | 25 | mg/L | | | 07/25/24 08:48 | 1 |
| **Nitrogen, Total Kjeldahl (EPA 351.2)** | **0.74** | | 0.50 | 0.50 | mg/L | | 07/22/24 10:30 | 07/24/24 14:51 | 1 |
| **Total Phosphorus as P (EPA 365.1)** | **0.54** | | 0.10 | 0.10 | mg/L | | 07/22/24 09:49 | 07/23/24 12:13 | 1 |
| **Chemical Oxygen Demand (SM 5220D)** | **75** | | 50 | 50 | mg/L | | | 07/31/24 15:01 | 1 |
| **Total Suspended Solids (SM 2540D)** | **42** | | 4.0 | 4.0 | mg/L | | | 07/23/24 12:52 | 1 |
| **pH (SM 4500 H+ B)** | **8.2** | **HF** | 0.1 | 0.1 | SU | | | 07/23/24 16:15 | 1 |
| Ammonia (SM 4500 NH3 C) | ND | | 0.67 | 0.28 | mg/L | | 07/25/24 11:04 | 07/25/24 14:50 | 1 |
| Biochemical Oxygen Demand (SM5210B) | ND | *- | 2.0 | 2.0 | mg/L | | | 07/19/24 15:58 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-South-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-1**
**Matrix: Water**

### General Chemistry - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P (EPA 365.1) | 0.47 | | 0.10 | 0.10 | mg/L | | 07/30/24 08:10 | 07/31/24 09:54 | 1 |

### Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 2.36 | U G | 2.36 | 2.37 | 3.00 | 3.75 | pCi/L | 07/24/24 09:30 | 08/05/24 14:40 | 1 |
| Gross Beta | 20.5 | | 2.01 | 2.87 | 4.00 | 1.52 | pCi/L | 07/24/24 09:30 | 08/05/24 14:40 | 1 |

### Method: SM 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | 228.2 | | 1.0 | 1.0 | MPN/100mL | | | 07/19/24 17:45 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-South-BLK-20240719**
**Date Collected: 07/19/24 11:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-2**
**Matrix: Water**

### Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | 0.0017 | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorooctanoic acid (PFOA) | 0.0015 | J | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorotetradecanoic acid (PFTA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | 0.0014 | J | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 12:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFHxA* | *86* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:16* | *1* |
| *13C2 PFDA* | *102* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:16* | *1* |
| *d5-NEtFOSAA* | *84* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:16* | *1* |
| *13C3 HFPO-DA* | *83* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 12:16* | *1* |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-North-20240717**
**Date Collected: 07/17/24 12:30**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

### Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 07/31/24 12:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *63 - 144* | | *07/31/24 12:18* | *1* |
| *4-Bromofluorobenzene (Surr)* | *99* | | *74 - 124* | | *07/31/24 12:18* | *1* |
| *Dibromofluoromethane (Surr)* | *103* | | *75 - 131* | | *07/31/24 12:18* | *1* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* | | *07/31/24 12:18* | *1* |

### Method: EPA 625.1 - Semivolatile Organic Compounds (GC-MS/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 0.12 | 0.0096 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Benzo[a]pyrene | ND | | 0.12 | 0.010 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Benzo[b]fluoranthene | ND | | 0.58 | 0.067 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Benzo[k]fluoranthene | ND | | 0.58 | 0.048 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Chrysene | ND | | 0.58 | 0.082 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.12 | 0.051 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Dibenzofuran | ND | | 0.58 | 0.11 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.58 | 0.10 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Benzidine | ND | | 1.2 | 0.091 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | *+ | 2.9 | 1.4 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |
| Pentachlorophenol | ND | | 1.2 | 1.0 | ug/L | | 07/24/24 14:59 | 07/31/24 10:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *116* | | *43 - 130* | *07/24/24 14:59* | *07/31/24 10:27* | *1* |
| *Nitrobenzene-d5 (Surr)* | *115* | | *37 - 133* | *07/24/24 14:59* | *07/31/24 10:27* | *1* |
| *p-Terphenyl-d14 (Surr)* | *113* | | *47 - 130* | *07/24/24 14:59* | *07/31/24 10:27* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *95* | | *35 - 130* | *07/24/24 14:59* | *07/31/24 10:27* | *1* |

### Method: EPA 608.3 - Organochlorine Pesticides/PCBs in Water

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | ND | | 0.000052 | 0.000018 | mg/L | | 07/23/24 20:02 | 07/24/24 14:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *65* | | *45 - 115* | *07/23/24 20:02* | *07/24/24 14:42* | *1* |
| *Tetrachloro-m-xylene* | *112* | *S1+* | *41 - 110* | *07/23/24 20:02* | *07/24/24 14:42* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate Nitrite as N** | **0.56** | **J** | 1.0 | 0.11 | mg/L | | | 07/24/24 11:46 | 5 |

### Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorotetradecanoic acid (PFTA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-North-20240717**
**Date Collected: 07/17/24 12:30**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

### Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorobutanesulfonic acid (PFBS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFHxA* | *86* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:46* | *1* |
| *13C2 PFDA* | *101* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:46* | *1* |
| *d5-NEtFOSAA* | *83* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:46* | *1* |
| *13C3 HFPO-DA* | *81* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:46* | *1* |

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 23 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-2 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-3 | ND | | 69 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-4 | ND | | 46 | 6.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-5 | ND | | 230 | 13 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-6 | ND | | 230 | 12 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-7 | ND | | 230 | 13 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-8 | ND | | 230 | 11 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-9 | ND | | 230 | 12 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-10 | ND | | 230 | 4.9 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-11 | ND | | 230 | 13 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-12 | ND | | 460 | 13 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-13 | ND | | 460 | 13 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-14 | ND | | 230 | 13 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-15 | ND | | 46 | 11 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-16 | ND | | 230 | 3.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-17 | ND | | 230 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-18 | ND | | 460 | 2.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-19 | ND | | 23 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-20 | ND | | 460 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-21 | ND | | 460 | 3.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-22 | ND | | 230 | 3.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-23 | ND | | 230 | 3.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-24 | ND | | 230 | 2.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-25 | ND | | 230 | 3.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-26 | ND | | 460 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-27 | ND | | 230 | 2.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-North-20240717**
**Date Collected: 07/17/24 12:30**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-28 | ND | | 460 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-29 | ND | | 460 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-30 | ND | | 460 | 2.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-31 | ND | | 230 | 3.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-32 | ND | | 230 | 2.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-33 | ND | | 460 | 3.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-34 | ND | | 230 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-35 | ND | | 230 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-36 | ND | | 230 | 3.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-37 | ND | | 23 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-38 | ND | | 230 | 3.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-39 | ND | | 230 | 3.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-40 | ND | | 460 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-41 | ND | | 230 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-42 | ND | | 230 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-43 | ND | | 230 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-44 | 17 | J B | 690 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-45 | ND | | 460 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-46 | ND | | 230 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-47 | 17 | J B | 690 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-48 | ND | | 230 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-49 | 4.7 | J | 460 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-50 | ND | | 460 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-51 | ND | | 460 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-52 | 12 | J | 230 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-53 | ND | | 460 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-54 | ND | | 23 | 0.59 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-55 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-56 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-57 | ND | | 230 | 1.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-58 | ND | | 230 | 1.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-59 | ND | | 690 | 0.98 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-60 | ND | | 230 | 1.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-61 | 9.9 | J q | 910 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-62 | ND | | 690 | 0.98 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-63 | ND | | 230 | 1.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-64 | ND | | 230 | 0.98 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-65 | 17 | J B | 690 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-66 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-67 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-68 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-69 | 4.7 | J | 460 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-70 | 9.9 | J q | 910 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-71 | ND | | 460 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-72 | ND | | 230 | 1.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-73 | ND | | 230 | 0.88 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-74 | 9.9 | J q | 910 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-75 | ND | | 690 | 0.98 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-76 | 9.9 | J q | 910 | 1.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-North-20240717**
**Date Collected: 07/17/24 12:30**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-77 | ND | | 23 | 1.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-78 | ND | | 230 | 1.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-79 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-80 | ND | | 230 | 1.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-81 | ND | | 23 | 2.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-82 | ND | | 230 | 4.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-83 | ND | | 460 | 4.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-84 | ND | | 230 | 4.9 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-85 | ND | | 690 | 3.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-86 | ND | | 1400 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-87 | ND | | 1400 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-88 | ND | | 460 | 4.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-89 | ND | | 230 | 4.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-90 | 30 | J | 690 | 3.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-91 | ND | | 460 | 4.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-92 | ND | | 230 | 4.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-93 | ND | | 460 | 4.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-94 | ND | | 230 | 4.7 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-95 | 21 | J | 230 | 4.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-96 | ND | | 230 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-97 | ND | | 1400 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-98 | ND | | 460 | 4.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-99 | ND | | 460 | 4.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-100 | ND | | 460 | 4.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-101 | 30 | J | 690 | 3.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-102 | ND | | 460 | 4.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-103 | ND | | 230 | 4.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-104 | ND | | 23 | 1.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-105 | ND | | 23 | 2.9 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-106 | ND | | 230 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-107 | ND | | 230 | 2.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-108 | ND | | 460 | 3.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-109 | ND | | 1400 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-110 | 30 | J | 460 | 3.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-111 | ND | | 230 | 3.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-112 | ND | | 230 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-113 | 30 | J | 690 | 3.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-114 | ND | | 23 | 3.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-115 | 30 | J | 460 | 3.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-116 | ND | | 690 | 3.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-117 | ND | | 690 | 3.4 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-118 | 18 | J | 23 | 3.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-119 | ND | | 1400 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-120 | ND | | 230 | 2.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-121 | ND | | 230 | 2.8 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-122 | ND | | 230 | 3.5 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-123 | ND | | 23 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-124 | ND | | 460 | 3.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-125 | ND | | 1400 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |

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Job ID: 885-8362-1

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**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-126 | ND | | 23 | 3.3 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-127 | ND | | 230 | 3.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-128 | ND | | 460 | 0.92 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-129 | 43 | J q | 910 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-130 | ND | | 230 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-131 | ND | | 230 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-132 | 13 | J | 230 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-133 | ND | | 230 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-134 | ND | | 460 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-135 | 19 | J | 460 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-136 | 5.1 | J | 230 | 0.78 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-137 | ND | | 230 | 0.92 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-138 | 43 | J q | 910 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-139 | ND | | 460 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-140 | ND | | 460 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-141 | 9.5 | J q | 230 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-142 | ND | | 230 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-143 | ND | | 460 | 1.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-144 | ND | | 230 | 0.99 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-145 | ND | | 230 | 0.80 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-146 | 4.6 | J | 230 | 0.80 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-147 | 36 | J | 460 | 0.98 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-148 | ND | | 230 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-149 | 36 | J | 460 | 0.98 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-150 | ND | | 230 | 0.82 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-151 | 19 | J | 460 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-152 | ND | | 230 | 0.78 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-153 | 40 | J | 460 | 0.78 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-154 | ND | | 230 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-155 | ND | | 23 | 0.81 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-156 | ND | | 46 | 0.68 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-157 | ND | | 46 | 0.68 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-158 | 5.2 | J | 230 | 0.74 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-159 | ND | | 230 | 0.43 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-160 | 43 | J q | 910 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-161 | ND | | 230 | 0.96 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-162 | ND | | 230 | 0.49 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-163 | 43 | J q | 910 | 0.94 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-164 | 6.6 | J | 230 | 1.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-165 | ND | | 230 | 0.85 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-166 | ND | | 460 | 0.92 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-167 | ND | | 23 | 0.41 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-168 | 40 | J | 460 | 0.78 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-169 | ND | | 23 | 0.45 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-170 | 19 | J | 230 | 0.95 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-171 | ND | | 460 | 0.97 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-172 | ND | | 230 | 0.98 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-173 | ND | | 460 | 0.97 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-174 | 23 | J | 230 | 1.0 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |

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Project/Site: CMC

Job ID: 885-8362-1

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**Date Collected: 07/17/24 12:30**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

**Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)**

| Analyte | Result | Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-175 | ND | | 230 | 0.58 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-176 | ND | | 230 | 0.46 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-177 | ND | | 230 | 0.86 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-178 | ND | | 230 | 0.61 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-179 | ND | | 230 | 0.40 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-180 | 43 | J | 460 | 0.76 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-181 | ND | | 230 | 0.91 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-182 | ND | | 230 | 0.60 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-183 | ND | | 230 | 0.75 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-184 | ND | | 230 | 0.42 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-185 | ND | | 230 | 0.99 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-186 | ND | | 230 | 0.37 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-187 | 21 | J | 230 | 0.48 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-188 | ND | | 23 | 0.38 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-189 | ND | | 23 | 0.47 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-190 | ND | | 230 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-191 | ND | | 230 | 0.68 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-192 | ND | | 230 | 0.67 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-193 | 43 | J | 460 | 0.76 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-194 | ND | | 230 | 0.55 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-195 | ND | | 230 | 0.60 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-196 | 5.1 | J | 230 | 0.67 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-197 | ND | | 230 | 0.43 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-198 | 6.3 | J q | 460 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-199 | 6.3 | J q | 460 | 0.63 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-200 | ND | | 230 | 0.60 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-201 | ND | | 230 | 0.52 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-202 | ND | | 23 | 0.43 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-203 | 4.2 | J q | 230 | 0.60 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-204 | ND | | 230 | 0.51 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-205 | ND | | 23 | 0.66 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-206 | ND | | 23 | 3.6 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-207 | ND | | 230 | 2.2 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-208 | ND | | 23 | 2.1 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-209 | ND | | 23 | 0.53 | pg/L | | 07/30/24 09:07 | 08/02/24 09:34 | 1 |

| *Isotope Dilution* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *76* | | *15 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-3L* | *75* | | *15 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-4L* | *79* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-15L* | *79* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-19L* | *76* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-37L* | *89* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-54L* | *69* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-77L* | *92* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-81L* | *79* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-104L* | *52* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-105L* | *82* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-114L* | *82* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |
| *PCB-118L* | *82* | | *25 - 150* | *07/30/24 09:07* | *08/02/24 09:34* | *1* |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-North-20240717**
**Date Collected: 07/17/24 12:30**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

### Method: EPA 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Isotope Dilution | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-123L | 81 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-126L | 88 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-155L | 70 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-156L | 101 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-156L/157L | 101 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-157L | 101 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-167L | 101 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-169L | 104 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-188L | 78 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-189L | 84 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-202L | 77 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-205L | 88 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-206L | 85 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-208L | 82 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-209L | 102 | | 25 - 150 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 112 | | 30 - 135 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-111L | 105 | | 30 - 135 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |
| PCB-178L | 129 | | 30 - 135 | 07/30/24 09:07 | 08/02/24 09:34 | 1 |

### Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Calcium** | **39** | | 5.0 | 0.27 | mg/L | | 07/22/24 10:41 | 07/24/24 10:19 | 5 |
| **Magnesium** | **6.8** | | 5.0 | 0.17 | mg/L | | 07/22/24 10:41 | 07/24/24 10:19 | 5 |

### Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Lead** | **0.000091** | **J** | 0.00050 | 0.000083 | mg/L | | | 07/26/24 10:32 | 1 |
| **Copper** | **0.00078** | | 0.00050 | 0.00012 | mg/L | | | 07/26/24 10:32 | 1 |

### Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Hardness as calcium carbonate** | **130** | | 6.6 | 2.5 | mg/L | | | 07/25/24 10:26 | 1 |

### General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) (1664B) | ND | | 9.8 | 8.7 | mg/L | | | 08/09/24 09:50 | 1 |
| **Total Dissolved Solids (SM 2540C)** | **190** | | 100 | 50 | mg/L | | | 07/24/24 11:30 | 1 |
| Nitrogen, Total Kjeldahl (EPA 351.2) | ND | | 1.3 | 1.3 | mg/L | | 07/30/24 12:17 | 08/02/24 14:04 | 1 |
| **Total Phosphorus as P (EPA 365.1)** | **0.12** | | 0.050 | 0.050 | mg/L | | 07/22/24 09:49 | 07/23/24 12:15 | 1 |
| Chemical Oxygen Demand (SM 5220D) | ND | H | 1300 | 1300 | mg/L | | | 08/27/24 14:32 | 1 |
| **Total Suspended Solids (SM 2540D)** | **29** | | 4.0 | 4.0 | mg/L | | | 07/23/24 12:52 | 1 |
| **pH (SM 4500 H+ B)** | **8.4** | **HF** | 0.1 | 0.1 | SU | | | 07/23/24 16:19 | 1 |
| Ammonia (SM 4500 NH3 C) | ND | | 0.67 | 0.28 | mg/L | | 07/25/24 11:04 | 07/25/24 14:50 | 1 |
| **Biochemical Oxygen Demand (SM5210B)** | **<2.0** | **H H3 *-** | 2.0 | 2.0 | mg/L | | | 07/19/24 15:58 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: RG-North-20240717**
**Date Collected: 07/17/24 12:30**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-3**
**Matrix: Water**

## General Chemistry - Dissolved

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P (EPA 365.1) | 0.069 | | 0.050 | 0.050 | mg/L | | 07/22/24 09:49 | 07/23/24 12:17 | 1 |

## Method: EPA 900.0 - Gross Alpha and Gross Beta Radioactivity

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 2.99 | | 1.84 | 1.87 | 3.00 | 2.56 | pCi/L | 07/24/24 09:30 | 08/05/24 14:40 | 1 |
| Gross Beta | 3.77 | | 0.884 | 0.961 | 4.00 | 1.00 | pCi/L | 07/24/24 09:30 | 08/05/24 14:40 | 1 |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: EquipBlank-20240717;PFAS**
**Date Collected: 07/17/24 12:45**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-4**
**Matrix: Water**

### Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorooctanoic acid (PFOA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorotetradecanoic acid (PFTA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 0.0017 | 0.00043 | ug/L | | 07/24/24 05:30 | 07/27/24 11:53 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFHxA* | *106* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:53* | *1* |
| *13C2 PFDA* | *109* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:53* | *1* |
| *d5-NEtFOSAA* | *90* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:53* | *1* |
| *13C3 HFPO-DA* | *95* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 11:53* | *1* |

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

**Client Sample ID: Trip Blank**
**Date Collected: 07/17/24 00:00**
**Date Received: 07/19/24 13:27**

**Lab Sample ID: 885-8362-5**
**Matrix: Water**

### Method: SW846 8260C - Volatile Organic Compounds by GC/MS

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 07/31/24 03:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *104* | | *63 - 144* | | *07/31/24 03:08* | *1* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *74 - 124* | | *07/31/24 03:08* | *1* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 131* | | *07/31/24 03:08* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *80 - 120* | | *07/31/24 03:08* | *1* |

# Isotope Dilution Summary

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water**

**Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (15-150) | (15-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-8362-1 | RG-South-20240719 | 67 | 67 | 68 | 81 | 67 | 96 | 64 | 100 |
| 885-8362-3 | RG-North-20240717 | 76 | 75 | 79 | 79 | 76 | 89 | 69 | 92 |
| MB 320-785897/1-A | Method Blank | 80 | 79 | 84 | 92 | 85 | 105 | 96 | 104 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | PCB114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-8362-1 | RG-South-20240719 | 92 | 54 | 90 | 86 | 89 | 87 | 90 | 62 |
| 885-8362-3 | RG-North-20240717 | 79 | 52 | 82 | 82 | 82 | 81 | 88 | 70 |
| MB 320-785897/1-A | Method Blank | 104 | 83 | 95 | 93 | 92 | 92 | 98 | 84 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | 156157L | PCB157L | PCB167L | PCB169L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) | (25-150) |
| 885-8362-1 | RG-South-20240719 | 97 | 97 | 97 | 97 | 97 | 71 | 85 | 74 |
| 885-8362-3 | RG-North-20240717 | 101 | 101 | 101 | 101 | 104 | 78 | 84 | 77 |
| MB 320-785897/1-A | Method Blank | 102 | 102 | 102 | 101 | 104 | 87 | 78 | 72 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (25-150) | (25-150) | (25-150) | (25-150) | | | | |
| 885-8362-1 | RG-South-20240719 | 94 | 95 | 82 | 116 | | | | |
| 885-8362-3 | RG-North-20240717 | 88 | 85 | 82 | 102 | | | | |
| MB 320-785897/1-A | Method Blank | 81 | 74 | 67 | 85 | | | | |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

PCB208L = PCB-208L
PCB209L = PCB-209L

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Matrix: Water** **Prep Type: Total/NA**

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB1L | PCB3L | PCB4L | PCB15L | PCB19L | PCB37L | PCB54L | PCB77L |
| Lab Sample ID | Client Sample ID | (15-140) | (15-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-785897/2-A | Lab Control Sample | 72 | 73 | 77 | 87 | 80 | 97 | 86 | 102 |
| LCSD 320-785897/3-A | Lab Control Sample Dup | 73 | 74 | 74 | 88 | 79 | 100 | 84 | 101 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB81L | PCB104L | PCB105L | PCB114L | PCB118L | PCB123L | PCB126L | PCB155L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-785897/2-A | Lab Control Sample | 100 | 77 | 97 | 93 | 92 | 93 | 99 | 73 q |
| LCSD 320-785897/3-A | Lab Control Sample Dup | 103 | 89 | 108 | 105 | 106 | 103 | 110 | 86 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB156L | 156157L | PCB157L | PCB167L | PCB169L | PCB188L | PCB189L | PCB202L |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) | (30-140) |
| LCS 320-785897/2-A | Lab Control Sample | 101 | 101 | 101 | 102 | 103 | 91 | 89 | 83 |
| LCSD 320-785897/3-A | Lab Control Sample Dup | 101 | 101 | 101 | 98 | 104 | 90 | 87 | 78 |

| | | Percent Isotope Dilution Recovery (Acceptance Limits) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | PCB205L | PCB206L | PCB208L | PCB209L | | | | |
| Lab Sample ID | Client Sample ID | (30-140) | (30-140) | (30-140) | (30-140) | | | | |
| LCS 320-785897/2-A | Lab Control Sample | 94 | 92 | 79 | 113 | | | | |
| LCSD 320-785897/3-A | Lab Control Sample Dup | 90 | 88 | 80 | 103 | | | | |

**Surrogate Legend**

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
PCB114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB156L = PCB-156L
156157L = PCB-156L/157L
PCB157L = PCB-157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 860-178534/10**
**Matrix: Water**
**Analysis Batch: 178534**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 07/30/24 23:01 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *63 - 144* | | *07/30/24 23:01* | *1* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *74 - 124* | | *07/30/24 23:01* | *1* |
| *Dibromofluoromethane (Surr)* | *96* | | *75 - 131* | | *07/30/24 23:01* | *1* |
| *Toluene-d8 (Surr)* | *104* | | *80 - 120* | | *07/30/24 23:01* | *1* |

**Lab Sample ID: LCS 860-178534/3**
**Matrix: Water**
**Analysis Batch: 178534**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.104 | | mg/L | | 104 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *106* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *101* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* |

**Lab Sample ID: LCSD 860-178534/4**
**Matrix: Water**
**Analysis Batch: 178534**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.102 | | mg/L | | 102 | 75 - 125 | 2 | 25 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *107* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *100* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *102* | | *80 - 120* |

**Lab Sample ID: MB 860-178618/9**
**Matrix: Water**
**Analysis Batch: 178618**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.010 | 0.0018 | mg/L | | | 07/31/24 11:00 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *63 - 144* | | *07/31/24 11:00* | *1* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *74 - 124* | | *07/31/24 11:00* | *1* |
| *Dibromofluoromethane (Surr)* | *104* | | *75 - 131* | | *07/31/24 11:00* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *80 - 120* | | *07/31/24 11:00* | *1* |

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 860-178618/3**
**Matrix: Water**
**Analysis Batch: 178618**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0827 | | mg/L | | 83 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *95* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *102* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* |

**Lab Sample ID: LCSD 860-178618/4**
**Matrix: Water**
**Analysis Batch: 178618**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0825 | | mg/L | | 82 | 75 - 125 | 0 | 25 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *94* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *103* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* |

**Lab Sample ID: MB 860-178791/9**
**Matrix: Water**
**Analysis Batch: 178791**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.050 | 0.0092 | mg/L | | | 07/31/24 21:40 | 5 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *102* | | *63 - 144* | | *07/31/24 21:40* | *5* |
| *4-Bromofluorobenzene (Surr)* | *98* | | *74 - 124* | | *07/31/24 21:40* | *5* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 131* | | *07/31/24 21:40* | *5* |
| *Toluene-d8 (Surr)* | *100* | | *80 - 120* | | *07/31/24 21:40* | *5* |

**Lab Sample ID: LCS 860-178791/3**
**Matrix: Water**
**Analysis Batch: 178791**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0851 | | mg/L | | 85 | 75 - 125 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *102* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *99* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* |

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 860-178791/4**
**Matrix: Water**
**Analysis Batch: 178791**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | | | 0.100 | 0.0845 | | mg/L | | 85 | 75 - 125 | 1 | 25 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *101* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *104* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *101* | | *80 - 120* |

**Lab Sample ID: 885-8362-1 MS**
**Matrix: Water**
**Analysis Batch: 178791**

**Client Sample ID: RG-South-20240719**
**Prep Type: Total/NA**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Tetrahydrofuran | ND | | 0.100 | 0.0856 | | mg/L | | 86 | 75 - 125 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1,2-Dichloroethane-d4 (Surr)* | *100* | | *63 - 144* |
| *4-Bromofluorobenzene (Surr)* | *100* | | *74 - 124* |
| *Dibromofluoromethane (Surr)* | *98* | | *75 - 131* |
| *Toluene-d8 (Surr)* | *99* | | *80 - 120* |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS)

**Lab Sample ID: MB 860-177360/1-A**
**Matrix: Water**
**Analysis Batch: 177867**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 177360**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | ND | | 0.11 | 0.0095 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Benzo[a]pyrene | ND | | 0.11 | 0.010 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Benzo[b]fluoranthene | ND | | 0.57 | 0.066 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Benzo[k]fluoranthene | ND | | 0.57 | 0.047 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Chrysene | ND | | 0.57 | 0.082 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Dibenz(a,h)anthracene | ND | | 0.11 | 0.051 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Dibenzofuran | ND | | 0.57 | 0.11 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Indeno[1,2,3-cd]pyrene | ND | | 0.57 | 0.10 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Bis(2-ethylhexyl) phthalate | ND | | 2.9 | 1.4 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |
| Pentachlorophenol | ND | | 1.1 | 1.0 | ug/L | | 07/24/24 14:59 | 07/26/24 18:26 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *116* | | *43 - 130* | *07/24/24 14:59* | *07/26/24 18:26* | *1* |
| *Nitrobenzene-d5 (Surr)* | *128* | | *37 - 133* | *07/24/24 14:59* | *07/26/24 18:26* | *1* |
| *p-Terphenyl-d14 (Surr)* | *124* | | *47 - 130* | *07/24/24 14:59* | *07/26/24 18:26* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *85* | | *35 - 130* | *07/24/24 14:59* | *07/26/24 18:26* | *1* |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

**Lab Sample ID: MB 860-177360/1-A**
**Matrix: Water**
**Analysis Batch: 179169**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 177360**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzidine | ND | | 1.1 | 0.090 | ug/L | | 07/24/24 14:59 | 08/02/24 18:06 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *2-Fluorobiphenyl* | *111* | | *43 - 130* | *07/24/24 14:59* | *08/02/24 18:06* | *1* |
| *Nitrobenzene-d5 (Surr)* | *130* | | *37 - 133* | *07/24/24 14:59* | *08/02/24 18:06* | *1* |
| *p-Terphenyl-d14 (Surr)* | *103* | | *47 - 130* | *07/24/24 14:59* | *08/02/24 18:06* | *1* |
| *2,4,6-Tribromophenol (Surr)* | *128* | | *35 - 130* | *07/24/24 14:59* | *08/02/24 18:06* | *1* |

**Lab Sample ID: LCS 860-177360/2-A**
**Matrix: Water**
**Analysis Batch: 177867**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 177360**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | 2.86 | 3.70 | | ug/L | | 129 | 42 - 133 |
| Benzo[a]pyrene | 2.86 | 3.20 | | ug/L | | 112 | 32 - 148 |
| Benzo[b]fluoranthene | 2.86 | 3.74 | | ug/L | | 131 | 42 - 140 |
| Benzo[k]fluoranthene | 2.86 | 3.60 | | ug/L | | 126 | 25 - 146 |
| Chrysene | 2.86 | 3.71 | | ug/L | | 130 | 47 - 130 |
| Dibenz(a,h)anthracene | 2.86 | 3.34 | | ug/L | | 117 | 32 - 200 |
| Dibenzofuran | 2.86 | 2.83 | | ug/L | | 99 | 48 - 130 |
| Indeno[1,2,3-cd]pyrene | 2.86 | 3.12 | | ug/L | | 109 | 29 - 151 |
| Bis(2-ethylhexyl) phthalate | 2.86 | 2.96 | | ug/L | | 103 | 29 - 137 |
| Pentachlorophenol | 2.86 | 1.75 | | ug/L | | 61 | 38 - 152 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *99* | | *43 - 130* |
| *Nitrobenzene-d5 (Surr)* | *117* | | *37 - 133* |
| *p-Terphenyl-d14 (Surr)* | *112* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *81* | | *35 - 130* |

**Lab Sample ID: LCS 860-177360/2-A**
**Matrix: Water**
**Analysis Batch: 179169**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 177360**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzidine | 2.86 | 0.904 | J | ug/L | | 32 | 11 - 110 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *95* | | *43 - 130* |
| *Nitrobenzene-d5 (Surr)* | *114* | | *37 - 133* |
| *p-Terphenyl-d14 (Surr)* | *91* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *125* | | *35 - 130* |

## Method: 625.1 - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

**Lab Sample ID: LCSD 860-177360/3-A**
**Matrix: Water**
**Analysis Batch: 177867**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 177360**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzo[a]anthracene | | | 2.86 | 3.59 | | ug/L | | 126 | 42 - 133 | 3 | 30 |
| Benzo[a]pyrene | | | 2.86 | 3.09 | | ug/L | | 108 | 32 - 148 | 4 | 30 |
| Benzo[b]fluoranthene | | | 2.86 | 3.55 | | ug/L | | 124 | 42 - 140 | 5 | 30 |
| Benzo[k]fluoranthene | | | 2.86 | 3.41 | | ug/L | | 119 | 25 - 146 | 5 | 30 |
| Chrysene | | | 2.86 | 3.46 | | ug/L | | 121 | 47 - 130 | 7 | 30 |
| Dibenz(a,h)anthracene | | | 2.86 | 3.15 | | ug/L | | 110 | 32 - 200 | 6 | 30 |
| Dibenzofuran | | | 2.86 | 2.80 | | ug/L | | 98 | 48 - 130 | 1 | 30 |
| Indeno[1,2,3-cd]pyrene | | | 2.86 | 2.93 | | ug/L | | 103 | 29 - 151 | 6 | 30 |
| Bis(2-ethylhexyl) phthalate | | | 2.86 | 2.83 | J | ug/L | | 99 | 29 - 137 | 5 | 30 |
| Pentachlorophenol | | | 2.86 | 1.76 | | ug/L | | 61 | 38 - 152 | 0 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *103* | | *43 - 130* |
| *Nitrobenzene-d5 (Surr)* | *123* | | *37 - 133* |
| *p-Terphenyl-d14 (Surr)* | *111* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *85* | | *35 - 130* |

**Lab Sample ID: LCSD 860-177360/3-A**
**Matrix: Water**
**Analysis Batch: 179169**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 177360**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzidine | | | 2.86 | 0.915 | J | ug/L | | 32 | 11 - 110 | 1 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *2-Fluorobiphenyl* | *100* | | *43 - 130* |
| *Nitrobenzene-d5 (Surr)* | *119* | | *37 - 133* |
| *p-Terphenyl-d14 (Surr)* | *91* | | *47 - 130* |
| *2,4,6-Tribromophenol (Surr)* | *116* | | *35 - 130* |

## Method: 608.3 - Organochlorine Pesticides/PCBs in Water

**Lab Sample ID: MB 860-177123/1-A**
**Matrix: Water**
**Analysis Batch: 177230**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 177123**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | ND | | 0.000050 | 0.000017 | mg/L | | 07/23/24 14:51 | 07/24/24 10:02 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *85* | | *45 - 115* | *07/23/24 14:51* | *07/24/24 10:02* | *1* |
| *Tetrachloro-m-xylene* | *111* | *S1+* | *41 - 110* | *07/23/24 14:51* | *07/24/24 10:02* | *1* |

## Method: 608.3 - Organochlorine Pesticides/PCBs in Water (Continued)

**Lab Sample ID: LCS 860-177123/2-A**
**Matrix: Water**
**Analysis Batch: 177230**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 177123**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | 0.00125 | 0.00124 | | mg/L | | 99 | 57 - 107 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *77* | | *45 - 115* |
| *Tetrachloro-m-xylene* | *98* | | *41 - 110* |

**Lab Sample ID: LCSD 860-177123/3-A**
**Matrix: Water**
**Analysis Batch: 177230**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 177123**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dieldrin | | | 0.00125 | 0.00128 | | mg/L | | 102 | 57 - 107 | 3 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *DCB Decachlorobiphenyl (Surr)* | *78* | | *45 - 115* |
| *Tetrachloro-m-xylene* | *99* | | *41 - 110* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-8830/4**
**Matrix: Water**
**Analysis Batch: 8830**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate | ND | | 0.10 | 0.020 | mg/L | | | 07/19/24 18:20 | 1 |
| Nitrite | ND | | 0.10 | 0.012 | mg/L | | | 07/19/24 18:20 | 1 |

**Lab Sample ID: LCS 885-8830/5**
**Matrix: Water**
**Analysis Batch: 8830**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate | | | 2.50 | 2.48 | | mg/L | | 99 | 90 - 110 | | |
| Nitrite | | | 1.00 | 0.957 | | mg/L | | 96 | 90 - 110 | | |

**Lab Sample ID: MRL 885-8830/3**
**Matrix: Water**
**Analysis Batch: 8830**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate | | | 0.100 | 0.0904 | J | mg/L | | 90 | 50 - 150 | | |
| Nitrite | | | 0.0999 | 0.0965 | J | mg/L | | 97 | 50 - 150 | | |

**Lab Sample ID: MB 885-9150/9**
**Matrix: Water**
**Analysis Batch: 9150**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | ND | | 0.20 | 0.022 | mg/L | | | 07/24/24 09:18 | 1 |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: LCS 885-9150/10**
**Matrix: Water**
**Analysis Batch: 9150**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate as N | 2.50 | 2.50 | | mg/L | | 100 | 90 - 110 |
| Nitrite as N | 1.00 | 0.941 | | mg/L | | 94 | 90 - 110 |

**Lab Sample ID: MRL 885-9150/8**
**Matrix: Water**
**Analysis Batch: 9150**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.100 | 0.0972 | J | mg/L | | 97 | 50 - 150 |
| Nitrite as N | 0.0999 | 0.0989 | J | mg/L | | 99 | 50 - 150 |

**Lab Sample ID: MB 885-9313/27**
**Matrix: Water**
**Analysis Batch: 9313**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | ND | | 0.20 | 0.022 | mg/L | | | 07/26/24 07:48 | 1 |

**Lab Sample ID: MB 885-9313/90**
**Matrix: Water**
**Analysis Batch: 9313**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate Nitrite as N | ND | | 0.20 | 0.022 | mg/L | | | 07/26/24 21:07 | 1 |

**Lab Sample ID: LCS 885-9313/91**
**Matrix: Water**
**Analysis Batch: 9313**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate as N | 2.50 | 2.45 | | mg/L | | 98 | 90 - 110 |
| Nitrite as N | 1.00 | 0.929 | | mg/L | | 93 | 90 - 110 |

**Lab Sample ID: MRL 885-9313/23**
**Matrix: Water**
**Analysis Batch: 9313**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.100 | 0.0968 | J | mg/L | | 97 | 50 - 150 |
| Nitrite as N | 0.0999 | 0.103 | | mg/L | | 103 | 50 - 150 |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

**Lab Sample ID: MB 320-783394/1-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluoroheptanoic acid (PFHpA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

**Lab Sample ID: MB 320-783394/1-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctanoic acid (PFOA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorononanoic acid (PFNA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorodecanoic acid (PFDA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluoroundecanoic acid (PFUnA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorododecanoic acid (PFDoA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorotridecanoic acid (PFTrDA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorotetradecanoic acid (PFTA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorobutanesulfonic acid (PFBS) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorohexanesulfonic acid (PFHxS) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Perfluorooctanesulfonic acid (PFOS) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | | 0.0020 | 0.00050 | ug/L | | 07/24/24 05:30 | 07/27/24 10:46 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *13C2 PFHxA* | *94* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 10:46* | *1* |
| *13C2 PFDA* | *101* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 10:46* | *1* |
| *d5-NEtFOSAA* | *84* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 10:46* | *1* |
| *13C3 HFPO-DA* | *91* | | *70 - 130* | *07/24/24 05:30* | *07/27/24 10:46* | *1* |

**Lab Sample ID: LCS 320-783394/3-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | 0.160 | 0.156 | | ug/L | | 97 | 70 - 130 |
| Perfluoroheptanoic acid (PFHpA) | 0.160 | 0.164 | | ug/L | | 102 | 70 - 130 |
| Perfluorooctanoic acid (PFOA) | 0.160 | 0.165 | | ug/L | | 103 | 70 - 130 |
| Perfluorononanoic acid (PFNA) | 0.160 | 0.169 | | ug/L | | 106 | 70 - 130 |
| Perfluorodecanoic acid (PFDA) | 0.160 | 0.165 | | ug/L | | 103 | 70 - 130 |
| Perfluoroundecanoic acid (PFUnA) | 0.160 | 0.165 | | ug/L | | 103 | 70 - 130 |
| Perfluorododecanoic acid (PFDoA) | 0.160 | 0.165 | | ug/L | | 103 | 70 - 130 |
| Perfluorotridecanoic acid (PFTrDA) | 0.160 | 0.162 | | ug/L | | 102 | 70 - 130 |
| Perfluorotetradecanoic acid (PFTA) | 0.160 | 0.178 | | ug/L | | 112 | 70 - 130 |
| Perfluorobutanesulfonic acid (PFBS) | 0.142 | 0.150 | | ug/L | | 106 | 70 - 130 |
| Perfluorohexanesulfonic acid (PFHxS) | 0.146 | 0.155 | | ug/L | | 106 | 70 - 130 |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

**Lab Sample ID: LCS 320-783394/3-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorooctanesulfonic acid (PFOS) | | | 0.149 | 0.161 | | ug/L | | 108 | 70 - 130 | | |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | 0.160 | 0.154 | | ug/L | | 96 | 70 - 130 | | |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | 0.160 | 0.149 | | ug/L | | 93 | 70 - 130 | | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | | | 0.149 | 0.150 | | ug/L | | 100 | 70 - 130 | | |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | 0.151 | 0.156 | | ug/L | | 103 | 70 - 130 | | |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | | | 0.160 | 0.150 | | ug/L | | 94 | 70 - 130 | | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | | | 0.151 | 0.150 | | ug/L | | 99 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C2 PFHxA* | *93* | | *70 - 130* |
| *13C2 PFDA* | *98* | | *70 - 130* |
| *d5-NEtFOSAA* | *81* | | *70 - 130* |
| *13C3 HFPO-DA* | *88* | | *70 - 130* |

**Lab Sample ID: LCSD 320-783394/4-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | | | 0.160 | 0.156 | | ug/L | | 98 | 70 - 130 | 0 | 30 |
| Perfluoroheptanoic acid (PFHpA) | | | 0.160 | 0.164 | | ug/L | | 103 | 70 - 130 | 0 | 30 |
| Perfluorooctanoic acid (PFOA) | | | 0.160 | 0.165 | | ug/L | | 103 | 70 - 130 | 0 | 30 |
| Perfluorononanoic acid (PFNA) | | | 0.160 | 0.170 | | ug/L | | 107 | 70 - 130 | 1 | 30 |
| Perfluorodecanoic acid (PFDA) | | | 0.160 | 0.167 | | ug/L | | 104 | 70 - 130 | 1 | 30 |
| Perfluoroundecanoic acid (PFUnA) | | | 0.160 | 0.167 | | ug/L | | 104 | 70 - 130 | 1 | 30 |
| Perfluorododecanoic acid (PFDoA) | | | 0.160 | 0.160 | | ug/L | | 100 | 70 - 130 | 3 | 30 |
| Perfluorotridecanoic acid (PFTrDA) | | | 0.160 | 0.161 | | ug/L | | 101 | 70 - 130 | 1 | 30 |
| Perfluorotetradecanoic acid (PFTA) | | | 0.160 | 0.174 | | ug/L | | 109 | 70 - 130 | 2 | 30 |
| Perfluorobutanesulfonic acid (PFBS) | | | 0.142 | 0.159 | | ug/L | | 112 | 70 - 130 | 6 | 30 |
| Perfluorohexanesulfonic acid (PFHxS) | | | 0.146 | 0.144 | | ug/L | | 99 | 70 - 130 | 7 | 30 |
| Perfluorooctanesulfonic acid (PFOS) | | | 0.149 | 0.153 | | ug/L | | 103 | 70 - 130 | 5 | 30 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | 0.160 | 0.159 | | ug/L | | 100 | 70 - 130 | 3 | 30 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | 0.160 | 0.157 | | ug/L | | 98 | 70 - 130 | 6 | 30 |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

**Lab Sample ID: LCSD 320-783394/4-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | | | 0.149 | 0.144 | | ug/L | | 96 | 70 - 130 | 4 | 30 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | 0.151 | 0.151 | | ug/L | | 100 | 70 - 130 | 3 | 30 |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | | | 0.160 | 0.154 | | ug/L | | 96 | 70 - 130 | 3 | 30 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | | | 0.151 | 0.155 | | ug/L | | 102 | 70 - 130 | 3 | 30 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *13C2 PFHxA* | *96* | | *70 - 130* |
| *13C2 PFDA* | *100* | | *70 - 130* |
| *d5-NEtFOSAA* | *86* | | *70 - 130* |
| *13C3 HFPO-DA* | *93* | | *70 - 130* |

**Lab Sample ID: LLCS 320-783394/2-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Perfluorohexanoic acid (PFHxA) | | | 0.00400 | 0.00420 | | ug/L | | 105 | 50 - 150 |
| Perfluoroheptanoic acid (PFHpA) | | | 0.00400 | 0.00437 | | ug/L | | 109 | 50 - 150 |
| Perfluorooctanoic acid (PFOA) | | | 0.00400 | 0.00413 | | ug/L | | 103 | 50 - 150 |
| Perfluorononanoic acid (PFNA) | | | 0.00400 | 0.00448 | | ug/L | | 112 | 50 - 150 |
| Perfluorodecanoic acid (PFDA) | | | 0.00400 | 0.00442 | | ug/L | | 111 | 50 - 150 |
| Perfluoroundecanoic acid (PFUnA) | | | 0.00400 | 0.00434 | | ug/L | | 108 | 50 - 150 |
| Perfluorododecanoic acid (PFDoA) | | | 0.00400 | 0.00429 | | ug/L | | 107 | 50 - 150 |
| Perfluorotridecanoic acid (PFTrDA) | | | 0.00400 | 0.00425 | | ug/L | | 106 | 50 - 150 |
| Perfluorotetradecanoic acid (PFTA) | | | 0.00400 | 0.00475 | | ug/L | | 119 | 50 - 150 |
| Perfluorobutanesulfonic acid (PFBS) | | | 0.00355 | 0.00336 | | ug/L | | 95 | 50 - 150 |
| Perfluorohexanesulfonic acid (PFHxS) | | | 0.00365 | 0.00402 | | ug/L | | 110 | 50 - 150 |
| Perfluorooctanesulfonic acid (PFOS) | | | 0.00372 | 0.00426 | | ug/L | | 114 | 50 - 150 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | 0.00400 | 0.00408 | | ug/L | | 102 | 50 - 150 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | 0.00400 | 0.00385 | | ug/L | | 96 | 50 - 150 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | | | 0.00374 | 0.00373 | | ug/L | | 100 | 50 - 150 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | 0.00378 | 0.00404 | | ug/L | | 107 | 50 - 150 |
| Hexafluoropropylene oxide dimer acid (HFPO DA) | | | 0.00400 | 0.00404 | | ug/L | | 101 | 50 - 150 |

## Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

**Lab Sample ID: LLCS 320-783394/2-A**
**Matrix: Water**
**Analysis Batch: 785401**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 783394**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | | | 0.00378 | 0.00400 | | ug/L | | 106 | 50 - 150 | | |

| *Surrogate* | *LLCS %Recovery* | *LLCS Qualifier* | *Limits* |
|---|---|---|---|
| *13C2 PFHxA* | *96* | | *70 - 130* |
| *13C2 PFDA* | *101* | | *70 - 130* |
| *d5-NEtFOSAA* | *85* | | *70 - 130* |
| *13C3 HFPO-DA* | *91* | | *70 - 130* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS)

**Lab Sample ID: MB 320-785897/1-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | ND | | 20 | 1.4 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-2 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-3 | ND | | 60 | 1.4 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-4 | ND | | 40 | 6.0 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-5 | ND | | 200 | 8.1 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-6 | ND | | 200 | 7.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-7 | ND | | 200 | 7.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-8 | ND | | 200 | 7.0 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-9 | ND | | 200 | 7.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-10 | ND | | 200 | 4.2 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-11 | ND | | 200 | 8.1 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-12 | ND | | 400 | 8.1 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-13 | ND | | 400 | 8.1 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-14 | ND | | 200 | 7.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-15 | ND | | 40 | 6.5 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-16 | ND | | 200 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-17 | ND | | 200 | 2.4 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-18 | ND | | 400 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-19 | ND | | 20 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-20 | ND | | 400 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-21 | ND | | 400 | 2.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-22 | ND | | 200 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-23 | ND | | 200 | 2.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-24 | ND | | 200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-25 | ND | | 200 | 2.5 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-26 | ND | | 400 | 2.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-27 | ND | | 200 | 1.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-28 | ND | | 400 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-29 | ND | | 400 | 2.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-30 | ND | | 400 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-31 | ND | | 200 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-32 | ND | | 200 | 1.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-33 | ND | | 400 | 2.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-785897/1-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-34 | ND | | 200 | 2.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-35 | ND | | 200 | 2.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-36 | ND | | 200 | 2.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-37 | ND | | 20 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-38 | ND | | 200 | 2.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-39 | ND | | 200 | 2.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-40 | ND | | 400 | 0.68 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-41 | ND | | 200 | 0.92 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-42 | ND | | 200 | 0.76 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-43 | ND | | 200 | 0.77 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-44 | 4.10 | J q | 600 | 0.66 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-45 | ND | | 400 | 0.75 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-46 | ND | | 200 | 0.91 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-47 | 4.10 | J q | 600 | 0.66 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-48 | ND | | 200 | 0.77 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-49 | ND | | 400 | 0.61 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-50 | ND | | 400 | 0.75 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-51 | ND | | 400 | 0.75 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-52 | ND | | 200 | 0.67 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-53 | ND | | 400 | 0.75 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-54 | ND | | 20 | 0.32 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-55 | ND | | 200 | 0.74 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-56 | ND | | 200 | 0.76 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-57 | ND | | 200 | 0.85 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-58 | ND | | 200 | 0.69 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-59 | ND | | 600 | 0.56 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-60 | ND | | 200 | 0.85 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-61 | ND | | 800 | 0.78 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-62 | ND | | 600 | 0.56 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-63 | ND | | 200 | 0.89 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-64 | ND | | 200 | 0.57 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-65 | 4.10 | J q | 600 | 0.66 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-66 | ND | | 200 | 0.75 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-67 | ND | | 200 | 0.72 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-68 | ND | | 200 | 0.75 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-69 | ND | | 400 | 0.61 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-70 | ND | | 800 | 0.78 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-71 | ND | | 400 | 0.68 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-72 | ND | | 200 | 0.86 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-73 | ND | | 200 | 0.51 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-74 | ND | | 800 | 0.78 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-75 | ND | | 600 | 0.56 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-76 | ND | | 800 | 0.78 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-77 | ND | | 20 | 1.0 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-78 | ND | | 200 | 0.86 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-79 | ND | | 200 | 0.75 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-80 | ND | | 200 | 0.73 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-81 | ND | | 20 | 1.0 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-82 | ND | | 200 | 2.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-785897/1-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-83 | ND | | 400 | 2.1 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-84 | ND | | 200 | 2.5 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-85 | ND | | 600 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-86 | ND | | 1200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-87 | ND | | 1200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-88 | ND | | 400 | 2.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-89 | ND | | 200 | 2.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-90 | ND | | 600 | 1.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-91 | ND | | 400 | 2.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-92 | ND | | 200 | 2.2 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-93 | ND | | 400 | 2.2 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-94 | ND | | 200 | 2.4 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-95 | ND | | 200 | 2.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-96 | ND | | 200 | 0.78 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-97 | ND | | 1200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-98 | ND | | 400 | 2.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-99 | ND | | 400 | 2.1 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-100 | ND | | 400 | 2.2 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-101 | ND | | 600 | 1.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-102 | ND | | 400 | 2.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-103 | ND | | 200 | 2.1 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-104 | ND | | 20 | 0.64 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-105 | ND | | 20 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-106 | ND | | 200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-107 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-108 | ND | | 400 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-109 | ND | | 1200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-110 | ND | | 400 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-111 | ND | | 200 | 1.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-112 | ND | | 200 | 1.4 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-113 | ND | | 600 | 1.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-114 | ND | | 20 | 1.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-115 | ND | | 400 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-116 | ND | | 600 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-117 | ND | | 600 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-118 | ND | | 20 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-119 | ND | | 1200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-120 | ND | | 200 | 1.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-121 | ND | | 200 | 1.4 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-122 | ND | | 200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-123 | ND | | 20 | 2.0 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-124 | ND | | 400 | 1.7 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-125 | ND | | 1200 | 1.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-126 | ND | | 20 | 1.9 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-127 | ND | | 200 | 1.6 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-128 | ND | | 400 | 0.48 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-129 | ND | | 800 | 0.49 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-130 | ND | | 200 | 0.63 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-131 | ND | | 200 | 0.59 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-785897/1-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-132 | ND | | 200 | 0.60 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-133 | ND | | 200 | 0.61 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-134 | ND | | 400 | 0.60 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-135 | ND | | 400 | 0.54 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-136 | ND | | 200 | 0.41 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-137 | ND | | 200 | 0.48 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-138 | ND | | 800 | 0.49 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-139 | ND | | 400 | 0.54 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-140 | ND | | 400 | 0.54 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-141 | ND | | 200 | 0.62 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-142 | ND | | 200 | 0.65 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-143 | ND | | 400 | 0.60 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-144 | ND | | 200 | 0.52 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-145 | ND | | 200 | 0.42 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-146 | ND | | 200 | 0.42 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-147 | ND | | 400 | 0.51 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-148 | ND | | 200 | 0.54 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-149 | ND | | 400 | 0.51 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-150 | ND | | 200 | 0.43 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-151 | ND | | 400 | 0.54 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-152 | ND | | 200 | 0.41 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-153 | ND | | 400 | 0.40 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-154 | ND | | 200 | 0.53 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-155 | ND | | 20 | 0.38 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-156 | ND | | 40 | 0.43 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-157 | ND | | 40 | 0.43 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-158 | ND | | 200 | 0.39 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-159 | ND | | 200 | 0.27 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-160 | ND | | 800 | 0.49 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-161 | ND | | 200 | 0.50 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-162 | ND | | 200 | 0.32 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-163 | ND | | 800 | 0.49 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-164 | ND | | 200 | 0.55 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-165 | ND | | 200 | 0.44 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-166 | ND | | 400 | 0.48 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-167 | ND | | 20 | 0.28 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-168 | ND | | 400 | 0.40 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-169 | ND | | 20 | 0.33 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-170 | ND | | 200 | 0.46 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-171 | ND | | 400 | 0.47 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-172 | ND | | 200 | 0.48 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-173 | ND | | 400 | 0.47 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-174 | ND | | 200 | 0.49 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-175 | ND | | 200 | 0.38 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-176 | ND | | 200 | 0.30 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-177 | ND | | 200 | 0.42 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-178 | ND | | 200 | 0.40 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-179 | ND | | 200 | 0.26 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-180 | ND | | 400 | 0.37 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-785897/1-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | MB Result | MB Qualifier | RL | EDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| PCB-181 | ND | | 200 | 0.44 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-182 | ND | | 200 | 0.39 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-183 | ND | | 200 | 0.36 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-184 | ND | | 200 | 0.27 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-185 | ND | | 200 | 0.48 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-186 | ND | | 200 | 0.24 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-187 | ND | | 200 | 0.31 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-188 | ND | | 20 | 0.23 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-189 | ND | | 20 | 0.39 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-190 | ND | | 200 | 0.31 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-191 | ND | | 200 | 0.33 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-192 | ND | | 200 | 0.33 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-193 | ND | | 400 | 0.37 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-194 | ND | | 200 | 0.37 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-195 | ND | | 200 | 0.41 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-196 | ND | | 200 | 0.38 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-197 | ND | | 200 | 0.25 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-198 | ND | | 400 | 0.36 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-199 | ND | | 400 | 0.36 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-200 | ND | | 200 | 0.34 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-201 | ND | | 200 | 0.29 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-202 | ND | | 20 | 0.24 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-203 | ND | | 200 | 0.34 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-204 | ND | | 200 | 0.29 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-205 | ND | | 20 | 0.45 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-206 | ND | | 20 | 6.8 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-207 | ND | | 200 | 4.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-208 | ND | | 20 | 4.3 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-209 | ND | | 20 | 0.35 | pg/L | | 07/30/24 09:05 | 08/02/24 01:13 | 1 |

| *Isotope Dilution* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *PCB-1L* | *80* | | *15 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-3L* | *79* | | *15 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-4L* | *84* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-15L* | *92* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-19L* | *85* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-37L* | *105* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-54L* | *96* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-77L* | *104* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-81L* | *104* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-104L* | *83* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-105L* | *95* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-114L* | *93* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-118L* | *92* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-123L* | *92* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-126L* | *98* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-155L* | *84* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-156L* | *102* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |
| *PCB-156L/157L* | *102* | | *25 - 150* | *07/30/24 09:05* | *08/02/24 01:13* | *1* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: MB 320-785897/1-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Isotope Dilution | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-157L | 102 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-167L | 101 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-169L | 104 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-188L | 87 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-189L | 78 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-202L | 72 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-205L | 81 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-206L | 74 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-208L | 67 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-209L | 85 | | 25 - 150 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| PCB-28L | 104 | | 30 - 135 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-111L | 102 | | 30 - 135 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |
| PCB-178L | 132 | | 30 - 135 | 07/30/24 09:05 | 08/02/24 01:13 | 1 |

**Lab Sample ID: LCS 320-785897/2-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| PCB-1 | 2000 | 2210 | | pg/L | | 110 | 50 - 150 |
| PCB-3 | 2000 | 2100 | | pg/L | | 105 | 50 - 150 |
| PCB-4 | 2000 | 1800 | | pg/L | | 90 | 50 - 150 |
| PCB-15 | 2000 | 1740 | | pg/L | | 87 | 50 - 150 |
| PCB-19 | 2000 | 1700 | | pg/L | | 85 | 50 - 150 |
| PCB-37 | 2000 | 1880 | | pg/L | | 94 | 50 - 150 |
| PCB-54 | 2000 | 1690 | | pg/L | | 85 | 50 - 150 |
| PCB-77 | 2000 | 2020 | | pg/L | | 101 | 50 - 150 |
| PCB-81 | 2000 | 2110 | | pg/L | | 106 | 50 - 150 |
| PCB-104 | 2000 | 2340 | | pg/L | | 117 | 50 - 150 |
| PCB-105 | 2000 | 1780 | | pg/L | | 89 | 50 - 150 |
| PCB-114 | 2000 | 2180 | | pg/L | | 109 | 50 - 150 |
| PCB-118 | 2000 | 2000 | | pg/L | | 100 | 50 - 150 |
| PCB-123 | 2000 | 2180 | | pg/L | | 109 | 50 - 150 |
| PCB-126 | 2000 | 2020 | | pg/L | | 101 | 50 - 150 |
| PCB-155 | 2000 | 2380 | | pg/L | | 119 | 50 - 150 |
| PCB-156 | 4000 | 3630 | | pg/L | | 91 | 50 - 150 |
| PCB-157 | 4000 | 3630 | | pg/L | | 91 | 50 - 150 |
| PCB-167 | 2000 | 1810 | | pg/L | | 90 | 50 - 150 |
| PCB-169 | 2000 | 1780 | | pg/L | | 89 | 50 - 150 |
| PCB-188 | 2000 | 1740 | | pg/L | | 87 | 50 - 150 |
| PCB-189 | 2000 | 1850 | | pg/L | | 92 | 50 - 150 |
| PCB-202 | 2000 | 1670 | | pg/L | | 83 | 50 - 150 |
| PCB-205 | 2000 | 1940 | | pg/L | | 97 | 50 - 150 |
| PCB-206 | 2000 | 1630 | | pg/L | | 81 | 50 - 150 |
| PCB-208 | 2000 | 1890 | | pg/L | | 95 | 50 - 150 |
| PCB-209 | 2000 | 1630 | | pg/L | | 81 | 50 - 150 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-1L | 72 | | 15 - 140 |
| PCB-3L | 73 | | 15 - 140 |
| PCB-4L | 77 | | 30 - 140 |
| PCB-15L | 87 | | 30 - 140 |
| PCB-19L | 80 | | 30 - 140 |
| PCB-37L | 97 | | 30 - 140 |
| PCB-54L | 86 | | 30 - 140 |
| PCB-77L | 102 | | 30 - 140 |
| PCB-81L | 100 | | 30 - 140 |
| PCB-104L | 77 | | 30 - 140 |
| PCB-105L | 97 | | 30 - 140 |
| PCB-114L | 93 | | 30 - 140 |
| PCB-118L | 92 | | 30 - 140 |
| PCB-123L | 93 | | 30 - 140 |
| PCB-126L | 99 | | 30 - 140 |
| PCB-155L | 73 | q | 30 - 140 |
| PCB-156L | 101 | | 30 - 140 |
| PCB-156L/157L | 101 | | 30 - 140 |
| PCB-157L | 101 | | 30 - 140 |
| PCB-167L | 102 | | 30 - 140 |
| PCB-169L | 103 | | 30 - 140 |
| PCB-188L | 91 | | 30 - 140 |
| PCB-189L | 89 | | 30 - 140 |
| PCB-202L | 83 | | 30 - 140 |
| PCB-205L | 94 | | 30 - 140 |
| PCB-206L | 92 | | 30 - 140 |
| PCB-208L | 79 | | 30 - 140 |
| PCB-209L | 113 | | 30 - 140 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| PCB-28L | 104 | | 40 - 125 |
| PCB-111L | 102 | | 40 - 125 |
| PCB-178L | 124 | | 40 - 125 |

**Lab Sample ID: LCSD 320-785897/3-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1 | | | 2000 | 2180 | | pg/L | | 109 | 50 - 150 | 1 | 50 |
| PCB-3 | | | 2000 | 2090 | | pg/L | | 104 | 50 - 150 | 1 | 50 |
| PCB-4 | | | 2000 | 1850 | | pg/L | | 93 | 50 - 150 | 3 | 50 |
| PCB-15 | | | 2000 | 1780 | | pg/L | | 89 | 50 - 150 | 2 | 50 |
| PCB-19 | | | 2000 | 1730 | | pg/L | | 87 | 50 - 150 | 2 | 50 |
| PCB-37 | | | 2000 | 1840 | | pg/L | | 92 | 50 - 150 | 2 | 50 |
| PCB-54 | | | 2000 | 1740 | | pg/L | | 87 | 50 - 150 | 2 | 50 |
| PCB-77 | | | 2000 | 1970 | | pg/L | | 98 | 50 - 150 | 3 | 50 |
| PCB-81 | | | 2000 | 2060 | | pg/L | | 103 | 50 - 150 | 2 | 50 |
| PCB-104 | | | 2000 | 2320 | | pg/L | | 116 | 50 - 150 | 1 | 50 |
| PCB-105 | | | 2000 | 1730 | | pg/L | | 86 | 50 - 150 | 3 | 50 |
| PCB-114 | | | 2000 | 2110 | | pg/L | | 105 | 50 - 150 | 3 | 50 |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCSD 320-785897/3-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-118 | | | 2000 | 1910 | | pg/L | | 95 | 50 - 150 | 5 | 50 |
| PCB-123 | | | 2000 | 2190 | | pg/L | | 109 | 50 - 150 | 0 | 50 |
| PCB-126 | | | 2000 | 2010 | | pg/L | | 101 | 50 - 150 | 0 | 50 |
| PCB-155 | | | 2000 | 2020 | | pg/L | | 101 | 50 - 150 | 17 | 50 |
| PCB-156 | | | 4000 | 3600 | | pg/L | | 90 | 50 - 150 | 1 | 50 |
| PCB-157 | | | 4000 | 3600 | | pg/L | | 90 | 50 - 150 | 1 | 50 |
| PCB-167 | | | 2000 | 1860 | | pg/L | | 93 | 50 - 150 | 3 | 50 |
| PCB-169 | | | 2000 | 1740 | | pg/L | | 87 | 50 - 150 | 2 | 50 |
| PCB-188 | | | 2000 | 1750 | | pg/L | | 88 | 50 - 150 | 1 | 50 |
| PCB-189 | | | 2000 | 1860 | | pg/L | | 93 | 50 - 150 | 1 | 50 |
| PCB-202 | | | 2000 | 1700 | | pg/L | | 85 | 50 - 150 | 2 | 50 |
| PCB-205 | | | 2000 | 1910 | | pg/L | | 96 | 50 - 150 | 1 | 50 |
| PCB-206 | | | 2000 | 1650 | | pg/L | | 83 | 50 - 150 | 2 | 50 |
| PCB-208 | | | 2000 | 1770 | | pg/L | | 88 | 50 - 150 | 7 | 50 |
| PCB-209 | | | 2000 | 1670 | | pg/L | | 84 | 50 - 150 | 3 | 50 |

| *Isotope Dilution* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-1L* | *73* | | *15 - 140* |
| *PCB-3L* | *74* | | *15 - 140* |
| *PCB-4L* | *74* | | *30 - 140* |
| *PCB-15L* | *88* | | *30 - 140* |
| *PCB-19L* | *79* | | *30 - 140* |
| *PCB-37L* | *100* | | *30 - 140* |
| *PCB-54L* | *84* | | *30 - 140* |
| *PCB-77L* | *101* | | *30 - 140* |
| *PCB-81L* | *103* | | *30 - 140* |
| *PCB-104L* | *89* | | *30 - 140* |
| *PCB-105L* | *108* | | *30 - 140* |
| *PCB-114L* | *105* | | *30 - 140* |
| *PCB-118L* | *106* | | *30 - 140* |
| *PCB-123L* | *103* | | *30 - 140* |
| *PCB-126L* | *110* | | *30 - 140* |
| *PCB-155L* | *86* | | *30 - 140* |
| *PCB-156L* | *101* | | *30 - 140* |
| *PCB-156L/157L* | *101* | | *30 - 140* |
| *PCB-157L* | *101* | | *30 - 140* |
| *PCB-167L* | *98* | | *30 - 140* |
| *PCB-169L* | *104* | | *30 - 140* |
| *PCB-188L* | *90* | | *30 - 140* |
| *PCB-189L* | *87* | | *30 - 140* |
| *PCB-202L* | *78* | | *30 - 140* |
| *PCB-205L* | *90* | | *30 - 140* |
| *PCB-206L* | *88* | | *30 - 140* |
| *PCB-208L* | *80* | | *30 - 140* |
| *PCB-209L* | *103* | | *30 - 140* |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-28L* | *103* | | *40 - 125* |

## Method: 1668A - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

**Lab Sample ID: LCSD 320-785897/3-A**
**Matrix: Water**
**Analysis Batch: 786998**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 785897**

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *PCB-111L* | *109* | | *40 - 125* |
| *PCB-178L* | *120* | | *40 - 125* |

## Method: 200.7 Rev 4.4 - Metals (ICP)

**Lab Sample ID: MRL 885-9069/15**
**Matrix: Water**
**Analysis Batch: 9069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | | | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | | | 0.500 | 0.459 | J | mg/L | | 92 | 50 - 150 | | |
| Magnesium | | | 0.500 | 0.479 | J | mg/L | | 96 | 50 - 150 | | |

**Lab Sample ID: MB 885-8889/1-A**
**Matrix: Water**
**Analysis Batch: 9069**

**Client Sample ID: Method Blank**
**Prep Type: Total Recoverable**
**Prep Batch: 8889**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Calcium | ND | | 1.0 | 0.053 | mg/L | | 07/22/24 10:41 | 07/24/24 09:06 | 1 |
| Magnesium | ND | | 1.0 | 0.033 | mg/L | | 07/22/24 10:41 | 07/24/24 09:06 | 1 |

**Lab Sample ID: LCS 885-8889/7-A**
**Matrix: Water**
**Analysis Batch: 9069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 8889**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | | | 50.0 | 48.3 | | mg/L | | 97 | 85 - 115 | | |
| Magnesium | | | 50.0 | 48.7 | | mg/L | | 97 | 85 - 115 | | |

**Lab Sample ID: LLCS 885-8889/6-A**
**Matrix: Water**
**Analysis Batch: 9069**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total Recoverable**
**Prep Batch: 8889**

| Analyte | | | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Calcium | | | 0.500 | 0.491 | J | mg/L | | 98 | 50 - 150 | | |
| Magnesium | | | 0.500 | 0.480 | J | mg/L | | 96 | 50 - 150 | | |

## Method: 200.8 - Metals (ICP/MS)

**Lab Sample ID: MB 885-9268/11**
**Matrix: Water**
**Analysis Batch: 9268**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | | 0.00050 | 0.000083 | mg/L | | | 07/26/24 09:36 | 1 |
| Copper | ND | | 0.00050 | 0.00012 | mg/L | | | 07/26/24 09:36 | 1 |

## Method: 200.8 - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 885-9268/12**
**Matrix: Water**
**Analysis Batch: 9268**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.0125 | 0.0123 | | mg/L | | 98 | 85 - 115 |
| Copper | 0.0250 | 0.0242 | | mg/L | | 97 | 85 - 115 |

**Lab Sample ID: MRL 885-9268/10**
**Matrix: Water**
**Analysis Batch: 9268**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Copper | 0.000500 | 0.000477 | J | mg/L | | 95 | 50 - 150 |

**Lab Sample ID: MRL 885-9268/9**
**Matrix: Water**
**Analysis Batch: 9268**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Lead | 0.000500 | 0.000496 | J | mg/L | | 99 | 50 - 150 |

## Method: 1664B - HEM and SGT-HEM

**Lab Sample ID: MB 885-9984/1**
**Matrix: Water**
**Analysis Batch: 9984**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | ND | | 5.0 | 4.5 | mg/L | | | 08/09/24 09:50 | 1 |

**Lab Sample ID: LCS 885-9984/2**
**Matrix: Water**
**Analysis Batch: 9984**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 40.0 | 37.2 | | mg/L | | 93 | 78 - 114 |

**Lab Sample ID: LCSD 885-9984/3**
**Matrix: Water**
**Analysis Batch: 9984**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| HEM (Oil & Grease) | 40.0 | 37.2 | | mg/L | | 93 | 78 - 114 | 0 | 20 |

## Method: 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID: MB 885-9053/1**
**Matrix: Water**
**Analysis Batch: 9053**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | 50 | 25 | mg/L | | | 07/24/24 11:30 | 1 |

## Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LCS 885-9053/2**
**Matrix: Water**
**Analysis Batch: 9053**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 1010 | | mg/L | | 101 | 80 - 120 |

**Lab Sample ID: MB 885-9116/1**
**Matrix: Water**
**Analysis Batch: 9116**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | | 50 | 25 | mg/L | | | 07/25/24 08:48 | 1 |

**Lab Sample ID: LCS 885-9116/2**
**Matrix: Water**
**Analysis Batch: 9116**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 1010 | | mg/L | | 101 | 80 - 120 |

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID: MB 885-8919/33-A**
**Matrix: Water**
**Analysis Batch: 9096**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 8919**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | ND | | 0.50 | 0.50 | mg/L | | 07/22/24 10:30 | 07/24/24 14:25 | 1 |

**Lab Sample ID: LCS 885-8919/35-A**
**Matrix: Water**
**Analysis Batch: 9096**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 8919**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 10.0 | 9.85 | | mg/L | | 98 | 90 - 110 |

**Lab Sample ID: LLCS 885-8919/34-A**
**Matrix: Water**
**Analysis Batch: 9096**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 8919**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 0.500 | ND | | mg/L | | 98 | 50 - 150 |

**Lab Sample ID: MB 885-9417/3-A**
**Matrix: Water**
**Analysis Batch: 9738**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 9417**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | ND | | 0.50 | 0.50 | mg/L | | 07/30/24 12:17 | 08/02/24 13:40 | 1 |

## Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

**Lab Sample ID: LCS 885-9417/5-A**
**Matrix: Water**
**Analysis Batch: 9738**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 9417**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 10.0 | 9.84 | | mg/L | | 98 | 90 - 110 |

**Lab Sample ID: LLCS 885-9417/4-A**
**Matrix: Water**
**Analysis Batch: 9738**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 9417**

| Analyte | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrogen, Total Kjeldahl | 0.500 | ND | | mg/L | | 100 | 50 - 150 |

## Method: 365.1 - Phosphorus, Total

**Lab Sample ID: MB 885-8876/1-A**
**Matrix: Water**
**Analysis Batch: 8994**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 8876**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | ND | | 0.050 | 0.050 | mg/L | | 07/22/24 09:43 | 07/23/24 11:04 | 1 |

**Lab Sample ID: LCS 885-8876/2-A**
**Matrix: Water**
**Analysis Batch: 8994**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 8876**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.250 | 0.230 | | mg/L | | 92 | 90 - 110 |

**Lab Sample ID: MRL 885-8876/5-A**
**Matrix: Water**
**Analysis Batch: 8994**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 8876**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.0500 | ND | | mg/L | | 98 | 50 - 150 |

**Lab Sample ID: MB 885-9389/4-A**
**Matrix: Water**
**Analysis Batch: 9522**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 9389**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | ND | | 0.050 | 0.050 | mg/L | | 07/30/24 08:10 | 07/31/24 09:49 | 1 |

**Lab Sample ID: LCS 885-9389/5-A**
**Matrix: Water**
**Analysis Batch: 9522**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 9389**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.250 | 0.243 | | mg/L | | 97 | 90 - 110 |

## Method: 365.1 - Phosphorus, Total (Continued)

**Lab Sample ID: MRL 885-9389/3-A**
**Matrix: Water**
**Analysis Batch: 9522**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 9389**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Phosphorus as P | 0.0500 | ND | | mg/L | | 96 | 50 - 150 |

## Method: 5220D - COD

**Lab Sample ID: MB 885-11218/4**
**Matrix: Water**
**Analysis Batch: 11218**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | 50 | 50 | mg/L | | | 08/27/24 14:32 | 1 |

**Lab Sample ID: LCS 885-11218/5**
**Matrix: Water**
**Analysis Batch: 11218**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 500 | 491 | | mg/L | | 98 | 90 - 110 |

**Lab Sample ID: MRL 885-11218/6**
**Matrix: Water**
**Analysis Batch: 11218**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 50.0 | ND | | mg/L | | 83 | 50 - 150 |

**Lab Sample ID: MB 885-9503/4**
**Matrix: Water**
**Analysis Batch: 9503**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | ND | | 50 | 50 | mg/L | | | 07/31/24 15:01 | 1 |

**Lab Sample ID: LCS 885-9503/5**
**Matrix: Water**
**Analysis Batch: 9503**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 500 | 505 | | mg/L | | 101 | 90 - 110 |

**Lab Sample ID: MRL 885-9503/6**
**Matrix: Water**
**Analysis Batch: 9503**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | 50.0 | 60.5 | | mg/L | | 121 | 50 - 150 |

## Method: SM 2540D - Solids, Total Suspended (TSS)

**Lab Sample ID: MB 885-8984/1**
**Matrix: Water**
**Analysis Batch: 8984**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total Suspended Solids | ND | | 4.0 | 4.0 | mg/L | | | 07/23/24 12:52 | 1 |

**Lab Sample ID: LCSSRM 885-8984/2**
**Matrix: Water**
**Analysis Batch: 8984**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCSSRM Result | LCSSRM Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Total Suspended Solids | 100 | 90.0 | | mg/L | | 90.0 | 77.1 - 110.0 |

## Method: SM 4500 NH3 C - Ammonia

**Lab Sample ID: MB 885-9155/1-A**
**Matrix: Water**
**Analysis Batch: 9199**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 9155**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Ammonia | ND | | 0.67 | 0.28 | mg/L | | 07/25/24 11:04 | 07/25/24 14:50 | 1 |

**Lab Sample ID: LCS 885-9155/2-A**
**Matrix: Water**
**Analysis Batch: 9199**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 9155**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Ammonia | 10.0 | 9.52 | | mg/L | | 95 | 80 - 120 |

## Method: SM5210B - BOD, 5 Day

**Lab Sample ID: USB 885-8777/1**
**Matrix: Water**
**Analysis Batch: 8777**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | USB Result | USB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | ND | | 2.0 | 2.0 | mg/L | | | 07/19/24 15:58 | 1 |

**Lab Sample ID: LCS 885-8777/2**
**Matrix: Water**
**Analysis Batch: 8777**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Demand | 198 | 151 | *- | mg/L | | 76 | 85 - 115 |

## Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

**Lab Sample ID: MB 160-672164/1-A**
**Matrix: Water**
**Analysis Batch: 673670**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 672164**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | 0.3049 | U | 0.557 | 0.558 | 3.00 | 0.971 | pCi/L | 07/24/24 09:30 | 08/04/24 13:28 | 1 |

## Method: 900.0 - Gross Alpha and Gross Beta Radioactivity (Continued)

**Lab Sample ID: MB 160-672164/1-A**
**Matrix: Water**
**Analysis Batch: 673670**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 672164**

| Analyte | MB Result | MB Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|---|
| Gross Beta | 0.7565 | U | 0.514 | 0.519 | 4.00 | 0.779 | pCi/L | 07/24/24 09:30 | 08/04/24 13:28 | 1 |

**Lab Sample ID: LCS 160-672164/2-A**
**Matrix: Water**
**Analysis Batch: 673670**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 672164**

| Analyte | | | Spike Added | LCS Result | LCS Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gross Alpha | | | 49.5 | 54.62 | | 7.80 | 3.00 | 1.43 | pCi/L | 110 | 75 - 125 | | |

**Lab Sample ID: LCSB 160-672164/3-A**
**Matrix: Water**
**Analysis Batch: 673670**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 672164**

| Analyte | | | Spike Added | LCSB Result | LCSB Qual | Total Uncert. (2σ+/-) | RL | MDC | Unit | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gross Beta | | | 71.1 | 71.29 | | 7.65 | 4.00 | 0.846 | pCi/L | 100 | 75 - 125 | | |

## Method: 9223B - Coliforms, Total, and E.Coll (Colilert - Quanti Tray)

**Lab Sample ID: MB 885-8824/1**
**Matrix: Water**
**Analysis Batch: 8824**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Escherichia coli | ND | | 1.0 | 1.0 | MPN/100mL | | | 07/19/24 17:45 | 1 |

## GC/MS VOA

### Analysis Batch: 178534

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-5 | Trip Blank | Total/NA | Water | 8260C | |
| MB 860-178534/10 | Method Blank | Total/NA | Water | 8260C | |
| LCS 860-178534/3 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 860-178534/4 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

### Analysis Batch: 178618

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 8260C | |
| MB 860-178618/9 | Method Blank | Total/NA | Water | 8260C | |
| LCS 860-178618/3 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 860-178618/4 | Lab Control Sample Dup | Total/NA | Water | 8260C | |

### Analysis Batch: 178791

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 8260C | |
| MB 860-178791/9 | Method Blank | Total/NA | Water | 8260C | |
| LCS 860-178791/3 | Lab Control Sample | Total/NA | Water | 8260C | |
| LCSD 860-178791/4 | Lab Control Sample Dup | Total/NA | Water | 8260C | |
| 885-8362-1 MS | RG-South-20240719 | Total/NA | Water | 8260C | |

## GC/MS Semi VOA

### Prep Batch: 177360

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 3511 | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 3511 | |
| MB 860-177360/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-177360/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-177360/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

### Analysis Batch: 177867

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-177360/1-A | Method Blank | Total/NA | Water | 625.1 | 177360 |
| LCS 860-177360/2-A | Lab Control Sample | Total/NA | Water | 625.1 | 177360 |
| LCSD 860-177360/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 | 177360 |

### Analysis Batch: 178568

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 625.1 | 177360 |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 625.1 | 177360 |

### Analysis Batch: 179169

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 860-177360/1-A | Method Blank | Total/NA | Water | 625.1 | 177360 |
| LCS 860-177360/2-A | Lab Control Sample | Total/NA | Water | 625.1 | 177360 |
| LCSD 860-177360/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 | 177360 |

## GC Semi VOA

### Prep Batch: 177123

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 3511 | |

## GC Semi VOA (Continued)

### Prep Batch: 177123 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 3511 | |
| MB 860-177123/1-A | Method Blank | Total/NA | Water | 3511 | |
| LCS 860-177123/2-A | Lab Control Sample | Total/NA | Water | 3511 | |
| LCSD 860-177123/3-A | Lab Control Sample Dup | Total/NA | Water | 3511 | |

### Analysis Batch: 177230

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 608.3 | 177123 |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 608.3 | 177123 |
| MB 860-177123/1-A | Method Blank | Total/NA | Water | 608.3 | 177123 |
| LCS 860-177123/2-A | Lab Control Sample | Total/NA | Water | 608.3 | 177123 |
| LCSD 860-177123/3-A | Lab Control Sample Dup | Total/NA | Water | 608.3 | 177123 |

## HPLC/IC

### Analysis Batch: 8830

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 300.0 | |
| MB 885-8830/4 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 885-8830/5 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MRL 885-8830/3 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 9150

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 300.0 | |
| MB 885-9150/9 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 885-9150/10 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MRL 885-9150/8 | Lab Control Sample | Total/NA | Water | 300.0 | |

### Analysis Batch: 9313

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 885-9313/27 | Method Blank | Total/NA | Water | 300.0 | |
| MB 885-9313/90 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 885-9313/91 | Lab Control Sample | Total/NA | Water | 300.0 | |
| MRL 885-9313/23 | Lab Control Sample | Total/NA | Water | 300.0 | |

## LCMS

### Prep Batch: 783394

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 537.1 | |
| 885-8362-2 | RG-South-BLK-20240719 | Total/NA | Water | 537.1 | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 537.1 | |
| 885-8362-4 | EquipBlank-20240717;PFAS | Total/NA | Water | 537.1 | |
| MB 320-783394/1-A | Method Blank | Total/NA | Water | 537.1 | |
| LCS 320-783394/3-A | Lab Control Sample | Total/NA | Water | 537.1 | |
| LCSD 320-783394/4-A | Lab Control Sample Dup | Total/NA | Water | 537.1 | |
| LLCS 320-783394/2-A | Lab Control Sample | Total/NA | Water | 537.1 | |

### Analysis Batch: 785401

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 537.1 | 783394 |

## LCMS (Continued)

### Analysis Batch: 785401 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-4 | EquipBlank-20240717;PFAS | Total/NA | Water | 537.1 | 783394 |
| MB 320-783394/1-A | Method Blank | Total/NA | Water | 537.1 | 783394 |
| LCS 320-783394/3-A | Lab Control Sample | Total/NA | Water | 537.1 | 783394 |
| LCSD 320-783394/4-A | Lab Control Sample Dup | Total/NA | Water | 537.1 | 783394 |
| LLCS 320-783394/2-A | Lab Control Sample | Total/NA | Water | 537.1 | 783394 |

### Analysis Batch: 785413

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 537.1 | 783394 |
| 885-8362-2 | RG-South-BLK-20240719 | Total/NA | Water | 537.1 | 783394 |

## Specialty Organics

### Prep Batch: 785897

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | HRMS-Sep | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | HRMS-Sep | |
| MB 320-785897/1-A | Method Blank | Total/NA | Water | HRMS-Sep | |
| LCS 320-785897/2-A | Lab Control Sample | Total/NA | Water | HRMS-Sep | |
| LCSD 320-785897/3-A | Lab Control Sample Dup | Total/NA | Water | HRMS-Sep | |

### Analysis Batch: 786998

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 1668A | 785897 |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 1668A | 785897 |
| MB 320-785897/1-A | Method Blank | Total/NA | Water | 1668A | 785897 |
| LCS 320-785897/2-A | Lab Control Sample | Total/NA | Water | 1668A | 785897 |
| LCSD 320-785897/3-A | Lab Control Sample Dup | Total/NA | Water | 1668A | 785897 |

## Metals

### Prep Batch: 8889

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total Recoverable | Water | 200.2 | |
| 885-8362-3 | RG-North-20240717 | Total Recoverable | Water | 200.2 | |
| MB 885-8889/1-A | Method Blank | Total Recoverable | Water | 200.2 | |
| LCS 885-8889/7-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |
| LLCS 885-8889/6-A | Lab Control Sample | Total Recoverable | Water | 200.2 | |

### Analysis Batch: 9069

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total Recoverable | Water | 200.7 Rev 4.4 | 8889 |
| 885-8362-3 | RG-North-20240717 | Total Recoverable | Water | 200.7 Rev 4.4 | 8889 |
| MB 885-8889/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 8889 |
| LCS 885-8889/7-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 8889 |
| LLCS 885-8889/6-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 8889 |
| MRL 885-9069/15 | Lab Control Sample | Total/NA | Water | 200.7 Rev 4.4 | |

### Analysis Batch: 9151

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total Recoverable | Water | SM 2340B | |
| 885-8362-3 | RG-North-20240717 | Total Recoverable | Water | SM 2340B | |

## Metals

### Analysis Batch: 9268

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Dissolved | Water | 200.8 | |
| 885-8362-3 | RG-North-20240717 | Dissolved | Water | 200.8 | |
| MB 885-9268/11 | Method Blank | Total/NA | Water | 200.8 | |
| LCS 885-9268/12 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-9268/10 | Lab Control Sample | Total/NA | Water | 200.8 | |
| MRL 885-9268/9 | Lab Control Sample | Total/NA | Water | 200.8 | |

## General Chemistry

### Analysis Batch: 8777

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | SM5210B | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | SM5210B | |
| USB 885-8777/1 | Method Blank | Total/NA | Water | SM5210B | |
| LCS 885-8777/2 | Lab Control Sample | Total/NA | Water | SM5210B | |

### Prep Batch: 8876

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 365.2/365.3/365 | |
| 885-8362-3 | RG-North-20240717 | Dissolved | Water | 365.2/365.3/365 | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 365.2/365.3/365 | |
| MB 885-8876/1-A | Method Blank | Total/NA | Water | 365.2/365.3/365 | |
| LCS 885-8876/2-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| MRL 885-8876/5-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |

### Prep Batch: 8919

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 351.2 | |
| MB 885-8919/33-A | Method Blank | Total/NA | Water | 351.2 | |
| LCS 885-8919/35-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| LLCS 885-8919/34-A | Lab Control Sample | Total/NA | Water | 351.2 | |

### Analysis Batch: 8984

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | SM 2540D | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | SM 2540D | |
| MB 885-8984/1 | Method Blank | Total/NA | Water | SM 2540D | |
| LCSSRM 885-8984/2 | Lab Control Sample | Total/NA | Water | SM 2540D | |

### Analysis Batch: 8994

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 365.1 | 8876 |
| 885-8362-3 | RG-North-20240717 | Dissolved | Water | 365.1 | 8876 |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 365.1 | 8876 |
| MB 885-8876/1-A | Method Blank | Total/NA | Water | 365.1 | 8876 |
| LCS 885-8876/2-A | Lab Control Sample | Total/NA | Water | 365.1 | 8876 |
| MRL 885-8876/5-A | Lab Control Sample | Total/NA | Water | 365.1 | 8876 |

### Analysis Batch: 9025

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | SM 4500 H+ B | |

## General Chemistry (Continued)

### Analysis Batch: 9025 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | SM 4500 H+ B | |

### Analysis Batch: 9053

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 2540C | |
| MB 885-9053/1 | Method Blank | Total/NA | Water | 2540C | |
| LCS 885-9053/2 | Lab Control Sample | Total/NA | Water | 2540C | |

### Analysis Batch: 9096

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 351.2 | 8919 |
| MB 885-8919/33-A | Method Blank | Total/NA | Water | 351.2 | 8919 |
| LCS 885-8919/35-A | Lab Control Sample | Total/NA | Water | 351.2 | 8919 |
| LLCS 885-8919/34-A | Lab Control Sample | Total/NA | Water | 351.2 | 8919 |

### Analysis Batch: 9116

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 2540C | |
| MB 885-9116/1 | Method Blank | Total/NA | Water | 2540C | |
| LCS 885-9116/2 | Lab Control Sample | Total/NA | Water | 2540C | |

### Prep Batch: 9155

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | SM 4500 NH3 B | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | SM 4500 NH3 B | |
| MB 885-9155/1-A | Method Blank | Total/NA | Water | SM 4500 NH3 B | |
| LCS 885-9155/2-A | Lab Control Sample | Total/NA | Water | SM 4500 NH3 B | |

### Analysis Batch: 9199

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | SM 4500 NH3 C | 9155 |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | SM 4500 NH3 C | 9155 |
| MB 885-9155/1-A | Method Blank | Total/NA | Water | SM 4500 NH3 C | 9155 |
| LCS 885-9155/2-A | Lab Control Sample | Total/NA | Water | SM 4500 NH3 C | 9155 |

### Prep Batch: 9389

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Dissolved | Water | 365.2/365.3/365 | |
| MB 885-9389/4-A | Method Blank | Total/NA | Water | 365.2/365.3/365 | |
| LCS 885-9389/5-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |
| MRL 885-9389/3-A | Lab Control Sample | Total/NA | Water | 365.2/365.3/365 | |

### Prep Batch: 9417

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 351.2 | |
| MB 885-9417/3-A | Method Blank | Total/NA | Water | 351.2 | |
| LCS 885-9417/5-A | Lab Control Sample | Total/NA | Water | 351.2 | |
| LLCS 885-9417/4-A | Lab Control Sample | Total/NA | Water | 351.2 | |

## General Chemistry

### Analysis Batch: 9503

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 5220D | |
| MB 885-9503/4 | Method Blank | Total/NA | Water | 5220D | |
| LCS 885-9503/5 | Lab Control Sample | Total/NA | Water | 5220D | |
| MRL 885-9503/6 | Lab Control Sample | Total/NA | Water | 5220D | |

### Analysis Batch: 9522

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Dissolved | Water | 365.1 | 9389 |
| MB 885-9389/4-A | Method Blank | Total/NA | Water | 365.1 | 9389 |
| LCS 885-9389/5-A | Lab Control Sample | Total/NA | Water | 365.1 | 9389 |
| MRL 885-9389/3-A | Lab Control Sample | Total/NA | Water | 365.1 | 9389 |

### Analysis Batch: 9738

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 351.2 | 9417 |
| MB 885-9417/3-A | Method Blank | Total/NA | Water | 351.2 | 9417 |
| LCS 885-9417/5-A | Lab Control Sample | Total/NA | Water | 351.2 | 9417 |
| LLCS 885-9417/4-A | Lab Control Sample | Total/NA | Water | 351.2 | 9417 |

### Analysis Batch: 9984

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 1664B | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 1664B | |
| MB 885-9984/1 | Method Blank | Total/NA | Water | 1664B | |
| LCS 885-9984/2 | Lab Control Sample | Total/NA | Water | 1664B | |
| LCSD 885-9984/3 | Lab Control Sample Dup | Total/NA | Water | 1664B | |

### Analysis Batch: 11218

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | 5220D | |
| MB 885-11218/4 | Method Blank | Total/NA | Water | 5220D | |
| LCS 885-11218/5 | Lab Control Sample | Total/NA | Water | 5220D | |
| MRL 885-11218/6 | Lab Control Sample | Total/NA | Water | 5220D | |

## Rad

### Prep Batch: 672164

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | Evaporation | |
| 885-8362-3 | RG-North-20240717 | Total/NA | Water | Evaporation | |
| MB 160-672164/1-A | Method Blank | Total/NA | Water | Evaporation | |
| LCS 160-672164/2-A | Lab Control Sample | Total/NA | Water | Evaporation | |
| LCSB 160-672164/3-A | Lab Control Sample | Total/NA | Water | Evaporation | |

## Biology

### Analysis Batch: 8824

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 885-8362-1 | RG-South-20240719 | Total/NA | Water | 9223B | |
| MB 885-8824/1 | Method Blank | Total/NA | Water | 9223B | |

# Lab Chronicle

Client: Daniel B. Stephens & Associates Inc.
Project/Site: CMC

Job ID: 885-8362-1

## Client Sample ID: RG-South-20240719

**Lab Sample ID: 885-8362-1**

**Date Collected: 07/19/24 11:45**

**Matrix: Water**

**Date Received: 07/19/24 13:27**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 178791 | NA | EET HOU | 07/31/24 22:00 |
| Total/NA | Prep | 3511 | | | 177360 | DR | EET HOU | 07/24/24 14:59 |
| Total/NA | Analysis | 625.1 | | 1 | 178568 | LPL | EET HOU | 07/31/24 09:57 |
| Total/NA | Prep | 3511 | | | 177123 | DS | EET HOU | 07/23/24 20:02 |
| Total/NA | Analysis | 608.3 | | 1 | 177230 | KM | EET HOU | 07/24/24 14:31 |
| Total/NA | Analysis | 300.0 | | 1 | 8830 | RC | EET ALB | 07/20/24 05:03 |
| Total/NA | Prep | 537.1 | | | 783394 | DGR | EET SAC | 07/24/24 05:30 |
| Total/NA | Analysis | 537.1 | | 1 | 785413 | SS | EET SAC | 07/27/24 12:08 |
| Total/NA | Prep | HRMS-Sep | | | 785897 | CS | EET SAC | 07/30/24 09:07 |
| Total/NA | Analysis | 1668A | | 1 | 786998 | KT | EET SAC | 08/02/24 08:32 |
| Total Recoverable | Prep | 200.2 | | | 8889 | TM | EET ALB | 07/22/24 10:41 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 5 | 9069 | JR | EET ALB | 07/24/24 10:15 |
| Dissolved | Analysis | 200.8 | | 1 | 9268 | ES | EET ALB | 07/26/24 10:29 |
| Total Recoverable | Analysis | SM 2340B | | 1 | 9151 | JF | EET ALB | 07/25/24 10:26 |
| Total/NA | Analysis | 1664B | | 1 | 9984 | CO | EET ALB | 08/09/24 09:50 |
| Total/NA | Analysis | 2540C | | 1 | 9116 | ES | EET ALB | 07/25/24 08:48 |
| Total/NA | Prep | 351.2 | | | 8919 | EH | EET ALB | 07/22/24 10:30 |
| Total/NA | Analysis | 351.2 | | 1 | 9096 | EH | EET ALB | 07/24/24 14:51 |
| Dissolved | Prep | 365.2/365.3/365 | | | 9389 | ES | EET ALB | 07/30/24 08:10 |
| Dissolved | Analysis | 365.1 | | 1 | 9522 | ES | EET ALB | 07/31/24 09:54 |
| Total/NA | Prep | 365.2/365.3/365 | | | 8876 | ES | EET ALB | 07/22/24 09:49 |
| Total/NA | Analysis | 365.1 | | 1 | 8994 | ES | EET ALB | 07/23/24 12:13 |
| Total/NA | Analysis | 5220D | | 1 | 9503 | KH | EET ALB | 07/31/24 15:01 |
| Total/NA | Analysis | SM 2540D | | 1 | 8984 | KS | EET ALB | 07/23/24 12:52 |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | 9025 | DL | EET ALB | 07/23/24 16:15 |
| Total/NA | Prep | SM 4500 NH3 B | | | 9155 | KB | EET ALB | 07/25/24 11:04 |
| Total/NA | Analysis | SM 4500 NH3 C | | 1 | 9199 | KB | EET ALB | 07/25/24 14:50 |
| Total/NA | Analysis | SM5210B | | 1 | 8777 | CO | EET ALB | 07/19/24 15:58 |
| Total/NA | Prep | Evaporation | | | 672164 | MEH | EET SL | 07/24/24 09:30 |
| Total/NA | Analysis | 900.0 | | 1 | 673671 | SCB | EET SL | 08/05/24 14:40 |
| Total/NA | Analysis | 9223B | | 1 | 8824 | CO | EET ALB | 07/19/24 17:45 |

## Client Sample ID: RG-South-BLK-20240719

**Lab Sample ID: 885-8362-2**

**Date Collected: 07/19/24 11:45**

**Matrix: Water**

**Date Received: 07/19/24 13:27**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 537.1 | | | 783394 | DGR | EET SAC | 07/24/24 05:30 |
| Total/NA | Analysis | 537.1 | | 1 | 785413 | SS | EET SAC | 07/27/24 12:16 |

## Client Sample ID: RG-North-20240717

**Lab Sample ID: 885-8362-3**

**Date Collected: 07/17/24 12:30**

**Matrix: Water**

**Date Received: 07/19/24 13:27**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 178618 | NA | EET HOU | 07/31/24 12:18 |
| Total/NA | Prep | 3511 | | | 177360 | DR | EET HOU | 07/24/24 14:59 |
| Total/NA | Analysis | 625.1 | | 1 | 178568 | LPL | EET HOU | 07/31/24 10:27 |
| Total/NA | Prep | 3511 | | | 177123 | DS | EET HOU | 07/23/24 20:02 |
| Total/NA | Analysis | 608.3 | | 1 | 177230 | KM | EET HOU | 07/24/24 14:42 |
| Total/NA | Analysis | 300.0 | | 5 | 9150 | RC | EET ALB | 07/24/24 11:46 |
| Total/NA | Prep | 537.1 | | | 783394 | DGR | EET SAC | 07/24/24 05:30 |
| Total/NA | Analysis | 537.1 | | 1 | 785401 | SS | EET SAC | 07/27/24 11:46 |
| Total/NA | Prep | HRMS-Sep | | | 785897 | CS | EET SAC | 07/30/24 09:07 |
| Total/NA | Analysis | 1668A | | 1 | 786998 | KT | EET SAC | 08/02/24 09:34 |
| Total Recoverable | Prep | 200.2 | | | 8889 | TM | EET ALB | 07/22/24 10:41 |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 5 | 9069 | JR | EET ALB | 07/24/24 10:19 |
| Dissolved | Analysis | 200.8 | | 1 | 9268 | ES | EET ALB | 07/26/24 10:32 |
| Total Recoverable | Analysis | SM 2340B | | 1 | 9151 | JF | EET ALB | 07/25/24 10:26 |
| Total/NA | Analysis | 1664B | | 1 | 9984 | CO | EET ALB | 08/09/24 09:50 |
| Total/NA | Analysis | 2540C | | 1 | 9053 | ES | EET ALB | 07/24/24 11:30 |
| Total/NA | Prep | 351.2 | | | 9417 | DL | EET ALB | 07/30/24 12:17 |
| Total/NA | Analysis | 351.2 | | 1 | 9738 | DL | EET ALB | 08/02/24 14:04 |
| Dissolved | Prep | 365.2/365.3/365 | | | 8876 | ES | EET ALB | 07/22/24 09:49 |
| Dissolved | Analysis | 365.1 | | 1 | 8994 | ES | EET ALB | 07/23/24 12:17 |
| Total/NA | Prep | 365.2/365.3/365 | | | 8876 | ES | EET ALB | 07/22/24 09:49 |
| Total/NA | Analysis | 365.1 | | 1 | 8994 | ES | EET ALB | 07/23/24 12:15 |
| Total/NA | Analysis | 5220D | | 1 | 11218 | KH | EET ALB | 08/27/24 14:32 |
| Total/NA | Analysis | SM 2540D | | 1 | 8984 | KS | EET ALB | 07/23/24 12:52 |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | 9025 | DL | EET ALB | 07/23/24 16:19 |
| Total/NA | Prep | SM 4500 NH3 B | | | 9155 | KB | EET ALB | 07/25/24 11:04 |
| Total/NA | Analysis | SM 4500 NH3 C | | 1 | 9199 | KB | EET ALB | 07/25/24 14:50 |
| Total/NA | Analysis | SM5210B | | 1 | 8777 | CO | EET ALB | 07/19/24 15:58 |
| Total/NA | Prep | Evaporation | | | 672164 | MEH | EET SL | 07/24/24 09:30 |
| Total/NA | Analysis | 900.0 | | 1 | 673671 | SCB | EET SL | 08/05/24 14:40 |

## Client Sample ID: EquipBlank-20240717;PFAS

**Lab Sample ID: 885-8362-4**

**Date Collected: 07/17/24 12:45**

**Matrix: Water**

**Date Received: 07/19/24 13:27**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 537.1 | | | 783394 | DGR | EET SAC | 07/24/24 05:30 |
| Total/NA | Analysis | 537.1 | | 1 | 785401 | SS | EET SAC | 07/27/24 11:53 |

Client: Daniel B. Stephens & Associates Inc.
Job ID: 885-8362-1
Project/Site: CMC

**Client Sample ID: Trip Blank**
**Lab Sample ID: 885-8362-5**
**Date Collected: 07/17/24 00:00**
**Matrix: Water**
**Date Received: 07/19/24 13:27**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Analysis | 8260C | | 1 | 178534 | NA | EET HOU | 07/31/24 03:08 |

**Laboratory References:**

= Mount Juliet, 12065 Lebanon Road, Mount Juliet, TN 37122

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

# Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

## Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Oregon | NELAP | NM100001 | 02-26-25 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|---|---|---|---|
| 351.2 | 351.2 | Water | Nitrogen, Total Kjeldahl |
| 5220D | | Water | Chemical Oxygen Demand |
| 9223B | | Water | Escherichia coli |
| SM5210B | | Water | Biochemical Oxygen Demand |

## Laboratory: Eurofins Houston

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Arkansas DEQ | State | 88-00759 | 08-03-24 |
| Florida | NELAP | E871002 | 06-30-25 |
| Louisiana (All) | NELAP | 03054 | 06-30-25 |
| Oklahoma | NELAP | 1306 | 08-31-24 |
| Oklahoma | State | 2023-139 | 08-31-24 |
| Texas | NELAP | T104704215 | 06-30-25 |
| Texas | TCEQ Water Supply | T104704215 | 12-28-25 |
| USDA | US Federal Programs | 525-23-79-79507 | 03-20-26 |

## Laboratory: Eurofins Sacramento

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alaska (UST) | State | 17-020 | 09-04-24 |
| ANAB | Dept. of Defense ELAP | L2468 | 01-20-27 |
| ANAB | Dept. of Energy | L2468.01 | 01-20-27 |
| ANAB | ISO/IEC 17025 | L2468 | 01-20-27 |
| Arizona | State | AZ0708 | 08-11-24 |
| Arkansas DEQ | State | 88-0691 | 05-18-25 |
| California | State | 2897 | 01-31-26 |
| Colorado | State | CA00044 | 08-31-24 |
| Florida | NELAP | E87570 | 06-30-25 |
| Georgia | State | 4040 | 01-29-25 |
| Hawaii | State | Eurofins Sacramento | 01-29-25 |
| Illinois | NELAP | 200060 | 09-09-24 |
| Kansas | NELAP | E-10375 | 10-31-25 |
| Louisiana | NELAP | 01944 | 06-30-25 |
| Louisiana (All) | NELAP | 01944 | 06-30-25 |
| Maine | State | CA00004 | 04-14-26 |
| Michigan | State | 9947 | 08-18-24 |
| Nevada | State | CA00044 | 10-31-24 |
| New Hampshire | NELAP | 2997 | 04-19-25 |
| New Jersey | NELAP | CA005 | 06-30-25 |
| New York | NELAP | 11666 | 04-01-25 |
| Ohio | State | 41252 | 01-29-25 |
| Oregon | NELAP | 4040 | 01-29-25 |
| Texas | NELAP | T104704399-23-17 | 05-31-25 |

# Accreditation/Certification Summary

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

## Laboratory: Eurofins Sacramento (Continued)

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| US Fish & Wildlife | US Federal Programs | A22139 | 04-30-25 |
| USDA | US Federal Programs | P330-18-00239 | 02-28-26 |
| Utah | NELAP | CA000442023-16 | 02-28-25 |
| Virginia | NELAP | 460278 | 03-14-25 |
| Washington | State | C581 | 05-05-25 |
| West Virginia (DW) | State | 9930C | 01-31-25 |
| Wisconsin | State | 998204680 | 08-07-24 |
| Wyoming | State Program | 8TMS-L | 01-28-19 * |

## Laboratory: Eurofins St. Louis

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Alaska (UST) | State | 20-001 | 05-06-25 |
| ANAB | Dept. of Defense ELAP | L2305 | 04-06-25 |
| ANAB | Dept. of Energy | L2305.01 | 04-08-25 |
| ANAB | ISO/IEC 17025 | L2305 | 04-06-25 |
| Arizona | State | AZ0813 | 12-08-24 |
| California | Los Angeles County Sanitation Districts | 10259 | 06-30-22 * |
| California | State | 2886 | 06-30-25 |
| Connecticut | State | PH-0241 | 03-31-25 |
| Florida | NELAP | E87689 | 06-30-25 |
| HI - RadChem Recognition | State | n/a | 06-30-25 |
| Illinois | NELAP | 200023 | 11-30-24 |
| Iowa | State | 373 | 12-01-24 |
| Kansas | NELAP | E-10236 | 10-31-24 |
| Kentucky (DW) | State | KY90125 | 12-31-24 |
| Kentucky (WW) | State | KY90125 (Permit KY0004049) | 12-31-24 |
| Louisiana | NELAP | 04080 | 06-30-22 * |
| Louisiana (All) | NELAP | 04080 | 06-30-25 |
| Louisiana (DW) | State | LA011 | 12-31-24 |
| Maryland | State | 310 | 08-25-24 |
| Massachusetts | State | M-MO054 | 06-30-25 |
| Missouri | State | 780 | 06-30-25 |
| Nevada | State | MO00054 | 08-23-24 |
| New Jersey | NELAP | MO002 | 06-30-25 |
| New Mexico | State | MO00054 | 10-01-24 |
| New York | NELAP | 11616 | 03-31-25 |
| North Carolina (DW) | State | 29700 | 07-31-25 |
| North Dakota | State | R-207 | 12-31-24 |
| Oklahoma | NELAP | 9997 | 08-31-24 |
| Oregon | NELAP | 4157 | 09-01-24 |
| Pennsylvania | NELAP | 68-00540 | 02-28-25 |
| South Carolina | State | 85002001 | 06-30-24 * |
| Texas | NELAP | T104704193 | 07-31-25 |
| US Fish & Wildlife | US Federal Programs | 058448 | 07-31-25 |
| USDA | US Federal Programs | P330-17-00028 | 05-18-26 |
| Utah | NELAP | MO00054 | 07-31-25 |
| Virginia | NELAP | 460230 | 06-14-25 |

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Client: Daniel B. Stephens & Associates Inc. Job ID: 885-8362-1
Project/Site: CMC

## Laboratory: Eurofins St. Louis (Continued)

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

| Authority | Program | Identification Number | Expiration Date |
|---|---|---|---|
| Washington | State | C592 | 08-30-24 |
| West Virginia DEP | State | 381 | 10-31-24 |

# ANALYTICAL REPORT

July 30, 2024

## Eurofins - Albuquerque, NM

| | |
|---|---|
| Sample Delivery Group: | L1759177 |
| Samples Received: | 07/23/2024 |
| Project Number: | 88501060 |
| Description: | CMC |

Report To: Michelle Garcia
4901 Hawkins NE
Albuquerque, NM 87109

Entire Report Reviewed By:

**[Preliminary Report]**

Jordan N Zito
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



**Pace Analytical National**
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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## RG-SOUTH-20240719 L1759177-01 GW

| | Collected by | Collected date/time | Received date/time |
|---|---|---|---|
| | | 07/19/24 11:45 | 07/23/24 09:00 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Wet Chemistry by Method 3500Cr C-2011 | WG2327377 | 1 | 07/29/24 14:28 | 07/29/24 14:28 | SET | Mt. Juliet, TN |

## RG-NORTH-20240719 L1759177-02 GW

| | Collected by | Collected date/time | Received date/time |
|---|---|---|---|
| | | 07/17/24 12:30 | 07/23/24 09:00 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Wet Chemistry by Method 3500Cr C-2011 | WG2327377 | 1 | 07/29/24 14:48 | 07/29/24 14:48 | SET | Mt. Juliet, TN |

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

**[Preliminary Report]**

Jordan N Zito
Project Manager

## Wet Chemistry by Method 3500Cr C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Hexavalent Chromium | ND | | 0.000500 | 1 | 07/29/2024 14:28 | WG2327377 |

## Wet Chemistry by Method 3500Cr C-2011

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/l | | mg/l | | date / time | |
| Hexavalent Chromium | ND | | 0.000500 | 1 | 07/29/2024 14:48 | WG2327377 |

## Method Blank (MB)

(MB) R4099957-1 07/29/24 11:23

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Hexavalent Chromium | U | | 0.000150 | 0.000500 |

## L1759171-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1759171-01 07/29/24 13:40 • (DUP) R4099957-5 07/29/24 13:49

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Hexavalent Chromium | ND | ND | 1 | 0.000 | | 20 |

## L1759177-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1759177-01 07/29/24 14:28 • (DUP) R4099957-6 07/29/24 14:38

| Analyte | Original Result mg/l | DUP Result mg/l | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|---|---|---|---|---|---|---|
| Hexavalent Chromium | ND | ND | 1 | 0.000 | | 20 |

## Laboratory Control Sample (LCS)

(LCS) R4099957-2 07/29/24 11:33

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Hexavalent Chromium | 0.00200 | 0.00194 | 97.0 | 90.0-110 | |

## L1758702-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1758702-01 07/29/24 11:52 • (MS) R4099957-3 07/29/24 12:02 • (MSD) R4099957-4 07/29/24 12:12

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hexavalent Chromium | 0.0500 | ND | 0.0478 | 0.0483 | 95.7 | 96.6 | 1 | 90.0-110 | | | 0.915 | 20 |

## L1760660-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1760660-01 07/29/24 16:06 • (MS) R4099957-7 07/29/24 16:16

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MS Rec. % | Dilution | Rec. Limits % | MS Qualifier |
|---|---|---|---|---|---|---|---|
| Hexavalent Chromium | 0.0500 | ND | 0.0481 | 96.1 | 1 | 90.0-110 | |

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

| | |
|---|---|
| MDL | Method Detection Limit. |
| ND | Not detected at the Reporting Limit (or MDL where applicable). |
| RDL | Reported Detection Limit. |
| Rec. | Recovery. |
| RPD | Relative Percent Difference. |
| SDG | Sample Delivery Group. |
| U | Not detected at the Reporting Limit (or MDL where applicable). |
| Analyte | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported. |
| Dilution | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor. |
| Limits | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges. |
| Original Sample | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG. |
| Qualifier | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable. |
| Result | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma. |
| Case Narrative (Cn) | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report. |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material. |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis. |
| Sample Results (Sr) | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported. |
| Sample Summary (Ss) | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis. |

| Qualifier | Description |
|---|---|
| | The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

| | | | |
|---|---|---|---|
| Alabama | 40660 | Nebraska | NE-OS-15-05 |
| Alaska | 17-026 | Nevada | TN000032021-1 |
| Arizona | AZ0612 | New Hampshire | 2975 |
| Arkansas | 88-0469 | New Jersey–NELAP | TN002 |
| California | 2932 | New Mexico [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 923 | North Dakota | R-140 |
| Idaho | TN00003 | Ohio–VAP | CL0069 |
| Illinois | 200008 | Oklahoma | 9915 |
| Indiana | C-TN-01 | Oregon | TN200002 |
| Iowa | 364 | Pennsylvania | 68-02979 |
| Kansas | E-10277 | Rhode Island | LAO00356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | LAB0152 |
| Maryland | 324 | Utah | TN000032021-11 |
| Massachusetts | M-TN003 | Vermont | VT2006 |
| Michigan | 9958 | Virginia | 110033 |
| Minnesota | 047-999-395 | Washington | C847 |
| Mississippi | TN00003 | West Virginia | 233 |
| Missouri | 340 | Wisconsin | 998093910 |
| Montana | CERT0086 | Wyoming | A2LA |
| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
| A2LA – ISO 17025 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

J200

nent Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Cason, Cheyenne | Carrier Tracking No(s): | COC No: 885-1289.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: cheyenne.cason@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Pace Analytical Services LLC | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-8362-1 |
| Address: 12065 Lebanon Road, , | Due Date Requested: 8/19/2024 | | | |
| City: Mount Juliet | TAT Requested (days): | | | |
| State, Zip: TN, 37122 | | | | |
| Phone: | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: CMC | Project #: 88501060 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

Other: L179177

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | SUB (3500Cr C-2011 Cr6)/ 3500Cr C-2011 Cr6 | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| RG-South-20240719 (885-8362-1) | 7/19/24 | 11:45 Mountain | | Water | | | X | 1 | -01 |
| RG-North-20240717 (885-8362-3) | 7/17/24 | 12:30 Mountain | | Water | | | X | 1 | -02 |

Sample Receipt Checklist
COC Seal Present/Intact: Y N — If Applicable
COC Signed/Accurate: Y N — VOA Zero Headspace: Y N
Bottles arrive intact: Y N — Pres. Correct/Check: Y N
Correct bottles used: Y N EDA9 4.6+0.3=4.9
Sufficient volume sent: Y N
RA Screen <0.5 mR/hr: Y N 7775 4721 5158

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| | [signature] | 7/22/24 1445 | | | | |
| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| | | | | [signature] | 7-23-24 0900 | |
| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

**ICOC No:**
885-1289

## Containers

| Count | Container Type | Preservative |
|---|---|---|
| 2 | Other Client Container - preserved | None |

L1757177

# Chain-of-Custody Record

Client: DBS&A

Mailing Address: 6020 Academy Rd NE Suite 100 ABQ NM 87109

Phone #: 505-822-9400

email or Fax#: CJohannesen@dbstephens.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: CMC

Project #: D1323.1263

Project Manager: Chad Johannesen

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): See Remarks (°C)

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

885-8362 COC

Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | Standard PAHs | E. Coli | See Attached List | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/19/24 | ~~1100~~ 1115 | Water | RG-South-20240719 | | | | | | | | | | | | | | ✓ | ✓ | ✓ | | | |
| | | | ~~RG-South-DUP-20240719~~ | | | | | | | | | | | | | | | | | | | |
| 7/19/24 | ~~1100~~ 1115 | Water | RG-South-BTEX-20240719 | | | | | | | | | | | | | | ✓ | | | | | |
| 7/17/24 | 1230 | Water | RG-North-20240717 | | | | | | | | | | | | | | ✓ | ✓ | ✓ | | | |
| 7/17/24 | 1245 | Water | EquipBlank-20240717 PFAS | | | | | | | | | | | | | | ✓ | | | | | |
| | | | Trip Blank | | | | | | | | | | | | | | | | | | | |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 7/19/24 | 1327 | DBS&A | | CDO | | 13:27 |
| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | 7/19/24 | |

Remarks:
1.) 4.5 +0.1 = 4.6 °C
2.) 18.7 +0.1 = 18.8 °C Yogi

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

## Collaborative Monitoring Cooperative - Analyses List
## Attach to Chain of Custody

Please refer to attached NPDES Permit No. NMR04A00 Appendix F. Methods and minimum quantification levels (MQL's) will be those approved under 40 CFR 136 and specified in the attached permit

| Analyte (Bold Indicates WQS) | CAS # | Fraction | Method # | MDL (µg/L) |
|---|---|---|---|---|
| Hardness (Ca + Mg) | NA | Total | 200.7 | 2.4 |
| **Lead** | 7439-92-1 | Dissolved | 200.8 | 0.09 |
| **Copper** | 7440-50-8 | Dissolved | 200.8 | 1.06 |
| Ammonia + organic nitrogen | 7664-41-7 | Total | 350.1 | 31.32 |
| Total Kjehldal Nitrogen | 17778-88-0 | Total | 351.2 | 58.78 |
| **Nitrate + Nitrite** | 14797-55-8 | Total | 353.2 | 10.17 |
| **Polychlorinated biphenyls (PCBs)** | 1336-36-3 | Total | 1668 | 0.014 |
| Tetrahydrofuran (THF) | 109-99-9 | Total | 624.1 | 7.9 |
| bis(2-Ethylhexyl)phthalate | 117-81-7 | Total | 625.1 | 0.2 |
| Dibenzofuran | 132-64-9 | Total | 625.1 | 0.2 |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | Total | 610 | 0.2 |
| Benzo(b)fluoranthene | 205-99-2 | Total | 610 | 0.1 |
| Benzo(k)fluoranthene | 207-08-9 | Total | 610 | 0.1 |
| Chrysene | 218-01-9 | Total | 610 | 0.2 |
| **Benzo(a)pyrene** | **50-32-8** | **Total** | **610** | **0.3** |
| Dibenzo(a,h)anthracene | 53-70-3 | Total | 610 | 0.3 |
| Benzo(a)anthracene | 56-55-3 | Total | 610 | 0.2 |
| Dieldrin | 60-57-1 | Total | 625.1 | 0.1 |
| Pentachlorophenol | 87-86-5 | Total | 604 | 0.2 |
| Benzidine | 92-87-5 | Total | 604 | 0.1 |
| Chemical Oxygen Demand | E1641638[2] | Total | HACH | 5100 |
| **Gross alpha (adjusted)** | NA | Total | Method 900 | 0.1 pCi/L |
| Total Dissolved Solids | E1642222[2] | Total | SM 2540C | 60.4 |
| Total Suspended Solids | NA | Total | SM 2540D | 3450 |
| Biological Oxygen Demand | N/A | Total | Standard Methods | 930 |
| Oil and Grease | | Total | 1664A | 5000 |
| Ecoli | | | SM 9223B | |
| pH | | | SM 4500 | |
| Phosphorus | | Dissolved | 365.1 | 100 |
| Phosphorus | | Total | 365.1 | 100 |
| Chromium IV | | Total | 3500Cr C-2011 | 100 |
| Per- and polyfluorinated alkyl substances (PFAS) | | | 537.1 | |

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone: 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler: | Lab PM: Cason, Cheyenne | Carrier Tracking No(s): | COC No: 885-1292.1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: cheyenne.cason@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: TestAmerica Laboratories, Inc. | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-8362-1 |
| Address: 13715 Rider Trail North, | Due Date Requested: 8/21/2024 | | | |
| City: Earth City | TAT Requested (days): | | | |
| State, Zip: MO, 63045 | | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: CMC | Project #: 88501060 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes:**

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 900.0/Evaporation Adjusted Gross Alpha | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | |
| RG-South-20240719 (885-8362-1) | 7/19/24 | 11:45 Mountain | | Water | | | X | 1 | |
| RG-North-20240717 (885-8362-3) | 7/17/24 | 12:30 Mountain | | Water | | | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| Possible Hazard Identification | Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) |
|---|---|
| Unconfirmed | ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months |
| Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 | Special Instructions/QC Requirements: |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | [signature] | 7/22/24 @ 1505 | | Richard Thornley | JUL 23 2024 0900 | ETASTL |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|

Ver: 04/02/2024

**Eurofins Albuquerque**
4901 Hawkins NE
Albuquerque, NM 87109
Phone. 505-345-3975 Fax: 505-345-4107

# Chain of Custody Record

eurofins | Environment Testing

| Client Information (Sub Contract Lab) | Sampler | Lab PM: Cason, Cheyenne | Carrier Tracking No(s) | COC No: 885-1285 1 |
|---|---|---|---|---|
| Client Contact: Shipping/Receiving | Phone: | E-Mail: cheyenne cason@et.eurofinsus.com | State of Origin: New Mexico | Page: Page 1 of 1 |
| Company: Eurofins Environment Testing Northern Ca | | Accreditations Required (See note): NELAP - Oregon | | Job #: 885-8362-1 |
| Address: 880 Riverside Parkway, | Due Date Requested: 8/22/2024 | | | |
| City: West Sacramento | TAT Requested (days): | | | |
| State, Zip: CA, 95605 | | | | |
| Phone: 916-373-5600(Tel) 916-372-1059(Fax) | PO #: | | | |
| Email: | WO #: | | | |
| Project Name: CMC | Project #: 88501060 | | | |
| Site: | SSOW#: | | | |

**Analysis Requested**

**Preservation Codes**

Other:

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 1668A/HRMS_Sep_P Full List (209) | 537 1/537 1_Prep EPA 537 1 18 Analytes | Total Number of containers | Special Instructions/Note: |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preservation Code: | | | | | | | |
| RG-South-20240719 (885-8362-1) | 7/19/24 | 11 45 Mountain | | Water | | | X | X | 2 | |
| RG-South-BLK-20240719 (885-8362-2) | 7/19/24 | 11 45 Mountain | | Water | | | | X | 2 | |
| RG-North-20240717 (885-8362-3) | 7/17/24 | 12 30 Mountain | | Water | | | X | X | 2 | |
| EquipBlank-20240717 PFAS (885-8362-4) | 7/17/24 | 12 45 Mountain | | Water | | | | X | 2 | |

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

| *Possible Hazard Identification* | *Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)* |
|---|---|
| *Unconfirmed* | ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months* |
| Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank. 2 | Special Instructions/QC Requirements. |

| Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: |
|---|---|---|---|

| | Relinquished by | Date/Time | Company | Received by | Date/Time | Company |
|---|---|---|---|---|---|---|
| 1 | Ben McLatchie | 7/22/24 @ 1320 | | | 7/23/24 930 | |
| 2 | | | | | | |
| 3 | | | | | | |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks: |
|---|---|---|
| | | Seal |

Ver: 04/02/2024

**Lisandra Torrez**




**From:** Cheyenne Cason
**Sent:** Wednesday, July 24, 2024 4:48 PM
**To:** Xenco - Houston Sample Custody
**Subject:** incorrectly shipped samples 8362-1 and -3

**Follow Up Flag:** Flag for follow up
**Flag Status:** Flagged

Verified Sender: This email is from an internal and/or verified domain which passed security verifications. Remember to still be cautious with personal data and follow company policies.

Hello,

We incorrectly shipped some samples would it be possible to get these bottles sipped to Eurofins Sacramento, 880 Riverside Parkway West Sacramento, CA 95605 Our fedex number is 187985773. You received 5 or 6 1 l amber glass bottles for each sample but should only have received 3. If you could ship 2 from each sample please, if you cannot ship to Sacramento could they be shipped back to us so we can send them to the correct lab. Thank you for your help!

| | | | |
|---|---|---|---|
| | Amber Glass 1 liter - unpreserve | [redacted] | 885-8362-T-1 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-U-1 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-V-1 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-W-1 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-X-1 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-Y-1 |
| | Amber Glass 1 liter - unpreserve | [redacted] | 885-8362-T-3 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-U-3 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-V-3 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-W-3 |
| | Amber Glass 1 liter - unpreserve | | 885-8362-X-3 |

Cheyenne Cason
Project Manager
Eurofins Albuquerque, NM (Formerly Hall Environmental)
4901 Hawkins NE, Albuquerque, NM, 87109
Office 505) 345-3975
Direct (505) 338-8812
Cheyenne.Cason@et.eurofinsus.com

**New webportal for samples submitted to our lab after 3/3/2024**
**https://eol.et.eurofinsus.com/myEOL/**

**Eurofins requests 2 week notice for bottle kits**

EESNO1 7.26.24 930 2.9c

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eurofins | Environment Testing

# Sacramento Sample Receiving Notes (SSRN)

Tracking # 777545663754

Job: ____ 885-8362 Field Sheet

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSL / OnTrac / Goldstreak / USPS / Other ____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations
File in the job folder with the COC

Therm. ID: L-11 Corr. Factor ( + / - ) ____ °C

Ice ____ Wet ____ Gel 1 Other ____

Cooler Custody Seal: Seal

Cooler ID ____

Temp Observed 2.7 °C Corrected 2.7 °C

From: Temp Blank ☐ Sample ☒

| Opening/Processing The Shipment | Yes | No | NA |
|---|---|---|---|
| Cooler compromised/tampered with? | ☐ | ☒ | ☐ |
| Cooler Temperature is acceptable? | ☒ | ☐ | ☐ |
| Frozen samples show signs of thaw? | ☐ | ☐ | ☒ |

Initials: ____ Date: 7.23.24

| Unpacking/Labeling The Samples | Yes | No | NA |
|---|---|---|---|
| Containers are not broken or leaking? | ☒ | ☐ | ☐ |
| Samples compromised/tampered with? | ☐ | ☒ | ☐ |
| COC is complete w/o discrepancies | ☒ | ☐ | ☐ |
| Sample custody seal? | ☐ | ☐ | ☒ |
| Sample containers have legible labels? | ☒ | ☐ | ☐ |
| Sample date/times are provided? | ☒ | ☐ | ☐ |
| Appropriate containers are used? | ☒ | ☐ | ☐ |
| Sample bottles are completely filled? | ☒ | ☐ | ☐ |
| Sample preservatives verified? | ☐ | ☐ | ☒ |
| Is the Field Sampler's name on COC? | ☐ | ☐ | ☒ |
| Samples w/o discrepancies? | ☒ | ☐ | ☐ |
| Zero headspace?* | ☐ | ☐ | ☒ |
| Alkalinity has no headspace? | ☐ | ☐ | ☒ |
| Perchlorate has headspace? (Methods 314, 331, 6850) | ☐ | ☐ | ☒ |
| Multiphasic samples are not present? | ☒ | ☐ | ☐ |

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: ____ Date: 7.23.24

Notes: ____

Trizma Lot #(s): 0000279286

Ammonium Acetate Lot #(s) ____

| Login Completion | Yes | No | NA |
|---|---|---|---|
| Receipt Temperature on COC? | ☒ | ☐ | ☐ |
| NCM Filed? | ☐ | ☐ | ☒ |
| Samples received within hold time? | ☐ | ☐ | ☒ |
| Log Release checked in TALS? | ☐ | ☐ | ☒ |

Initials: ____ Date: 7.23.24

eurofins | Environment Testing

# Sacramento Sample Receiving Notes (SSRN)

Tracking # 777605790315

Job:__ 885-8362 Field Sheet ___

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSL / OnTrac / Goldstreak / USPS / Other_____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC

Therm. ID: 511 Corr. Factor: ( + / - ) _____°C

Ice 1 Wet 1 Gel _____ Other _____

Cooler Custody Seal: _____

Cooler ID: _____

Temp Observed: 2.9 °C Corrected: 2.9 °C

From Temp Blank ☐ Sample ☒

| Opening/Processing The Shipment | Yes | No | NA |
|---|---|---|---|
| Cooler compromised/tampered with? | ☐ | ☒ | ☐ |
| Cooler Temperature is acceptable? | ☒ | ☐ | ☐ |
| Frozen samples show signs of thaw? | ☐ | ☐ | ☒ |

Initials: _____ Date: 7.26.24

| Unpacking/Labeling The Samples | Yes | No | NA |
|---|---|---|---|
| Containers are not broken or leaking? | ☒ | ☐ | ☐ |
| Samples compromised/tampered with? | ☐ | ☒ | ☐ |
| COC is complete w/o discrepancies | ☒ | ☐ | ☐ |
| Sample custody seal? | ☐ | ☐ | ☒ |
| Sample containers have legible labels? | ☒ | ☐ | ☐ |
| Sample date/times are provided? | ☒ | ☐ | ☐ |
| Appropriate containers are used? | ☒ | ☐ | ☐ |
| Sample bottles are completely filled? | ☒ | ☐ | ☐ |
| Sample preservatives verified? | ☐ | ☐ | ☒ |
| Is the Field Sampler's name on COC? | ☐ | ☐ | ☒ |
| Samples w/o discrepancies? | ☒ | ☐ | ☐ |
| Zero headspace?* | ☐ | ☐ | ☒ |
| Alkalinity has no headspace? | ☐ | ☐ | ☒ |
| Perchlorate has headspace? (Methods 314, 331, 6850) | ☐ | ☐ | ☒ |
| Multiphasic samples are not present? | ☒ | ☐ | ☐ |

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: _____ Date: 7.26.24

Notes: _____

Trizma Lot #(s) _____

Ammonium Acetate Lot #(s): _____

| Login Completion | Yes | No | NA |
|---|---|---|---|
| Receipt Temperature on COC? | ☒ | ☐ | ☐ |
| NCM Filed? | ☐ | ☐ | ☒ |
| Samples received within hold time? | ☒ | ☐ | ☐ |
| Log Release checked in TALS? | ☒ | ☐ | ☐ |

Initials _____ Date: 7.26.24

# Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

**Login Number: 8362**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

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

# Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

**Login Number: 8362**
**List Number: 4**
**Creator: Baker, Jeremiah**

**List Source: Eurofins Houston**
**List Creation: 07/23/24 01:51 PM**

| Question | Answer | Comment |
|---|---|---|
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |

# Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

**Login Number: 8362**
**List Number: 3**
**Creator: Simmons, Jason C**

**List Source: Eurofins Sacramento**
**List Creation: 07/23/24 11:22 AM**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | Seal |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 2.7c |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

**Login Number: 8362**

**List Number: 5**

**Creator: Simmons, Jason C**

**List Source: Eurofins Sacramento**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 2.9c |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

# Login Sample Receipt Checklist

Client: Daniel B. Stephens & Associates Inc.

Job Number: 885-8362-1

**Login Number: 8362**
**List Number: 2**
**Creator: Thornley, Richard W**

**List Source: Eurofins St. Louis**
**List Creation: 07/23/24 01:12 PM**

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

# ATTACHMENT 2

# FY 2025 WET SEASON COMPLETED DATA VERIFICATION AND VALIDATION (V&V) FORMS

**Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name: Compliance Monitoring Cooperative (CMC)**
**Year: FY 2025 (July 2024 – Wet Season Sample)**
**Project Coordinator: For Data Review and Reporting – SJG, BHI**
**V&V Reviewer: SJG**
**Data covered by this worksheet: Rio Grande (RG) North – 7/17/2024**
**Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)**

**Step 1: Verify Field Data**

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

| Missing Field Data Forms | Action Taken |
|---|---|
| | |
| | |

**Total number of occurrences: 0**

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station and Parameter | Action Taken | Re-verified? |
|---|---|---|
| | | |
| | | |

**Total number of occurrences: 0**

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station | Sampling Date | Parameter(s) Corrected | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

| Station/RID | Sampling Date | RID Corrected | Re-verified? |
|---|---|---|---|
| | | | |

**Total number of occurrences: 0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

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**Step 2: Verify Data Deliverables**

A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

| RID | Submittal Date | Missing Data/Parameters | Date of Initial Verification | Date Missing Data Were Received |
|---|---|---|---|---|
| | | | | |

**Total number of occurrences: 0**

**B. Do all of the analytical suites have the correct number and type of analytes.** ☐ Yes ☒ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

| RID | Submittal Date | Missing or Incorrect Parameters | Action Taken | Re-verified? |
|---|---|---|---|---|
| | . | Refer to Step 4 for list and missing analytes. | | |

**Total number of occurrences: 0**

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

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**Step 3: Verify Flow Data**

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

| Station | Sampling Date | Flow data missing or incorrect? |
|---|---|---|
| _____ | _____ | _____ |

**Total number of occurrences: 0**

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

| Station | Sampling Date | Flow data missing or incorrect? | Re-verified? |
|---|---|---|---|
| _____ | _____ | _____ | _____ |

**Total number of occurrences: 0**

**Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

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**Step 4: Verify Analytical Results for Missing Information or Questionable Results**

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

| RID | Sample Date | Missing or Questionable Information/Results | Action Taken |
|---|---|---|---|
| Rio Grande North | 7/17/2024 | Lab report did not include results for adjusted Gross Alpha. Gross alpha was well below the WQS, so not concerned with adjusted value not being reported. | Notified AMAFCA (CMC member) of the missing parameter. |
| Rio Grande North | 7/17/2024 | Lab report did not include results for PFAS (filtered). | Notified AMAFCA (CMC member) of the missing parameter. |

Eurofins Job ID: 885-8362-1.

**Total number of occurrences: 2**

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

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**Step 5: Validate Blanks Results**
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database? * |
|---|---|---|---|---|---|---|
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

**Total number of occurrences: 0**

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

---

**Step 6: Validate Holding Times Violations**
Were any samples submitted that did not meet specified holding times? ☒ Yes ☐ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database to ALL associated data?* |
|---|---|---|---|---|---|---|
| Rio Grande North | 7/17/2024 | BOD | | Yes. North sample held until qualifying event confirmed. Hold time violation expected. | H | Yes |
| Rio Grande North | 7/17/2024 | COD | | Yes. North sample held until qualifying event confirmed. Hold time violation expected. | H | Yes |

*See validation procedures to determine which associated data need to be flagged.
*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.

The BOD has a hold time flag. The Rio Grande North sample was held until the CMC was sure the monitoring event was a qualifying storm event. This led to the hold time flag for BOD.

**Total number of occurrences: 2**

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

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**Step 7: Validate Replicate/Duplicate Results (if applicable)**
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID Pairs | | Replicate or Duplicate? | Sample Date | Parameter | RPD | Validation Code/Flag Applied | Code/Flag verified in database applied?* |
|---|---|---|---|---|---|---|---|
| Rio Grande North | Lab Duplicate | Lab Duplicate | 7/17/2024 | 1 Semivolatile Organic Compound, Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP) - 2.2 | | yes | *+ |

**Total number of occurrences: 1**

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 4/7/2025

**********

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



4/7/2025

Data Verifier/Validator Signature Date

**COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS**

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

## Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

| Validation Code | Definition | WQX Equivalent |
|---|---|---|
| A1 | Sample not collected according to SOP | |
| B1 | Chemical was detected in the field blank at a concentration less than 5% of the sample concentration. | |
| BN | Blanks NOT collected during sampling run | |
| BU | Detection in blank. Analyte was not detected in this sample above the method's sample detection limit. | BU |
| RB1 | Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes. | B |
| R1 | Rejected due to incorrect sample preservation | R |
| R2 | Rejected due to equipment failure in the field | R |
| R3 | Rejected based on best professional judgment | R |
| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
| PD1 | Percent difference between duplicate samples excessive | |
| S1 | Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit." | |
| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |

**Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name: Compliance Monitoring Cooperative (CMC)**
**Year: FY 2025 (July 2024 – Wet Season Sample)**
**Project Coordinator: For Data Review and Reporting – SJG, BHI**
**V&V Reviewer: SJG**
**Data covered by this worksheet: Alameda – 7/17/2024– E. coli Only Sample**
**Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)**

**Step 1: Verify Field Data**

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

| Missing Field Data Forms | Action Taken |
|---|---|
| _____ | _____ |
| _____ | _____ |

**Total number of occurrences: 0**

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station and Parameter | Action Taken | Re-verified? |
|---|---|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

**Total number of occurrences: 0**

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station | Sampling Date | Parameter(s) Corrected | Re-verified? |
|---|---|---|---|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

**Total number of occurrences: 0**

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

| Station/RID | Sampling Date | RID Corrected | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 2: Verify Data Deliverables**
A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

| RID | Submittal Date | Missing Data/Parameters | Date of Initial Verification | Date Missing Data Were Received |
|---|---|---|---|---|
| | | | | |
| | | | | |

**Total number of occurrences: 0**

**B. Do all of the analytical suites have the correct number and type of analytes.** ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

| RID | Submittal Date | Missing or Incorrect Parameters | Action Taken | Re-verified? |
|---|---|---|---|---|
| | | | | |
| | | | | |

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 3: Verify Flow Data**

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

| Station | Sampling Date | Flow data missing or incorrect? |
|---|---|---|
| | | |
| | | |

**Total number of occurrences: 0**

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

| Station | Sampling Date | Flow data missing or incorrect? | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

**Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 4: Verify Analytical Results for Missing Information or Questionable Results**

Were any results with missing/questionable information identified? ☐ Yes ☒No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

| RID | Sample Date | Missing or Questionable Information/Results | Action Taken |
|---|---|---|---|
| | | | |

**Total number of occurrences: 0**

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 5: Validate Blanks Results**
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database? * |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

**Total number of occurrences: 0**

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 6: Validate Holding Times Violations**
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database to ALL associated data?* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged.
**Total number of occurrences: 0**

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 7: Validate Replicate/Duplicate Results (if applicable)**
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID Pairs | | Replicate or Duplicate? | Sample Date | Parameter | RPD | Validation Code/Flag Applied | Code/Flag verified in database applied?* |
|---|---|---|---|---|---|---|---|
| _____ | _____ | _____ | _____ | _____ | _____ | | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | | _____ |

N/A – no duplicate/replicate results

**Total number of occurrences: 0**

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

**********

After all of the above steps have been completed, save and print the worksheet, attach all applicable supplemental information and sign below.

I acknowledge that the data verification and validation process has been completed for the data identified above in accordance with the procedures described in the CMC QAPP, SOP #2



3/4/2025

Data Verifier/Validator Signature Date

**COMPLETION OF DATA VERIFICATION AND VALIDATION PROCESS**

Once the data verification and validation process has been completed for the entire study (note: if the worksheet is for a subset of the data from a study, be sure ALL the data for the entire study is included before final completion of the data verification and validation process), notify the NMSQUID administrator that the process is complete and request that “V V in STORET” be added to the project title.

Once all data have been verified and validated for a study provide copies of ALL *Data Verification and Validation Worksheets* and attachments associated with the study to the Quality Assurance Officer and retain originals in the project binder.

## Attachment 1.2 SWQB Validation Codes

When deficiencies are identified through the data verification and validation process, AMAFCA documents or "flags" the deficiencies by assigning validation codes. All data collected from the last compliant QC sample and up to the next compliant QC sample are assigned validation codes. The validation code alerts the data user that the results are outside QA control limits and may require re-sampling or a separate, qualitative analysis based on professional judgment.

| Validation Code | Definition | WQX Equivalent |
|---|---|---|
| A1 | Sample not collected according to SOP | |
| B1 | Chemical was detected in the field blank at a concentration less than 5% of the sample concentration. | |
| BN | Blanks NOT collected during sampling run | |
| BU | Detection in blank. Analyte was not detected in this sample above the method's sample detection limit. | BU |
| RB1 | Chemical was detected in the field blank at a concentration greater than or equal to 5% of the sample concentration. Results for this sample are rejected because they may be the result of contamination; the results may not be reported or used for regulatory compliance purposes. | B |
| R1 | Rejected due to incorrect sample preservation | R |
| R2 | Rejected due to equipment failure in the field | R |
| R3 | Rejected based on best professional judgment | R |
| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
| PD1 | Percent difference between duplicate samples excessive | |
| S1 | Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit." | |
| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |

**Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name: Compliance Monitoring Cooperative (CMC)**
**Year: FY 2025 (July 2024 – Wet Season Sample)**
**Project Coordinator: For Data Review and Reporting – SJG, BHI**
**V&V Reviewer: SJG**
**Data covered by this worksheet: Rio Grande South – 7/19/2024**
**Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)**

**Step 1: Verify Field Data**

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

| Missing Field Data Forms | Action Taken |
|---|---|
| _____ | _____ |
| _____ | _____ |

**Total number of occurrences: 0**

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station and Parameter | Action Taken | Re-verified? |
|---|---|---|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

**Total number of occurrences: 0**

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

| Station | Sampling Date | Parameter(s) Corrected | Re-verified? |
|---|---|---|---|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

**Total number of occurrences: 0**

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

| Station/RID | Sampling Date | RID Corrected | Re-verified? |
|---|---|---|---|
| | | | |
| | | | |

**Total number of occurrences: 0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 3: Verify Flow Data**

*Note – Not Applicable – no flow data provided with CMC sample collection

A. Identify incorrect or missing data on the flow calculation spreadsheet and correct errors.

| Station | Sampling Date | Flow data missing or incorrect? |
|---|---|---|
| | | |

**Total number of occurrences: 0**

B. Identify incorrect or missing discharge measurements, correct errors in database and re-verify.

| Station | Sampling Date | Flow data missing or incorrect? | Re-verified? |
|---|---|---|---|
| | | | |

**Total number of occurrences: 0**

**Not Applicable**

☐ **Step 3 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 4: Verify Analytical Results for Missing Information or Questionable Results**

Were any results with missing/questionable information identified? ☒ Yes ☐ No

If no, proceed; if yes, indicate results with missing information or questionable results or attach report. Contact data source and indicate action taken. Complete this step upon receipt of missing information or clarification of questionable results (clarify questionable results only, DO NOT change results without written approval (from lab or QA officer) and associated documentation).

| RID | Sample Date | Missing or Questionable Information/Results | Action Taken |
|---|---|---|---|
| Rio Grande South | 7/19/2024 | Lab report did not include results for adjusted Gross Alpha. Gross alpha was well below the WQS, so not concerned with adjusted value not being reported. | Notified AMAFCA (CMC member) of the missing parameter. |
| Rio Grande South | 7/19/2024 | Lab report did not include results for PFAS (filtered). | Notified AMAFCA (CMC member) of the missing parameter. |

*Note – Eurofins Job ID: 885-8362-1

**Total number of occurrences: 2**

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 5: Validate Blanks Results**
Were any analytes of concern detected in blank samples? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager, with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes have been added to database correctly.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database? * |
|---|---|---|---|---|---|---|
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged and include on *Validation Codes Form*.

**Total number of occurrences: 0**

☒ **Step 5 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 6: Validate Holding Times Violations**
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID | Sample Date | Parameter | [Blank] | [Sample] | Validation Code/Flag Applied | Code/Flag verified in database to ALL associated data?* |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |

*See validation procedures to determine which associated data need to be flagged.
*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.
**Total number of occurrences: 0**

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

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**Step 7: Validate Replicate/Duplicate Results (if applicable)**
Were any replicate/duplicate pairs submitted outside of the established control limit of 20%?
☒ Yes ☐ No
If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

| RID Pairs | | Replicate or Duplicate? | Sample Date | Parameter | RPD | Validation Code/Flag Applied | Code/Flag verified in database applied?* |
|---|---|---|---|---|---|---|---|
| Rio Grande South | Lab Duplicate | Lab Duplicate | 7/19/2024 | 1 Semivolatile Organic Compound, Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP) - 2.2 | | yes | *+ |

**Total number of occurrences: 1**

☒ **Step 7 Completed** ***Initials:*** SJG ***Date:*** 3/4/2025

**********

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3/4/2025

Data Verifier/Validator Signature Date

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| D1 | Spike recovery not within method acceptance limits | |
| F1 | Sample filter time exceeded | |
| J1 | Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample | J |
| K1 | Holding time violation | H |
| Ea | Estimated-Incubation temperature between 35.5 and 38.0° Celsius | |
| Er | Rejected-Incubation temperature < 34.5 or >38.0° Celsius | |
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| S2 | Data are suspect but deemed usable based on best professional judgment; documentation of justification is required and should be included in the Data Verification and Validation Packet and reported with results | |
| Z1 | Macroinvertebrate data did not meet QC criteria specified in Section 2.5 of QAPP | |
| H1 | Habitat data did not meet QC criteria specified in Section 2.5 of QAPP | |