

# 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

NMR04A014 City of Albuquerque

Name of MS4

Shellie

Eaton

PE, Section Manager

Name of Contact Person (First)

(Last)

(Title)

(505) 768-2774

seaton@cabq.gov

Telephone (including area code)

E-mail

PO Box 1293, City of Albuquerque, Dept of Municipal Development, Attn: Shellie Eaton

Mailing Address

Albuquerque

NM

87103

City

State

ZIP code

What size population does your MS4 (s) serve? 557000

NPDES number

What is the reporting period for this report? (mm/dd/yyyy) From 2023-07-01 to 2024-06-30

### 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	
		Yes	No	Yes	No
Middle Rio Grande	E-coli	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Middle Rio Grande	Temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Middle Rio Grande	Polychlorinated Biphenyls in Fis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Middle Rio Grande	Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**2. B. Continued**

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
Middle Rio Grande	Mercury	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

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

Pet waste, household hazardous waste, trash and debris (including natural vegetation), sediments, automotive fluids and detergents. A "floatables study" and microbial source testing have been performed. Birds are primary source of E-coli. See Item 10.

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?

Our public education program targets pet waste, household hazardous waste, trash and debris (including natural vegetation), sediments, automotive fluids, detergents, fertilizers, pesticides.

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.

Survey showed that over 90% of individuals understood the importance of pollution prevention and valued improved stormwater quality. One household hazardous recycling event resulted in the participation of 152 residents. See details in Item 10.

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  $\geq$  1 acre in operation in your jurisdiction at any time during the reporting period.

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

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

Once every 6 months for sites with no violations, weekly for follow-up inspections

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

If Yes, based on what criteria?

Sites that have violations of CGP are weekly

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:

- |   |                       |   |              |                                     |
|---|-----------------------|---|--------------|-------------------------------------|
| <input checked="" type="checkbox"/> Yes | Notice of violation   | <input type="text" value="62"/>                         | No Authority | <input type="checkbox"/>            |
| <input checked="" type="checkbox"/> Yes | Administrative fines  | <input type="text" value="15"/>                         | No Authority | <input type="checkbox"/>            |
| <input type="checkbox"/> Yes            | Stop Work Orders      | <input type="text"/>                                    | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes            | Civil penalties       | <input type="text"/>                                    | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes            | Criminal actions      | <input type="text"/>                                    | No Authority | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> Yes            | Administrative orders | <input type="text"/>                                    | No Authority | <input checked="" type="checkbox"/> |
| <input checked="" type="checkbox"/> Yes | Other                 | <input type="text" value="Second notice of violation"/> |              |                                     |

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?

SWPPP Violations (unavailable, out-of-date), BMPs (missing, maintenance/repair), Permit Coverage Posting (Missing)

J. How often do municipal employees receive training on the construction program?

### 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.

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?

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?

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

Complaints regarding spills are investigated immediately (see item 10). The 40 Dry Weather Screening outfalls are screened annually during the Dry Season--typically November through April (see item 10 for more information).

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? see item 10
- K. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? All Complaints
- L. How often do municipal employees receive training on the illicit discharge program? Annually (appropriate dep

**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 All COA golf courses and warehouses have SWPPPs for their operations. General Parks and Open Spaces do not.

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

C. If Yes, at what frequency are inspections conducted? It depends. See Item

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

Construction activities, detention pond cleaning, storm inlet and drain cleaning, fueling operations, storage of hazardous and non-hazardous materials, general good housekeeping operations, landfill operations

- 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?

Most frequent inspections occur at facilities that require a MSGP (Solid Waste, Street Maintenance and Transit). Good Housekeeping inspections are performed at general maintenance facilities quarterly. Monthly if the facility has had ongoing issues.

- 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?

All training is on-line. Annual refreshers are required for existing staff and new hires. On the spot training also occurs during inspections, 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?

None required at this time.

- 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.)?

Per COA ordinance the following projects are reviewed: 1. more than 500 cu yard earthwork or more than 1 ac disturbed; 2. Buildings 1000 sq ft or more; 3. Paving 10,000 sq ft or more; 4. any fill placed in a floodplain.



- 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.

<https://codelibrary.amlegal.com/codes/albuquerque/latest/overview> (cut and paste address into browser, code 14-5-2-1)

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

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

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

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

K. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections?

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?

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?

## 8. Program Resources

A. What was the annual expenditure to implement MS4 permit requirements this reporting period?

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

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:  Amount \$  OR %

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)?

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

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
AMAFCA, SCAFCA	Sampling and Monitoring Wet Weather	Memo of Understanding
AMAFCA, SCAFCA	Education and Outreach	Memo of Understanding
AMAFCA, SCAFCA	General Watershed Based Permit Implem	Memo of Understanding

**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
<i>Example: E. coli</i>	2003	Weekly April–September	20
311 Complaint System Responses to IDDE	2003	As reported; number varies per year	Varies
Student and General Public Education and Outreach	2006	Reporting annually; events held regularly	Varies
Dry Weather Screening	2003	Annually	40 locations
Good Housekeeping Inspections	2012	Quarterly to Monthly (if needed)	41 locations
City Employees Taking SWPPP or SPCC training	2020	Annually	554 employees

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.

<https://www.cabq.gov/municipaldevelopment/our-department/engineering/storm-water-management/municipal-separate-storm-sewer-system-ms4-permit>

**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.

Name of Certifying Official, Title

Date (mm/dd/yyyy)

**CITY OF ALBUQUERQUE**  
**Annual Report for Fiscal Year 2024 (FY24)**  
**July 1, 2023 to June 30, 2024**  
**NPDES PERMIT NMR04A000, Effective Date December 22, 2014**  
**eNOI Application Date June 21, 2015**

**ITEM 10 Additional Information**

I.C. Special Conditions

*1. Compliance with Water Quality Standards*

d. Dissolved Oxygen (DO): The Arroyo Metropolitan Flood Control Authority (AMAFCA) has installed aeration devices in areas prone to stagnation and monitors the DO in these areas. Results collected by the Compliance Monitoring Cooperative (CMC) in the Rio Grande during the permit term and in this period of administrative continuance indicate that stormwater runoff does not contribute to low DO conditions.

e. Polychlorinated Biphenyls (PCBs): The City of Albuquerque (COA) began a sediment assessment study in FY16 which was completed in FY17 with a final letter report submitted in FY18 on July 10, 2017. Under this study, soil samples were taken from the 5 outfall locations monitored under the former Phase 1 permit NMS000101 as well as from up and down stream locations along the Rio Grande. These samples were analyzed for PCBs using the Aroclor method. Detection of PCBs at any of these locations resulted in further sampling and analysis of upstream areas. Twelve locations were ultimately screened for both PCBs and select metals in the Phase II Assessment based upon the results of the original study. The Synthetic Precipitation Leaching Procedure (SPLP) was used to analyze the following metals: aluminum, cadmium, chromium, lead, nickel, and zinc. No PCBs were found in any of the sediment samples at concentrations above the detection limits that ranged from 0.019 to 0.2 milligrams per kilogram (mg/kg) for the six aroclors analyzed. Both studies are available in the FY17 Annual Report under Attachment 1. The Phase II Assessment was also included in the FY18 Annual Report under Attachment 1. As discussed in the Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy, submitted last year in FY19 under Attachment 1, recent investigations did not identify any sources of PCBs in the Albuquerque metropolitan area that represent a continuing impact to the waters of the Rio Grande.

f. Temperature: AMAFCA continues to monitor temperature in the Rio Grande and at the North Diversion Channel through the deployment of sondes. Analysis of stormwater flows for temperature under the former Phase 1 permit indicates no contribution to temperature exceedances in the Middle Rio Grande and continues to indicate no contribution to any potential temperature exceedances. Results collected by the Compliance Monitoring Cooperative (CMC) during the permit term and in this period of

administrative continuance indicate that stormwater runoff does not contribute to high temperature conditions.

## *2. Discharges to Impaired Waters with and without approved TMDLs*

b(i)(c)B: The Monitoring Cooperative successfully implemented the sampling plan approved in the summer of 2016 and over the course of the permit term, submitted the results of 7 storm events collected from 2 locations in the Rio Grande at the northern or upstream (Angostura Diversion Dam) and at the southern or downstream (Isleta Diversion Dam) boundaries of the watershed as required by the Watershed Based Permit (WBP). Samples from 4 events during the wet season and 3 events during the dry season were collected meeting the WBP sampling criteria of 7 samples with 3 events from the wet season and 2 events from the dry season. Results from the WBP required sampling events were provided in the FY17, FY18, and FY19 Annual reports as well as submitted electronically into EPA's NetDMR system.

The WBP expired on December 19, 2019 and has been administratively continued. A letter submitted to the EPA by the Middle Rio Grande Technical Advisory Group discusses its members' intent to continue operations under coverage of the administratively extended permit (see Attachment 1 of the FY20 Annual Report). Although no additional monitoring is required during the period of administrative continuance, agencies participating in the Monitoring Cooperative have continued to fund sampling efforts. These results are provided in Attachment 1 of each year's Annual Report.

Two dry season, wet weather samples were collected in FY24, and both were qualifying storm events. The dates were December 13, 2023 and June 26, 2024. Dry Season Wet Weather Monitoring Results are included as Attachment 1 in this year's FY24 report. Impairments to the Middle Rio Grande include E. coli bacteria, PCBs, gross alpha, dissolved Oxygen, mercury and temperature. In addition to the impairments, a list of other potential contaminants that were found in stormwater samples collected at select outfall locations in years prior to implementation of the WBP are also monitored. Of these constituents, only E. coli bacteria have an approved Total Maximum Daily Load (TMDL), a permit compliance item.

Dry season sampling occurred at three locations along the Rio Grande, and a map can be seen in Attachment 1. E coli was present at North Angostura Diversion Dam, (the northernmost sampling point), at Alameda (city), and South Isleta Diversion Dam (southernmost sampling). For the north segment, the waste load allocation (WLA) was acceptable in the June event, but had a potential exceedance in December 2023. For the south river segment, the WLA had a potential exceedance for both storm events. The WLA is the compliance measurement for the requirements in the TMDL.

The COA continues its work to reduce E. coli loads through the pet waste education and outreach program. Dog waste had been estimated to contribute about 22% of the fecal coliform bacteria to the Middle Rio Grande watershed in a microbial source tracking (MST) study completed in 2004. A new MST that uses quantitative polymerase chain reaction (qPCR) analysis and fecal indicator bacteria (FIB) by E. coli enumeration was

scoped and commissioned by the COA in FY17 at cost of about \$250,000. The Quality Assurance Program Plan (QAPP) and sampling and analysis plan (SAP) were prepared in FY17 and sample collection and analysis were completed in FY19. The results of this study indicated the presence of moderate canine markers in channels, drains, and arroyos in the northeast and northwest parts of the watershed. Weak human markers were also indicated near some of the bridges as well as downstream of the sanitary reclamation facility. A copy of the finalized report was provided as Attachment 2 Completion Report for Microbial Source Tracking Program in the FY20 Annual Report.

The Middle Rio Grande Storm Water Quality Team (MRGSWQT) provides support for various programs within the Middle Rio Grande. In FY19, this multi-jurisdictional collaboration funded a master student's thesis that studied E coli presence in the river. The results of the thesis showed that E. coli are harbored in riverbed sediments and ultimately the net direction of E. coli transfer (river water to sediment or sediment to water) is unknown. The MRGSWGT also funded dry weather E. coli data collection by college students as part of the Bosque Ecosystem Monitoring Program (BEMP) to better understand the baseline concentration of E. coli prior to storm events.

b(i)(e)A,C,D,E: The COA continues to work with the Albuquerque Bernalillo County Water Utility Authority (WUA) to make improvements to its pump and lift stations. The WUA provides the COA and AMAFCA with copies of Discharge Monitoring Reports (DMRs) each month that report sanitary overflows, should any have occurred, and corresponding disinfection and clean-up efforts. During FY24, one illegal cross connection was reported and the connection was corrected.

b(i)(e)C: The Environmental Health Department continues to work with restaurants to reduce waste sources of bacteria from grease traps.

b(i)(e)D. The Storm Drainage Section continues to work with BioPark staff and perform quarterly Good Housekeeping inspections in an effort to ensure that bacteria from animal waste are not discharged to the MS4.

b(i)(e)E. The COA contributes funding, \$45,000 in FY24, to and participates as a founding member of the Storm Water Quality Team. The Team continues education and outreach efforts to educate residents on the effects of bacteria associated with improper pet waste disposal. RiverXchange educational programs led by Ciudad Soil & Water Conservation District were again funded in FY24. This program supported 42 teachers from local public schools for in-class learning and field trips of 897 5<sup>th</sup> grade students. More detailed information on these Rio Grande water education programs can be provided upon request. The COA also works with both the Team and the WUA to educate the public with regards to proper oil and grease disposal and the potential for sanitary overflows due to clogged plumbing.

b(i)(e)F. The COA passed a city-wide ordinance to promote the application of green stormwater infrastructure to capture excess runoff and pollutants in FY24. This ordinance is designed "to facilitate water filtration, improve water retention and soil health, and to help recharge the water table". As part of this city effort, the DMD will include features like bioswales, soil sponges, and rainwater collection on new projects. See attachment 6 for the complete ordinance adopted May 20, 2024.

b(iii)(c): The COA continues to work with Bernalillo County (BernCo) and the NM Department of Transportation (NMDOT) on a joint sampling program in the Tijeras Arroyo. A total maximum daily load for nutrients was approved by the Water Quality Control Commission on September 12, 2017. As a result, the COA has begun to develop Best Management Practices (BMPs) to minimize impacts, if any, due to potential contributions from the urbanized area that makes up about 1% of the watershed.

In addition, during the late spring of FY18, the COA began work on a joint funding agreement (JFA) with the Ciudad Soil Water and Conservation District for the preparation of a Watershed Based Plan (WBP) for the Upper Tijeras Arroyo. The JFA was signed in September 2018 and a request for proposals to prepare the WBP was issued in early 2019. The winning proposal was selected in February 2019 and was provided in the FY19 Annual Report under Attachment 5. A draft WBP was submitted to the New Mexico Environment Department Surface Water Quality Bureau for comment in July 2021 and was finalized in late December 2021.

The COA Open Space Division (OSD) created the Tijeras Arroyo Bio-Zone Resource Management Plan for a 3.7 mile stretch of the arroyo along Tijeras Creek in 2014 with a goal of conserving native vegetation and wildlife habitat and restoring vegetation and wildlife where feasible. The COA is actively working on purchasing property in the arroyo for this purpose. In addition, the OSD and partners (Carnuel Land Grant, Village of Tijeras, Bernalillo County Open Space) are preparing the Tijeras Creek Cultural Corridor Plan that will help the COA and its partners identify cultural and biological themes and assist in planning natural resource objectives. In FY24, an educational center was opened and community trailhead is planned for the future. There are also online resources located at this URL: <https://storymaps.arcgis.com/stories/7ac34a4edaea49bfb89a08221e1e62ef>.

### *3. Endangered Species Act (ESA) Requirements*

a(i) AMAFCA has filled in the low-lying area between the discharge point of the North Diversion Channel (NDC) and the Rio Grande. This area was prone to stagnation and had the potential to develop low DO which could be flushed into the Rio Grande during storm events. AMAFCA continues to monitor this area for DO. The COA continues to install water quality features, such as trash racks and water quality manholes in efforts to collect and reduce trash and debris that contribute to the DO problem.

a(ii) AMAFCA has submitted a revised strategy for reduction of pollutants contributed by the embayment. As stated above, the embayment has been filled in. Annual Incident Take Reports are submitted by AMAFCA to the EPA and Fish and Wildlife Service (FWS).

b(i) See also item 1.e. The COA performed two Sediment Assessment Studies that included an analysis of PCBs and SPLP metals in soils. The first, finalized in October 2016 assessed sediments from 5 major outfall locations. The second, completed in July 2017, further examined potential upstream sources, if any. No PCBs were reported. Metals in general, with the exceptions of Aluminum (Al) and Zinc (Zn) were present at concentrations below detection limits. Detected Al concentrations in the soil ranged from 1.9 to 11 mg/L. Detected Zn concentrations ranged from 0.022 to 0.048 mg/L. The Phase II assessment was provided in the FY18 Annual Report under Attachment 1. The Phase I Assessment was included in the FY17 Annual Report under Attachment 1.

b(iv) A Progress Evaluation Report for the Sediment Pollutant Load Reduction Strategy was submitted in the FY19 Annual Report under Attachment 1. This report was prepared using the results of several previous studies submitted by the COA including data from the Sediment Assessments as well as the USGS Summary of Urban Stormwater Quality in Albuquerque, 2003-2012. Additional data, provided by Bernalillo County, Southern Sandoval County Arroyo Flood Control Authority (SSAFCA) and AMAFCA, was used to provide baseline sediment loading and relative potential for contamination by these sediments from urban activities for areas draining to the Rio Grande. The results of this study pinpointed areas of highest sediment discharge into the Rio Grande during the permit period, which included the North Diversion Channel and Tijeras Arroyo. Although many BMPs, such as ponds, trash racks, and other water quality structures are already in place to reduce pollutants and sediment loads to these drainages, additional projects to improve water quality will continue to be implemented.

#### I.D. Stormwater Management Program (SWMP)

A copy of the updated SWMP adapted for compliance under NMR04A000 was included with the first full Annual Report on December 1, 2016. A subsequent update was prepared and submitted in FY19, year 4 of the permit cycle, per requirements (page 7 of Part III, Section B). A copy of the SWMP is available on the COA's DMD MS4 webpage: <http://www.cabq.gov/municipaldevelopment/documents/swmp-11-24-2019-submitted.pdf>. Copies are also available on compact disks that can be mailed to regulators, stakeholders, and others upon request.

#### *5b. Post-Construction Stormwater Management in New Development and Redevelopment*

(i) and 7.E (Annual Report Format) The COA's Planning Hydrology Department reviews plans for new development and redevelopment projects that address storm water runoff when one acre or more are disturbed. The allowable discharge is determined on a site-by-site basis and is determined by the COA's and AMAFCA's Drainage Management Plans that freely discharge in some locations and 0.1 cubic foot per second per acre (cfs/ac) in others based upon downstream capacity, not on historic flows.

(ii)(a) Twenty structural stormwater quality features have been installed since the WBP effective date of December 22, 2014. A listing, map, and description of all of the COA's water quality features have been included in this report as Attachment 3. No new features were installed in FY24. Information regarding the COA's ponds, dams, and cattle guards, which also serve to capture trash, debris, and sediment is available upon request.

(ii)(b) An ordinance increasing the volume of capture of the 80<sup>th</sup> and 90<sup>th</sup> percentile storm events and supplying provisions for inspection of post construction stormwater controls and enforcement to ensure compliance was introduced to City Council on January 3, 2018, passed on September 17, 2018, and sent to the Mayor for signature on September 25, 2018. Click on the following link for an electronic copy of the ordinance [https://codelibrary.amlegal.com/codes/albuquerque/latest/albuquerque\\_nm/0-0-0-19774#JD\\_Chapter14Article5Part2](https://codelibrary.amlegal.com/codes/albuquerque/latest/albuquerque_nm/0-0-0-19774#JD_Chapter14Article5Part2).

(ii)(c) Prior to private development construction, Planning Hydrology staff review and approve BMPs designed to capture the 80<sup>th</sup> and 90<sup>th</sup> percentile storm events. Planning Hydrology building construction and stormwater quality inspection staff then oversee



compliance with federal and local permits during the Construction Phase. Once constructed and permitted, information regarding these features is provided to the Storm Drainage Section for follow up during the Post-Construction phase. Subsequently, Storm Drainage Section staff investigate complaints related to these features and perform inspections of them every 5 years to ensure proper maintenance. This year 174 reviews of newly constructed “first flush” water quality features were conducted by Planning Hydrology personnel and 195 inspections of features installed within the past 5 years were conducted by Storm Drainage staff. The Storm Drainage post-construction inspection count is shown in Attachment #5. The 5-year Post Construction inspections are required by the COA’s Drainage Ordinance discussed above in (ii)(b).

(vi) Approximately 384 acres of impervious area (IA) was added to the Albuquerque Metropolitan area in FY24. See Attachment 3, Impervious Area Added for a listing. Of this area, roughly 95% drains to first flush ponds and regional features which collect dirt, debris, and trash. Therefore, the directly connected impervious area (DCIA) added in FY24 was 19.2 acres. The methodology for estimating impervious area is based on land use codes and was sent to EPA in the 2013 Annual Report under the former Phase 1 permit NMS000101.

(vii) The COA’s Master Drainage Plan provides a ranking of MS4-owned properties for flood control projects including retrofits. In addition to those identified in the Master Drainage Plan, the COA installs retrofits during construction activities on an as-needed basis or as funding becomes available.

#### *5c. Pollution Prevention/Good Housekeeping for Municipal/Co-permittee Operations*

(i)(a) Storm Drainage Inspection staff work with COA facility maintenance personnel to ensure training regarding permit compliance requirements, site-specific best management practices, and spill response procedures is provided. This training is conducted annually and provided to all staff via online presentations. In addition, inspections of maintenance facilities are performed quarterly at a minimum. Inspection staff conducted 117 Good Housekeeping inspections at COA facilities in FY24.

#### *5d. Industrial and High Risk Runoff*

(vi) In FY24, COA in-house inspectors performed phone inspections of industrial and high-risk private facilities requiring a Multi Sector General Permit (MSGP). 17 COA facilities that are permitted under the MSGP were inspected each quarter by storm drainage inspectors during this time. Additionally, monthly inspections were performed by COA solid waste inspectors at Cerro Colorado Landfill in FY24.

#### *5e. Illicit Discharges and Improper Disposal*

(i)e, ii The COA implemented a 311 complaint system to report illicit discharges in the mid-2000s. In FY24 the COA added capacity in GIS to allow inspectors to provide information and pictures while out in the field. There were eighty-two 311 calls recorded on the old tracking system and 25 separate cases on the new ArcGIS Pro system for a total of 107 reports filed. See Attachment 4 for a map showing the locations of discharges and a listing of the types of discharges. Individual reports, including more detailed descriptions, photos, and resolution are available upon request.

(iv)A,C The Storm Drainage Section of the Department of Municipal Development (DMD) coordinated with the Solid Waste Department (SWD) to host one Household Hazardous Waste (HHW) recycling event in FY24. 152 residents participated in the event, held on March 30, 2024, during which approximately 13,425 pounds (lbs) of HHW and non-regulated solid waste were collected or just over 88 lbs/customer.

In addition, 13,096 participants disposed of 541,139 lbs of HHW throughout FY24 at the HHW collection center run by a contractor on behalf of the COA SWD. Of this amount, about four-fifths were recycled (429,453 lbs) and diverted from the landfill. This was about a 40% increase over FY23. An additional 12,414 lbs of materials were submitted by 1674 individuals for reuse at the Material Reuse Center, which was about 20% less participation from FY23.

(vii) In addition to using the 311 complaint system to pinpoint illicit discharges, the COA implemented an Illicit Discharge Detection and Elimination (IDDE) inspection program in FY16 to mitigate the influence of discharges with lower risk but higher likelihood of occurrence. At the onset of the program, a local environmental consulting firm was hired to supply staff to perform these inspections. These inspection results were summarized in a report submitted in the FY19 Annual Report as Attachment 9. The COA hired an inspector supervisor and 3 inspectors as permanent employees in FY17 to assist in IDDE inspection and data tracking efforts. In late FY18, COA inspectors took over the IDDE inspection program. 107 IDDE complaints were investigated by COA engineers and inspectors in FY24. In FY24, the COA added an additional permanent stormwater inspector to the staff for a total of four stormwater inspectors.

#### *5f. Control of Floatables Discharges*

(iii). Street Sweeping crews picked up approximately 4,297 tons of dirt and debris from 29,925 miles of COA Right of Way in FY24. Dirt comprises about 65% of the material picked up by street sweepers with debris making up the remaining 35%. Of the debris, roughly 70% is vegetation. The remaining waste is comprised of plastics (bottles, bags, containers/lids) at 15%, paper and cardboard at 10%, and metal at 5%.

In addition, the COA's Arroyo Maintenance Section cleaned over 1,644 cubic yards of dirt, trash, debris, and vegetation from the storm drain system during FY24.

#### III.A. Monitoring and Assessment

1. Wet Weather Reporting: Permit requirements called for the submission of 7 samples by the end of the permit term. To cooperatively meet this requirement, the CMC submitted a sampling and analysis plan to EPA Region 6 for approval in June 2016. The CMC collected compliance samples through the rest of the permit term and in FY19 collected the one remaining sample required by the permit. The permit expired on December 19, 2019 and no further sample collection efforts are required. However, as a good faith effort, the COA and other CMC members have continued to fund sampling efforts during this period of administrative continuance. As discussed on page 2 under "Discharges to Impaired Waters", one in-stream sample was collected during the wet season in FY24. The results are provided in Attachment 1 of this report. Results indicate that E. coli waste load allocations were acceptable in both the northern and southern segments of the Middle Rio Grande during this wet season sampling event.

2. Dry Weather Reporting: Dry weather screening is performed at 40 locations (24 direct discharge points to the Rio Grande and an additional 16 locations to assess subwatersheds). See Attachment 5 for results.

3. Floatables Reporting: See item 5f above. In addition, an estimated 62 cubic yards of floatables were removed from the Barelmas Pump Station in FY24, the COA's selected floatables monitoring location. AMAFCA provides the information on floatables monitoring in the NDC.

4a. Industrial and High Risk Reporting: The COA's landfill is located outside of the MS4 and drains to the Rio Puerco rather than the Rio Grande. Nonetheless, the landfill is permitted under the federal MSGP.

4.b COA's transfer stations, solid waste station at Pino Yards, transit stations, warehouse and streets facilities, all located within the MS4, are classed as sector P. Because of sporadic localized events that often occur during evening, weekends and other non-work hours, it is often difficult to obtain results. Quarterly visual inspections are completed and samples are taken when possible. Copies of inspections are available upon request. Per changes in the 2021 MSGP, which went into effect on March 1, 2021, monitoring for appropriate constituents took place at all permitted facilities in FY24 and were reported in the NetDMR system. These samples are collected via a combination of passive and auto sampling techniques. Copies of the DMRs are available upon request.

## **ADDITIONAL INFORMATION TO SUPPLEMENT REPORT FORM**

### **Item 3. Public Participation and Education**

C. The COA Storm Drainage staff participated in and the Storm Drainage Section contributed \$45,000 in dues to the MRGSWQT in FY24 Outreach activities performed by the 10 agencies that comprise the MRGSWQT are provided in the Outcomes Report found on their webpage at <https://keeptheriogrand.org/>. Additional COA public participation and outreach activities that pertain to watershed enhancement and improvement of stormwater quality, such as tree plantings, trash clean up, or educational walking tours conducted in the Bosque or Sandia Foothills are described below.

There were a number of COA Open Space Division (OSD) clean-up events along the trails and Rio Grande in FY24. Outreach has occurred along the trails by staff encouraging visitors to keep the areas clean and free from trash. In addition, 484 volunteers removed 46 cubic yards of trash, 20 bags of recyclables, 43 gallons of glass, and 65 pounds of dog waste from 6 trailheads during spring clean-up, Dia del Rio, Make a Difference Day, National River Cleanup Day and National Trails Day.

The SWD Keep Albuquerque Beautiful campaign sponsors annual clean up events in each of the four quadrants of the metropolitan area over the course of the year. Neighborhood groups and individuals collect trash and drop it off at select locations to be recorded. In FY24, there were over 10 events held, including Junk Jog, FixIt Clinic, Recyclothes, and others. A total of 1,068 volunteers participated in all the events. Between recycling center tours and community event presentations, 5,641 people participated in SWMD educational programs. More detailed data for these events can be provided upon request.

Environmental Health Department (EHD) staff volunteer to conduct hikes in the Bosque and Sandia Foothills to promote environmental awareness. During these hikes, the importance of stormwater quality and its effect on the habitat and its interconnection and value to the freshwater supply is discussed. On the Bosque Wild hike along the Rio Grande 108 residents participated, while on the Foothills Wild hike 37 residents joined in FY24.

### **Item 5. Illicit Discharges**

C. There are 24 direct discharge points to the Rio Grande. Assessment of industrial and commercial development within sub-watersheds of the Albuquerque Metropolitan area has led to the selection of 16 additional dry weather screening locations in channels and arroyos. In total, 40 locations are monitored per MS4 permit requirements for the COA's dry weather screening program. See Attachment 4, Dry Weather Screening for the results.

J. During the reporting period from July 1, 2023 through June 30, 2024, 76 improper discharge related complaints were reported to the 311 system and investigated by a City storm drainage engineer or inspector. See Attachment 4 for a map indicating location and type of discharge as well as additional details on the spill response. One illegal cross connection between the sanitary and storm sewer system was reported and corrected in FY24.

### **Item 8. Program Resources**

D. If fully staffed, 27 full time employees that perform work related to the COA's MS4 include: 16 Arroyo/Storm Drainage Maintenance personnel, 9 Storm Drainage Design/NPDES personnel (consisting of a Section Manager, 4 engineers, 1 supervisor inspector, and 4 inspectors), and 1 Stormwater Quality Engineer and 1 Construction Inspector in the Planning Hydrology Department. Since FY20, the COA has been dealing with staff shortages and is attempting to fill vacancies. In FY24, 2 engineers and 2 stormwater inspectors joined Storm Drainage Design.

In addition to FTE's employed by the COA, the Storm Drainage Section budgets and spends approximately \$255,000 per year on consultants hired solely to perform NPDES permit compliance tasks. This is the equivalent of 2.5 FTE's. The Clean City Solid Waste program also employs 70 FTEs and uses 80 contractor positions to collect and dispose of trash that would otherwise make its way into the COA's MS4. Additionally, 20 employees in Street Maintenance perform street sweeping in support of dirt and debris removal efforts.

Finally, Parks and Open Space personnel conduct restoration projects, host citizen clean up days, and perform education and outreach related to stormwater quality. Also, Parks design project managers continue to work on the installation of green stormwater infrastructure in our COA parks, such as native plantings, permeable paving, and bioswales.

## **Attachment 1**

**Wet Weather Monitoring Results**

**Waste Load Allocation Results**

## MEMORANDUM

**DATE:** 9/6/2024

**TO** Patrick Chavez, AMAFCA

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

**SUBJECT:** **CMC Dry Season, Wet Weather Stormwater Monitoring  
Data Verification, Analysis Results Database, and Reporting Memo  
FY 2024 Dry Season (Nov. 1, 2023 to June 30, 2024)**

### NOTIFICATION OF IN-STREAM WATER QUALITY EXCEEDANCES

For downstream notification purposes, the following parameters for in-stream samples taken in the Rio Grande for the FY 2024 dry season had results that exceeded applicable water quality standards (WQSs) for four (4) samples of E. coli, two (2) samples of polychlorinated biphenyls (PCBs), and one (1) sample of dissolved copper. Table 1 summarizes the samples and the applicable WQSs that were exceeded. Additional details on the sampling results shown in Table 1 are provided in this memo. In addition, this memo includes a discussion of two (2) sample results with dissolved oxygen (DO) that were below WQSs, likely due to composite field-testing.

**Table 1: Parameters Detected Above Applicable Water Quality Standards  
 CMC FY 2024 Dry Season Monitoring**

Sampling Date Location	Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS		
	E. coli	PCBs	Dissolved Copper
	<b>WQS: 88 MPN (CFU/100 mL)</b>  Pueblo of Isleta Primary Contact Ceremonial & Recreational	<b>WQS: 0.00017 ug/L</b>  Pueblo of Isleta Human Health Criteria (based on fish consumption only)	<b>WQS: Acute / Chronic: 8 ug/L / 12 ug/L</b>  Aquatic Life Acute/Chronic Values are based on a hardness for Pueblo of Isleta, Pueblo of Sandia and New Mexico WQSs
12/14/2023 Rio Grande South Isleta Dam	Exceeded 235.9 MPN (CFU/100 mL)	Exceeded 0.0002908 ug/L	No Exceedance
6/26/2024 Rio Grande North Angostura	Exceeded 108 MPN (CFU/100 mL)	No Exceedance	No Exceedance
6/26/2024 Rio Grande at Alameda	Exceeded 97 MPN (CFU/100 mL)	Not Tested	Not Tested
6/27/2024 Rio Grande South Isleta Dam	Exceeded 644 MPN (CFU/100 mL)	Exceeded 0.000323 ug/L	Exceeded 10 ug/L

**OVERVIEW OF STORMWATER MONITORING ACTIVITY**

Bohannon 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 Fiscal Year (FY) 2024 (Nov. 1, 2023 to June 30, 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 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 current WSB MS4 Permit's 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 a minimum of seven (7) storm events be sampled at both the Rio Grande North and Rio Grande South locations (refer to Figure 1, page 4). All MS4 Permit required samples have been obtained by the CMC, as well as six (6) additional samples obtained during Administrative Continuance (FY 2021 through FY 2024); all 13 CMC samples are summarized in Table 2 below.

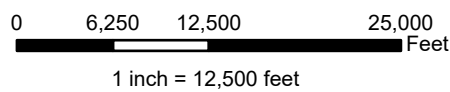
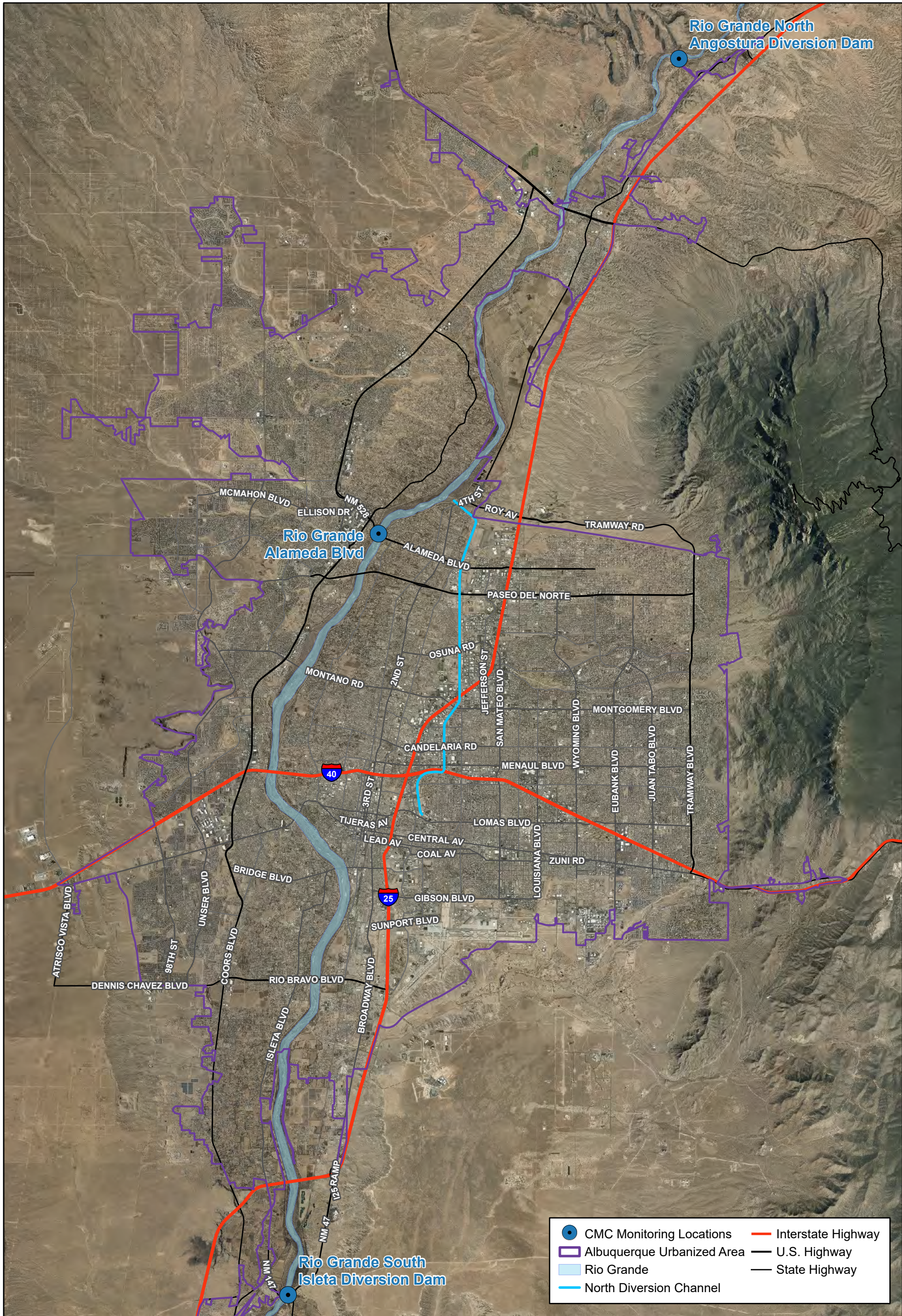
**Table 2: CMC Sample Summary  
 Compared to WSB MS4 Permit Requirements**

<b>Storm Events Required to Sample</b>	<b>CMC-WSB MS4 Permit Required Samples per Season</b>	<b>FY (Date) Samples Obtained for CMC</b>
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)

During the WSB MS4 Permit Administrative Continuance, the CMC members chose 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 2024 dry season (Nov. 1, 2023 to June 30, 2024).

The CMC Excel database was updated with the FY 2024 dry season monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQs, WSB MS4 Permit required Minimum Qualification Levels (MQLs) and results.





### CMC Monitoring

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



## SUMMARY OF THE CMC SAMPLING PLAN

### Sampling Parameters:

Samples from both 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<sub>5</sub>)
- 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
- Indeno (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<sub>3</sub>)
- Per-and polyfluoroalkyl substances, known as PFAS

Hardness (as CaCO<sub>3</sub>) 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 by to be analyzed in the field during sample collection, which was conducted by DBS&A, within 15 minutes of sample collection. All E. coli samples were submitted to the laboratory within eight (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 2024 sample included PFAS testing.

### **Sampling Locations:**

The sampling locations are shown in Figure 1, page 4.

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 Urban 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 2024 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 6). This sample point was added after discussion with NMED in February 2017, regarding potential refinements to E. coli loading calculations.

### **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 BHI their field notes and field sample data (temperature, DO, specific conductivity, and pH) for the FY 2024 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. DBS&A followed this QAPP during sample collection. BHI used this QAPP and the included standard operating procedures (SOPs) for the 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 2024 dry season from November 2023 through June 2024. Two (2) qualifying storm events were sampled and analyzed during the FY 2024 dry season.

- **December 13-14, 2023 – Qualifying Storm Event.** Samples were collected December 13, 2023, at the Rio Grande North and Alameda Blvd. locations beginning at 12:00 p.m. and 1:25 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning December 13, 2023 was a qualifying storm event. A Rio Grande South sample was collected beginning at 2:45 p.m. on December 14. The samples from the North (collected December 13) and South (collected December 13) locations were taken to Eurofins Environment Testing for full parameter testing.
- **June 26-27, 2024 – Qualifying Storm Event.** Samples were collected June 26, 2024 at the Rio Grande North and Alameda Blvd. locations beginning at 3:05 p.m. and 4:28 p.m., respectively. These samples were sent to the laboratory for E. coli testing. The CMC determined that the storm event beginning June 26, 2024 was a qualifying storm event. A Rio Grande South Sample was collected at 1:10 p.m. on June 27, 2024. The samples from the North (collected June 26) and South (collected June 27) were taken to Eurofins Environment Testing for full parameter testing.

## STORMWATER QUALITY DATABASE FOR CMC

As stated previously, there were two (2) qualifying storm events during the FY 2024 dry season, wet weather monitoring sampled by the CMC, which occurred December 13-14, 2023 and June 26-27, 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 report.

### Database Data Entry:

The CMC Excel database was updated with the FY 2024 dry season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface water quality standards (WQSs), WSB MS4 Permit required Minimum Quantification Levels (MQL), 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 qualifying storm events for both Rio Grande North and Rio Grande South locations were entered respectively 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 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 Operating Procedure (SOP) #2, which is part of the existing CMC QAPP Draft, 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 2024 dry season data met the appropriate QA/QC requirements for the December 2023 samples. For the June 2024 samples, the lab reports did not provide results for ammonia or Benzo[a]pyrene. In addition, the June 26-27, 2024 samples had some QA/QC issues, which are documented in the lab reports in Attachment 1 as well as in the data V&V worksheets in Attachment 2. If any data did not meet the appropriate QA/QC requirements, it 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 2024 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, 15 parameters were not detected in the FY 2024 dry 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 2024 Dry Season Monitoring**

Parameters Not Detected	
Oil and Grease (N-Hexane Extractable Material)	Dissolved Lead
Tetrahydrofuran	Dieldrin
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)	Pentachlorophenol
Benzo(k)fluoranthene	Benzidine
Chrysene	Benzo(a)anthracene
Indeno (1,2,3-cd) Pyrene	Dibenzofuran
Bis (2-ethylhexyl) Phthalate (other names: Di(2-ethylhexyl)phthalate, DEHP)	Dibenzo(a,h)anthracene
	Chromium VI (Hexavalent)

For the remaining parameters on the CMC monitoring parameter list, three (3) parameters (E. coli, PCBs, and Dissolved Copper) had exceedances of the applicable surface WQS found in New Mexico Administrative Code (NMAC) 20.6.4 and the Pueblo of Isleta WQS during the FY 2024 dry season. Additionally, two (2) samples were showing dissolved oxygen (DO) below WQSs. All exceedances are discussed below in further detail.

**E. coli:**

The E. coli results collected during the FY 2024 dry season are summarized in Table 4.

**Table 4: E. coli Results  
 CMC FY 2024 Dry Season Monitoring**

Date – Rio Grande Location	E. coli Results MPN (CFU/100 mL)
December 13, 2023 – Rio Grande North, Isleta Dam	20
December 13, 2023 – Rio Grande at Alameda	55.6
December 14, 2023 – Rio Grande South, Isleta Dam	235.9
June 26, 2024 – Rio Grande North Angostura	108
June 26, 2024 – Rio Grande at Alameda	97
June 27, 2024 – Rio Grande South, Isleta Dam	644

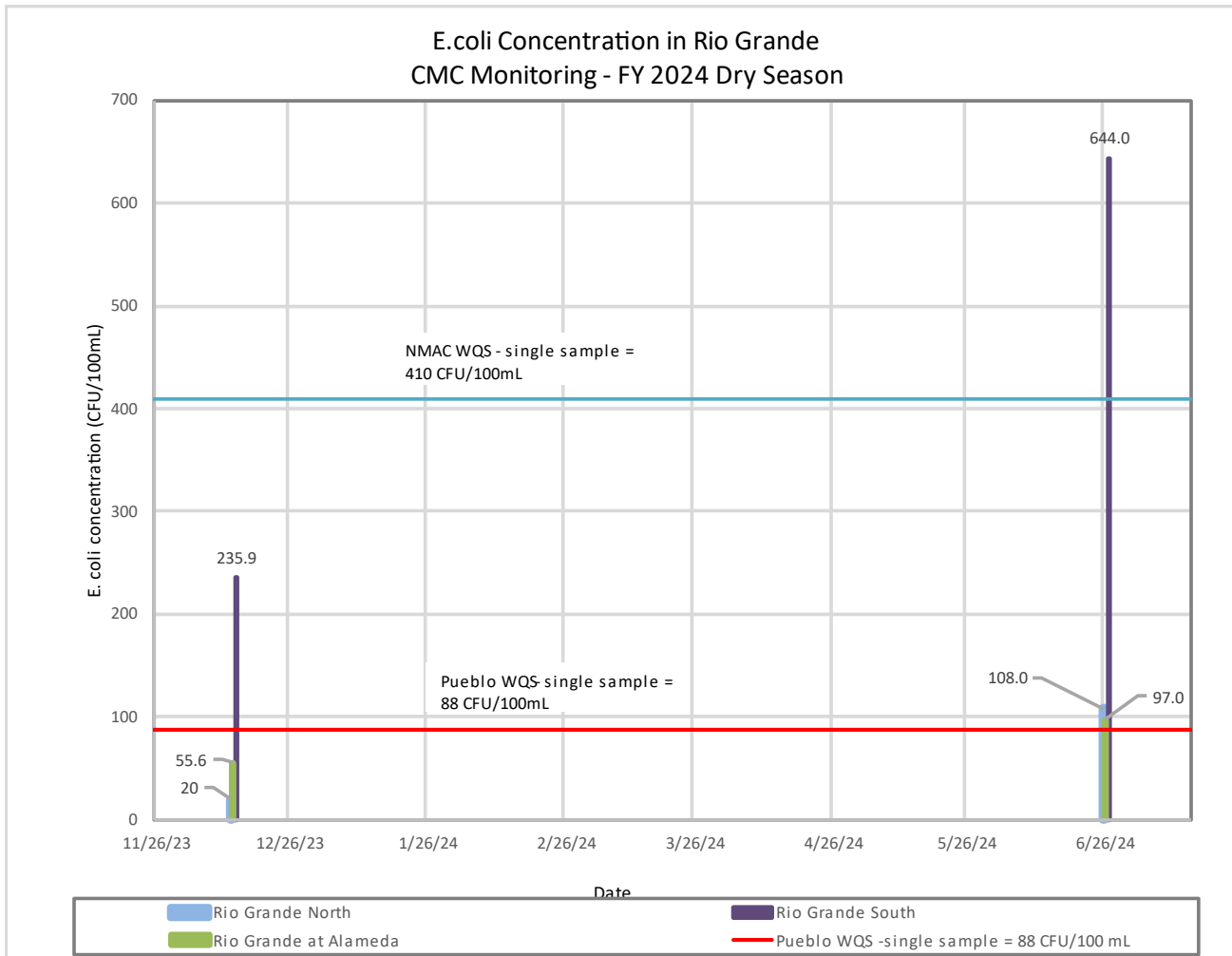


At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), two (2) samples were collected and tested for E. coli. The lab results for the December 13, 2023 sample showed that the sample had an acceptable E. coli concentration, below the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL). The E. coli result on June 26, 2024 exceeded the primary contact-single sample Pueblo of Isleta WQS (88 CFU/100 mL).

At the Rio Grande South location (downstream of the MS4 UA), two (2) samples were collected and tested for E. coli. The December 14, 2023 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). The June 27, 2024 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. during the FY 2024 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 verses using an area percentage (as defined in the TMDL) for E. coli loading calculations. The lab results showed that the 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) for the December 13, 2023 sample. But for the June 26, 2024 sample, the lab results showed that the sample slightly 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).

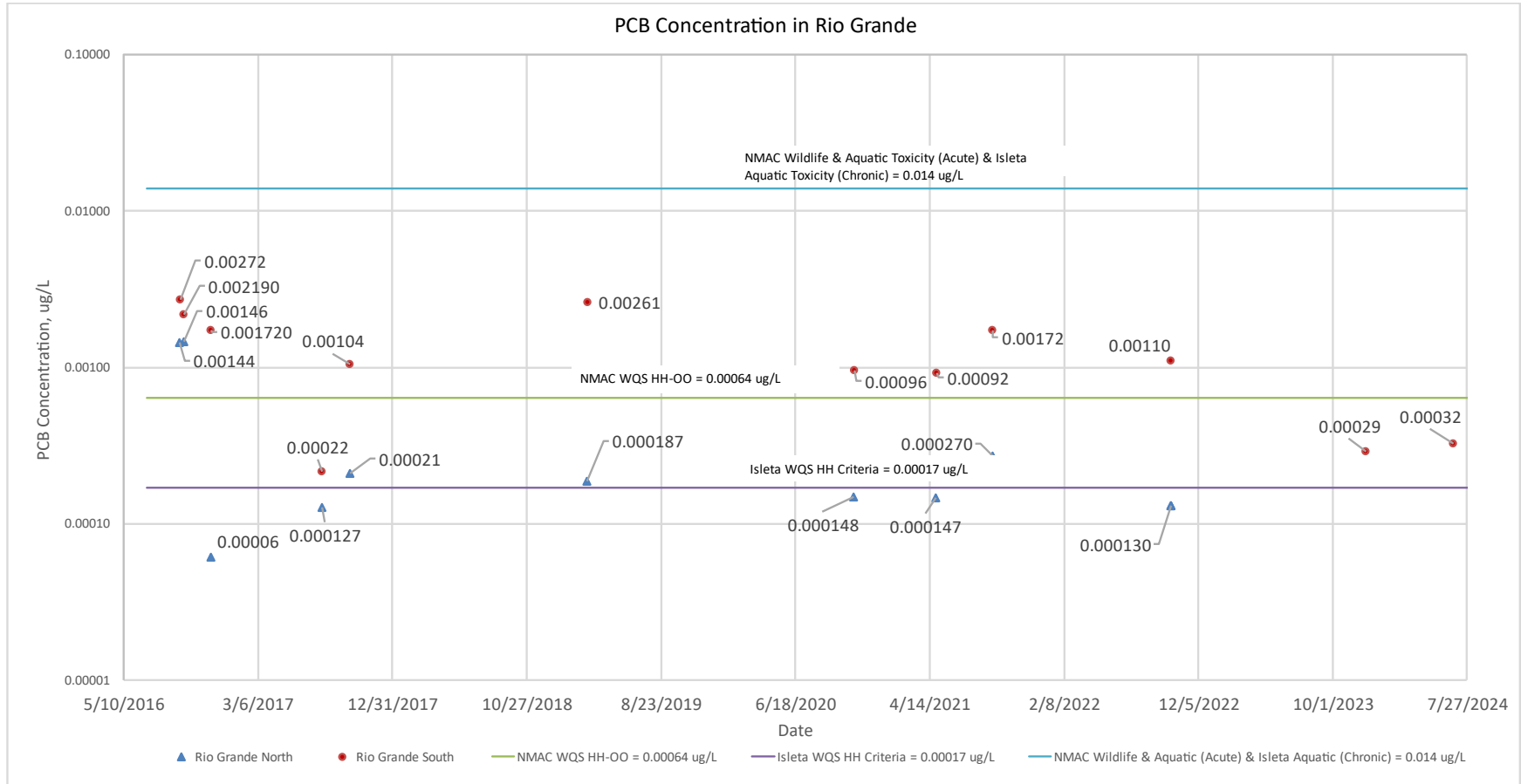
As a reminder, in January 2017 the CMC members clarified with NMED that the units MPN/100 mL and CFU/100 mL are considered to be interchangeable for the purposes of this stormwater quality monitoring reporting. The New Mexico and Pueblo of Isleta WQSs for E. coli are currently in units of CFU/100 mL, 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 December 2023 through June 2024.



**Figure 2: E. coli Monitoring Results in Rio Grande CMC Monitoring – FY 2024 Dry 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 the various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2024 dry season stormwater events were below the minimum quantification level (MQL) established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). PCBs were not detected for the both the December 2023 and June 2024 Rio Grande North samples. However, both samples from the Rio Grande South location were above the Pueblo of Isleta human health criteria (based on fish consumption only) WQS for surface waters. The human health-organism only criterion is based upon human consumption of fish and other aquatic life that bioaccumulate contaminants over time. The PCB results from 2016 through 2024 are shown in Figure 3, relative to several of the WQSs for PCBs.



**Figure 3: PCB Monitoring Results in Rio Grande  
 CMC Monitoring – 2016 - 2024**

### Gross Alpha, Adjusted:

The December 2023 and June 2024 samples did not exceed the New Mexico and Pueblo of Isleta WQSs for gross alpha, adjusted. 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 Copper:

The June 27, 2024 sample result of 10 ug/L for the Rio Grande South at Isleta Dam exceeded the New Mexico, Pueblo of Sandia, and Pueblo of Isleta WQS for dissolved copper. The acute WQS for dissolved copper is 8 ug/L for the NMAC 20.6.4 Water Quality Criterion, Pueblo of Sandia, and Pueblo of Isleta; the Aquatic life Acute value is based on hardness of 90 mg/L.

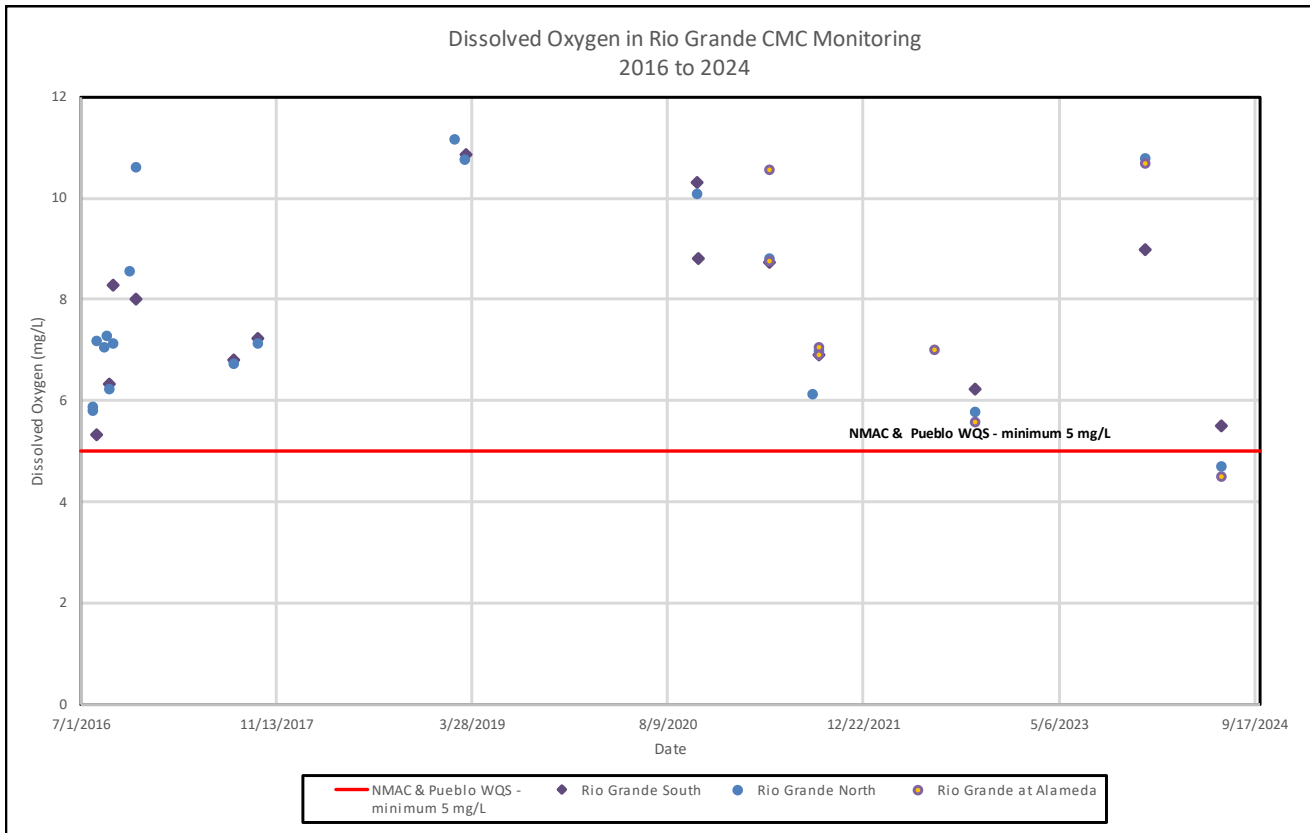
Most dissolved copper CMC results for the Rio Grande South at Isleta Dam have been <1 ug/L. The previous highest result was 1.5 ug/L for CMC sampling reported for September 2, 2021 for the Rio Grande South sample. The CMC will continue to closely evaluate this parameter in future samples. If additional 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 temperature parameter did not have any surface water quality exceedances during the FY 2024 dry season sampling.

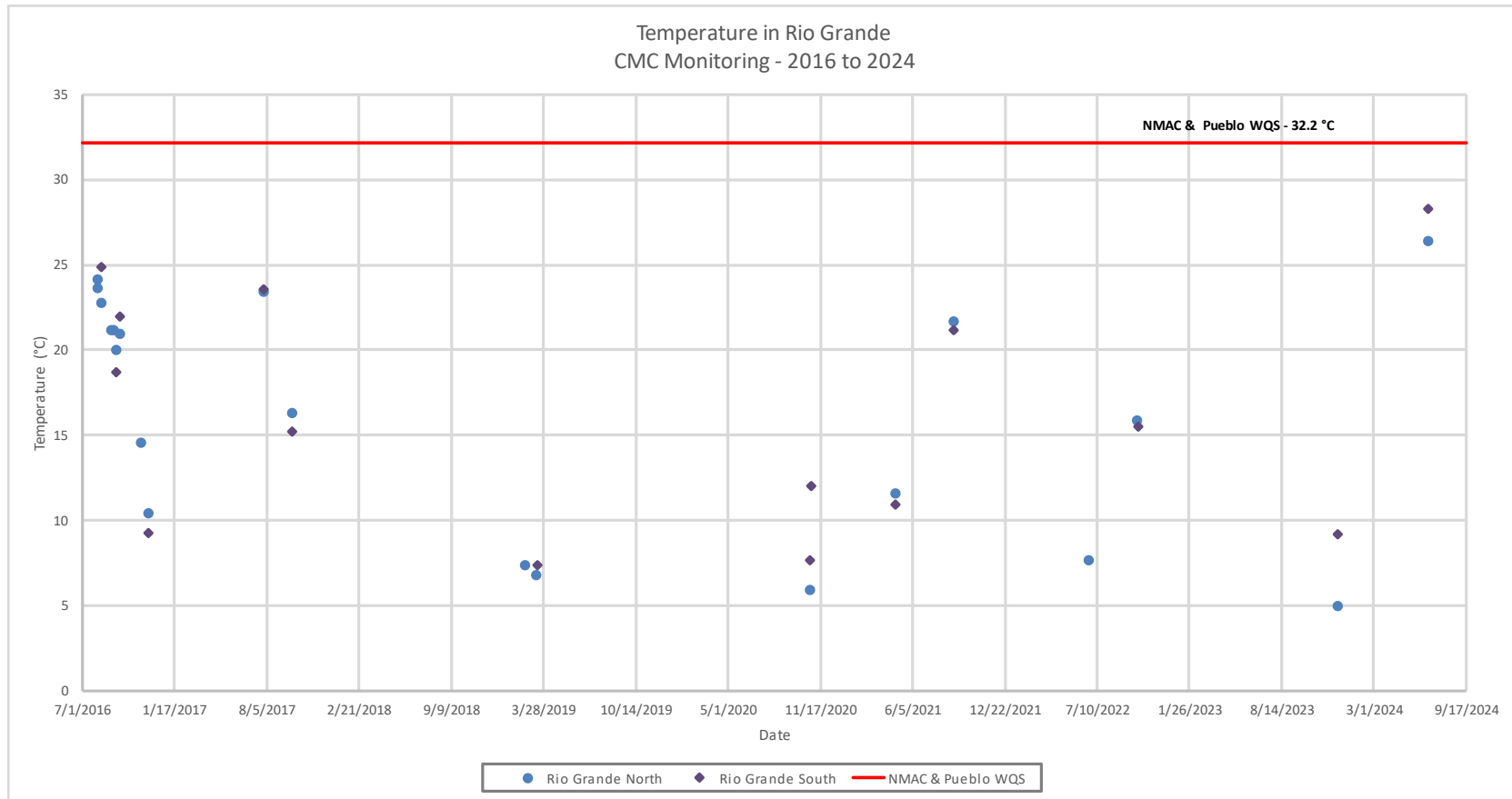
DO is a water quality concern in the Rio Grande if it is below 5 mg/L. The samples taken on June 26, 2024 at Rio Grande North and Rio Grande at Alameda had DO values below 5 mg/L. These values were not reported as exceedances because the reported field values were taken from a fifth composite sample 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 2016 to 2024. 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 – 2016 – 2024**

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 2024 dry season monitoring also supports this conclusion. All the temperature field readings taken in the Rio Grande during the CMC FY 2024 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 5 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from 2016 to 2024.



**Figure 5: Temperature Monitoring Results in the Rio Grande CMC Monitoring – 2016 - 2024**

## CMC FY 2024 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 Total Maximum Daily Load (TMDL) Waste Load Allocation (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 WQs. 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.

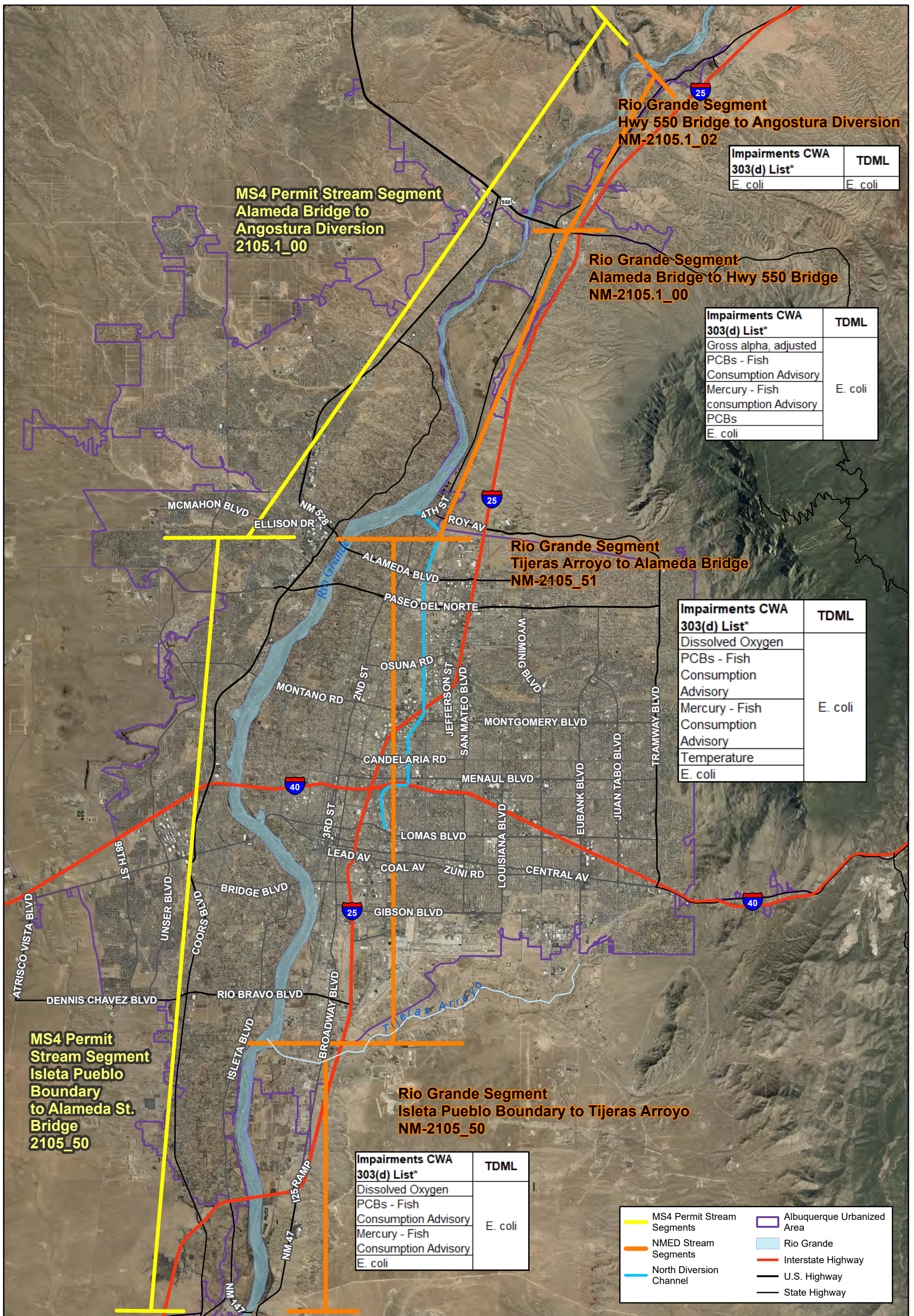
E. coli loading calculations and comparison to the WLA follows the WSB MS4 Permit requirements in *Discharges to Water Quality Impaired Water Bodies with an Approved TMDL, Part I.C.2.b.(i).(c).B, Appendix B-Total Maximum Daily Loads (TMDLs) Tables of the WSB MS4 Permit*, and the NMED guidance provided 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 two (2) qualifying dry season storm events – December 13-14, 2023 and June 26-27, 2024. For these events, 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 is attached to this memo that provides the detailed WLA calculations.





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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



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

Date / Stream Segment	Daily Mean Flow (cfs)	Flow Conditions (cfs) <i>range defined by NMED</i>	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
<b>December 13-14, 2023 –</b> Rio Grande North E. coli Concentration 12/13/2023 = 19.7 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 12/13/2023 = 55.6 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 12/14/2023 = 235.9 MPN (CFU/100 mL)					
Alameda to Angostura	2,250	Moist	1.17E+11	9.09E+10	WLA Potential Exceedance
Isleta to Alameda	2,210	Moist	5.70E+11	6.29E+10	WLA Potential Exceedance
<b>June 26-27, 2024 –</b> Rio Grande North E. coli Concentration 6/26/2024 = 108 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 6/26/2024 = 97 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 6/27/2024 = 644 MPN (CFU/100 mL)					
Alameda to Angostura	486	Dry	1.17E+11	3.24E+10	WLA Acceptable
Isleta to Alameda	476	Dry	5.70E+11	1.57E+10	WLA Potential Exceedance

As Table 5 illustrates, the calculated E. coli loading for the December 13-14, 2023 storm event for the northern segment (Alameda to Angostura) and the southern segment (Isleta to Alameda) of the Rio Grande were above the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda. For June 26-27, 2024, the calculated E. coli loading for the 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*, 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 Pueblo (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 current 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 2024 dry season.

## CONCLUSIONS AND PLANNING

During the FY 2024 dry season (Nov. 1, 2023 to June 30, 2024), two (2) qualifying stormwater samples were 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 2024 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 current 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 two (2) samples obtained in the FY 2024 dry season, as reported in this memo.
- For the FY 2024 dry season, 15 parameters were not detected in the FY 2024 dry season samples at either the Rio Grande North or South locations for both the December 2023 and June 2024 stormwater samples.
- A few key parameters met the applicable WQSs, as they have for all the CMC samples to date:
  - All temperature results were less than 32.2°C (maximum WQS).
  - All gross alpha, adjusted results were less than 15 pCi/L (maximum WQS).

- The PCB results were below the New Mexico Surface WQSs and Pueblo of Isleta Surface WQSs for designated uses, including drinking water, wildlife habitat, acute aquatic life, and chronic aquatic life. However, the Rio Grande South CMC samples from December 14, 2023 and June 27, 2024, were above the Pueblo of Isleta human health criteria (based on fish consumption only) WQS for surface waters.
- The calculated E. coli loading for the December 13-14, 2023 storm event for the northern segment (Alameda to Angostura) and 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.
- The calculated E. coli loading for the June 26-27, 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.

These two (2) samples were the only CMC samples obtained in FY 2024. A wet season sample (July 1, 2023 – Oct. 31, 2023) was not obtained by the CMC. Therefore, this is the only reporting memo for CMC members for FY 2024.

SG/ab

Attachments:

Attachment 1 – DBS&A Field Data & Eurofins Environment Testing Environmental Analysis Laboratory Reports with BHI Notes for FY 2024 Dry Season

Attachment 2 – FY 2024 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 2024 Dry Season Stormwater Quality Monitoring Results

**ATTACHMENT 1**

**DBS&A FIELD DATA & EUROFINS ENVIRONMENT TESTING LABORATORY  
REPORTS WITH BHI NOTES FOR  
FY 2024 DRY SEASON**

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Parameter	Permit Required Units	Provisional or Verified	2024 CMC SAMPLE NORTH Collection Date 12/13/2023 Dry Season Sample			2024 CMC SAMPLE NORTH Collection Date 6/26/2024 Dry Season Sample			2023 CMC SAMPLE SOUTH Collection Date 12/14/2023 Dry Season Sample			2024 CMC SAMPLE SOUTH Collection Date 6/27/2024 Dry Season Sample			Provisional or Verified	2024 CMC SAMPLE - EXTRA ALAMEDA Collection Date 12/13/23 Dry Season Sample		2024 CMC SAMPLE - EXTRA ALAMEDA Collection Date 6/26/24 Dry Season Sample			
			Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	Qualifier	Check compared to Water Quality Criterion	Provisional or Verified		Qualifier	Check compared to Water Quality Criterion	Provisional or Verified	Qualifier	Check compared to Water Quality Criterion	
Total Suspended Solids (TSS)	mg/L	V	6	--	V	58	--	V	22	--	V	160	--								
Total Dissolved Solids (TDS)	mg/L	V	204	OK	V	250	OK	V	226	OK	V	280	OK								
Chemical Oxygen Demand (COD)	mg/L	V	110	--	V	ND	--	V	ND	--	V	ND	--								
Biochemical Oxygen Demand (BOD <sub>5</sub> )	mg/L	V	<2.0	H	V	2	*b	V	<2.0	--	V	ND	*b								
Dissolved Oxygen (DO)	mg/L	V	10.8	OK	V	4.7	Refer to comment in previous column	--WQ Standard	V	9	OK	V	5.5	OK	V	10.7	OK	V	4.5	Refer to comment in previous column	--WQ Standard
Oil and Grease (N-Hexane Extractable Material)	mg/L	V	ND	OK	V	ND	OK	V	ND	OK	V	ND	OK								
E. coli	MPN (CFU/100 mL)	V	19.7	OK	V	108.0	--WQ Standard	--WQ Standard	V	235.9	--WQ Standard	V	644.0	--WQ Standard	V	55.6	OK	V	97.0	--WQ Standard	
pH	S.U.	V	8.15	OK	V	8.41	OK	V	8.24	OK	V	8.3	OK	V	7.73	OK	V	8.4	OK		
Total Kjeldahl Nitrogen (TKN)	mg/L	V	ND	--	V	0.6	--	V	ND	--	V	0.99	--								
Nitrate plus Nitrite	mg/L	V	ND	DF 5	OK	V	0.14	OK	V	0.32	J	OK	V	0.62	OK						
Dissolved Phosphorus	mg/L	V	ND	--	V	0.055	--	V	0.065	--	V	0.37	--								
Ammonia (mg/L as N)	mg/L	V	1.1	JD	OK	V	Not reported in lab report	N/A	V	0.84	JD	OK	V	Not reported in lab report	OK						
Total Nitrogen	mg/L	V	ND	D	OK	V	0.74	OK	V	ND	D	OK	V	1.61	OK						
Total Phosphorus	mg/L	V	ND	--	V	0.13	--	V	0.14	--	V	0.38	--								
PCBS - 0.000064 (Method 1668A - sum of all congeners)	µg/L	V	ND	OK	V	ND	OK	V	0.0002908	J q	--WQ Standard	V	0.000323	J q	--WQ Standard						
Gross Alpha, Adjusted	pCi/L	V	2.25 ± 1.72	OK	V	5.25	OK	V	0.945 ± 1.43	OK	V	3.77	U	OK							
Tetrahydrofuran	µg/L	V	ND	--	V	ND	H	--	V	ND	--	V	ND	H	--						
Benzo[a]pyrene	µg/L	V	ND	OK	V	Not reported in lab report	N/A	V	ND	OK	V	Not reported in lab report	OK								
Benzo[b]fluoranthene (other name: 3,4-Benzofluoranthene)	µg/L	V	ND	OK	V	ND	*+	OK	V	ND	OK	V	ND	*+	OK						
Benzo[k]fluoranthene	µg/L	V	ND	OK	V	ND	*+	OK	V	ND	OK	V	ND	*+	OK						
Chrysene	µg/L	V	ND	OK	V	ND	*+	OK	V	ND	OK	V	ND	*+	OK						
Indeno[1,2,3-cd]Pyrene	µg/L	V	ND	OK	V	ND	OK	V	ND	OK	V	ND	OK								
Dieldrin	µg/L	V	ND	OK	V	ND	*+,H	OK	V	ND	OK	V	ND	*+,H	OK						
Pentachlorophenol	µg/L	V	ND	OK	V	ND	OK	V	ND	OK	V	ND	OK								
Benidine	µg/L	V	ND	OK	V	ND	OK	V	ND	OK	V	ND	OK								
Benzo[a]anthracene	µg/L	V	ND	OK	V	ND	*+	OK	V	ND	OK	V	ND	*+	OK						
Dibenzofuran	µg/L	V	ND	--	V	ND	--	V	ND	--	V	ND	--								
Dibenzofuran	µg/L	V	ND	OK	V	ND	OK	V	ND	OK	V	ND	OK								
Chromium VI (Hexavalent)	µg/L	V	ND	OK	V	ND	OK	V	ND	OK	V	ND	OK								
Dissolved Copper	µg/L	V	0.55	OK	V	0.95	OK	V	0.75	OK	V	10	--WQ Standard								
Dissolved Lead	µg/L	V	ND	OK	V	ND	OK	V	ND	OK	V	ND	OK								
Bis (2-ethylhexyl) Phthalate (other names: Di(2-ethylhexyl)phthalate, DEHP) - 2.2	µg/L	V	ND	OK	V	ND	*+	OK	V	ND	OK	V	ND	*+	OK						
Conductivity	µmhos/cm	V	305	--	V	254.1	--	V	338	--	V	337	--	V	310	--	V	272.1	--		
Temperature	°C	V	5	OK	V	26.4	OK	V	9.2	OK	V	28.3	OK	V	7.1	OK	V	28.9	OK		
Hardness (as CaCO <sub>3</sub> )	mg/L	V	120	--	V	110	--	V	130	--	V	140	--								
Mercury	µg/l																				
PFA (6)	ppt (ng/L)				P	3.1	J	OK				P	4.1	J	OK						
PFA (6) (Filtered)	ppt (ng/L)				P		OK														

**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 TSS: 1,500 mg/l or 3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/l) as CaCO<sub>3</sub>.
3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/l) as CaCO<sub>3</sub>.
4. According to NMAC 20.6.4. E. coli bacteria for Primary Contact - monthly geometric mean.
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/200 mL, for this analysis assuming two units are used.
7. PFA 6 is for the sum of 6 PFAS in drinking water; these compounds are PFDA, PFOS, PFNA, PFHPA, PFOXA and PFDA.

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

### CMC Sampling Data Sheet

Site Identification: RG-North

Notes: VSI Pa 1020 ST 21C102804

Oakton CTSI

Full Suite Sample Date and Time:	<u>12-13-23 1200</u>
Full Sample Identification:	<u>R6North-20231213</u>
QC Samples: Duplicate / <u>None</u>	QC Sample ID:
QC samples require a DIFFERENT sample time than the environmental sample.	
QC Sample time:	

Full Suite Collection Point :	<u>ANGOSTURA DIVISION works</u>
Full Suite Sample Volume:	<u>8gal</u> Collection Time Start: <u>1115</u> End: <u>1200</u>

**Field Parameters for each 2-gallon grab**

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	1115	7.3	6.56	337	10.5	102
2	1130	5.0	7.79	302	10.8	99
3	1145	5.7	8.04	304	10.1	95
4	1200	5.1	8.11	313	10.5	98
Composite	1203	5.0	8.15	305	10.8	99

Turbid Water   
  Color clear to yellow   
  Solids   
  Oil/Sheen   
  Foam   
  Odor NO

**Analytical - see 2021 COC table**

Site Photo   
  Sample Photo



Samplers C. Johannesen, J. Allen

### CMC Sampling Data Sheet

Site Identification: RG-South

Notes: YSI Pro 1020 S# 21C102804

Oakton CTS1

Full Suite Sample Date and Time: <u>12/14/23 1445</u>
Full Sample Identification: <u>RG South- 20231214</u>
QC Samples: Duplicate / <u>(None)</u> QC Sample ID:
QC samples require a DIFFERENT sample time than the environmental sample. QC Sample time:

Full Suite Collection Point : <u>Isleta dam</u>
Full Suite Sample Volume: <u>8 gal</u> Collection Time Start: <u>1400</u> End: <u>1445</u>

**Field Parameters for each 2-gallon grab**

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	1400	11.7	7.81	332	7.2	78
2	1415	9.7	8.15	329	8.2	85
3	1430	9.8	8.23	330	9.2	96
4	1445	9.3	8.31	332	8.2	85
Composite	1450	9.2	8.24	338	9.0	92

Turbid Water     Color Brown     Solids     Oil/Sheen     Foam     Odor NONE

**Analytical - see 2021 COC table**

Site Photo     Sample Photo



Samplers C. Johannesen, J. Allen

### CMC Sampling Data Sheet

Site Identification: Rio Grande @ Alameda

Notes: YSI Pro 1020 S# 21C102804  
Oakton CTS1

Full Suite Sample Date and Time: <u>12/13/14 1325</u>
Full Sample Identification: <u>RG Alameda - 20231213</u>
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 : <u>Pedestrian Bridge</u>
Full Suite Sample Volume: <u>1L</u> Collection Time Start: <u>1325</u> End:

**Field Parameters for each 2-gallon grab**

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1						
2						
3						
4						
Composite	<u>1325</u>	<u>7.1</u>	<u>7.73</u>	<u>310</u>	<u>10.7</u>	<u>97</u>

Turbid Water   
 Color clear   
 Solids   
 Oil/Sheen   
 Foam   
 Odor \_\_\_\_\_

**Analytical - see 2021 COC table**

Site Photo   
 Sample Photo

# Chain-of-Custody Record

Client: Daniel B Stephens  
AMA FCA  
 Mailing Address: 6020 Academy  
 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  
 Project #:  
Dry Season FY24  
 Project Manager:  
Patrick Chavez  
 Sampler: DBSA - C. Johansson  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CF): 57 to 58.8 (°C)



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

### 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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Ecoli - enumeration
12-13-23	1200	AG	RG North - 20231213	1													X
12-13-23	1325	AG	RG Alameda - 20231213	1													X

Date: 12-13-23 Time: 13:40 Relinquished by: [Signature]

Received by: [Signature] Via:   Date: 12/13/23 Time: 13:54

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.



# Chain-of-Custody Record

Client: \_\_\_\_\_

Turn-Around Time:  Standard  Rush

Mailing Address: \_\_\_\_\_

Project Name: CMC FY24 Dry

Project #: \_\_\_\_\_

Phone #: \_\_\_\_\_

email or Fax#: p.chavez@amafia.org

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

Project Manager: Patrick Chavez

Accreditation:  Az Compliance  NELAC  Other \_\_\_\_\_

Sampler: DBSA-C. Johansson

EDD (Type) \_\_\_\_\_

On Ice:  Yes  No

# of Coolers: 2



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Cooler Temp (including CF): <u>See Remarks (°C)</u>	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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	
								<del>12-13-23</del>	<del>1200</del>	<del>A13</del>	<del>R6 North - 20231213</del>							
12-14-23	1445		R6 South - 20231214															X
		12/14/23																X

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Via: CDO Date: 12/14/23 Time: 16:00 Remarks: 39:0 = 3.9%

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Remarks: 7.7:0 = 7.7%  
marby

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.

Samplers IT/EB

**CMC Sampling Data Sheet**

Site Identification RG NORTH

Notes: on site 1325

Full Suite Sample Date and Time: 1505 6/26/24

Full Sample Identification: RG NORTH ~~20240626~~ 2024 06 26

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 : MRCO Dam Stack Structure

Full Suite Sample Volume:      Collection Time Start:      End:

**Field Parameters for each 2-gallon grab**

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	1400	24.5	8.06	238.5	5.6	82
2	1415	24.1	8.30	253.9	5.4	76
3	1430	24.3	8.29	254.7	5.7	81
4	1445	24.5	8.26	253.6	5.1	74
Composite	1505	26.4	8.41	254.1	4.7	71

Turbid Water     Color yellowish Brown     Solids     Oil/Sheen     Foam     Odor Biological odor

Analytical - see 2021 COC table

Site Photo     Sample Photo





Samplers 1 Jones

**CMC Sampling Data Sheet**

Site Identification RG South

Notes: Weather mostly sunny 83°F

Full Suite Sample Date and Time:	<u>6/27/24 1310</u>
Full Sample Identification:	<u>RG South 20240627</u>
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: 12:00 End: 12:45

**Field Parameters for each 2-gallon grab**

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	<u>1200</u>	<u>24.6</u>	<u>7.67</u>	<u>329.3</u>	<u>5.4</u>	<u>79</u>
2	<u>1215</u>	<u>26.9</u>	<u>8.24</u>	<u>337.4</u>	<u>5.4</u>	<u>80</u>
3	<u>1230</u>	<u>27.0</u>	<u>8.26</u>	<u>336.8</u>	<u>5.2</u>	<u>77</u>
4	<u>1245</u>	<u>27.4</u>	<u>8.28</u>	<u>334.9</u>	<u>4.7</u>	<u>70</u>
Composite	<u>1310</u>	<u>28.3</u>	<u>8.30</u>	<u>337.0</u>	<u>5.5</u>	<u>83</u>

Turbid Water   
  Color yellowish   
  Solids Brown Some Solids   
  Oil/Sheen   
  Foam   
  Odor Biological odor

Analytical - see 2021 COC table

Site Photo   
  Sample Photo



ANALYSIS SONDE CALIBRATION WORKSHEET: 2007-03-01/03/2007

Sonde ID: 210100053 Date/Time: 6/26/24 / 1334 Technician: 1 Tomes

Reason for Calibration: RG NORTH Sampling @ BASTION

Battery Voltage: \_\_\_\_\_ (6920 & 600 XLM only)

Specific Conductance: \_\_\_\_\_ Calibration Values  
 Standard Used (mS) \_\_\_\_\_ Initial Post Cal. Cell Constant:\* \_\_\_\_\_ (Range: 5 +/- 0.5)

pH Calibration Values  

	Initial	Post Cal.	mV	
7 Buffer: (first)	<u>7.02</u>	<u>7.01</u>	<u>4.7</u>	(Range: 0 mV +/- 50)
4 Buffer: (second)	<u>4.32</u>	<u>4.0</u>	<u>104.2</u>	(Range: +177 from pH 7)
10 Buffer: (third)	<u>9.91</u>	<u>10.01</u>	<u>-107.0</u>	(Range: -177 from pH 7)

 Note: Span between pH 7 and pH 4, and pH 7 and pH 10 should be approximately 165 to 180 mV.

DO % Sat. Membrane Changed? Y/N If yes, run probe at least 15 mins before calibration. Optimally, wait 6 to 8 hrs before calibration / use.

DO Charge \_\_\_\_\_ (Range: 50 +/- 25)

mm Hg 031.4 Calibration Values %  
 Initial Post Cal. DO Gain\* \_\_\_\_\_ (Range: 1 (0.7 to 1.5))  
77.3 | 102 | \_\_\_\_\_

Turbidity Wiper Changed? Y/N \_\_\_\_\_ Wiper parks ~180 degrees from optic port? Y/N \_\_\_\_\_

Standards Values (NTUs)	Calibration Values	
	Initial	Post Cal.
Zero (Always First)	_____	_____
_____	_____	_____
_____	_____	_____

Note: Use longer probe guard with black turb probe; shorter guard with grey probe.

Post Calibration DO Sensor Output Test

Turn off handset (650MDS). Wait 1 minute, turn handset on and enter "Run". DO % Sat. must start reading with a high value and descend to the calibration value in 1 to 2 minutes. If it does not, reject.

Note: Disregard the first two readings as they may be affected by the warm-up process.  
 Accept? \_\_\_\_\_ Reject? \_\_\_\_\_ See note in comments

Calibration Comments

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Found in: Main Menu -> Sonde Menu -> Advanced -> Calibration Constants

**ANALYSIS SONDE CALIBRATION WORKSHEET** Version 1.0 / 03/2007

Sonde ID: 21B10053 Date/Time: 6/27/24 1109 Technician: IT/JC

Reason for Calibration: RG Sampling

Battery Voltage: \_\_\_\_\_ (6920 & 600 XLM only)

Specific Conductance: \_\_\_\_\_ Calibration Values  
 Standard Used (mS) \_\_\_\_\_ Initial Post Cal. Cell Constant: \*  
1413 | 1417 | \_\_\_\_\_ (Range: 5 +/- 0.5)

pH Calibration Values  

	Initial	Post Cal.	mV	
7 Buffer: (first)	<u>4.00</u>	<u>4.01</u>	<u>158.1</u>	(Range: 0 mV +/- 50)
4 Buffer: (second)	<u>7.00</u>	<u>7.00</u>	<u>1.7</u>	(Range: +177 from pH 7)
10 Buffer: (third)	<u>10.07</u>	<u>10.07</u>		(Range: -177 from pH 7)

 Note: Span between pH 7 and pH 4, and pH 7 and pH 10 should be approximately 165 to 180 mV.

DO % Sat. Membrane Changed? Y/N If yes, run probe at least 15 mins before calibration. Optimally, wait 6 to 8 hrs before calibration / use.

DO Charge \_\_\_\_\_ (Range: 50 +/- 25)

mm Hg Calibration Values %  

	Initial	Post Cal.	DO Gain*	
<u>636.6</u>	<u>83.8</u>	<u>96</u>		(Range: 1 (0.7 to 1.5))

Turbidity Wiper Changed? Y/N Wiper parks ~180 degrees from optic port? Y/N

Standards Values (NTUs)	Calibration Values	
	Initial	Post Cal.
Zero (Always First)		
_____		
_____		

Note: Use longer probe guard with black turb probe; shorter guard with grey probe.

**Post Calibration DO Sensor Output Test**

Turn off handset (650MDS). Wait 1 minute, turn handset on and enter "Run". DO % Sat. must start reading with a high value and descend to the calibration value in 1 to 2 minutes. If it does not, reject.

Note: Disregard the first two readings as they may be affected by the warm-up process.  
 Accept? \_\_\_\_\_ Reject? \_\_\_\_\_ See note in comments

Calibration Comments

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\* Found in: Main Menu -> Sonde Menu -> Advanced -> Calibration Constants



December 22, 2023

Patrick Chavez

AMAFCA

2600 Prospect Ave NE

Albuquerque, NM 87107

TEL: (505) 884-2215

FAX:

12/13/2023: Rio Grande North  
and Alameda; E.Coli samples  
only.

RE: CMC

OrderNo.: 2312802

Dear Patrick Chavez:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 12/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Field Parameters:  
- North  
Temp = 5.0°C  
pH = 8.15  
Conductivity = 305  
Dissolved Oxygen = 10.8  
- Alameda  
Temp = 7.1°C  
pH = 7.73  
Conductivity = 310  
Dissolved Oxygen = 10.7

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312802

Date Reported: 12/22/2023

CLIENT: AMAFCA

Client Sample ID: **RG North**-20231213

Project: CMC

Collection Date: 12/13/2023 12:00:00 PM

Lab ID: 2312802-001

Matrix: AQUEOUS

Received Date: 12/13/2023 1:54:00 PM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>SM 9223B FECAL INDICATOR: E. COLI MPN</b>							Analyst: <b>SMS</b>	
E. Coli	<b>19.7</b>	1.000	1.000		MPN/100	1	12/14/2023 12:33:00 PM	79369

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312802

Date Reported: 12/22/2023

CLIENT: AMAFCA

Client Sample ID: **RG Alameda**-20231213

Project: CMC

Collection Date: 12/13/2023 1:25:00 PM

Lab ID: 2312802-002

Matrix: AQUEOUS

Received Date: 12/13/2023 1:54:00 PM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>SM 9223B FECAL INDICATOR: E. COLI MPN</b>							Analyst: <b>SMS</b>	
E. Coli	55.6	1.000	1.000		MPN/100	1	12/14/2023 12:33:00 PM	79369

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		



Sample Log-In Check List

Client Name: AMAFCA Work Order Number: 2312802 RcptNo: 1

Received By: Juan Rojas 12/13/2023 1:54:00 PM [Signature]

Completed By: Cheyenne Cason 12/13/2023 3:06:49 PM [Signature]

Reviewed By: [Signature] 12/13/23 15:52

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Client

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [ ] No [checked] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]

Samples were collected the same day and chilled.

- 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: Tme 12/13/23

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 8.8, Good, Not Present, Yogi, ,





March 05, 2024

Patrick Chavez  
AMAFCA  
2600 Prospect Ave NE  
Albuquerque, NM 87107  
TEL: (505) 884-2215  
FAX:

12/13/2023: Rio Grande North  
and 12/14/2023: Rio Grande  
South

RE: CMC FY24 Dry

OrderNo.: 2312898

Dear Patrick Chavez:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 12/14/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued January 26, 2023.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,



Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

Field Parameters:  
- North  
Temp = 5.0°C  
pH = 8.15  
Conductivity = 305  
Dissolved Oxygen = 10.8  
- South  
Temp = 9.2°C  
pH = 8.24  
Conductivity = 338  
Dissolved Oxygen = 9.0



Environment Testing

*Eurofins Environment Testing South  
Central, LLC  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com*

## Case Narrative

WO#: 2312898

Date: 3/5/2024

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**CLIENT:** AMAFCA

**Project:** CMC FY24 Drv

Analytical Notes regarding phosphorous:

The "C" fraction contains the results for total phosphorous.

The "D" fraction contains the results for the dissolved phosphorous.

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-001B

**Client Sample ID:** R6 North-20231213  
**Collection Date:** 12/13/2023 12:00:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>SM5210B: BOD</b>							Analyst: <b>ejn</b>	
Biochemical Oxygen Demand	DO Depletion <2.0	2.00	2.00	H	mg/L	1	12/20/2023 9:50:00 AM	79411

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

**Hall Environmental Analysis Laboratory, Inc.**

**Analytical Report**

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-001C

**Client Sample ID:** R6 North-20231213  
**Collection Date:** 12/13/2023 12:00:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 1664B</b>							Analyst: <b>AB</b>	
N-Hexane Extractable Material	ND	8.53	9.58		mg/L	1	12/19/2023 11:40:00 AM	79435

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-001D

**Client Sample ID:** R6 North-20231213  
**Collection Date:** 12/13/2023 12:00:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>								
Nitrate+Nitrite as N	ND	0.11	1.0		mg/L	5	12/19/2023 2:58:45 PM	R10196
<b>Analyst: SNS</b>								
<b>SM 4500 NH3: AMMONIA</b>								
Nitrogen, Ammonia	1.1	0.57	2.0	JD	mg/L	2	12/21/2023 9:18:00 AM	R10201
<b>Analyst: MCA</b>								
<b>SM4500-H+B / 9040C: PH</b>								
pH	8.14			H	pH units	1	12/20/2023 1:56:15 PM	R10201
<b>Analyst: MCA</b>								
<b>EPA METHOD 365.1: TOTAL PHOSPHOROUS</b>								
Phosphorus, Total (As P)	ND	0.050	0.050		mg/L	1	1/6/2024 1:42:00 PM	79761
<b>Analyst: JMT</b>								
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>								
Total Dissolved Solids	204	25.0	50.0		mg/L	1	12/21/2023 7:22:00 PM	79518
<b>Analyst: KS</b>								
<b>EPA 351.2: TKN</b>								
Nitrogen, Kjeldahl, Total	ND	0.50	0.50	H	mg/L	1	1/13/2024 3:06:27 PM	79864
<b>Analyst: MRA</b>								
<b>SM 2540D: TSS</b>								
Suspended Solids	6.0	4.0	4.0		mg/L	1	12/21/2023 10:31:00 AM	79522
<b>Analyst: KS</b>								

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL	Practical Quantitative Limit	RL Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.	



**Hall Environmental Analysis Laboratory, Inc.**

**Analytical Report**

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-001E

**Client Sample ID:** R6 North-20231213  
**Collection Date:** 12/13/2023 12:00:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 365.1: TOTAL PHOSPHOROUS</b>							Analyst: JMT	
Phosphorus, Total (As P)	ND	0.050	0.050		mg/L	1	1/6/2024 1:46:00 PM	79761

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-001F

**Client Sample ID:** R6 North-20231213  
**Collection Date:** 12/13/2023 12:00:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 200.7: METALS</b>							Analyst: JRR	
Calcium	36	0.053	1.0		mg/L	1	1/9/2024 5:14:22 PM	79508
Magnesium	6.6	0.033	1.0		mg/L	1	1/9/2024 5:14:22 PM	79508
<b>SM2340B: HARDNESS</b>							Analyst: JRR	
Hardness as CaCO3	120	2.5	6.6		mg/L	1	1/9/2024	R10233

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-001G

**Client Sample ID:** R6 North-20231213  
**Collection Date:** 12/13/2023 12:00:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA 200.8: DISSOLVED METALS</b>							Analyst: bcv	
Copper	0.00055	0.000093	0.00050		mg/L	1	12/19/2023 1:35:18 PM	B101952
Lead	ND	0.000032	0.00050		mg/L	1	12/19/2023 1:35:18 PM	B101952

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-001H

**Client Sample ID:** R6 North-20231213  
**Collection Date:** 12/13/2023 12:00:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>SM5220D: COD</b>							Analyst: <b>AB</b>	
Chemical Oxygen Demand	110	50.0	50.0		mg/L	1	1/3/2024 10:26:00 AM	79689

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		



Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002A

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, MDL, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: SM 9223B FECAL INDICATOR: E. COLI MPN, 235.9, 1.000, 1.000, MPN/100 1, 12/15/2023 12:00:00 PM, 79402. Analyst: SMS

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Table with 2 columns: Qualifiers and descriptions. Includes codes like \*, D, H, ND, PQL, S, B, E, J, P, RL and their corresponding definitions.

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-002B

**Client Sample ID:** R6South-20231214  
**Collection Date:** 12/14/2023 2:45:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>SM5210B: BOD</b>							Analyst: <b>ejn</b>	
Biochemical Oxygen Demand	DO Depletion <2.0	2.00	2.00		mg/L	1	12/20/2023 9:50:00 AM	79411

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

**Analytical Report**

Lab Order: 2312898

Date Reported: 3/5/2024

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-002C

**Client Sample ID:** R6South-20231214  
**Collection Date:** 12/14/2023 2:45:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 1664B</b>							Analyst: <b>AB</b>	
N-Hexane Extractable Material	ND	8.73	9.80		mg/L	1	12/19/2023 11:40:00 AM	79435

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:				
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
PQL	Practical Quantitative Limit	RL	Reporting Limit	
S	% Recovery outside of standard limits. If undiluted results may be estimated.			

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA  
 Project: CMC FY24 Dry  
 Lab ID: 2312898-002D

Client Sample ID: R6South-20231214  
 Collection Date: 12/14/2023 2:45:00 PM  
 Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b> Analyst: <b>SNS</b>								
Nitrate+Nitrite as N	0.32	0.11	1.0	J	mg/L	5	12/19/2023 3:14:28 PM	R10196
<b>SM 4500 NH3: AMMONIA</b> Analyst: <b>MCA</b>								
Nitrogen, Ammonia	0.84	0.57	2.0	JD	mg/L	2	12/21/2023 9:18:00 AM	R10201
<b>SM4500-H+B / 9040C: PH</b> Analyst: <b>MCA</b>								
pH	8.17			H	pH units	1	12/20/2023 2:00:25 PM	R10201
<b>EPA METHOD 365.1: TOTAL PHOSPHOROUS</b> Analyst: <b>JMT</b>								
Phosphorus, Total (As P)	0.14	0.050	0.050		mg/L	1	1/6/2024 1:48:00 PM	79761
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b> Analyst: <b>KS</b>								
Total Dissolved Solids	226	25.0	50.0		mg/L	1	12/21/2023 7:22:00 PM	79518
<b>EPA 351.2: TKN</b> Analyst: <b>MRA</b>								
Nitrogen, Kjeldahl, Total	ND	0.50	0.50		mg/L	1	1/13/2024 3:10:57 PM	79864
<b>SM 2540D: TSS</b> Analyst: <b>KS</b>								
Suspended Solids	22	4.0	4.0		mg/L	1	12/22/2023 10:47:00 AM	79546

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL	Practical Quantitative Limit	RL Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.	



**Hall Environmental Analysis Laboratory, Inc.**

**Analytical Report**

Lab Order: 2312898

Date Reported: 3/5/2024

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-002E

**Client Sample ID:** R6South-20231214  
**Collection Date:** 12/14/2023 2:45:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 365.1: TOTAL PHOSPHOROUS</b>							Analyst: JMT	
Phosphorus, Total (As P)	0.065	0.050	0.050		mg/L	1	1/6/2024 1:49:00 PM	79761

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** AMAFCA  
**Project:** CMC FY24 Dry  
**Lab ID:** 2312898-002F

**Client Sample ID:** R6South-20231214  
**Collection Date:** 12/14/2023 2:45:00 PM  
**Matrix:** Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 200.7: METALS</b>							Analyst: <b>JRR</b>	
Calcium	39	0.053	1.0		mg/L	1	1/9/2024 5:18:26 PM	79508
Magnesium	7.0	0.033	1.0		mg/L	1	1/9/2024 5:18:26 PM	79508
<b>SM2340B: HARDNESS</b>							Analyst: <b>JRR</b>	
Hardness as CaCO3	130	2.5	6.6		mg/L	1	1/9/2024	R10233

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	<ul style="list-style-type: none"> <li>* Value exceeds Maximum Contaminant Level.</li> <li>D Sample Diluted Due to Matrix</li> <li>H Holding times for preparation or analysis exceeded</li> <li>ND Not Detected at the Reporting Limit</li> <li>PQL Practical Quantitative Limit</li> <li>S % Recovery outside of standard limits. If undiluted results may be estimated.</li> </ul>	<ul style="list-style-type: none"> <li>B Analyte detected in the associated Method Blank</li> <li>E Above Quantitation Range/Estimated Value</li> <li>J Analyte detected below quantitation limits</li> <li>P Sample pH Not In Range</li> <li>RL Reporting Limit</li> </ul>
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Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA Client Sample ID: R6South-20231214  
 Project: CMC FY24 Dry Collection Date: 12/14/2023 2:45:00 PM  
 Lab ID: 2312898-002G Matrix: Aqueous

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA 200.8: DISSOLVED METALS</b>							Analyst: bcv	
Copper	0.00075	0.000093	0.00050		mg/L	1	12/19/2023 1:37:35 PM	B101952
Lead	ND	0.000032	0.00050		mg/L	1	12/19/2023 1:37:35 PM	B101952

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:		
*	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL	Practical Quantitative Limit	RL Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order: 2312898

Date Reported: 3/5/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC FY24 Dry
Lab ID: 2312898-002H

Client Sample ID: R6South-20231214
Collection Date: 12/14/2023 2:45:00 PM
Matrix: Aqueous

Table with columns: Analyses, Result, MDL, RL, Qual, Units, DF, Date Analyzed, Batch ID. Row 1: SM5220D: COD, Chemical Oxygen Demand, ND, 50.0, 50.0, mg/L, 1, 1/3/2024 10:26:00 AM, 79689. Analyst: AB

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Table with 2 columns: Qualifiers and their descriptions. Includes codes like \*, D, H, ND, PQL, S, B, E, J, P, RL and their corresponding definitions.



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**Client:** Hall Environmental Analysis Lab  
**Address:** 4901 Hawkins NE Suite D  
Albuquerque, NM 87109  
**Attn:** Andy Freeman

**Work Order:** MDL0646  
**Project:** 2312898  
**Reported:** 2/19/2024 09:01

## Analytical Results Report

Sample Location: 2312898-001I (R6 North-20231213)  
Lab/Sample Number: MDL0646-01 Collect Date: 12/13/23 12:00  
Date Received: 12/19/23 14:44 Collected By:  
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Volatiles</b>							
Tetrahydrofuran	ND	ug/L	0.500	12/22/23 13:35	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	103%		70-130	12/22/23 13:35	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	75.8%		70-130	12/22/23 13:35	BKP	EPA 8260D	
Surrogate: Toluene-d8	97.6%		70-130	12/22/23 13:35	BKP	EPA 8260D	

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Sample Location: 2312898-001N (R6 North-20231213)  
 Lab/Sample Number: MDL0646-02 Collect Date: 12/13/23 12:00  
 Date Received: 12/19/23 14:44 Collected By:  
 Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Semivolatiles</b>							
Dieldrin	ND	ug/L	0.0100	12/27/23 20:52	GPB	EPA 608.3	
<i>Surrogate: DCB</i>	<i>83.6%</i>		<i>40-130</i>	<i>12/27/23 20:52</i>	<i>GPB</i>	<i>EPA 608.3</i>	
Benzidine	ND	ug/L	1.00	12/29/23 0:29	MAH	EPA 625.1	
Benzo[a]anthracene	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Benzo[a]pyrene	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Benzo[b]fluoranthene	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Benzo[k]fluoranthene	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Chrysene	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Dibenz[a,h]anthracene	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Dibenzofuran	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
Pentachlorophenol	ND	ug/L	0.500	12/29/23 0:29	MAH	EPA 625.1	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>92.4%</i>		<i>47-122</i>	<i>12/29/23 0:29</i>	<i>MAH</i>	<i>EPA 625.1</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>81.2%</i>		<i>49-115</i>	<i>12/29/23 0:29</i>	<i>MAH</i>	<i>EPA 625.1</i>	
<i>Surrogate: 2-Fluorophenol</i>	<i>78.6%</i>		<i>30-115</i>	<i>12/29/23 0:29</i>	<i>MAH</i>	<i>EPA 625.1</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>76.2%</i>		<i>51-110</i>	<i>12/29/23 0:29</i>	<i>MAH</i>	<i>EPA 625.1</i>	
<i>Surrogate: Phenol-2,3,4,5,6-d5</i>	<i>81.2%</i>		<i>40-120</i>	<i>12/29/23 0:29</i>	<i>MAH</i>	<i>EPA 625.1</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>106%</i>		<i>50-130</i>	<i>12/29/23 0:29</i>	<i>MAH</i>	<i>EPA 625.1</i>	

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Sample Location: 2312898-002I (R6 South-20231214)  
Lab/Sample Number: MDL0646-03 Collect Date: 12/14/23 14:45  
Date Received: 12/19/23 14:44 Collected By:  
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Volatiles</b>							
Tetrahydrofuran	ND	ug/L	0.500	12/22/23 14:07	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	104%		70-130	12/22/23 14:07	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	76.0%		70-130	12/22/23 14:07	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.1%		70-130	12/22/23 14:07	BKP	EPA 8260D	

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Sample Location: 2312898-002N (R6 South-20231214)  
 Lab/Sample Number: MDL0646-04 Collect Date: 12/13/23 12:00  
 Date Received: 12/19/23 14:44 Collected By:  
 Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
<b>Semivolatiles</b>							
Dieldrin	ND	ug/L	0.0100	12/27/23 21:10	GPB	EPA 608.3	
<i>Surrogate: DCB</i>	90.2%		40-130	12/27/23 21:10	GPB	EPA 608.3	
Benzidine	ND	ug/L	1.00	12/29/23 0:56	MAH	EPA 625.1	
Benzo[a]anthracene	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Benzo[a]pyrene	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Benzo[b]fluoranthene	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Benzo[k]fluoranthene	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Chrysene	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Dibenz[a,h]anthracene	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Dibenzofuran	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
Pentachlorophenol	ND	ug/L	0.500	12/29/23 0:56	MAH	EPA 625.1	
<i>Surrogate: 2,4,6-Tribromophenol</i>	90.8%		47-122	12/29/23 0:56	MAH	EPA 625.1	
<i>Surrogate: 2-Fluorobiphenyl</i>	86.7%		49-115	12/29/23 0:56	MAH	EPA 625.1	
<i>Surrogate: 2-Fluorophenol</i>	78.2%		30-115	12/29/23 0:56	MAH	EPA 625.1	
<i>Surrogate: Nitrobenzene-d5</i>	84.8%		51-110	12/29/23 0:56	MAH	EPA 625.1	
<i>Surrogate: Phenol-2,3,4,5,6-d5</i>	82.5%		40-120	12/29/23 0:56	MAH	EPA 625.1	
<i>Surrogate: Terphenyl-d14</i>	108%		50-130	12/29/23 0:56	MAH	EPA 625.1	



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---

Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte

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# Anatek Labs, Inc.

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 504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

## Quality Control Data

### Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------

#### Batch: BDL0839 - Pesticides

##### Blank (BDL0839-BLK1)

Prepared: 12/20/2023 Analyzed: 12/27/2023

Dieldrin	ND		0.0100	ug/L						
Surrogate: DCB			1.36	ug/L	1.25		109	40-130		

##### LCS (BDL0839-BS1)

Prepared: 12/20/2023 Analyzed: 12/27/2023

Dieldrin	0.488		0.0100	ug/L	0.500		97.6	73-136		
Surrogate: DCB			1.15	ug/L	1.25		91.7	40-130		

##### Matrix Spike (BDL0839-MS1)

Source: MDL0646-02

Prepared: 12/20/2023 Analyzed: 12/27/2023

Dieldrin	0.494		0.0100	ug/L	0.500	ND	98.7	66-129		
Surrogate: DCB			1.00	ug/L	1.25		80.1	40-130		

##### Matrix Spike Dup (BDL0839-MSD1)

Source: MDL0646-02

Prepared: 12/20/2023 Analyzed: 12/27/2023

Dieldrin	0.507		0.0100	ug/L	0.500	ND	101	66-129	2.67	30
Surrogate: DCB			1.09	ug/L	1.25		86.9	40-130		

#### Batch: BDL0939 - SVOC Water

##### Blank (BDL0939-BLK1)

Prepared: 12/20/2023 Analyzed: 12/28/2023

Benzidine	ND		1.00	ug/L						
Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
Indeno(1,2,3-cd)pyrene	ND		0.500	ug/L						
Dibenzofuran	ND		0.500	ug/L						
Dibenz(a,h)anthracene	ND		0.500	ug/L						
Chrysene	ND		0.500	ug/L						
Pentachlorophenol	ND		0.500	ug/L						
Benzo[k]fluoranthene	ND		0.500	ug/L						
Benzo[b]fluoranthene	ND		0.500	ug/L						
Benzo[a]anthracene	ND		0.500	ug/L						
Benzo[a]pyrene	ND		0.500	ug/L						
Surrogate: Phenol-2,3,4,5,6-d5			43.7	ug/L	50.0		87.5	40-120		
Surrogate: Nitrobenzene-d5			21.0	ug/L	25.0		84.0	51-110		
Surrogate: Terphenyl-d14			27.5	ug/L	25.0		110	50-130		
Surrogate: 2-Fluorophenol			39.5	ug/L	50.0		78.9	30-115		
Surrogate: 2-Fluorobiphenyl			21.7	ug/L	25.0		86.6	49-115		
Surrogate: 2,4,6-Tribromophenol			44.8	ug/L	50.0		89.6	47-122		

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## Quality Control Data (Continued)

### Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BDL0939 - SVOC Water (Continued)</b>										
<b>LCS (BDL0939-BS1)</b>					Prepared: 12/20/2023 Analyzed: 12/28/2023					
Indeno(1,2,3-cd)pyrene	4.19		0.500	ug/L	5.00		83.8	67-120		
Benzo[k]fluoranthene	5.01		0.500	ug/L	5.00		100	70-122		
Dibenzofuran	4.03		0.500	ug/L	5.00		80.6	70-120		
Dibenz(a,h)anthracene	4.30		0.500	ug/L	5.00		86.0	64-120		
Benzo[a]anthracene	4.61		0.500	ug/L	5.00		92.2	70-120		
Di (2-ethylhexyl) phthalate	4.85		0.500	ug/L	5.00		97.0	61-141		
Benzo[b]fluoranthene	4.63		0.500	ug/L	5.00		92.6	70-120		
Chrysene	4.80		0.500	ug/L	5.00		96.0	70-120		
Benzo[a]pyrene	4.19		0.500	ug/L	5.00		83.8	64-120		
Pentachlorophenol	4.41		0.500	ug/L	5.00		88.2	61-120		
-----										
Surrogate: Phenol-2,3,4,5,6-d5			39.4	ug/L	50.0		78.8	40-120		
Surrogate: Nitrobenzene-d5			21.2	ug/L	25.0		84.6	51-110		
Surrogate: Terphenyl-d14			25.7	ug/L	25.0		103	50-130		
Surrogate: 2-Fluorophenol			34.9	ug/L	50.0		69.7	30-115		
Surrogate: 2-Fluorobiphenyl			21.9	ug/L	25.0		87.7	49-115		
Surrogate: 2,4,6-Tribromophenol			43.8	ug/L	50.0		87.7	47-122		

### LCS Dup (BDL0939-BSD1)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Prepared: 12/20/2023 Analyzed: 12/28/2023										
Dibenz(a,h)anthracene	4.32		0.500	ug/L	5.00		86.4	64-120	0.464	25
Dibenzofuran	4.36		0.500	ug/L	5.00		87.2	70-120	7.87	25
Indeno(1,2,3-cd)pyrene	4.22		0.500	ug/L	5.00		84.4	67-120	0.713	25
Pentachlorophenol	4.68		0.500	ug/L	5.00		93.6	61-120	5.94	25
Chrysene	4.76		0.500	ug/L	5.00		95.2	70-120	0.837	25
Benzo[a]anthracene	4.56		0.500	ug/L	5.00		91.2	70-120	1.09	25
Di (2-ethylhexyl) phthalate	4.62		0.500	ug/L	5.00		92.4	61-141	4.86	25
Benzo[a]pyrene	4.40		0.500	ug/L	5.00		88.0	64-120	4.89	25
Benzo[b]fluoranthene	4.62		0.500	ug/L	5.00		92.4	70-120	0.216	25
Benzo[k]fluoranthene	5.00		0.500	ug/L	5.00		100	70-122	0.200	25
-----										
Surrogate: Phenol-2,3,4,5,6-d5			46.2	ug/L	50.0		92.4	40-120		
Surrogate: Nitrobenzene-d5			23.2	ug/L	25.0		92.8	51-110		
Surrogate: Terphenyl-d14			26.0	ug/L	25.0		104	50-130		
Surrogate: 2-Fluorophenol			46.5	ug/L	50.0		93.0	30-115		
Surrogate: 2-Fluorobiphenyl			23.9	ug/L	25.0		95.7	49-115		
Surrogate: 2,4,6-Tribromophenol			48.7	ug/L	50.0		97.4	47-122		

## Quality Control Data (Continued)

### Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch: BDL0895 - VOC</b>										
<b>Blank (BDL0895-BLK1)</b>					Prepared & Analyzed: 12/21/2023					
Tetrahydrofuran	ND		0.500	ug/L						
-----										
Surrogate: 4-Bromofluorobenzene			19.1	ug/L	20.0		95.4	70-130		
Surrogate: Toluene-d8			19.5	ug/L	20.0		97.7	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.0	ug/L	20.0		100	70-130		
-----										
<b>LCS (BDL0895-BS1)</b>					Prepared & Analyzed: 12/22/2023					
Tetrahydrofuran	20.0		0.500	ug/L	20.0		100	80-120		
-----										

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## Quality Control Data (Continued)

### Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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### Batch: BDL0895 - VOC (Continued)

#### LCS (BDL0895-BS1)

Prepared & Analyzed: 12/22/2023

Surrogate: Toluene-d8	20.0	ug/L	20.0		99.8	70-130
Surrogate: 4-Bromofluorobenzene	16.0	ug/L	20.0		80.2	70-130
Surrogate: 1,2-Dichlorobenzene-d4	20.0	ug/L	20.0		100	70-130





SUB CONTRACTOR: <b>Anatek ID</b>	COMPANY: <b>Anatek Labs, Inc.</b>	PHONE: <b>(208) 883-2839</b>	FAX: <b>(208) 882-9246</b>
ADDRESS: <b>1282 Alturas Dr</b>		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: <b>Moscow, ID 83843</b>			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2312898-001I	R6 North-20231213	VOAHCL	Aqueous	12/13/2023 12:00:00 PM	3	Tetrahydrofuran by 8260 only
2	2312898-001N	R6 North-20231213	1LAMGU	Aqueous	12/13/2023 12:00:00 PM	2	608, 625 See Attached-
3	2312898-002I	R6South-20231214	VOAHCL	Aqueous	12/14/2023 2:45:00 PM	3	Tetrahydrofuran by 8260 only
4	2312898-002N	R6South-20231214	1LAMGU	Aqueous	12/14/2023 2:45:00 PM	2	608, 625 See Attached-

SPECIAL INSTRUCTIONS / COMMENTS:

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>CM</i>	Date: 12/15/2023	Time: 2:48 PM	Received By: <i>SM</i>	Date: 12/19/23	Time: 14:44	REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE  FOR LAB USE ONLY  Temp of samples _____ °C    Attempt to Cool? _____  Comments: _____
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
TAT:    Standard <input checked="" type="checkbox"/> RUSH    Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/>						

**Collaborative Monitoring Cooperative - Analyses List**  
**Attach to Chain of Custody**

Analyte (Bold indicates WQS)	CAS #	Fraction	Method #	MU (ug/L)
<del>Hardness (Ca + Mg)</del>	<del>NA</del>	Total	200.7	2.4
<del>Lead</del>	<del>7439-92-1</del>	Dissolved	200.8	0.09
<del>Copper</del>	<del>7440-50-8</del>	Dissolved	200.8	1.06
<del>Ammonia + organic nitrogen</del>	<del>7664-41-7</del>	Total	350.1	31.32
<del>Total Kjeldal Nitrogen</del>	<del>17778-88-0</del>	Total	351.2	58.78
<del>Nitrate + Nitrite</del>	<del>14797-55-8</del>	Total	353.2	10.17
<del>Polychlorinated biphenyls (PCBs)</del>	<del>1336-36-3</del>	Total	1668	0.014
<del>Tetrahydrofuran (THF)</del>	<del>109-99-9</del>	Total	8260C	7.9
bis(2-Ethylhexyl)phthalate	117-81-7	Total	8270D	0.2
Dibenzofuran	132-64-9	Total	8270D	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	Total	8270D	0.2
Benzo(b)fluoranthene	205-99-2	Total	8270D	0.1
Benzo(k)fluoranthene	207-08-9	Total	8270D	0.1
Chrysene	218-01-9	Total	8270D	0.2
Benzo(a)pyrene	50-32-8	Total	8270D	0.3
Dibenzo(a,h)anthracene	53-70-3	Total	8270D	0.3
Benzo(a)anthracene	56-55-3	Total	8270D	0.2
Dieldrin	60-57-1	Total	8270D	0.1
Pentachlorophenol	87-86-5	Total	8270D	0.2
Benzidine	92-87-5	Total	8270D	0.1
<del>Chemical Oxygen Demand</del>	<del>E1641638<sup>2</sup></del>	Total	HACH	5100
<del>Gross alpha (adjusted)</del>	<del>NA</del>	Total	Method 900	0.1 pCi/L
<del>Total Dissolved Solids</del>	<del>E1642222<sup>2</sup></del>	Total	SM 2540C	60.4
<del>Total Suspended Solids</del>	<del>NA</del>	Total	SM 2540D	3450
<del>Biological Oxygen Demand</del>	<del>N/A</del>	Total	Standard Methods	930
<del>Oil and Grease</del>		Total	1664A	5000
<del>Exoil</del>			SM 9223B	
<del>PH</del>			SM 4500	
<del>Phosphorus</del>		Dissolved	365.1	100
<del>Phosphorus</del>		Total	365.1	100
<del>Chromium IV</del>		Total	3500Cr C-2011	100





Anatek Labs, Inc.

### Sample Receipt and Preservation Form

Client Name: Hall

TAT: Normal RUSH: \_\_\_\_\_ days

Samples Received From: FedEx UPS USPS Client Courier Other: \_\_\_\_\_

Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/A

Number of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice None

Packing Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: \_\_\_\_\_

Cooler Temp As Read (°C): 3.8 Cooler Temp Corrected (°C): \_\_\_\_\_ Thermometer Used: 125

Comments:

Samples Received Intact? Yes No N/A  
 Chain of Custody Present/Complete? Yes No N/A  
 Labels and Chains Agree? Yes No N/A  
 Samples Received Within Hold Time? Yes No N/A  
 Correct Containers Received? Yes No N/A  
 Anatek Bottles Used? Yes No Unknown  
 Total Number of Sample Bottles Received: 10


Packing Material: Bubble  
 Samples Properly Preserved? Yes No N/A  
*If No, record preservation and pH-after details*  
 VOC Vials Free of Headspace (<6mm)? Yes No N/A  
 VOC Trip Blanks Present? Yes No N/A

Initial pH:		pH Paper ID:	
<2	or		

Record preservatives (and lot numbers, if known) for containers below:

GIL-608/625 x 4  
444 HCl 8260 by Tetrahydrofuran x 6

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received/Inspected By: SM Date/Time: 12/19/23 14:44

Form F19.01 - Eff 1 Dec 2022



# ANALYTICAL REPORT

December 27, 2023

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## Hall Environmental Analysis Laboratory

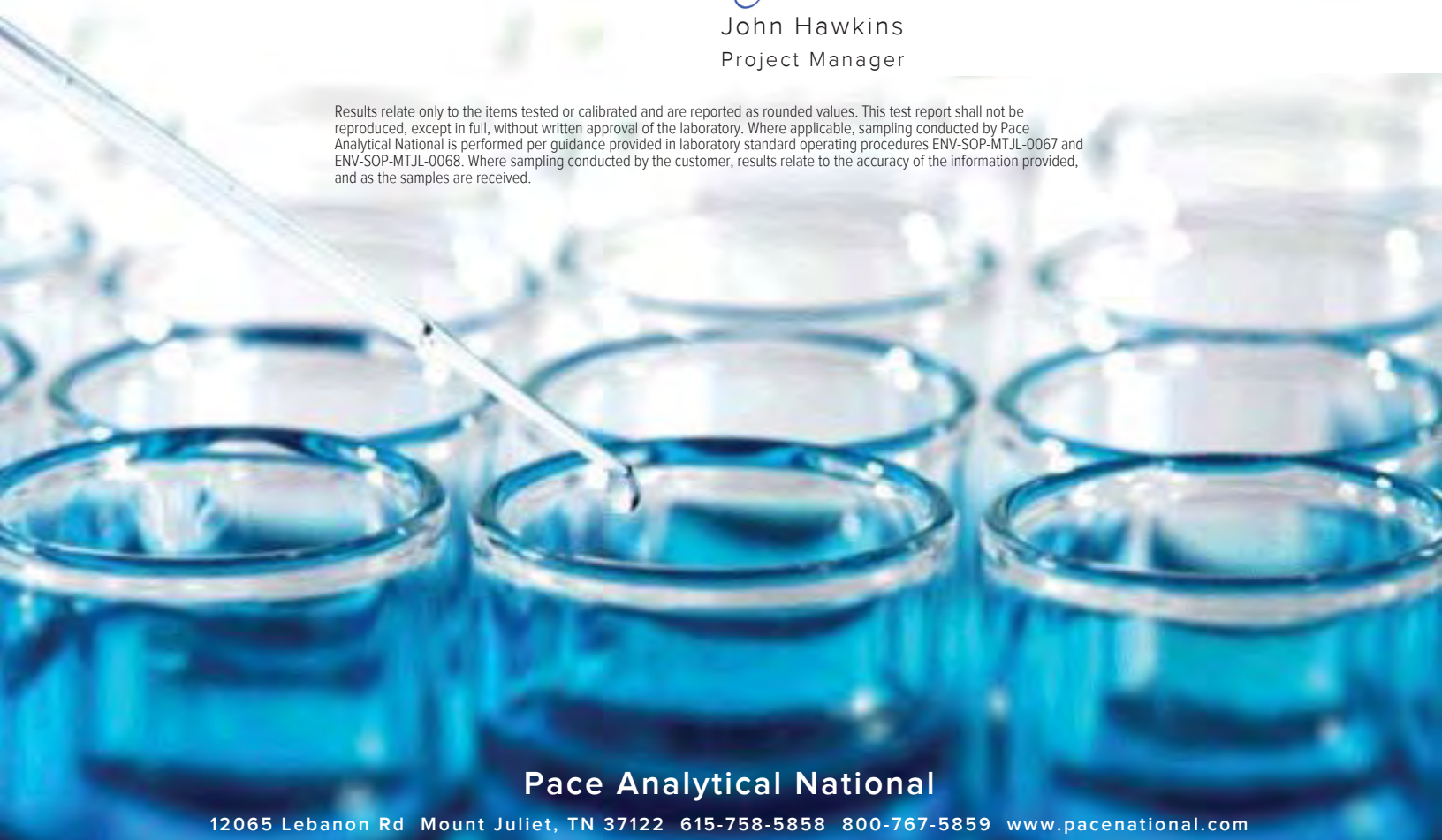
Sample Delivery Group: L1689671  
 Samples Received: 12/19/2023  
 Project Number:  
 Description:

Report To: Andy Freeman  
 4901 Hawkins NE  
 Albuquerque, NM 87109

Entire Report Reviewed By:

John Hawkins  
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 www.pacenational.com

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<b>Sr: Sample Results</b>	5	<sup>3</sup> Ss
2312898-001K R6 NORTH-20231213 L1689671-01	5	
2312898-002K R6SOUTH-20231214 L1689671-02	6	<sup>4</sup> Cn
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		<sup>9</sup> Sc

# SAMPLE SUMMARY

2312898-001K R6 NORTH-20231213 L1689671-01 GW

Collected by  
12/13/23 12:00  
Received date/time  
12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG2192881	1	12/27/23 02:50	12/27/23 02:50	SET	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

2312898-002K R6SOUTH-20231214 L1689671-02 GW

Collected by  
12/14/23 14:45  
Received date/time  
12/19/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG2192881	1	12/27/23 03:01	12/27/23 03:01	SET	Mt. Juliet, TN

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

# CASE NARRATIVE

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.



John Hawkins  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.000500	1	12/27/2023 02:50	<a href="#">WG2192881</a>

- <sup>1</sup>Cp
- <sup>2</sup>Tc
- <sup>3</sup>Ss
- <sup>4</sup>Cn
- <sup>5</sup>Sr
- <sup>6</sup>Qc
- <sup>7</sup>Gl
- <sup>8</sup>Al
- <sup>9</sup>Sc

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Hexavalent Chromium	ND		0.000500	1	12/27/2023 03:01	<a href="#">WG2192881</a>

- <sup>1</sup>Cp
- <sup>2</sup>Tc
- <sup>3</sup>Ss
- <sup>4</sup>Cn
- <sup>5</sup>Sr
- <sup>6</sup>Qc
- <sup>7</sup>Gl
- <sup>8</sup>Al
- <sup>9</sup>Sc



Method Blank (MB)

(MB) R4016926-1 12/27/23 01:29

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium	U		0.000150	0.000500

1 Cp

2 Tc

3 Ss

L1688418-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1688418-02 12/27/23 02:06 • (DUP) R4016926-3 12/27/23 02:17

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	0.00166	0.00165	1	0.871		20

4 Cn

5 Sr

L1691175-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1691175-01 12/27/23 04:51 • (DUP) R4016926-5 12/27/23 05:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium	ND	ND	1	0.000		20

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R4016926-2 12/27/23 01:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium	0.00200	0.00201	101	90.0-110	

L1689942-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1689942-01 12/27/23 03:12 • (MS) R4016926-4 12/27/23 03:23

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Hexavalent Chromium	0.0500	ND	0.0454	90.8	1	90.0-110	

L1691177-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1691177-01 12/27/23 05:35 • (MS) R4016926-6 12/27/23 06:07 • (MSD) R4016926-7 12/27/23 06:18

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium	0.0500	ND	0.0465	0.0463	92.9	92.6	1	90.0-110			0.328	20

# GLOSSARY OF TERMS

## 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.

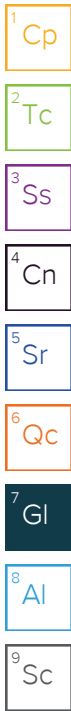
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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.



# ACCREDITATIONS & LOCATIONS

## 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	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	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

SUB CONTRACTOR: <b>Pace TN</b>	COMPANY: <b>PACE TN</b>	PHONE: <b>(800) 767-5859</b>	FAX: <b>(615) 758-5859</b>
ADDRESS: <b>12065 Lebanon Rd</b>		ACCOUNT #:	EMAIL: <b>A120</b>
CITY, STATE, ZIP: <b>Mt. Juliet, TN 37122</b>			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2312898-001K	R6 North-20231213	120mL	Aqueous	12/13/2023 12:00:00 PM	1 Cr6	21689671 -01
2	2312898-002K	R6South-20231214	120mL	Aqueous	12/14/2023 2:45:00 PM	1 Cr6	-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

Sufficient volume sent:  Y  N

RA screen <0.5 mR/hr:  Y  N

**SPECIAL INSTRUCTIONS / COMMENTS:**

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

Relinquished By: <i>CEU</i>	Date: 12/15/2023	Time: 8:45 AM	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <i>Port Kelly</i>	Date: 12-19-23	Time: 9:00

TAT: Standard  RUSH Next BD  2nd BD  3rd BD

REPORT TRANSMITTAL DESIRED:

HARDCOPY (extra cost)  FAX  EMAIL  ONLINE

FOR LAB USE ONLY

Temp of samples: *MSA8 2.740-2.4* Attempt to Cool? \_\_\_\_\_

Comments: *6643 4204 9561*

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Data Submittal  
EET South Central Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Suite D  
Albuquerque, New Mexico 87109

Generated 1/18/2024 3:40:00 PM

## JOB DESCRIPTION

2312898  
2312898

## JOB NUMBER

160-52632-1



# Eurofins St. Louis

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 TestAmerica Project Manager.

## Authorization



Generated  
1/18/2024 3:40:00 PM

Authorized for release by  
Erika Jordan, Project Manager  
[erika.jordan@et.eurofinsus.com](mailto:erika.jordan@et.eurofinsus.com)  
(314)298-8566



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# Case Narrative

Client: EET South Central Hall Environmental Analysis Laboratory  
Project: 2312898

Job ID: 160-52632-1

**Job ID: 160-52632-1**

**Eurofins St. Louis**

## CASE NARRATIVE

**Client: Hall Environmental Analysis Laboratory**

**Project: 2312898**

**Report Number: 160-52632-1**

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample 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.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

### Receipt

The samples were received on 12/19/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperature of the cooler at receipt time was 5.6°C

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

Samples 2312898-001M/ R6 North-20231213 (52632-1) and 2312898-002M/ R6 South-20231214 (52632-2) were analyzed for Metals (ICP/MS). The samples were prepared on 12/20/2023 and analyzed on 12/21/2023.

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

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

Samples 2312898-001M/ R6 North-20231213 (52632-1) and 2312898-002M/ R6 South-20231214 (52632-2) were analyzed for Gross Alpha and Gross Beta Radioactivity. The samples were prepared on 12/21/2023 and analyzed on 1/12/2024.

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

### Method Gross Alpha Adj - Gross Alpha Adjusted

Eurofins St. Louis

## Case Narrative

Client: EET South Central Hall Environmental Analysis Laboratory  
Project: 2312898

Job ID: 160-52632-1

**Job ID: 160-52632-1 (Continued)**

**Eurofins St. Louis**

Samples 2312898-001M/ R6 North-20231213 (52632-1) and 2312898-002M/ R6 South-20231214 (52632-2) were analyzed for Gross Alpha Adjusted. The samples were prepared on 12/20/2023 and analyzed on 12/21/2023 and 1/12/2024.

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

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SUB CONTRACTOR	<b>Eurofins St. Louis</b>	COMPANY	<b>Eurofins TestAmerica</b>	PHONE	<b>(314) 298-8566</b>	FAX	<b>(314) 298-8757</b>
ADDRESS	<b>13715 Rider Trail North</b>			ACCOUNT #	EMAIL		
CITY, STATE, ZIP	<b>Earth City, MO 63045</b>						

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2312898-001M	R6 North-20231213	1LHDPEHNO	Aqueous	12/13/2023 12:00:00 PM	2	Adjusted Gross Alpha -Pease Apply ICO Pricing-
2	2312898-002M	R6South-20231214	1LHDPEHNO	Aqueous	12/14/2023 2:45:00 PM	2	Adjusted Gross Alpha -Pease Apply ICO Pricing-



SPECIAL INSTRUCTIONS / COMMENTS:

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

Relinquished By	<i>CU</i>	Date	12/15/2023	Time	2:49 PM	Received By	<i>[Signature]</i>	Date	12/19/23	Time	0950	REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARD COPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE  FOR LAB USE ONLY  Temp of samples _____ °C    Attempt to Cool? _____  Comments _____
Relinquished By		Date		Time		Received By		Date		Time		
Relinquished By		Date		Time		Received By		Date		Time		
TAT:    Standard <input type="checkbox"/> <b>RUSH</b> Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/>												





# Login Sample Receipt Checklist

Client: EET South Central Hall Environmental Analysis Laboratory

Job Number: 160-52632-1

SDG Number: 2312898

**Login Number: 52632**

**List Number: 1**

**Creator: Thornley, Richard W**

**List Source: Eurofins St. Louis**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# Definitions/Glossary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: 2312898

Job ID: 160-52632-1  
SDG: 2312898

## Qualifiers

### 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.
α	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

# Method Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: 2312898

Job ID: 160-52632-1  
SDG: 2312898

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET SL
900.0	Gross Alpha and Gross Beta Radioactivity	EPA	EET SL
Gross Alpha Adj	Gross Alpha Adjusted	SM	EET SL
200.7/200.8	Preparation, Metals	EPA	EET SL
Evaporation	Preparation, Evaporation	None	EET SL

**Protocol References:**

- EPA = US Environmental Protection Agency
- None = None
- SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

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



# Sample Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: 2312898

Job ID: 160-52632-1  
SDG: 2312898

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-52632-1	2312898-001M/ R6 North-20231213	Water	12/13/23 12:00	12/19/23 09:30
160-52632-2	2312898-002M/ R6 South-20231214	Water	12/14/23 14:45	12/19/23 09:30

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# Client Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory  
 Project/Site: 2312898

Job ID: 160-52632-1  
 SDG: 2312898

**Client Sample ID: 2312898-001M/ R6 North-20231213**

**Lab Sample ID: 160-52632-1**

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	2.0		1.0	0.15	ug/L		12/20/23 13:07	12/21/23 18:29	2

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

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Gross Alpha	3.56		1.67	1.72	3.00	2.17	pCi/L	12/21/23 09:43	01/12/24 07:28	1

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

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Adjusted Gross Alpha	2.25		1.67	1.72	3.00	2.17	pCi/L		01/12/24 07:28	1

**Client Sample ID: 2312898-002M/ R6 South-20231214**

**Lab Sample ID: 160-52632-2**

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	2.3		1.0	0.15	ug/L		12/20/23 13:07	12/21/23 18:43	2

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

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Gross Alpha	2.48		1.38	1.40	3.00	1.88	pCi/L	12/21/23 09:43	01/12/24 07:29	1

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

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Adjusted Gross Alpha	0.945	U	1.39	1.43	3.00	1.88	pCi/L		01/12/24 07:29	1



# QC Sample Results

Client: EET South Central Hall Environmental Analysis Laboratory  
 Project/Site: 2312898

Job ID: 160-52632-1  
 SDG: 2312898

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

Lab Sample ID: MB 160-641644/1-A  
 Matrix: Water  
 Analysis Batch: 641944

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 641644

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		1.0	0.15	ug/L		12/20/23 13:07	12/21/23 18:01	2

Lab Sample ID: LCS 160-641644/2-A  
 Matrix: Water  
 Analysis Batch: 641944

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 641644

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	1000	1080		ug/L		108	85 - 115

Lab Sample ID: 160-52632-1 MS  
 Matrix: Water  
 Analysis Batch: 641944

Client Sample ID: 2312898-001M/ R6 North-20231213  
 Prep Type: Total/NA  
 Prep Batch: 641644

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	2.0		1000	1070		ug/L		107	70 - 130

Lab Sample ID: 160-52632-1 MSD  
 Matrix: Water  
 Analysis Batch: 641944

Client Sample ID: 2312898-001M/ R6 North-20231213  
 Prep Type: Total/NA  
 Prep Batch: 641644

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Uranium	2.0		1000	1070		ug/L		107	70 - 130	0	20

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

Lab Sample ID: MB 160-641799/1-A  
 Matrix: Water  
 Analysis Batch: 643779

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 641799

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	-0.09837	U	0.637	0.637	3.00	1.24	pCi/L	12/21/23 09:43	01/10/24 07:42	1

Lab Sample ID: LCS 160-641799/2-A  
 Matrix: Water  
 Analysis Batch: 643779

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 641799

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Gross Alpha	49.3	53.21		7.79	3.00	2.08	pCi/L	108	75 - 125

# QC Association Summary

Client: EET South Central Hall Environmental Analysis Laboratory  
Project/Site: 2312898

Job ID: 160-52632-1  
SDG: 2312898

## Metals

### Prep Batch: 641644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52632-1	2312898-001M/ R6 North-20231213	Total/NA	Water	200.7/200.8	
160-52632-2	2312898-002M/ R6 South-20231214	Total/NA	Water	200.7/200.8	
MB 160-641644/1-A	Method Blank	Total/NA	Water	200.7/200.8	
LCS 160-641644/2-A	Lab Control Sample	Total/NA	Water	200.7/200.8	
160-52632-1 MS	2312898-001M/ R6 North-20231213	Total/NA	Water	200.7/200.8	
160-52632-1 MSD	2312898-001M/ R6 North-20231213	Total/NA	Water	200.7/200.8	

### Analysis Batch: 641944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52632-1	2312898-001M/ R6 North-20231213	Total/NA	Water	200.8	641644
160-52632-2	2312898-002M/ R6 South-20231214	Total/NA	Water	200.8	641644
MB 160-641644/1-A	Method Blank	Total/NA	Water	200.8	641644
LCS 160-641644/2-A	Lab Control Sample	Total/NA	Water	200.8	641644
160-52632-1 MS	2312898-001M/ R6 North-20231213	Total/NA	Water	200.8	641644
160-52632-1 MSD	2312898-001M/ R6 North-20231213	Total/NA	Water	200.8	641644

## Rad

### Prep Batch: 641799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-52632-1	2312898-001M/ R6 North-20231213	Total/NA	Water	Evaporation	
160-52632-2	2312898-002M/ R6 South-20231214	Total/NA	Water	Evaporation	
MB 160-641799/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-641799/2-A	Lab Control Sample	Total/NA	Water	Evaporation	

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Reporting Albuquerque  
Eurofins Environment Testing South Central LLC  
4901 Hawkins NE  
Albuquerque, New Mexico 87109

Generated 1/25/2024 10:58:43 AM

## JOB DESCRIPTION

2312898

## JOB NUMBER

320-108192-1

# Eurofins Sacramento

## Job Notes

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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 Northern California, LLC Project Manager.

## Authorization



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# Definitions/Glossary

Client: Eurofins Environment Testing South Central LLC  
Project/Site: 2312898

Job ID: 320-108192-1

## Qualifiers

### Dioxin

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
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.

## 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

# Case Narrative

Client: Eurofins Environment Testing South Central LLC  
Project: 2312898

Job ID: 320-108192-1

**Job ID: 320-108192-1**

**Eurofins Sacramento**

## Job Narrative 320-108192-1

### Receipt

The samples were received on 12/19/2023 9:30 AM. 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 was 0.8° C.

### Dioxin

Methods 1668A: Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following samples: 2312898-001 - R6 North-20231213 (320-108192-1) and 2312898-002 - R6South-20231214 (320-108192-2). The theoretical area for the IDA was used to quantitate recovery and target concentration.

Methods 1668A: The ion abundance ratio is outside criteria for the Internal Standard PCB-9L associated with the following sample: 2312898-002 - R6South-20231214 (320-108192-2). The theoretical area for the Internal Standard was used to quantitate the related Isotope Dilution Analytes (IDA) recoveries.

Method 1668A: The Isotope Dilution Analyte (IDA) recovery associated with the following samples is below the method recommended limit: 2312898-001 - R6 North-20231213 (320-108192-1) and 2312898-002 - R6South-20231214 (320-108192-2). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the samples.

Method 1668A: Ion abundance ratios are outside criteria for the surrogate (SU) associated with the following samples: 2312898-002 - R6South-20231214 (320-108192-2). The theoretical area for the SU was used to quantitate recovery.

Method 1668A: The following sample exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): 2312898-002 - R6South-20231214 (320-108192-2). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Method 1668A: The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: 2312898-001 - R6 North-20231213 (320-108192-1). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 1668A: Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) associated with the following sample: 2312898-002 - R6South-20231214 (320-108192-2). 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.

### Dioxin Prep

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

# Detection Summary

Client: Eurofins Environment Testing South Central LLC  
Project/Site: 2312898

Job ID: 320-108192-1

Client Sample ID: 2312898-001 - R6 North-20231213

Lab Sample ID: 320-108192-1

No Detections.

Client Sample ID: 2312898-002 - R6South-20231214

Lab Sample ID: 320-108192-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-44	17	J	120	2.2	pg/L	1			1668A	Total/NA
PCB-47	17	J	120	2.2	pg/L	1			1668A	Total/NA
PCB-49	3.8	J q	42	2.0	pg/L	1			1668A	Total/NA
PCB-52	14	J	100	2.3	pg/L	1			1668A	Total/NA
PCB-65	17	J	120	2.2	pg/L	1			1668A	Total/NA
PCB-69	3.8	J q	42	2.0	pg/L	1			1668A	Total/NA
PCB-85	12	J q	62	1.2	pg/L	1			1668A	Total/NA
PCB-90	11	J q	120	1.5	pg/L	1			1668A	Total/NA
PCB-95	12	J	100	1.7	pg/L	1			1668A	Total/NA
PCB-101	11	J q	120	1.5	pg/L	1			1668A	Total/NA
PCB-113	11	J q	120	1.5	pg/L	1			1668A	Total/NA
PCB-116	12	J q	62	1.2	pg/L	1			1668A	Total/NA
PCB-117	12	J q	62	1.2	pg/L	1			1668A	Total/NA
PCB-118	9.2	J q	42	1.2	pg/L	1			1668A	Total/NA
PCB-129	14	J q	62	0.99	pg/L	1			1668A	Total/NA
PCB-138	14	J q	62	0.99	pg/L	1			1668A	Total/NA
PCB-147	14	J q	42	1.0	pg/L	1			1668A	Total/NA
PCB-149	14	J q	42	1.0	pg/L	1			1668A	Total/NA
PCB-153	11	J	42	0.80	pg/L	1			1668A	Total/NA
PCB-160	14	J q	21	0.99	pg/L	1			1668A	Total/NA
PCB-163	14	J q	62	0.99	pg/L	1			1668A	Total/NA
PCB-168	11	J	42	0.80	pg/L	1			1668A	Total/NA
PCB-180	11	J q	42	1.7	pg/L	1			1668A	Total/NA
PCB-193	11	J q	42	1.7	pg/L	1			1668A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-001 - R6 North-20231213**

**Lab Sample ID: 320-108192-1**

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		98	1.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-2	ND		98	1.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-3	ND		150	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-4	ND		98	13	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-5	ND		20	15	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-6	ND		20	14	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-7	ND		39	15	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-8	ND		39	14	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-9	ND		39	15	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-10	ND		39	8.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-11	ND		150	16	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-12	ND		200	16	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-13	ND		200	16	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-14	ND		39	16	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-15	ND		98	12	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-16	ND		39	6.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-17	ND		39	6.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-18	ND		39	4.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-19	ND		39	6.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-20	ND		79	4.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-21	ND		39	4.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-22	ND		20	4.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-23	ND		39	4.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-24	ND		20	4.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-25	ND		20	3.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-26	ND		79	4.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-27	ND		20	4.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-28	ND		79	4.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-29	ND		79	4.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-30	ND		39	4.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-31	ND		98	4.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-32	ND		20	4.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-33	ND		39	4.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-34	ND		20	4.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-35	ND		39	4.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-36	ND		20	4.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-37	ND		20	4.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-38	ND		20	4.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-39	ND		39	4.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-40	ND		39	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-41	ND		39	2.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-42	ND		39	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-43	ND		20	2.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-44	ND		120	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-45	ND		39	2.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-46	ND		20	2.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-47	ND		120	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-48	ND		20	2.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-49	ND		39	1.8	pg/L		01/10/24 07:52	01/19/24 18:05	1

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-001 - R6 North-20231213**

**Lab Sample ID: 320-108192-1**

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	ND		39	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-51	ND		39	2.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-52	ND		98	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-53	ND		39	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-54	ND		39	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-55	ND		39	1.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-56	ND		20	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-57	ND		20	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-58	ND		20	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-59	ND		59	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-60	ND		39	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-61	ND		160	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-62	ND		59	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-63	ND		39	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-64	ND		39	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-65	ND		120	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-66	ND		39	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-67	ND		20	1.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-68	ND		39	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-69	ND		39	1.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-70	ND		160	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-71	ND		39	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-72	ND		20	2.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-73	ND		20	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-74	ND		160	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-75	ND		59	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-76	ND		160	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-77	ND		20	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-78	ND		20	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-79	ND		39	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-80	ND		39	1.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-81	ND		20	2.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-82	ND		20	1.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-83	ND		20	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-84	ND		39	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-85	ND		59	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-86	ND		120	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-87	ND		120	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-88	ND		39	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-89	ND		39	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-90	ND		120	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-91	ND		39	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-92	ND		39	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-93	ND		79	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-94	ND		39	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-95	ND		98	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-96	ND		20	0.71	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-97	ND		120	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-98	ND		39	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1



# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-001 - R6 North-20231213**

**Lab Sample ID: 320-108192-1**

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	ND		39	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-100	ND		79	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-101	ND		120	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-102	ND		39	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-103	ND		39	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-104	ND		39	0.79	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-105	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-106	ND		39	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-107	ND		39	0.92	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-108	ND		120	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-109	ND		20	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-110	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-111	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-112	ND		20	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-113	ND		120	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-114	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-115	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-116	ND		59	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-117	ND		59	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-118	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-119	ND		120	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-120	ND		20	0.94	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-121	ND		20	0.99	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-122	ND		39	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-123	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-124	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-125	ND		120	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-126	ND		20	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-127	ND		20	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-128	ND		79	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-129	ND		59	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-130	ND		20	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-131	ND		20	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-132	ND		20	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-133	ND		20	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-134	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-135	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-136	ND		20	0.86	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-137	ND		20	0.86	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-138	ND		59	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-139	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-140	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-141	ND		20	1.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-142	ND		20	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-143	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-144	ND		20	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-145	ND		20	0.91	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-146	ND		20	0.83	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-147	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-001 - R6 North-20231213**

**Lab Sample ID: 320-108192-1**

**Date Collected: 12/13/23 12:00**

**Matrix: Water**

**Date Received: 12/19/23 09:30**

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		20	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-149	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-150	ND		20	0.86	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-151	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-152	ND		20	0.89	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-153	ND		39	0.83	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-154	ND		20	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-155	ND		20	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-156	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-157	ND		39	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-158	ND		20	0.85	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-159	ND		20	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-160	ND		20	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-161	ND		20	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-162	ND		39	1.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-163	ND		59	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-164	ND		20	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-165	ND		20	0.94	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-166	ND		79	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-167	ND		39	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-168	ND		39	0.83	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-169	ND		20	1.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-170	ND		39	3.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-171	ND		39	2.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-172	ND		20	3.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-173	ND		39	2.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-174	ND		20	3.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-175	ND		20	1.8	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-176	ND		20	1.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-177	ND		20	2.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-178	ND		20	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-179	ND		20	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-180	ND		39	2.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-181	ND		20	2.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-182	ND		20	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-183	ND		20	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-184	ND		20	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-185	ND		39	3.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-186	ND		20	1.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-187	ND		20	1.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-188	ND		20	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-189	ND		20	1.7	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-190	ND		20	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-191	ND		39	2.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-192	ND		20	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-193	ND		39	2.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-194	ND		39	2.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-195	ND		20	2.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-196	ND		20	2.1	pg/L		01/10/24 07:52	01/19/24 18:05	1

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-001 - R6 North-20231213**

**Lab Sample ID: 320-108192-1**

Date Collected: 12/13/23 12:00

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		20	1.3	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-198	ND		39	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-199	ND		39	1.9	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-200	ND		20	2.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-201	ND		20	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-202	ND		20	1.6	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-203	ND		20	2.0	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-204	ND		20	1.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-205	ND		20	2.1	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-206	ND		39	4.2	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-207	ND		20	3.4	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-208	ND		20	3.5	pg/L		01/10/24 07:52	01/19/24 18:05	1
PCB-209	ND		39	1.4	pg/L		01/10/24 07:52	01/19/24 18:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	51		15 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-3L	51		15 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-4L	42		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-15L	48		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-19L	45		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-37L	55		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-54L	29		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-77L	55		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-81L	53		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-104L	31		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-105L	55		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-114L	56		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-118L	55		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-123L	57		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-126L	56		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-155L	50		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-156L	99		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-156L/157L	99		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-157L	99		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-167L	98		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-169L	103		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-188L	24	*5-	25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-189L	54		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-202L	43		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-205L	66		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-206L	60		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-208L	54		25 - 150	01/10/24 07:52	01/19/24 18:05	1
PCB-209L	46		25 - 150	01/10/24 07:52	01/19/24 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	79		30 - 135	01/10/24 07:52	01/19/24 18:05	1
PCB-111L	86		30 - 135	01/10/24 07:52	01/19/24 18:05	1
PCB-178L	67		30 - 135	01/10/24 07:52	01/19/24 18:05	1

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-002 - R6South-20231214**

**Lab Sample ID: 320-108192-2**

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		100	1.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-2	ND		100	1.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-3	ND		160	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-4	ND		100	9.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-5	ND	G	22	22	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-6	ND		21	20	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-7	ND		42	22	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-8	ND		42	20	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-9	ND		42	22	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-10	ND		42	6.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-11	ND		160	23	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-12	ND		210	23	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-13	ND		210	23	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-14	ND		42	23	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-15	ND		100	18	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-16	ND		42	6.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-17	ND		42	6.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-18	ND		42	4.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-19	ND		42	6.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-20	ND		83	4.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-21	ND		42	5.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-22	ND		21	4.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-23	ND		42	5.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-24	ND		21	4.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-25	ND		21	4.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-26	ND		83	5.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-27	ND		21	4.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-28	ND		83	4.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-29	ND		83	5.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-30	ND		42	4.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-31	ND		100	5.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-32	ND		21	4.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-33	ND		42	5.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-34	ND		21	5.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-35	ND		42	4.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-36	ND		21	5.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-37	ND		21	5.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-38	ND		21	5.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-39	ND		42	5.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-40	ND		42	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-41	ND		42	3.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-42	ND		42	2.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-43	ND		21	2.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-44</b>	<b>17</b>	<b>J</b>	120	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-45	ND		42	2.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-46	ND		21	3.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-47</b>	<b>17</b>	<b>J</b>	120	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-48	ND		21	2.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-49</b>	<b>3.8</b>	<b>J q</b>	42	2.0	pg/L		01/10/24 07:52	01/19/24 19:07	1

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-002 - R6South-20231214**

**Lab Sample ID: 320-108192-2**

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-50	ND		42	2.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-51	ND		42	2.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-52</b>	<b>14</b>	<b>J</b>	100	2.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-53	ND		42	2.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-54	ND		42	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-55	ND		42	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-56	ND		21	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-57	ND		21	2.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-58	ND		21	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-59	ND		62	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-60	ND		42	2.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-61	ND		170	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-62	ND		62	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-63	ND		42	2.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-64	ND		42	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-65</b>	<b>17</b>	<b>J</b>	120	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-66	ND		42	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-67	ND		21	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-68	ND		42	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-69</b>	<b>3.8</b>	<b>J q</b>	42	2.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-70	ND		170	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-71	ND		42	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-72	ND		21	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-73	ND		21	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-74	ND		170	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-75	ND		62	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-76	ND		170	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-77	ND		21	2.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-78	ND		21	2.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-79	ND		42	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-80	ND		42	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-81	ND		21	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-82	ND		21	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-83	ND		21	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-84	ND		42	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-85</b>	<b>12</b>	<b>J q</b>	62	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-86	ND		120	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-87	ND		120	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-88	ND		42	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-89	ND		42	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-90</b>	<b>11</b>	<b>J q</b>	120	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-91	ND		42	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-92	ND		42	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-93	ND		83	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-94	ND		42	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-95</b>	<b>12</b>	<b>J</b>	100	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-96	ND		21	0.72	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-97	ND		120	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-98	ND		42	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1



# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-002 - R6South-20231214**

**Lab Sample ID: 320-108192-2**

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	ND		42	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-100	ND		83	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-101</b>	<b>11</b>	<b>J q</b>	120	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-102	ND		42	1.8	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-103	ND		42	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-104	ND		42	0.96	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-105	ND		42	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-106	ND		42	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-107	ND		42	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-108	ND		120	1.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-109	ND		21	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-110	ND		42	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-111	ND		42	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-112	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-113</b>	<b>11</b>	<b>J q</b>	120	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-114	ND		42	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-115	ND		42	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-116</b>	<b>12</b>	<b>J q</b>	62	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-117</b>	<b>12</b>	<b>J q</b>	62	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-118</b>	<b>9.2</b>	<b>J q</b>	42	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-119	ND		120	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-120	ND		21	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-121	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-122	ND		42	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-123	ND		42	1.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-124	ND		42		pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-125	ND		120	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-126	ND		21	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-127	ND		21	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-128	ND		83	0.98	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-129</b>	<b>14</b>	<b>J q</b>	62	0.99	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-130	ND		21	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-131	ND		21	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-132	ND		21	1.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-133	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-134	ND		42	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-135	ND		42	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-136	ND		21	0.84	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-137	ND		21	0.84	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-138</b>	<b>14</b>	<b>J q</b>	62	0.99	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-139	ND		42	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-140	ND		42	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-141	ND		21	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-142	ND		21	1.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-143	ND		42	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-144	ND		21	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-145	ND		21	0.88	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-146	ND		21	0.80	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-147</b>	<b>14</b>	<b>J q</b>	42	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-002 - R6South-20231214**

**Lab Sample ID: 320-108192-2**

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-148	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-149</b>	<b>14</b>	<b>J q</b>	42	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-150	ND		21	0.83	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-151	ND		42	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-152	ND		21	0.87	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-153</b>	<b>11</b>	<b>J</b>	42	0.80	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-154	ND		21	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-155	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-156	ND		42	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-157	ND		42	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-158	ND		21	0.83	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-159	ND		21	0.93	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-160</b>	<b>14</b>	<b>J q</b>	21	0.99	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-161	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-162	ND		42	1.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-163</b>	<b>14</b>	<b>J q</b>	62	0.99	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-164	ND		21	1.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-165	ND		21	0.92	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-166	ND		83	0.98	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-167	ND		42	0.91	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-168</b>	<b>11</b>	<b>J</b>	42	0.80	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-169	ND		21	0.99	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-170	ND		42	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-171	ND		42	2.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-172	ND		21	2.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-173	ND		42	2.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-174	ND		21	2.3	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-175	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-176	ND		21	0.88	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-177	ND		21	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-178	ND		21	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-179	ND		21	0.75	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-180</b>	<b>11</b>	<b>J q</b>	42	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-181	ND		21	1.9	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-182	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-183	ND		21	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-184	ND		21	0.79	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-185	ND		42	2.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-186	ND		21	0.71	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-187	ND		21	0.93	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-188	ND		21	0.93	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-189	ND		21	1.4	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-190	ND		21	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-191	ND		42	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-192	ND		21	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
<b>PCB-193</b>	<b>11</b>	<b>J q</b>	42	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-194	ND		42	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-195	ND		21	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-196	ND		21	1.6	pg/L		01/10/24 07:52	01/19/24 19:07	1

# Client Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-002 - R6South-20231214**

**Lab Sample ID: 320-108192-2**

Date Collected: 12/14/23 14:45

Matrix: Water

Date Received: 12/19/23 09:30

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

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-197	ND		21	0.97	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-198	ND		42	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-199	ND		42	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-200	ND		21	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-201	ND		21	1.2	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-202	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-203	ND		21	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-204	ND		21	1.1	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-205	ND		21	1.5	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-206	ND		42	2.0	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-207	ND		21	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-208	ND		21	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1
PCB-209	ND		42	1.7	pg/L		01/10/24 07:52	01/19/24 19:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	62		15 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-3L	60		15 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-4L	50		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-15L	55		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-19L	55		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-37L	59		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-54L	32	q	25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-77L	58		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-81L	59		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-104L	33		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-105L	63		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-114L	62		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-118L	61		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-123L	63		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-126L	65		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-155L	54		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-156L	94		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-156L/157L	94		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-157L	94		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-167L	93		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-169L	94		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-188L	27		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-189L	56		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-202L	49		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-205L	69		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-206L	64		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-208L	58		25 - 150	01/10/24 07:52	01/19/24 19:07	1
PCB-209L	53		25 - 150	01/10/24 07:52	01/19/24 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	88		30 - 135	01/10/24 07:52	01/19/24 19:07	1
PCB-111L	96		30 - 135	01/10/24 07:52	01/19/24 19:07	1
PCB-178L	70		30 - 135	01/10/24 07:52	01/19/24 19:07	1

# Surrogate Summary

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L (30-135)	PCB111L (30-135)	PCB178L (30-135)
320-108192-1	2312898-001 - R6 North-202312	79	86	67
320-108192-2	2312898-002 - R6South-20231214	88	96	70
MB 320-732336/1-A	Method Blank	83	105	95
<b>Surrogate Legend</b>				
PCB28L = PCB-28L				
PCB111L = PCB-111L				
PCB178L = PCB-178L				

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L (40-125)	PCB111L (40-125)	PCB178L (40-125)
LCS 320-732336/2-A	Lab Control Sample	75	94	83
LCSD 320-732336/3-A	Lab Control Sample Dup	87	104	90
<b>Surrogate Legend</b>				
PCB28L = PCB-28L				
PCB111L = PCB-111L				
PCB178L = PCB-178L				



# Isotope Dilution Summary

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB1L (15-150)	PCB3L (15-150)	PCB4L (25-150)	PCB15L (25-150)	PCB19L (25-150)	PCB37L (25-150)	PCB54L (25-150)	PCB77L (25-150)
320-108192-1	2312898-001 - R6 North-202312	51	51	42	48	45	55	29	55
320-108192-2	2312898-002 - R6South-20231214	62	60	50	55	55	59	32 q	58
MB 320-732336/1-A	Method Blank	76	77	78	76	73	68	54	81

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB81L (25-150)	PCB104L (25-150)	PCB105L (25-150)	PCB114L (25-150)	PCB118L (25-150)	PCB123L (25-150)	PCB126L (25-150)	PCB155L (25-150)
320-108192-1	2312898-001 - R6 North-202312	53	31	55	56	55	57	56	50
320-108192-2	2312898-002 - R6South-20231214	59	33	63	62	61	63	65	54
MB 320-732336/1-A	Method Blank	79	52	89	84	85	85	95	54

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB156L (25-150)	156157L (25-150)	PCB157L (25-150)	PCB167L (25-150)	PCB169L (25-150)	PCB188L (25-150)	PCB189L (25-150)	PCB202L (25-150)
320-108192-1	2312898-001 - R6 North-202312	99	99	99	98	103	24 *5-	54	43
320-108192-2	2312898-002 - R6South-20231214	94	94	94	93	94	27	56	49
MB 320-732336/1-A	Method Blank	91	91	91	83	98	41	65	52

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB205L (25-150)	PCB206L (25-150)	PCB208L (25-150)	PCB209L (25-150)
320-108192-1	2312898-001 - R6 North-202312	66	60	54	46
320-108192-2	2312898-002 - R6South-20231214	69	64	58	53
MB 320-732336/1-A	Method Blank	85	92	71	98

#### 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



# Isotope Dilution Summary

Client: Eurofins Environment Testing South Central LLC

Job ID: 320-108192-1

Project/Site: 2312898

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)

Lab Sample ID	Client Sample ID	PCB1L (15-140)	PCB3L (15-140)	PCB4L (30-140)	PCB15L (30-140)	PCB19L (30-140)	PCB37L (30-140)	PCB54L (30-140)	PCB77L (30-140)
LCS 320-732336/2-A	Lab Control Sample	66	67	69	66	66	65	52	77
LCSD 320-732336/3-A	Lab Control Sample Dup	76	78	79	77	75	70	59	83

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB81L (30-140)	PCB104L (30-140)	PCB105L (30-140)	PCB114L (30-140)	PCB118L (30-140)	PCB123L (30-140)	PCB126L (30-140)	PCB155L (30-140)
LCS 320-732336/2-A	Lab Control Sample	75	51	84	81	77	79	91	51
LCSD 320-732336/3-A	Lab Control Sample Dup	82	56	92	88	86	86	96	52

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB156L (30-140)	156157L (30-140)	PCB157L (30-140)	PCB167L (30-140)	PCB169L (30-140)	PCB188L (30-140)	PCB189L (30-140)	PCB202L (30-140)
LCS 320-732336/2-A	Lab Control Sample	81	81	81	74	91	41	66	51
LCSD 320-732336/3-A	Lab Control Sample Dup	85	85	85	76	93	44	66	53

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB205L (30-140)	PCB206L (30-140)	PCB208L (30-140)	PCB209L (30-140)
LCS 320-732336/2-A	Lab Control Sample	85	94	72	103
LCSD 320-732336/3-A	Lab Control Sample Dup	85	96	72	104

### 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

# Isotope Dilution Summary

Client: Eurofins Environment Testing South Central LLC

Job ID: 320-108192-1

Project/Site: 2312898

PCB206L = PCB-206L

PCB208L = PCB-208L

PCB209L = PCB-209L

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# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

**Lab Sample ID: MB 320-732336/1-A**  
**Matrix: Water**  
**Analysis Batch: 733676**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 732336**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		100	0.79	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-2	ND		100	0.84	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-3	ND		150	0.79	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-4	ND		100	12	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-5	ND		20	6.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-6	ND		20	5.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-7	ND		40	5.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-8	ND		40	4.9	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-9	ND		40	6.0	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-10	ND		40	7.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-11	ND		150	6.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-12	ND		200	6.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-13	ND		200	6.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-14	ND		40	6.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-15	ND		100	4.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-16	ND		40	1.9	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-17	ND		40	1.9	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-18	ND		40	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-19	ND		40	2.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-20	ND		80	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-21	ND		40	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-22	ND		20	1.0	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-23	ND		40	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-24	ND		20	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-25	ND		20	0.89	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-26	ND		80	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-27	ND		20	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-28	ND		80	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-29	ND		80	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-30	ND		40	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-31	ND		100	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-32	ND		20	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-33	ND		40	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-34	ND		20	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-35	ND		40	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-36	ND		20	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-37	ND		20	1.0	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-38	ND		20	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-39	ND		40	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-40	ND		40	0.80	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-41	ND		40	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-42	ND		40	0.88	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-43	ND		20	0.91	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-44	ND		120	0.81	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-45	ND		40	0.94	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-46	ND		20	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-47	ND		120	0.81	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-48	ND		20	0.91	pg/L		01/10/24 07:52	01/14/24 23:52	1

# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A  
 Matrix: Water  
 Analysis Batch: 733676

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 732336

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-49	ND		40	0.74	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-50	ND		40	0.91	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-51	ND		40	0.94	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-52	ND		100	0.84	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-53	ND		40	0.91	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-54	ND		40	0.72	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-55	ND		40	0.95	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-56	ND		20	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-57	ND		20	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-58	ND		20	0.99	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-59	ND		60	0.69	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-60	ND		40	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-61	ND		160	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-62	ND		60	0.69	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-63	ND		40	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-64	ND		40	0.66	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-65	ND		120	0.81	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-66	ND		40	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-67	ND		20	0.95	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-68	ND		40	1.0	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-69	ND		40	0.74	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-70	ND		160	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-71	ND		40	0.80	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-72	ND		20	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-73	ND		20	0.63	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-74	ND		160	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-75	ND		60	0.69	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-76	ND		160	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-77	ND		20	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-78	ND		20	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-79	ND		40	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-80	ND		40	0.96	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-81	ND		20	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-82	ND		20	1.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-83	ND		20	1.7	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-84	ND		40	2.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-85	ND		60	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-86	ND		120	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-87	ND		120	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-88	ND		40	1.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-89	ND		40	2.0	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-90	ND		120	1.5	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-91	ND		40	1.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-92	ND		40	1.7	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-93	ND		80	1.7	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-94	ND		40	2.0	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-95	ND		100	1.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-96	ND		20	0.81	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-97	ND		120	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1

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# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A  
 Matrix: Water  
 Analysis Batch: 733676

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 732336

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-98	ND		40	1.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-99	ND		40	1.7	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-100	ND		80	1.7	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-101	ND		120	1.5	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-102	ND		40	1.8	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-103	ND		40	1.6	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-104	ND		40	0.97	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-105	ND		40	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-106	ND		40	1.5	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-107	ND		40	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-108	ND		120	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-109	ND		20	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-110	ND		40	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-111	ND		40	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-112	ND		20	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-113	ND		120	1.5	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-114	ND		40	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-115	ND		40	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-116	ND		60	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-117	ND		60	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-118	ND		40	1.2	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-119	ND		120	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-120	ND		20	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-121	ND		20	1.1	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-122	ND		40	1.6	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-123	ND		40	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-124	ND		40	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-125	ND		120	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-126	ND		20	1.3	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-127	ND		20	1.4	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-128	ND		80	0.51	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-129	ND		60	0.52	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-130	ND		20	0.69	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-131	ND		20	0.64	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-132	ND		20	0.66	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-133	ND		20	0.62	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-134	ND		40	0.62	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-135	ND		40	0.57	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-136	ND		20	0.42	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-137	ND		20	0.50	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-138	ND		60	0.52	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-139	ND		40	0.56	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-140	ND		40	0.56	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-141	ND		20	0.66	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-142	ND		20	0.67	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-143	ND		40	0.62	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-144	ND		20	0.53	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-145	ND		20	0.43	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-146	ND		20	0.48	pg/L		01/10/24 07:52	01/14/24 23:52	1

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# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A  
 Matrix: Water  
 Analysis Batch: 733676

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 732336

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-147	ND		40	0.54	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-148	ND		20	0.55	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-149	ND		40	0.54	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-150	ND		20	0.41	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-151	ND		40	0.57	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-152	ND		20	0.43	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-153	ND		40	0.44	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-154	ND		20	0.51	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-155	ND		20	0.55	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-156	ND		40	0.37	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-157	ND		40	0.37	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-158	ND		20	0.39	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-159	ND		20	0.30	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-160	ND		20	0.52	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-161	ND		20	0.49	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-162	ND		40	0.33	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-163	ND		60	0.52	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-164	ND		20	0.57	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-165	ND		20	0.47	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-166	ND		80	0.51	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-167	ND		40	0.32	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-168	ND		40	0.44	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-169	ND		20	0.34	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-170	ND		40	0.84	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-171	ND		40	0.78	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-172	ND		20	0.84	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-173	ND		40	0.78	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-174	ND		20	0.85	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-175	ND		20	0.58	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-176	ND		20	0.45	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-177	ND		20	0.74	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-178	ND		20	0.62	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-179	ND		20	0.40	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-180	ND		40	0.63	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-181	ND		20	0.74	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-182	ND		20	0.59	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-183	ND		20	0.57	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-184	ND		20	0.41	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-185	ND		40	0.83	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-186	ND		20	0.37	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-187	ND		20	0.49	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-188	ND		20	0.45	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-189	ND		20	0.50	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-190	ND		20	0.57	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-191	ND		40	0.57	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-192	ND		20	0.54	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-193	ND		40	0.63	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-194	ND		40	0.49	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-195	ND		20	0.49	pg/L		01/10/24 07:52	01/14/24 23:52	1

# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

Lab Sample ID: MB 320-732336/1-A  
 Matrix: Water  
 Analysis Batch: 733676

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 732336

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-196	ND		20	0.52	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-197	ND		20	0.31	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-198	ND		40	0.47	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-199	ND		40	0.47	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-200	ND		20	0.50	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-201	ND		20	0.40	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-202	ND		20	0.38	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-203	ND		20	0.46	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-204	ND		20	0.38	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-205	ND		20	0.44	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-206	ND		40	0.83	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-207	ND		20	0.66	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-208	ND		20	0.72	pg/L		01/10/24 07:52	01/14/24 23:52	1
PCB-209	ND		40	0.16	pg/L		01/10/24 07:52	01/14/24 23:52	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	76		15 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-3L	77		15 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-4L	78		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-15L	76		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-19L	73		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-37L	68		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-54L	54		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-77L	81		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-81L	79		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-104L	52		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-105L	89		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-114L	84		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-118L	85		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-123L	85		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-126L	95		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-155L	54		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-156L	91		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-156L/157L	91		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-157L	91		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-167L	83		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-169L	98		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-188L	41		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-189L	65		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-202L	52		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-205L	85		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-206L	92		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-208L	71		25 - 150	01/10/24 07:52	01/14/24 23:52	1
PCB-209L	98		25 - 150	01/10/24 07:52	01/14/24 23:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	83		30 - 135	01/10/24 07:52	01/14/24 23:52	1
PCB-111L	105		30 - 135	01/10/24 07:52	01/14/24 23:52	1

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# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

**Lab Sample ID: MB 320-732336/1-A**  
**Matrix: Water**  
**Analysis Batch: 733676**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 732336**

<i>Surrogate</i>	<i>MB MB</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
PCB-178L	95		30 - 135	01/10/24 07:52	01/14/24 23:52	1

**Lab Sample ID: LCS 320-732336/2-A**  
**Matrix: Water**  
**Analysis Batch: 733676**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 732336**

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
PCB-1	2000	2030		pg/L		102	50 - 150
PCB-3	2000	2000		pg/L		100	50 - 150
PCB-4	2000	2190		pg/L		110	50 - 150
PCB-15	2000	1960		pg/L		98	50 - 150
PCB-19	2000	2230		pg/L		112	50 - 150
PCB-37	2000	2090		pg/L		105	50 - 150
PCB-54	2000	2190	q	pg/L		109	50 - 150
PCB-77	2000	2340		pg/L		117	50 - 150
PCB-81	2000	2600		pg/L		130	50 - 150
PCB-104	2000	2920		pg/L		146	50 - 150
PCB-105	2000	2360		pg/L		118	50 - 150
PCB-114	2000	2520		pg/L		126	50 - 150
PCB-118	2000	2390		pg/L		119	50 - 150
PCB-123	2000	2460		pg/L		123	50 - 150
PCB-126	2000	2540		pg/L		127	50 - 150
PCB-155	2000	2840		pg/L		142	50 - 150
PCB-156	4000	4670		pg/L		117	50 - 150
PCB-157	4000	4670		pg/L		117	50 - 150
PCB-167	2000	2400		pg/L		120	50 - 150
PCB-169	2000	2290		pg/L		114	50 - 150
PCB-188	2000	2380		pg/L		119	50 - 150
PCB-189	2000	2120		pg/L		106	50 - 150
PCB-202	2000	2440		pg/L		122	50 - 150
PCB-205	2000	2180		pg/L		109	50 - 150
PCB-206	2000	1990		pg/L		100	50 - 150
PCB-208	2000	2220		pg/L		111	50 - 150
PCB-209	2000	2180		pg/L		109	50 - 150

<i>Isotope Dilution</i>	<i>LCS LCS</i>	<i>Qualifier</i>	<i>Limits</i>
PCB-1L	66		15 - 140
PCB-3L	67		15 - 140
PCB-4L	69		30 - 140
PCB-15L	66		30 - 140
PCB-19L	66		30 - 140
PCB-37L	65		30 - 140
PCB-54L	52		30 - 140
PCB-77L	77		30 - 140
PCB-81L	75		30 - 140
PCB-104L	51		30 - 140
PCB-105L	84		30 - 140
PCB-114L	81		30 - 140

# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

**Lab Sample ID: LCS 320-732336/2-A**  
**Matrix: Water**  
**Analysis Batch: 733676**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 732336**

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
PCB-118L	77		30 - 140
PCB-123L	79		30 - 140
PCB-126L	91		30 - 140
PCB-155L	51		30 - 140
PCB-156L	81		30 - 140
PCB-156L/157L	81		30 - 140
PCB-157L	81		30 - 140
PCB-167L	74		30 - 140
PCB-169L	91		30 - 140
PCB-188L	41		30 - 140
PCB-189L	66		30 - 140
PCB-202L	51		30 - 140
PCB-205L	85		30 - 140
PCB-206L	94		30 - 140
PCB-208L	72		30 - 140
PCB-209L	103		30 - 140

Surrogate	LCS		Limits
	%Recovery	Qualifier	
PCB-28L	75		40 - 125
PCB-111L	94		40 - 125
PCB-178L	83		40 - 125

**Lab Sample ID: LCSD 320-732336/3-A**  
**Matrix: Water**  
**Analysis Batch: 733676**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 732336**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
PCB-1	2000	1970		pg/L		99	50 - 150	3	50	
PCB-3	2000	1920		pg/L		96	50 - 150	4	50	
PCB-4	2000	2190		pg/L		110	50 - 150	0	50	
PCB-15	2000	1940		pg/L		97	50 - 150	1	50	
PCB-19	2000	2230		pg/L		112	50 - 150	0	50	
PCB-37	2000	2100		pg/L		105	50 - 150	0	50	
PCB-54	2000	2300		pg/L		115	50 - 150	5	50	
PCB-77	2000	2290		pg/L		114	50 - 150	2	50	
PCB-81	2000	2540		pg/L		127	50 - 150	2	50	
PCB-104	2000	2900		pg/L		145	50 - 150	1	50	
PCB-105	2000	2340		pg/L		117	50 - 150	1	50	
PCB-114	2000	2540		pg/L		127	50 - 150	1	50	
PCB-118	2000	2310		pg/L		115	50 - 150	3	50	
PCB-123	2000	2420		pg/L		121	50 - 150	2	50	
PCB-126	2000	2540		pg/L		127	50 - 150	0	50	
PCB-155	2000	2830		pg/L		141	50 - 150	0	50	
PCB-156	4000	4550		pg/L		114	50 - 150	3	50	
PCB-157	4000	4550		pg/L		114	50 - 150	3	50	
PCB-167	2000	2400		pg/L		120	50 - 150	0	50	
PCB-169	2000	2250		pg/L		112	50 - 150	2	50	
PCB-188	2000	2340		pg/L		117	50 - 150	1	50	

# QC Sample Results

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

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

**Lab Sample ID: LCSD 320-732336/3-A**  
**Matrix: Water**  
**Analysis Batch: 733676**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 732336**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-189	2000	2100		pg/L		105	50 - 150	1	50
PCB-202	2000	2450		pg/L		123	50 - 150	0	50
PCB-205	2000	2150		pg/L		108	50 - 150	1	50
PCB-206	2000	1930		pg/L		96	50 - 150	3	50
PCB-208	2000	2210		pg/L		110	50 - 150	0	50
PCB-209	2000	2140		pg/L		107	50 - 150	2	50

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
PCB-1L	76		15 - 140
PCB-3L	78		15 - 140
PCB-4L	79		30 - 140
PCB-15L	77		30 - 140
PCB-19L	75		30 - 140
PCB-37L	70		30 - 140
PCB-54L	59		30 - 140
PCB-77L	83		30 - 140
PCB-81L	82		30 - 140
PCB-104L	56		30 - 140
PCB-105L	92		30 - 140
PCB-114L	88		30 - 140
PCB-118L	86		30 - 140
PCB-123L	86		30 - 140
PCB-126L	96		30 - 140
PCB-155L	52		30 - 140
PCB-156L	85		30 - 140
PCB-156L/157L	85		30 - 140
PCB-157L	85		30 - 140
PCB-167L	76		30 - 140
PCB-169L	93		30 - 140
PCB-188L	44		30 - 140
PCB-189L	66		30 - 140
PCB-202L	53		30 - 140
PCB-205L	85		30 - 140
PCB-206L	96		30 - 140
PCB-208L	72		30 - 140
PCB-209L	104		30 - 140

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
PCB-28L	87		40 - 125
PCB-111L	104		40 - 125
PCB-178L	90		40 - 125



# QC Association Summary

Client: Eurofins Environment Testing South Central LLC  
Project/Site: 2312898

Job ID: 320-108192-1

## Specialty Organics

### Prep Batch: 732336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-108192-1	2312898-001 - R6 North-20231213	Total/NA	Water	HRMS-Sep	
320-108192-2	2312898-002 - R6South-20231214	Total/NA	Water	HRMS-Sep	
MB 320-732336/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-732336/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-732336/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

### Analysis Batch: 733676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-732336/1-A	Method Blank	Total/NA	Water	1668A	732336
LCS 320-732336/2-A	Lab Control Sample	Total/NA	Water	1668A	732336
LCSD 320-732336/3-A	Lab Control Sample Dup	Total/NA	Water	1668A	732336

### Analysis Batch: 734754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-108192-1	2312898-001 - R6 North-20231213	Total/NA	Water	1668A	732336
320-108192-2	2312898-002 - R6South-20231214	Total/NA	Water	1668A	732336

# Lab Chronicle

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

**Client Sample ID: 2312898-001 - R6 North-20231213**

**Lab Sample ID: 320-108192-1**

**Date Collected: 12/13/23 12:00**

**Matrix: Water**

**Date Received: 12/19/23 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			1017.7 mL	20.0 uL	732336	01/10/24 07:52	GSH	EET SAC
Total/NA	Analysis	1668A		1	1 mL	1 mL	734754	01/19/24 18:05	JBC	EET SAC

**Client Sample ID: 2312898-002 - R6South-20231214**

**Lab Sample ID: 320-108192-2**

**Date Collected: 12/14/23 14:45**

**Matrix: Water**

**Date Received: 12/19/23 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			961.3 mL	20.0 uL	732336	01/10/24 07:52	GSH	EET SAC
Total/NA	Analysis	1668A		1	1 mL	1 mL	734754	01/19/24 19:07	JBC	EET SAC

**Laboratory References:**

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



# Accreditation/Certification Summary

Client: Eurofins Environment Testing South Central LLC  
 Project/Site: 2312898

Job ID: 320-108192-1

## 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	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-24
Arkansas DEQ	State	88-0691	05-18-24
California	State	2897	01-22-24
Colorado	State	CA00044	08-31-24
Florida	NELAP	E87570	06-30-24
Georgia	State	4040	01-29-24
Hawaii	State	<cert No.>	01-29-24
Illinois	NELAP	200060	03-17-24
Kansas	NELAP	E-10375	10-31-24
Louisiana (All)	NELAP	01944	06-30-24
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-24
Nevada	State	CA00044	07-31-24
New Hampshire	NELAP	2997	04-18-24
New Jersey	NELAP	CA005	06-30-24
New York	NELAP	11666	04-01-24
Ohio	State	41252	01-29-24
Oregon	NELAP	4040	01-29-24
Texas	NELAP	T104704399-23-17	05-31-24
US Fish & Wildlife	US Federal Programs	58448	04-30-24
USDA	US Federal Programs	P330-18-00239	02-28-26
Utah	NELAP	CA000442023-16	02-29-24
Virginia	NELAP	460278	03-14-24
Washington	State	C581	05-05-24
West Virginia (DW)	State	9930C	01-31-25
Wisconsin	State	998204680	08-31-24
Wyoming	State Program	8TMS-L	01-28-19 *

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



# Method Summary

Client: Eurofins Environment Testing South Central LLC  
Project/Site: 2312898

Job ID: 320-108192-1

Method	Method Description	Protocol	Laboratory
1668A	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	EET SAC
HRMS-Sep	Separatory Funnel (Liquid-Liquid) Extraction	EPA	EET SAC

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

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



# Sample Summary

Client: Eurofins Environment Testing South Central LLC  
Project/Site: 2312898

Job ID: 320-108192-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-108192-1	2312898-001 - R6 North-20231213	Water	12/13/23 12:00	12/19/23 09:30
320-108192-2	2312898-002 - R6South-20231214	Water	12/14/23 14:45	12/19/23 09:30

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

SUB CONTRACTOR: <b>Eurofins Sacramento</b> COMPANY				PHONE: <b>(916) 373-5600</b>		FAX:	
ADDRESS: <b>880 Riverside Parkway</b>				ACCOUNT #:		EMAIL:	
CITY STATE, ZIP: <b>West Sacramento, CA 95605</b>							
ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2312898-001L	R6 North-20231213	1LAMGU	Aqueous	12/13/2023 12 00 00 PM	1	PCBS 1668 -Pease Apply ICO Prnang-
2	2312898-002L	R6South-20231214	1LAMGU	Aqueous	12/14/2023 2.45 00 PM	1	PCBS 1668 -Pease Apply ICO Prnang-



320-108192 Chain of Custody

SPECIAL INSTRUCTIONS / COMMENTS:

Include the LAB ID and CLIENT SAMPLE ID on final reports. Email results to Hall.Lab@et.eurofinsus.com. For Questions email Hall.samplecontrol@et.eurofinsus.com. Please return all coolers and blue ice. Thank you.

08°C

Relinquished By: <i>CM</i>	Date: 12/15/2023	Time: 8:48 AM	Received By: <i>Alexis Hemphill</i>	Date: 12/19/23	Time: 9:30	REPORT TRANSMITTAL DESIRED: <input type="checkbox"/> HARDCOPY (extra cost) <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> ONLINE  FOR LAB USE ONLY  Temp of samples _____ °C    Attempt to Cool? _____  Comments: _____
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
Relinquished By:	Date:	Time:	Received By:	Date:	Time:	
TAT:    Standard <input checked="" type="checkbox"/> RUSH    Next BD <input type="checkbox"/> 2nd BD <input type="checkbox"/> 3rd BD <input type="checkbox"/>						





Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Loc: 320  
108192

Tracking # 7745 2906 7909

Job \_\_\_\_\_

SO /  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: <u>L-09</u> Corr. Factor (+/-) <u>NA</u> °C	Notes: _____
Ice _____ Wet _____ Gel <input checked="" type="checkbox"/> Other _____	_____
Cooler Custody Seal <u>NA</u>	_____
Cooler ID. <u>NA</u>	_____
Temp Observed: <u>0.8</u> °C Corrected: <u>0.8</u> °C	_____
From Temp Blank <input type="checkbox"/> Sample <input checked="" type="checkbox"/>	_____
<b>Opening/Processing The Shipment</b>	_____
<b>Yes No NA</b>	_____
Cooler compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	_____
Cooler Temperature is acceptable? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Frozen samples show signs of thaw? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	_____
Initials: <u>DWH</u> Date <u>12/19/23</u>	_____
<b>Unpacking/Labeling The Samples</b>	_____
<b>Yes No NA</b>	_____
Containers are not broken or leaking? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Samples compromised/tampered with? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	_____
COC is complete w/o discrepancies <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Sample custody seal? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	_____
Sample containers have legible labels? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Sample date/times are provided? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Appropriate containers are used? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Sample bottles are completely filled? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Sample preservatives verified? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	_____
Is the Field Sampler's name on COC? <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	_____
Samples w/o discrepancies? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Zero headspace?* <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	_____
Alkalinity has no headspace? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	_____
Perchlorate has headspace? (Methods 314, 331, 6850) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	_____
Multiphasic samples are not present? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	_____
Trizma Lot #(s): _____	_____
Ammonium Acetate Lot #(s): _____	_____
<b>Login Completion</b>	<b>Yes No NA</b>
Receipt Temperature on COC? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
NCM Filed? <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	
Samples received within hold time? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Log Release checked in TALS? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Initials: <u>SP</u> Date <u>12-19-23</u>	Initials: <u>W4C</u> Date <u>12-19-23</u>

\*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")



# Login Sample Receipt Checklist

Client: Eurofins Environment Testing South Central LLC

Job Number: 320-108192-1

**Login Number: 108192**

**List Source: Eurofins Sacramento**

**List Number: 1**

**Creator: Oropeza, Salvador**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	REFER TO SSRN
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.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time (excluding tests with immediate HTs)	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79435</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 1664B</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79435</b>	RunNo: <b>101935</b>								
Prep Date: <b>12/18/2023</b>	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3760234</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	10.0								

Sample ID: <b>LCS-79435</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 1664B</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79435</b>	RunNo: <b>101935</b>								
Prep Date: <b>12/18/2023</b>	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3760235</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	37.6	10.0	40.00	0	94.0	78	114			

Sample ID: <b>LCSD-79435</b>	SampType: <b>LCSD</b>	TestCode: <b>EPA Method 1664B</b>								
Client ID: <b>LCSS02</b>	Batch ID: <b>79435</b>	RunNo: <b>101935</b>								
Prep Date: <b>12/18/2023</b>	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3760236</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	36.2	10.0	40.00	0	90.5	78	114	3.79	20	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79508</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 200.7: Metals</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79508</b>	RunNo: <b>102210</b>								
Prep Date: <b>12/19/2023</b>	Analysis Date: <b>1/2/2024</b>	SeqNo: <b>3773160</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								

Sample ID: <b>LCSLL-79508</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA Method 200.7: Metals</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>79508</b>	RunNo: <b>102210</b>								
Prep Date: <b>12/19/2023</b>	Analysis Date: <b>1/2/2024</b>	SeqNo: <b>3773161</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.55	1.0	0.5000	0	110	50	150			J
Magnesium	0.53	1.0	0.5000	0	107	50	150			J

Sample ID: <b>LCS-79508</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 200.7: Metals</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79508</b>	RunNo: <b>102210</b>								
Prep Date: <b>12/19/2023</b>	Analysis Date: <b>1/2/2024</b>	SeqNo: <b>3773162</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	54	1.0	50.00	0	109	85	115			
Magnesium	52	1.0	50.00	0	104	85	115			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 200.8: Dissolved Metals</b>								
Client ID: <b>PBW</b>	Batch ID: <b>B101952</b>	RunNo: <b>101952</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3760683</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	ND	0.00050								
Lead	ND	0.00050								

Sample ID: <b>LCSLL</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 200.8: Dissolved Metals</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>B101952</b>	RunNo: <b>101952</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3760684</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead	0.00051	0.00050	0.0005000	0	103	50	150			

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 200.8: Dissolved Metals</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>B101952</b>	RunNo: <b>101952</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3760686</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.024	0.00050	0.02500	0	94.4	85	115			
Lead	0.012	0.00050	0.01250	0	97.8	85	115			

Sample ID: <b>LCSLLB</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 200.8: Dissolved Metals</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>B101952</b>	RunNo: <b>101952</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3760688</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.00052	0.00050	0.0005000	0	104	50	150			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R101967</b>	RunNo: <b>101967</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3762466</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R101967</b>	RunNo: <b>101967</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3762467</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.5	0.20	3.500	0	100	90	110			

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R101967</b>	RunNo: <b>101967</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3762506</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R101967</b>	RunNo: <b>101967</b>								
Prep Date:	Analysis Date: <b>12/19/2023</b>	SeqNo: <b>3762508</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.4	0.20	3.500	0	97.8	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79411</b>	SampType: <b>MBLK</b>	TestCode: <b>SM5210B: BOD</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79411</b>	RunNo: <b>101973</b>								
Prep Date: <b>12/15/2023</b>	Analysis Date: <b>12/20/2023</b>	SeqNo: <b>3762618</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	ND	2.00								

Sample ID: <b>LCS-79411</b>	SampType: <b>LCS</b>	TestCode: <b>SM5210B: BOD</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79411</b>	RunNo: <b>101973</b>								
Prep Date: <b>12/15/2023</b>	Analysis Date: <b>12/20/2023</b>	SeqNo: <b>3762619</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	141	2.00	198.0	0	71.2	84.6	115.4			S

Sample ID: <b>2312898-002BDUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM5210B: BOD</b>								
Client ID: <b>R6South-20231214</b>	Batch ID: <b>79411</b>	RunNo: <b>101973</b>								
Prep Date: <b>12/15/2023</b>	Analysis Date: <b>12/20/2023</b>	SeqNo: <b>3762622</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	letion <2.0	2.00						0	20	

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79689</b>	SampType: <b>MBLK</b>	TestCode: <b>SM5220D: COD</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79689</b>	RunNo: <b>102200</b>								
Prep Date: <b>1/2/2024</b>	Analysis Date: <b>1/3/2024</b>	SeqNo: <b>3773398</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	50.0								

Sample ID: <b>LCS-79689</b>	SampType: <b>LCS</b>	TestCode: <b>SM5220D: COD</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79689</b>	RunNo: <b>102200</b>								
Prep Date: <b>1/2/2024</b>	Analysis Date: <b>1/3/2024</b>	SeqNo: <b>3773399</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	487	50.0	500.0	0	97.4	90	110			

Sample ID: <b>LCSLL-79689</b>	SampType: <b>LCSLL</b>	TestCode: <b>SM5220D: COD</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>79689</b>	RunNo: <b>102200</b>								
Prep Date: <b>1/2/2024</b>	Analysis Date: <b>1/3/2024</b>	SeqNo: <b>3773400</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	49.8	50.0	50.00	0	99.5	50	150			J

Sample ID: <b>2312898-001HMS</b>	SampType: <b>MS</b>	TestCode: <b>SM5220D: COD</b>								
Client ID: <b>R6 North-20231213</b>	Batch ID: <b>79689</b>	RunNo: <b>102200</b>								
Prep Date: <b>1/2/2024</b>	Analysis Date: <b>1/3/2024</b>	SeqNo: <b>3773411</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	495	50.0	500.0	110.3	77.0	90	110			S

Sample ID: <b>2312898-001HMSD</b>	SampType: <b>MSD</b>	TestCode: <b>SM5220D: COD</b>								
Client ID: <b>R6 North-20231213</b>	Batch ID: <b>79689</b>	RunNo: <b>102200</b>								
Prep Date: <b>1/2/2024</b>	Analysis Date: <b>1/3/2024</b>	SeqNo: <b>3773412</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	491	50.0	500.0	110.3	76.2	90	110	0.877	20	S

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA  
Project: CMC FY24 Dry

Sample ID: <b>MB-79402</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 9223B Fecal Indicator: E. coli MPN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79402</b>	RunNo: <b>101861</b>								
Prep Date: <b>12/14/2023</b>	Analysis Date: <b>12/15/2023</b>	SeqNo: <b>3755840</b>			Units: <b>MPN/100mL</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
E. Coli	<1	1.000								

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

Client: AMAFCA  
Project: CMC FY24 Dry

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 4500 NH3: Ammonia</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R102011</b>	RunNo: <b>102011</b>								
Prep Date:	Analysis Date: <b>12/21/2023</b>	SeqNo: <b>3764147</b> Units: <b>mg/L</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	1.0								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>SM 4500 NH3: Ammonia</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R102011</b>	RunNo: <b>102011</b>								
Prep Date:	Analysis Date: <b>12/21/2023</b>	SeqNo: <b>3764148</b> Units: <b>mg/L</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	10	1.0	10.00	0	104	80	120			

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79761</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 365.1: Total Phosphorous</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79761</b>	RunNo: <b>102279</b>								
Prep Date: <b>1/6/2024</b>	Analysis Date: <b>1/6/2024</b>	SeqNo: <b>3776277</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus, Total (As P)	ND	0.050								

Sample ID: <b>LCS-79761</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 365.1: Total Phosphorous</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79761</b>	RunNo: <b>102279</b>								
Prep Date: <b>1/6/2024</b>	Analysis Date: <b>1/6/2024</b>	SeqNo: <b>3776278</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus, Total (As P)	0.25	0.050	0.2500	0	100	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79518</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79518</b>	RunNo: <b>102025</b>								
Prep Date: <b>12/20/2023</b>	Analysis Date: <b>12/21/2023</b>	SeqNo: <b>3764700</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-79518</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79518</b>	RunNo: <b>102025</b>								
Prep Date: <b>12/20/2023</b>	Analysis Date: <b>12/21/2023</b>	SeqNo: <b>3764701</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	995	50.0	1000	0	99.5	80	120			

Sample ID: <b>2312898-001DDUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>R6 North-20231213</b>	Batch ID: <b>79518</b>	RunNo: <b>102025</b>								
Prep Date: <b>12/20/2023</b>	Analysis Date: <b>12/21/2023</b>	SeqNo: <b>3764719</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	202	50.0						0.985	10	

**Qualifiers:**

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- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79864</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79864</b>	RunNo: <b>102531</b>								
Prep Date: <b>1/11/2024</b>	Analysis Date: <b>1/13/2024</b>	SeqNo: <b>3787319</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-79864</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>79864</b>	RunNo: <b>102531</b>								
Prep Date: <b>1/11/2024</b>	Analysis Date: <b>1/13/2024</b>	SeqNo: <b>3787320</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	0.28	0	0.5000	0	55.1	50	150			

Sample ID: <b>LCS-79864</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79864</b>	RunNo: <b>102531</b>								
Prep Date: <b>1/11/2024</b>	Analysis Date: <b>1/13/2024</b>	SeqNo: <b>3787321</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	9.5	0.50	10.00	0	95.2	90	110			

Sample ID: <b>2312898-001DMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>R6 North-20231213</b>	Batch ID: <b>79864</b>	RunNo: <b>102531</b>								
Prep Date: <b>1/11/2024</b>	Analysis Date: <b>1/13/2024</b>	SeqNo: <b>3787323</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	0.50	10.00	0	102	90	110			H

Sample ID: <b>2312898-001DMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>R6 North-20231213</b>	Batch ID: <b>79864</b>	RunNo: <b>102531</b>								
Prep Date: <b>1/11/2024</b>	Analysis Date: <b>1/13/2024</b>	SeqNo: <b>3787324</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	11	0.50	10.00	0	106	90	110	3.87	20	H

**Qualifiers:**

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- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2312898

05-Mar-24

**Client:** AMAFCA  
**Project:** CMC FY24 Dry

Sample ID: <b>MB-79522</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 2540D: TSS</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79522</b>	RunNo: <b>102014</b>								
Prep Date: <b>12/20/2023</b>	Analysis Date: <b>12/21/2023</b>	SeqNo: <b>3764409</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids	ND	4.0								

Sample ID: <b>LCS-79522</b>	SampType: <b>LCS</b>	TestCode: <b>SM 2540D: TSS</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79522</b>	RunNo: <b>102014</b>								
Prep Date: <b>12/20/2023</b>	Analysis Date: <b>12/21/2023</b>	SeqNo: <b>3764410</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids	97	4.0	91.90	0	106	83.89	119.7			

Sample ID: <b>MB-79546</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 2540D: TSS</b>								
Client ID: <b>PBW</b>	Batch ID: <b>79546</b>	RunNo: <b>102038</b>								
Prep Date: <b>12/21/2023</b>	Analysis Date: <b>12/22/2023</b>	SeqNo: <b>3765815</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids	ND	4.0								

Sample ID: <b>LCS-79546</b>	SampType: <b>LCS</b>	TestCode: <b>SM 2540D: TSS</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>79546</b>	RunNo: <b>102038</b>								
Prep Date: <b>12/21/2023</b>	Analysis Date: <b>12/22/2023</b>	SeqNo: <b>3765816</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids	87	4.0	91.90	0	94.7	83.89	119.7			

**Qualifiers:**

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- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Sample Log-In Check List

Client Name: AMAFCA Work Order Number: 2312898 RcptNo: 1

Received By: Tracy Casarrubias 12/14/2023 4:00:00 PM  
 Completed By: Cheyenne Cason 12/14/2023 4:12:03 PM *Chml*  
 Reviewed By: *TMC 12/14/23 11:47* *12/15/23*

**Chain of Custody**

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

**Log In**

3. Was an attempt made to cool the samples? Yes  No  NA   
 4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA   
 5. Sample(s) in proper container(s)? Yes  No   
 6. Sufficient sample volume for indicated test(s)? Yes  No   
 7. Are samples (except VOA and ONG) properly preserved? Yes  No   
 8. Was preservative added to bottles? Yes  No  NA   
 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  No  NA   
 10. Were any sample containers received broken? Yes  No

Samples were collected the same day and chilled.

11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes  No   
 12. Are matrices correctly identified on Chain of Custody? Yes  No   
 13. Is it clear what analyses were requested? Yes  No   
 14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes  No

# of preserved bottles checked for pH: 14  
 (<2 or >12 unless noted)  
 Adjusted? NO  
 Checked by: TMC 12/15/23  
 BOD/coliform: 12/14/23

**Special Handling (if applicable)**

15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

16. Additional remarks:

**17. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Not Present	Morty		
2	7.7	Good	Not Present	Morty		

*Samples collected the same day & chilled. 12/19/23*

# 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 Dry**

Project #:

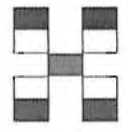
Project Manager:  
**Patrick Chavez**

Sampler: **DBSA-C. Johanneson**  
 On Ice:  Yes  No

# of Coolers: **2**

Cooler Temp (including CF): **See Remarks (°C)**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
<del>12-13-23</del>	<del>1200</del>	<del>AG</del>	<del>RG North - 2023/12/13</del>			<del>001</del>
12-14-23	1445		RG South - 2023/12/14			002
		TRK 12/14/23	TRP Blank			
			per sample bottle			



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

### Analysis Request

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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
									e coli - enumerated
									See attached list

Date: 12/14/23 Time: 16:01 Relinquished by: *[Signature]*  
 Received by: *[Signature]* Via: CPO Date: 12/14/23 Time: 16:00

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Relinquished by: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Remarks:  
 3.8 ± 0 = 3.8 °C  
 7.7 ± 0 = 7.7 °C  
 morty

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 noted on the analytical report.

**Collaborative Monitoring Cooperative - Analyses List  
Attach to Chain of Custody**

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	8260C	7.9
bis(2-Ethylhexyl)phthalate	117-81-7	Total	8270D	0.2
Dibenzofuran	132-64-9	Total	8270D	0.2
Indeno(1,2,3-cd)pyrene	193-39-5	Total	8270D	0.2
Benzo(b)fluoranthene	205-99-2	Total	8270D	0.1
Benzo(k)fluoranthene	207-08-9	Total	8270D	0.1
Chrysene	218-01-9	Total	8270D	0.2
Benzo(a)pyrene	50-32-8	Total	8270D	0.3
Dibenzo(a,h)anthracene	53-70-3	Total	8270D	0.3
Benzo(a)anthracene	56-55-3	Total	8270D	0.2
Dieldrin	60-57-1	Total	8270D	0.1
Pentachlorophenol	87-86-5	Total	8270D	0.2
Benzidine	92-87-5	Total	8270D	0.1
Chemical Oxygen Demand	E1641638 <sup>2</sup>	Total	HACH	5100
Gross alpha (adjusted)	NA	Total	Method 900	0.1 pCi/L
Total Dissolved Solids	E1642222 <sup>2</sup>	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



**Appendix F - Minimum Quantification Levels (MQL's)**

The following Minimum Quantification Levels (MQL's) are to be used for reporting pollutant data for NPDES permit applications and/or compliance reporting.

POLLUTANTS	MQL µg/l	POLLUTANTS	MQL µg/l
<b>METALS, RADIOACTIVITY, CYANIDE and CHLORINE</b>			
Aluminum	2.5	Molybdenum	10
Antimony	60	Nickel	0.5
Arsenic	0.5	Selenium	5
Barium	100	Silver	0.5
Beryllium	0.5	Thallium	0.5
Boron	100	Uranium	0.1
Cadmium	1	Vanadium	50
Chromium	10	Zinc	20
Cobalt	50	Cyanide	10
Copper	0.5	Cyanide, weak acid dissociable	10
Lead	0.5	Total Residual Chlorine	33
Mercury (*)	0.0005 0.005		
<b>DIOXIN</b>			
2,3,7,8-TCDD	0.00001		
<b>VOLATILE COMPOUNDS</b>			
Acrolein	50	1,3-Dichloropropylene	10
Acrylonitrile	20	Ethylbenzene	10
Benzene	10	Methyl Bromide	50
Bromoform	10	Methylene Chloride	20
Carbon Tetrachloride	2	1,1,2,2-Tetrachloroethane	10
Chlorobenzene	10	Tetrachloroethylene	10
Clorodibromomethane	10	Toluene	10
Chloroform	50	1,2-trans-Dichloroethylene	10
Dichlorobromomethane	10	1,1,2-Trichloroethane	10
1,2-Dichloroethane	10	Trichloroethylene	10
1,1-Dichloroethylene	10	Vinyl Chloride	10
1,2-Dichloropropane	10		
<b>ACID COMPOUNDS</b>			
2-Chlorophenol	10	2,4-Dinitrophenol	50
2,4-Dichlorophenol	10	Pentachlorophenol	5
2,4-Dimethylphenol	10	Phenol	10
4,6-Dinitro-o-Cresol	50	2,4,6-Trichlorophenol	10



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 7/1/2024 11:06:42 AM

## JOB DESCRIPTION

CMC

## JOB NUMBER

885-6986-1

# 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



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

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7/1/2024 11:06:42 AM



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# Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-6986-1

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

# Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project: CMC

Job ID: 885-6986-1

Job ID: 885-6986-1

Eurofins Albuquerque

## Job Narrative 885-6986-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 6/26/2024 4:49 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 26.3°C.

### Biology

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

06/26/2024: Rio Grande North  
and Rio Grande at Alameda  
E. coli tested.

#### Field Parameters:

##### - North

Temp = 26.4°C  
pH = 8.41  
Conductivity = 254.1  
Dissolved Oxygen = 4.7

##### - Alameda

Temp = 28.9°C  
pH = 8.40  
Conductivity = 272.1  
Dissolved Oxygen = 4.5

# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-6986-1

Client Sample ID: **RG- North 20240626**

Lab Sample ID: 885-6986-1

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/26/24 16:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	108.0		10.0	10.0	MPN/100mL			06/26/24 18:09	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11



# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-6986-1

**Client Sample ID: RG- Alameda 20240626**

**Lab Sample ID: 885-6986-2**

Date Collected: 06/26/24 16:28

Matrix: Water

Date Received: 06/26/24 16:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Escherichia coli	97.0		10.0	10.0	MPN/100mL			06/26/24 18:09	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-6986-1

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

Lab Sample ID: MB 885-7444/1  
Matrix: Water  
Analysis Batch: 7444

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
O. cherichia coli	ND		1rb	1rb	MPN/1LL2 4			L6/E6/Ef 18:L9	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-6986-1

## Biology

### Analysis Batch: 7444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-6986-1	RG- North 20240626	Total/NA	Water	9223B	
885-6986-2	RG- Alameda 20240626	Total/NA	Water	9223B	
MB 885-7444/1	Method Blank	Total/NA	Water	9223B	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-6986-1

**Client Sample ID: RG- North 20240626**

**Lab Sample ID: 885-6986-1**

**Date Collected: 06/26/24 15:05**

**Matrix: Water**

**Date Received: 06/26/24 16:49**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	7444	KH	EET ALB	06/26/24 18:09

**Client Sample ID: RG- Alameda 20240626**

**Lab Sample ID: 885-6986-2**

**Date Collected: 06/26/24 16:28**

**Matrix: Water**

**Date Received: 06/26/24 16:49**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9223B		1	7444	KH	EET ALB	06/26/24 18:09

**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  
Project/Site: CMC

Job ID: 885-6986-1

## 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: AMATCA

Mailing Address:

Phone #:

email or Fax#: pcavez@amatca.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: I Torres

On Ice:  Yes  No

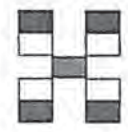
# of Coolers: 1

Cooler Temp (including CF): 26.3 ± 0 = 26.3 (°C)

Container Type and #

Preservative Type

HEAL No.



**HALL ENVIRO  
ANALYSIS LAB**



**L  
RY**

www.hallenvironmental.co

4901 Hawkins NE - Albuquerque, NM.

Tel. 505-345-3975 Fax 505-345-4107

885-6986 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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	E. coli Enumeration	
6/26/24	1505	AQ	RG1-North 20240620	1 Britle	NA THD													
	1628		RG1-Alameda 20240620	1	1													

Date: 6/26/24 Time: 1647 Relinquished by: [Signature]

Received by: [Signature] Via: CPO Date: 6/26/24 Time: 16:49

Remarks:

Date: Time: Relinquished by:

Received by: Via: Date: Time:

Page 12 of 13

7/1/2024

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: 885-6986-1

**Login Number: 6986**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: McQuiston, Steven**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# **ANALYTICAL REPORT**

## **PREPARED FOR**

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

Generated 7/31/2024 2:26:56 PM

## **JOB DESCRIPTION**

CMC

## **JOB NUMBER**

885-7077-1

# 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



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

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7/31/2024 2:26:56 PM



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# Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-7077-1

## 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
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

### GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

### 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
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.
b	Result Detected in the Unseeded Control blank (USB).
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.
α	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)

## Definitions/Glossary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-7077-1

### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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



# Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project: CMC

Job ID: 885-7077-1

Job ID: 885-7077-1

Eurofins Albuquerque

## Job Narrative 885-7077-1

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 6/27/2024 2:37 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 1.9°C and 10.4°C.

### Subcontract Work

Method Hexavalent Chromium: 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

Method 624.1: The following samples were received outside of holding time: RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2).

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: Surrogate recovery for the following sample was outside the upper control limit: RG-North20240626 (885-7077-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 625.1\_QQQ: Six surrogates are used for this analysis. The laboratory's SOP allows one base and one acid of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: RG-South20240627 (885-7077-2). These results have been reported and qualified.

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

### Pesticides

Method 8081B\_LL: The surrogate recovery for the blank associated with preparation batch 860-169461 and analytical batch 860-169649 was outside the upper control limits.

Method 8081B\_LL: The surrogate recovery for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with preparation batch 860-169461 and analytical batch 860-169649 was outside the upper control limits.

(LCS 860-169461/2-A) and (LCSD 860-169461/3-A)

Method 8081B\_LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-169461 and analytical batch 860-169649 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.

### Pesticides/PCBs

Method 608.3: The Tetrachloro-m-xylene surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column: (LCS 860-169312/2-A), (LCSD 860-169312/3-A) and (MB 860-169312/1-A). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Eurofins Albuquerque

## Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project: CMC

Job ID: 885-7077-1

### Job ID: 885-7077-1 (Continued)

Eurofins Albuquerque

Method 608.3: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-169312 and analytical batch 860-169369 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.

Method 608.3: The surrogate recovery for the blank associated with preparation batch 860-169818 and analytical batch 860-169920 was outside the upper control limits.

(MB 860-169818/1-A)

Method 608.3: The surrogate recovery for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with preparation batch 860-169818 and analytical batch 860-169920 was outside the upper control limits.

(LCS 860-169818/2-A) and (LCSD 860-169818/3-A)

Method 608.3: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-169818 and analytical batch 860-169920 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.

Method 608.3: Surrogate recovery for the following samples were outside the upper control limit: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**. This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 608.3: The following samples were prepared outside of preparation holding time due to surrogate recovery outside control limits (low biased) for original extraction: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**.

Method 608.3: Surrogate recovery for the following sample was outside control limits: **RG-North20240626 (885-7077-1)**. Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

Method 608.3: Surrogate recovery for the following samples were outside control limits: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**. Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

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: The following samples in preparation batch 320-779486 were observed to have a thin layer of sediment present in the bottom of the bottle prior to extraction. **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**

Method 1633: The following samples in preparation batch 320-779486 were brown in color prior to extraction. **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**

Method 1633: The following samples in preparation batch 320-779486 were yellow in color following extraction. **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**

Method 1633: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 320-779486.

Method 1633: The following samples were received preserved with Trizma. Preservation was not added to batch QC samples. **RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2) and EB-20240627 (885-7077-3)**

Method 1633: 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. However, analyst judgment was used to positively identify the analyte: **RG-North20240626 (885-7077-1) and RG-South20240627 (885-7077-2)**.

Method 1633: The continuing calibration verification (CCV) associated with batch 320-780306 recovered above the upper control limit for Perfluoroheptanesulfonic acid (PFHpS), 4,8-Dioxa-3H-perfluorononanoic acid (ADONA), 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS), 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) and 3-Perfluoroheptylpropanoic acid (7:3 FTCA). The samples associated with this CCV were non-detects for the affected analytes;

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# Case Narrative

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project: CMC

Job ID: 885-7077-1

## Job ID: 885-7077-1 (Continued)

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therefore, the data have been reported. RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2), EB-20240627 (885-7077-3) and (CCV 320-780306/1).

Method 1633: The continuing calibration verification (CCV) associated with batch 320-780306 recovered above the upper control limit for 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS), 4,8-Dioxa-3H-perfluorononanoic acid (ADONA), 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) and 11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. **RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2), EB-20240627 (885-7077-3)** and (CCV 320-780306/10).

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 SM5210B\_BODCalc: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 885-7579. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

Method SM5210B\_BODCalc: The method blank result associated with batch 885-7579 was higher than the method-required limit of 0.2 mg/L.

Method SM5210B\_BODCalc: Chlorine was present in the following sample and treated per Method/SOP: **RG-North20240626 (885-7077-1)**. Results may be biased low.

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 prep batch 160-669229:

The detection goal was not met for the following samples due to a reduction of the sample size attributed to high residual mass: **RG-North20240626 (885-7077-1), RG-South20240627 (885-7077-2)** and (885-7077-K-2-D DU). 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.

06/26/2024: Rio Grande North and 06/27/2024 Rio Grande South; both full suite of testing.

#### Field Parameters:

##### - North

Temp = 26.4°C

pH = 8.41

Conductivity = 254.1

Dissolved Oxygen = 4.7

##### - South

Temp = 28.3°C

pH = 8.30

Conductivity = 337.0

Dissolved Oxygen = 5.5

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

### 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			07/03/24 02:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		63 - 144					07/03/24 02:47	1
4-Bromofluorobenzene (Surr)	105		74 - 124					07/03/24 02:47	1
Dibromofluoromethane (Surr)	106		75 - 131					07/03/24 02:47	1
Toluene-d8 (Surr)	102		80 - 120					07/03/24 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		1.2	0.091	ug/L		07/02/24 12:40	07/03/24 19:01	1
Benzo[a]anthracene	ND	*+	0.12	0.0096	ug/L		07/02/24 12:40	07/03/24 19:01	1
Benzo[b]fluoranthene	ND	*+	0.58	0.067	ug/L		07/02/24 12:40	07/03/24 19:01	1
Bis(2-ethylhexyl) phthalate	ND	*+	2.9	1.4	ug/L		07/02/24 12:40	07/03/24 19:01	1
Chrysene	ND	*+	0.58	0.082	ug/L		07/02/24 12:40	07/03/24 19:01	1
Dibenz(a,h)anthracene	ND		0.12	0.051	ug/L		07/02/24 12:40	07/03/24 19:01	1
Dibenzofuran	ND		0.58	0.11	ug/L		07/02/24 12:40	07/03/24 19:01	1
Indeno[1,2,3-cd]pyrene	ND		0.58	0.10	ug/L		07/02/24 12:40	07/03/24 19:01	1
Pentachlorophenol	ND		1.2	1.0	ug/L		07/02/24 12:40	07/03/24 19:01	1
Benzo[k]fluoranthene	ND	*+	0.58	0.048	ug/L		07/02/24 12:40	07/03/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	103		43 - 130				07/02/24 12:40	07/03/24 19:01	1
2-Fluorophenol (Surr)	107		19 - 120				07/02/24 12:40	07/03/24 19:01	1
Nitrobenzene-d5 (Surr)	151	S1+	37 - 133				07/02/24 12:40	07/03/24 19:01	1
Phenol-d5 (Surr)	77		8 - 124				07/02/24 12:40	07/03/24 19:01	1
p-Terphenyl-d14 (Surr)	98		47 - 130				07/02/24 12:40	07/03/24 19:01	1
2,4,6-Tribromophenol (Surr)	115		35 - 130				07/02/24 12:40	07/03/24 19:01	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		07/02/24 22:42	07/03/24 14:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	24	S1-	45 - 115				07/02/24 22:42	07/03/24 14:47	1
Tetrachloro-m-xylene	138	S1+	41 - 110				07/02/24 22:42	07/03/24 14:47	1

### Method: SW846 8081B\_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND	*+	0.000010	0.0000000	mg/L		07/03/24 13:50	07/05/24 11:41	1
				81					
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	107		15 - 136				07/03/24 13:50	07/05/24 11:41	1
Tetrachloro-m-xylene	104		18 - 126				07/03/24 13:50	07/05/24 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	0.14		0.10	0.020	mg/L			06/28/24 11:40	1
Nitrite	ND		0.10	0.012	mg/L			06/28/24 11:40	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluoropentanoic acid (PFPeA)	ND		6.8	1.7	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorohexanoic acid (PFHxA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>1.5</b>	<b>J</b>	3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>ND</b>		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>ND</b>		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>ND</b>		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluoroundecanoic acid (PFUnA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorododecanoic acid (PFDoA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorotridecanoic acid (PFTrDA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorotetradecanoic acid (PFTeDA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluoropentanesulfonic acid (PFPeS)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
<b>Perfluoroheptanesulfonic acid (PFHpS)</b>	<b>ND</b>		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>1.6</b>	<b>J1</b>	3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorononanesulfonic acid (PFNS)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorododecanesulfonic acid (PFDoS)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluorooctanesulfonamide (PFOSA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		3.4	0.85	ng/L		07/15/24 11:26	07/16/24 19:22	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		34	8.5	ng/L		07/15/24 11:26	07/16/24 19:22	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		34	8.5	ng/L		07/15/24 11:26	07/16/24 19:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		6.8	1.7	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		6.8	1.7	ng/L		07/15/24 11:26	07/16/24 19:22	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		6.8	1.7	ng/L		07/15/24 11:26	07/16/24 19:22	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		14	3.4	ng/L		07/15/24 11:26	07/16/24 19:22	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		6.8	1.7	ng/L		07/15/24 11:26	07/16/24 19:22	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		17	4.3	ng/L		07/15/24 11:26	07/16/24 19:22	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		85	21	ng/L		07/15/24 11:26	07/16/24 19:22	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		85	21	ng/L		07/15/24 11:26	07/16/24 19:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	89.0		5 - 130				07/15/24 11:26	07/16/24 19:22	1
13C5 PFPeA	95.3		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C5 PFHxA	85.5		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C4 PFHpA	104		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C8 PFOA	96.2		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C9 PFNA	88.0		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C6 PFDA	96.9		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C7 PFUnA	84.5		30 - 130				07/15/24 11:26	07/16/24 19:22	1
13C2 PFDoA	86.7		10 - 130				07/15/24 11:26	07/16/24 19:22	1
13C2 PFTeDA	67.2		10 - 130				07/15/24 11:26	07/16/24 19:22	1
13C3 PFHxS	78.0		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C8 PFOS	98.1		40 - 130				07/15/24 11:26	07/16/24 19:22	1
13C8 PFOSA	89.4		40 - 130				07/15/24 11:26	07/16/24 19:22	1
d3-NMeFOSAA	106		40 - 170				07/15/24 11:26	07/16/24 19:22	1
d5-NEtFOSAA	104		25 - 135				07/15/24 11:26	07/16/24 19:22	1
13C2 4:2 FTS	99.5		40 - 200				07/15/24 11:26	07/16/24 19:22	1
13C2 6:2 FTS	116		40 - 200				07/15/24 11:26	07/16/24 19:22	1
13C2 8:2 FTS	101		40 - 300				07/15/24 11:26	07/16/24 19:22	1
13C3 HFPO-DA	85.6		40 - 130				07/15/24 11:26	07/16/24 19:22	1
d7-N-MeFOSE-M	68.6		10 - 130				07/15/24 11:26	07/16/24 19:22	1
d9-N-EtFOSE-M	66.5		10 - 130				07/15/24 11:26	07/16/24 19:22	1
d5-NEtPFOSA	68.4		10 - 130				07/15/24 11:26	07/16/24 19:22	1
d3-NMePFOSA	70.3		10 - 130				07/15/24 11:26	07/16/24 19:22	1

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.89	J	3.4	0.85	ng/L		07/15/24 11:26	07/17/24 15:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 PFBS	71.5		40 - 135				07/15/24 11:26	07/17/24 15:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		21	20	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-2	ND		210	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-3	ND		62	49	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-4	ND		41	25	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-5	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-6	ND		210	25	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-7	ND		210	19	pg/L		07/08/24 12:40	07/12/24 04:49	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-8	ND		210	27	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-9	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-10	ND		210	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-11	ND		210	150	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-12	ND		410	31	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-13	ND		410	31	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-14	ND		210	72	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-15	ND		41	22	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-16	ND		210	7.0	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-17	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-18	ND		410	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-19	ND		21	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-20	ND		410	21	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-21	ND		410	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-22	ND		210	7.5	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-23	ND		210	8.2	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-24	ND		210	9.9	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-25	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-26	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-27	ND		210	9.9	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-28	ND		410	21	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-29	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-30	ND		410	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-31	ND		210	21	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-32	ND		210	9.8	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-33	ND		410	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-34	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-35	ND		210	8.3	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-36	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-37	ND		21	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-38	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-39	ND		210	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-40	ND		410	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-41	ND		210	8.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-42	ND		210	8.4	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-43	ND		210	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-44	ND		620	36	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-45	ND		410	7.9	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-46	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-47	ND		620	36	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-48	ND		210	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-49	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-50	ND		410	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-51	ND		410	8.0	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-52	ND		210	25	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-53	ND		410	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-54	ND		21	8.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-55	ND		210	7.8	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-56	ND		210	6.8	pg/L		07/08/24 12:40	07/12/24 04:49	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-58	ND		210	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-59	ND		620	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-60	ND		210	9.7	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-61	ND		820	20	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-62	ND		620	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-63	ND		210	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-64	ND		210	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-65	ND		620	36	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-66	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-67	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-68	ND		210	9.4	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-69	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-70	ND		820	20	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-71	ND		410	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-72	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-73	ND		210	5.4	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-74	ND		820	20	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-75	ND		620	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-76	ND		820	20	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-77	ND		21	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-78	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-79	ND		210	8.3	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-80	ND		210	8.3	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-81	ND		21	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-82	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-83	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-84	ND		210	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-85	ND		620	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-86	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-87	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-88	ND		410	9.2	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-89	ND		210	8.5	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-90	ND		620	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-91	ND		410	9.2	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-92	ND		210	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-93	ND		410	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-94	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-95	ND		210	32	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-96	ND		210	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-97	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-98	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-99	ND		410	8.2	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-100	ND		410	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-101	ND		620	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-102	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-103	ND		210	8.9	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-104	ND		21	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-105	ND		21	9.5	pg/L		07/08/24 12:40	07/12/24 04:49	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-106	ND		210	8.5	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-107	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-108	ND		410	30	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-109	ND		1200	5.1	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-110	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-111	ND		210	8.9	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-112	ND		210	6.4	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-113	ND		620	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-114	ND		21	7.9	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-115	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-116	ND		620	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-117	ND		620	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-118	ND		21	9.1	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-119	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-120	ND		210	5.8	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-121	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-122	ND		210	8.3	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-123	ND		21	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-124	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-125	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-126	ND		21	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-127	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-128	ND		410	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-129	ND		820	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-130	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-131	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-132	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-133	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-134	ND		410	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-135	ND		410	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-136	ND		210	6.3	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-137	ND		210	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-138	ND		820	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-139	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-140	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-141	ND		210	7.4	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-142	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-143	ND		410	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-144	ND		210	6.3	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-145	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-146	ND		210	7.3	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-147	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-148	ND		210	6.8	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-149	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-150	ND		210	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-151	ND		410	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-152	ND		210	5.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-153	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-154	ND		210	5.9	pg/L		07/08/24 12:40	07/12/24 04:49	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-155	ND		21	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-156	ND		41	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-157	ND		41	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-158	ND		210	11	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-159	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-160	ND		820	7.5	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-161	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-162	ND		210	9.2	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-163	ND		820	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-164	ND		210	21	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-165	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-166	ND		410	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-167	ND		21	7.9	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-168	ND		410	9.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-169	ND		21	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-170	ND		210	19	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-171	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-172	ND		210	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-173	ND		410	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-174	ND		210	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-175	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-176	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-177	ND		210	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-178	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-179	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-180	ND		410	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-181	ND		210	20	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-182	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-183	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-184	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-185	ND		210	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-186	ND		210	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-187	ND		210	19	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-188	ND		21	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-189	ND		21	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-190	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-191	ND		210	20	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-192	ND		210	17	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-193	ND		410	10	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-194	ND		210	9.0	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-195	ND		210	18	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-196	ND		210	16	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-197	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-198	ND		410	8.0	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-199	ND		410	8.0	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-200	ND		210	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-201	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-202	ND		21	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-203	ND		210	14	pg/L		07/08/24 12:40	07/12/24 04:49	1

Euofins Albuquerque

# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-204	ND		210	13	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-205	ND		21	15	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-206	ND		21	8.5	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-207	ND		210	5.6	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-208	ND		21	12	pg/L		07/08/24 12:40	07/12/24 04:49	1
PCB-209	ND		21	12	pg/L		07/08/24 12:40	07/12/24 04:49	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	70		15 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-3L	72		15 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-4L	66		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-15L	76		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-19L	76		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-37L	67		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-54L	57		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-77L	76		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-81L	74		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-104L	52		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-105L	73		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-114L	72		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-118L	73		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-123L	72		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-126L	77		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-155L	59		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-156L	96		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-156L/157L	96		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-157L	96		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-167L	93		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-169L	96		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-188L	55		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-189L	73		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-202L	65		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-205L	79		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-206L	74		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-208L	65		25 - 150	07/08/24 12:40	07/12/24 04:49	1
PCB-209L	71		25 - 150	07/08/24 12:40	07/12/24 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	68		30 - 135	07/08/24 12:40	07/12/24 04:49	1
PCB-111L	75		30 - 135	07/08/24 12:40	07/12/24 04:49	1
PCB-178L	85		30 - 135	07/08/24 12:40	07/12/24 04:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	33		1.0	0.053	mg/L		07/02/24 13:43	07/10/24 15:01	1
Magnesium	6.4		1.0	0.033	mg/L		07/02/24 13:43	07/08/24 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.5		1.0	0.15	ug/L		07/16/24 15:34	07/19/24 14:39	2

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

**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			07/09/24 10:31	1
Copper	0.00095		0.00050	0.00012	mg/L			07/09/24 10:31	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	110		6.6	2.5	mg/L			07/09/24 15:25	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			07/08/24 09:19	1
Total Dissolved Solids (SM 2540C)	250		50	25	mg/L			07/02/24 14:21	1
Nitrogen, Total Kjeldahl (EPA 351.2)	0.60		0.50	0.50	mg/L		07/08/24 11:40	07/09/24 13:01	1
Total Phosphorus as P (EPA 365.1)	0.13		0.050	0.050	mg/L		07/11/24 08:30	07/16/24 09:30	1
Chemical Oxygen Demand (SM 5220D)	ND		50	50	mg/L			07/09/24 14:14	1
Total Suspended Solids (SM 2540D)	58		4.0	4.0	mg/L			07/02/24 16:35	1
pH (SM 4500 H+ B)	8.1	HF	0.1	0.1	SU			07/09/24 22:21	1
Biochemical Oxygen Demand (SM5210B)	2.0	*- b	2.0	2.0	mg/L			06/28/24 11:05	1

**General Chemistry - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P (EPA 365.1)	0.055		0.050	0.050	mg/L		07/11/24 08:30	07/16/24 09:32	1

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

Analyte	Result	Qualifier	Count		RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Total (2σ+/-)						
Gross Alpha	6.25	G	2.76	2.85	3.00	3.55	pCi/L	07/03/24 08:58	07/18/24 17:21	1
Gross Beta	5.30		1.17	1.28	4.00	1.26	pCi/L	07/03/24 08:58	07/18/24 17:21	1

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

Analyte	Result	Qualifier	Count		RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Total (2σ+/-)						
Adjusted Gross Alpha	5.25				3.00	3.55	pCi/L		07/19/24 14:39	1



# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

### 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			07/03/24 03:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		63 - 144					07/03/24 03:08	1
4-Bromofluorobenzene (Surr)	105		74 - 124					07/03/24 03:08	1
Dibromofluoromethane (Surr)	105		75 - 131					07/03/24 03:08	1
Toluene-d8 (Surr)	102		80 - 120					07/03/24 03:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	ND		1.1	0.090	ug/L		07/02/24 12:40	07/05/24 15:46	1
Benzo[a]anthracene	ND	*+	0.11	0.0095	ug/L		07/02/24 12:40	07/05/24 15:46	1
Benzo[b]fluoranthene	ND	*+	0.57	0.066	ug/L		07/02/24 12:40	07/05/24 15:46	1
Bis(2-ethylhexyl) phthalate	ND	*+	2.8	1.4	ug/L		07/02/24 12:40	07/05/24 15:46	1
Chrysene	ND	*+	0.57	0.081	ug/L		07/02/24 12:40	07/05/24 15:46	1
Dibenz(a,h)anthracene	ND		0.11	0.051	ug/L		07/02/24 12:40	07/05/24 15:46	1
Dibenzofuran	ND		0.57	0.11	ug/L		07/02/24 12:40	07/05/24 15:46	1
Indeno[1,2,3-cd]pyrene	ND		0.57	0.10	ug/L		07/02/24 12:40	07/05/24 15:46	1
Pentachlorophenol	ND		1.1	1.0	ug/L		07/02/24 12:40	07/05/24 15:46	1
Benzo[k]fluoranthene	ND	*+	0.57	0.047	ug/L		07/02/24 12:40	07/05/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	123		43 - 130				07/02/24 12:40	07/05/24 15:46	1
2-Fluorophenol (Surr)	87		19 - 120				07/02/24 12:40	07/05/24 15:46	1
Nitrobenzene-d5 (Surr)	144	S1+	37 - 133				07/02/24 12:40	07/05/24 15:46	1
Phenol-d5 (Surr)	61		8 - 124				07/02/24 12:40	07/05/24 15:46	1
p-Terphenyl-d14 (Surr)	89		47 - 130				07/02/24 12:40	07/05/24 15:46	1
2,4,6-Tribromophenol (Surr)	153	S1+	35 - 130				07/02/24 12:40	07/05/24 15:46	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		07/02/24 22:42	07/03/24 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	29	S1-	45 - 115				07/02/24 22:42	07/03/24 14:58	1
Tetrachloro-m-xylene	145	S1+	41 - 110				07/02/24 22:42	07/03/24 14:58	1

### Method: SW846 8081B\_LL - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND	*+	0.000010	0.0000000	mg/L		07/03/24 13:50	07/05/24 12:10	1
				81					
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	103		15 - 136				07/03/24 13:50	07/05/24 12:10	1
Tetrachloro-m-xylene	111		18 - 126				07/03/24 13:50	07/05/24 12:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate	0.62		0.10	0.020	mg/L			06/28/24 12:29	1
Nitrite	ND		0.10	0.012	mg/L			06/28/24 12:29	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.8	J	12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoropentanoic acid (PFPeA)	3.1	J	6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorohexanoic acid (PFHxA)	2.2	J	3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoroheptanoic acid (PFHpA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorooctanoic acid (PFOA)	1.5	J	3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorononanoic acid (PFNA)	1.0	J	3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorodecanoic acid (PFDA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoroundecanoic acid (PFUnA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorododecanoic acid (PFDoA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorotridecanoic acid (PFTrDA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorotetradecanoic acid (PFTeDA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoropentanesulfonic acid (PFPeS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorooctanesulfonic acid (PFOS)	1.6	J1	3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorononanesulfonic acid (PFNS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorododecanesulfonic acid (PFDoS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluorooctanesulfonamide (PFOSA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:39	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		30	7.6	ng/L		07/15/24 11:26	07/16/24 19:39	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		30	7.6	ng/L		07/15/24 11:26	07/16/24 19:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:39	1
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:39	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9CI-PF3ONS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF3OUdS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:39	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		15	3.8	ng/L		07/15/24 11:26	07/16/24 19:39	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		76	19	ng/L		07/15/24 11:26	07/16/24 19:39	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		76	19	ng/L		07/15/24 11:26	07/16/24 19:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95.6		5 - 130				07/15/24 11:26	07/16/24 19:39	1
13C5 PFPeA	102		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C5 PFHxA	96.9		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C4 PFHpA	110		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C8 PFOA	96.8		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C9 PFNA	87.6		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C6 PFDA	94.8		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C7 PFUnA	94.3		30 - 130				07/15/24 11:26	07/16/24 19:39	1
13C2 PFDoA	86.3		10 - 130				07/15/24 11:26	07/16/24 19:39	1
13C2 PFTeDA	71.2		10 - 130				07/15/24 11:26	07/16/24 19:39	1
13C3 PFHxS	82.6		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C8 PFOS	105		40 - 130				07/15/24 11:26	07/16/24 19:39	1
13C8 PFOSA	94.1		40 - 130				07/15/24 11:26	07/16/24 19:39	1
d3-NMeFOSAA	104		40 - 170				07/15/24 11:26	07/16/24 19:39	1
d5-NEtFOSAA	111		25 - 135				07/15/24 11:26	07/16/24 19:39	1
13C2 4:2 FTS	99.0		40 - 200				07/15/24 11:26	07/16/24 19:39	1
13C2 6:2 FTS	117		40 - 200				07/15/24 11:26	07/16/24 19:39	1
13C2 8:2 FTS	107		40 - 300				07/15/24 11:26	07/16/24 19:39	1
13C3 HFPO-DA	93.1		40 - 130				07/15/24 11:26	07/16/24 19:39	1
d7-N-MeFOSE-M	66.7		10 - 130				07/15/24 11:26	07/16/24 19:39	1
d9-N-EtFOSE-M	63.5		10 - 130				07/15/24 11:26	07/16/24 19:39	1
d5-NEtPFOSA	65.1		10 - 130				07/15/24 11:26	07/16/24 19:39	1
d3-NMePFOSA	67.6		10 - 130				07/15/24 11:26	07/16/24 19:39	1

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	4.1		3.0	0.76	ng/L		07/15/24 11:26	07/17/24 15:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C3 PFBS	78.6		40 - 135				07/15/24 11:26	07/17/24 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		21	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-2	ND		210	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-3	ND		62	50	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-4	ND		41	25	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-5	ND		210	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-6	ND		210	26	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-7	ND		210	19	pg/L		07/08/24 12:40	07/12/24 05:52	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-8	ND		210	27	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-9	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-10	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-11	ND		210	150	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-12	ND		410	32	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-13	ND		410	32	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-14	ND		210	73	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-15	ND		41	22	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-16	ND		210	7.1	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-17	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-18	ND		410	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-19	ND		21	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-20	ND		410	22	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-21	ND		410	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-22	ND		210	7.6	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-23	ND		210	8.3	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-24	ND		210	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-25	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-26	ND		410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-27	ND		210	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-28	ND		410	22	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-29	ND		410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-30	ND		410	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-31	ND		210	21	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-32	ND		210	9.9	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-33	ND		410	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-34	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-35	ND		210	8.4	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-36	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-37	ND		21	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-38	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-39	ND		210	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-40	ND		410	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-41	ND		210	8.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-42	ND		210	8.5	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-43	ND		210	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-44	ND		620	36	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-45	ND		410	8.0	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-46	ND		210	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-47	ND		620	36	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-48	ND		210	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-49	ND		410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-50	ND		410	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-51	ND		410	8.1	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-52	ND		210	25	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-53	ND		410	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-54	ND		21	8.6	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-55	ND		210	7.9	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-56	ND		210	6.9	pg/L		07/08/24 12:40	07/12/24 05:52	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-58	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-59	ND		620	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-60	ND		210	9.9	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-61	ND		830	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-62	ND		620	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-63	ND		210	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-64	ND		210	9.8	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-65	ND		620	36	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-66	ND		210	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-67	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-68	ND		210	9.5	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-69	ND		410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-70	ND		830	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-71	ND		410	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-72	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-73	ND		210	5.5	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-74	ND		830	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-75	ND		620	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-76	ND		830	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-77	ND		21	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-78	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-79	ND		210	8.4	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-80	ND		210	8.4	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-81	ND		21	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-82	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-83	ND		410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-84	ND		210	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-85	ND		620	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-86	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-87	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-88	ND		410	9.3	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-89	ND		210	8.6	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-90	ND		620	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-91	ND		410	9.3	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-92	ND		210	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-93	ND		410	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-94	ND		210	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-95	ND		210	33	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-96	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-97	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-98	ND		410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-99	ND		410	8.3	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-100	ND		410	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-101	ND		620	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-102	ND		410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-103	ND		210	9.0	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-104	ND		21	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-105	ND		21	9.6	pg/L		07/08/24 12:40	07/12/24 05:52	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-106	ND		210	8.6	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-107	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-108	ND		410	30	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-109	ND		1200	5.2	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-110</b>	<b>21</b>	<b>J q</b>	410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-111	ND		210	9.0	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-112	ND		210	6.5	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-113	ND		620	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-114	ND		21	8.0	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-115</b>	<b>21</b>	<b>J q</b>	410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-116	ND		620	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-117	ND		620	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-118</b>	<b>13</b>	<b>J q</b>	21	9.2	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-119	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-120	ND		210	5.8	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-121	ND		210	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-122	ND		210	8.4	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-123	ND		21	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-124	ND		410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-125	ND		1200	30	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-126	ND		21	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-127	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-128	ND		410	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-129</b>	<b>28</b>	<b>J q</b>	830	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-130	ND		210	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-131	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-132	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-133	ND		210	11	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-134	ND		410	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-135	ND		410	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-136	ND		210	6.3	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-137	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-138</b>	<b>28</b>	<b>J q</b>	830	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-139	ND		410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-140	ND		410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-141	ND		210	7.5	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-142	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-143	ND		410	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-144	ND		210	6.4	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-145	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-146	ND		210	7.4	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-147</b>	<b>23</b>	<b>J q</b>	410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-148	ND		210	6.9	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-149</b>	<b>23</b>	<b>J q</b>	410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-150	ND		210	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-151	ND		410	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-152	ND		210	5.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-153</b>	<b>26</b>	<b>J</b>	410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-154	ND		210	6.0	pg/L		07/08/24 12:40	07/12/24 05:52	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-155	ND		21	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-156	ND		41	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-157	ND		41	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-158	ND		210	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-159	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-160</b>	<b>28</b>	<b>J q</b>	830	7.6	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-161	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-162	ND		210	9.4	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-163</b>	<b>28</b>	<b>J q</b>	830	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-164	ND		210	21	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-165	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-166	ND		410	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-167	ND		21	7.9	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-168</b>	<b>26</b>	<b>J</b>	410	9.7	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-169	ND		21	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-170	ND		210	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-171	ND		410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-172	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-173	ND		410	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-174	ND		210	17	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-175	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-176	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-177	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-178	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-179	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-180</b>	<b>29</b>	<b>J</b>	410	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-181	ND		210	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-182	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-183	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-184	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-185	ND		210	13	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-186	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-187	ND		210	20	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-188	ND		21	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-189	ND		21	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-190	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-191	ND		210	21	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-192	ND		210	18	pg/L		07/08/24 12:40	07/12/24 05:52	1
<b>PCB-193</b>	<b>29</b>	<b>J</b>	410	10	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-194	ND		210	9.1	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-195	ND		210	19	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-196	ND		210	16	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-197	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-198	ND		410	8.1	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-199	ND		410	8.1	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-200	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-201	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-202	ND		21	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-203	ND		210	15	pg/L		07/08/24 12:40	07/12/24 05:52	1

Eurofins Albuquerque

# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-204	ND		210	14	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-205	ND		21	15	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-206	ND		21	8.6	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-207	ND		210	5.6	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-208	ND		21	12	pg/L		07/08/24 12:40	07/12/24 05:52	1
PCB-209	ND		21	12	pg/L		07/08/24 12:40	07/12/24 05:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	72		15 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-3L	74		15 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-4L	65		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-15L	72		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-19L	76		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-37L	70		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-54L	62		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-77L	79		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-81L	76		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-104L	53		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-105L	70		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-114L	68		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-118L	67		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-123L	68		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-126L	72		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-155L	62		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-156L	96		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-156L/157L	96		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-157L	96		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-167L	94		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-169L	95		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-188L	53		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-189L	64		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-202L	60		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-205L	72		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-206L	62		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-208L	63		25 - 150	07/08/24 12:40	07/12/24 05:52	1
PCB-209L	70		25 - 150	07/08/24 12:40	07/12/24 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	75		30 - 135	07/08/24 12:40	07/12/24 05:52	1
PCB-111L	78		30 - 135	07/08/24 12:40	07/12/24 05:52	1
PCB-178L	93		30 - 135	07/08/24 12:40	07/12/24 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	41		1.0	0.053	mg/L		07/02/24 13:43	07/10/24 15:03	1
Magnesium	8.3		1.0	0.033	mg/L		07/02/24 13:43	07/08/24 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	1.6		1.0	0.15	ug/L		07/16/24 15:34	07/19/24 15:03	2

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

Date Collected: 06/27/24 13:10

Matrix: Water

Date Received: 06/27/24 14:37

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.010		0.00050	0.00012	mg/L			07/09/24 10:34	1
Lead	ND		0.00050	0.000083	mg/L			07/09/24 10:34	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	140		6.6	2.5	mg/L			07/09/24 15:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	ND		4.9	4.4	mg/L			07/08/24 09:19	1
Total Dissolved Solids (SM 2540C)	280		100	50	mg/L			07/03/24 12:52	1
Nitrogen, Total Kjeldahl (EPA 351.2)	0.99		0.50	0.50	mg/L		07/08/24 11:40	07/09/24 13:02	1
Total Phosphorus as P (EPA 365.1)	0.38		0.050	0.050	mg/L		07/11/24 08:30	07/16/24 09:34	1
Chemical Oxygen Demand (SM 5220D)	ND		50	50	mg/L			07/23/24 14:19	1
Total Suspended Solids (SM 2540D)	160		8.0	8.0	mg/L			07/02/24 16:35	1
pH (SM 4500 H+ B)	8.2	HF	0.1	0.1	SU			07/09/24 22:10	1
Biochemical Oxygen Demand (SM5210B)	ND	*- b	2.0	2.0	mg/L			06/28/24 11:05	1

**General Chemistry - Dissolved**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P (EPA 365.1)	0.37		0.050	0.050	mg/L		07/11/24 08:30	07/16/24 09:36	1

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

Analyte	Result	Qualifier	Count		RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Total (2σ+/-)						
Gross Alpha	4.84	G	3.13	3.18	3.00	4.46	pCi/L	07/03/24 08:58	07/18/24 17:21	1
Gross Beta	7.45		1.73	1.88	4.00	1.91	pCi/L	07/03/24 08:58	07/18/24 17:21	1

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

Analyte	Result	Qualifier	Count		RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert. (2σ+/-)	Total (2σ+/-)						
Adjusted Gross Alpha	3.77	U			3.00	4.46	pCi/L		07/19/24 15:03	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	644.0		10.0	10.0	MPN/100mL			06/27/24 17:12	1

# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: EB-20240627**

**Lab Sample ID: 885-7077-3**

**Date Collected: 06/27/24 11:50**

**Matrix: Water**

**Date Received: 06/27/24 14:37**

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluoropentanoic acid (PFPeA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorohexanoic acid (PFHxA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
<b>Perfluoroheptanoic acid (PFHpA)</b>	<b>ND</b>		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
<b>Perfluorooctanoic acid (PFOA)</b>	<b>ND</b>		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
<b>Perfluorononanoic acid (PFNA)</b>	<b>ND</b>		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>ND</b>		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluoroundecanoic acid (PFUnA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorododecanoic acid (PFDoA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorotridecanoic acid (PFTrDA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorotetradecanoic acid (PFTeDA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluoropentanesulfonic acid (PFPeS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
<b>Perfluoroheptanesulfonic acid (PFHxS)</b>	<b>ND</b>		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
<b>Perfluorooctanesulfonic acid (PFOS)</b>	<b>ND</b>		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorononanesulfonic acid (PFNS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorododecanesulfonic acid (PFDoS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluorooctanesulfonamide (PFOSA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/16/24 19:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		30	7.6	ng/L		07/15/24 11:26	07/16/24 19:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		30	7.6	ng/L		07/15/24 11:26	07/16/24 19:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		12	3.0	ng/L		07/15/24 11:26	07/16/24 19:57	1

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# Client Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: EB-20240627**

**Lab Sample ID: 885-7077-3**

Date Collected: 06/27/24 11:50

Matrix: Water

Date Received: 06/27/24 14:37

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	ND		6.1	1.5	ng/L		07/15/24 11:26	07/16/24 19:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		15	3.8	ng/L		07/15/24 11:26	07/16/24 19:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		76	19	ng/L		07/15/24 11:26	07/16/24 19:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		76	19	ng/L		07/15/24 11:26	07/16/24 19:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89.6		5 - 130	07/15/24 11:26	07/16/24 19:57	1
13C5 PFPeA	96.9		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C5 PFHxA	89.9		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C4 PFHpA	106		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C8 PFOA	96.1		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C9 PFNA	88.8		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C6 PFDA	99.9		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C7 PFUnA	97.0		30 - 130	07/15/24 11:26	07/16/24 19:57	1
13C2 PFDoA	90.4		10 - 130	07/15/24 11:26	07/16/24 19:57	1
13C2 PFTeDA	74.0		10 - 130	07/15/24 11:26	07/16/24 19:57	1
13C3 PFHxS	79.9		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C8 PFOS	95.1		40 - 130	07/15/24 11:26	07/16/24 19:57	1
13C8 PFOSA	80.2		40 - 130	07/15/24 11:26	07/16/24 19:57	1
d3-NMeFOSAA	98.6		40 - 170	07/15/24 11:26	07/16/24 19:57	1
d5-NEtFOSAA	98.9		25 - 135	07/15/24 11:26	07/16/24 19:57	1
13C2 4:2 FTS	81.5		40 - 200	07/15/24 11:26	07/16/24 19:57	1
13C2 6:2 FTS	110		40 - 200	07/15/24 11:26	07/16/24 19:57	1
13C2 8:2 FTS	95.1		40 - 300	07/15/24 11:26	07/16/24 19:57	1
13C3 HFPO-DA	96.3		40 - 130	07/15/24 11:26	07/16/24 19:57	1
d7-N-MeFOSE-M	64.2		10 - 130	07/15/24 11:26	07/16/24 19:57	1
d9-N-EtFOSE-M	64.8		10 - 130	07/15/24 11:26	07/16/24 19:57	1
d5-NEtPFOSA	64.9		10 - 130	07/15/24 11:26	07/16/24 19:57	1
d3-NMePFOSA	66.7		10 - 130	07/15/24 11:26	07/16/24 19:57	1

**Method: EPA Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		3.0	0.76	ng/L		07/15/24 11:26	07/17/24 15:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	74.9		40 - 135	07/15/24 11:26	07/17/24 15:38	1

# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
885-7077-1	RG-North20240626	89.0	95.3	85.5	104	96.2	88.0	96.9	84.5
885-7077-2	RG-South20240627	95.6	102	96.9	110	96.8	87.6	94.8	94.3
885-7077-3	EB-20240627	89.6	96.9	89.9	106	96.1	88.8	99.9	97.0
LCS 320-779486/3-A	Lab Control Sample	92.1	97.5	95.3	110	96.2	87.6	99.7	109
LCSD 320-779486/4-A	Lab Control Sample Dup	90.7	96.1	93.8	111	88.0	103	101	99.1
LLCS 320-779486/2-A	Lab Control Sample	95.3	100	98.9	113	99.9	79.9	91.0	84.8
MB 320-779486/1-A	Method Blank	102	107	102	117	102	103	106	119

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDoA (10-130)	PFTDA (10-130)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	M242FTS (40-200)
885-7077-1	RG-North20240626	86.7	67.2	78.0	98.1	89.4	106	104	99.5
885-7077-2	RG-South20240627	86.3	71.2	82.6	105	94.1	104	111	99.0
885-7077-3	EB-20240627	90.4	74.0	79.9	95.1	80.2	98.6	98.9	81.5
LCS 320-779486/3-A	Lab Control Sample	102	88.1	85.2	89.5	83.7	94.8	97.4	81.3
LCSD 320-779486/4-A	Lab Control Sample Dup	99.9	86.8	83.5	92.0	88.4	105	103	81.3
LLCS 320-779486/2-A	Lab Control Sample	85.0	84.0	87.2	98.8	99.4	101	103	80.8
MB 320-779486/1-A	Method Blank	123	111	93.5	100	101	101	104	91.6

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFm (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSa (10-130)
885-7077-1	RG-North20240626	116	101	85.6	68.6	66.5	68.4	70.3
885-7077-2	RG-South20240627	117	107	93.1	66.7	63.5	65.1	67.6
885-7077-3	EB-20240627	110	95.1	96.3	64.2	64.8	64.9	66.7
LCS 320-779486/3-A	Lab Control Sample	98.3	84.9	90.7	74.1	78.3	75.7	74.2
LCSD 320-779486/4-A	Lab Control Sample Dup	97.3	86.6	91.8	80.2	85.0	78.0	76.3
LLCS 320-779486/2-A	Lab Control Sample	106	92.8	92.4	89.4	91.8	84.5	85.9
MB 320-779486/1-A	Method Blank	115	96.6	96.7	92.3	94.4	87.2	86.3

#### 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
- C3PFHS = 13C3 PFHxS
- C8PFOS = 13C8 PFOS
- PFOSA = 13C8 PFOSA
- 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



# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job ID: 885-7077-1

Project/Site: CMC

NEFM = d9-N-EtFOSE-M  
 d5NPFSA = d5-NEtPFOSA  
 d3NMFSA = d3-NMePFOSA

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C3PFBS (40-135)
885-7077-1 - RA	RG-North20240626	71.5
885-7077-2 - RA	RG-South20240627	78.6
885-7077-3 - RA	EB-20240627	74.9
LCS 320-779486/3-A - RA	Lab Control Sample	78.1
LCS 320-779486/4-A - RA	Lab Control Sample Dup	75.3
LLCS 320-779486/2-A - RA	Lab Control Sample	75.8
MB 320-779486/1-A - RA	Method Blank	82.7

#### Surrogate Legend

C3PFBS = 13C3 PFBS

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

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB1L (15-150)	PCB3L (15-150)	PCB4L (25-150)	PCB15L (25-150)	PCB19L (25-150)	PCB37L (25-150)	PCB54L (25-150)	PCB77L (25-150)
885-7077-1	RG-North20240626	70	72	66	76	76	67	57	76
885-7077-2	RG-South20240627	72	74	65	72	76	70	62	79
MB 320-777390/1-A	Method Blank	74	75	68	80	79	77	68	88

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB81L (25-150)	PCB104L (25-150)	PCB105L (25-150)	PCB114L (25-150)	PCB118L (25-150)	PCB123L (25-150)	PCB126L (25-150)	PCB155L (25-150)
885-7077-1	RG-North20240626	74	52	73	72	73	72	77	59
885-7077-2	RG-South20240627	76	53	70	68	67	68	72	62
MB 320-777390/1-A	Method Blank	89	64	80	77	80	80	84	73

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB156L (25-150)	156157L (25-150)	PCB157L (25-150)	PCB167L (25-150)	PCB169L (25-150)	PCB188L (25-150)	PCB189L (25-150)	PCB202L (25-150)
885-7077-1	RG-North20240626	96	96	96	93	96	55	73	65
885-7077-2	RG-South20240627	96	96	96	94	95	53	64	60
MB 320-777390/1-A	Method Blank	107	107	107	106	110	58	70	61

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PCB205L (25-150)	PCB206L (25-150)	PCB208L (25-150)	PCB209L (25-150)
885-7077-1	RG-North20240626	79	74	65	71
885-7077-2	RG-South20240627	72	62	63	70
MB 320-777390/1-A	Method Blank	75	65	60	62

#### Surrogate Legend

PCB1L = PCB-1L  
 PCB3L = PCB-3L  
 PCB4L = PCB-4L  
 PCB15L = PCB-15L  
 PCB19L = PCB-19L  
 PCB37L = PCB-37L  
 PCB54L = PCB-54L

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# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job ID: 885-7077-1

Project/Site: CMC

- 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)							
Lab Sample ID	Client Sample ID	PCB1L (15-140)	PCB3L (15-140)	PCB4L (30-140)	PCB15L (30-140)	PCB19L (30-140)	PCB37L (30-140)	PCB54L (30-140)	PCB77L (30-140)
LCS 320-777390/2-A	Lab Control Sample	74	75	70	81	79	79	69	89
LCSD 320-777390/3-A	Lab Control Sample Dup	74	77	69	83	81	80	69	92

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB81L (30-140)	PCB104L (30-140)	PCB105L (30-140)	PCB114L (30-140)	PCB118L (30-140)	PCB123L (30-140)	PCB126L (30-140)	PCB155L (30-140)
LCS 320-777390/2-A	Lab Control Sample	88	68	84	83	82	83	87	81
LCSD 320-777390/3-A	Lab Control Sample Dup	91	67	86	86	88	85	89	70

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB156L (30-140)	156157L (30-140)	PCB157L (30-140)	PCB167L (30-140)	PCB169L (30-140)	PCB188L (30-140)	PCB189L (30-140)	PCB202L (30-140)
LCS 320-777390/2-A	Lab Control Sample	110	110	110	112	114	60	75	65
LCSD 320-777390/3-A	Lab Control Sample Dup	104	104	104	104	104	61	76	66

		Percent Isotope Dilution Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	PCB205L (30-140)	PCB206L (30-140)	PCB208L (30-140)	PCB209L (30-140)
LCS 320-777390/2-A	Lab Control Sample	77	67	65	68
LCSD 320-777390/3-A	Lab Control Sample Dup	77	70	63	68

**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

# Isotope Dilution Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job ID: 885-7077-1

Project/Site: CMC

- 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

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 860-169234/9  
 Matrix: Water  
 Analysis Batch: 169234

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Tetrahydrofuran	ND		0.010	0.0018	mg/L			07/02/24 20:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	101		63 - 144				07/02/24 20:38	1	
4-Bromofluorobenzene (Surr)	102		74 - 124				07/02/24 20:38	1	
Dibromofluoromethane (Surr)	103		75 - 131				07/02/24 20:38	1	
Toluene-d8 (Surr)	99		80 - 120				07/02/24 20:38	1	

Lab Sample ID: LCS 860-169234/3  
 Matrix: Water  
 Analysis Batch: 169234

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Tetrahydrofuran	0.100	0.0923		mg/L		92	75 - 125
Surrogate	%Recovery	Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	94		63 - 144				
4-Bromofluorobenzene (Surr)	99		74 - 124				
Dibromofluoromethane (Surr)	98		75 - 131				
Toluene-d8 (Surr)	100		80 - 120				

Lab Sample ID: LCSD 860-169234/4  
 Matrix: Water  
 Analysis Batch: 169234

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Tetrahydrofuran	0.100	0.0984		mg/L		98	75 - 125	6	25
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	95		63 - 144						
4-Bromofluorobenzene (Surr)	100		74 - 124						
Dibromofluoromethane (Surr)	97		75 - 131						
Toluene-d8 (Surr)	99		80 - 120						

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

Lab Sample ID: MB 860-169312/1-A  
 Matrix: Water  
 Analysis Batch: 169369

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 169312

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dieldrin	ND		0.000050	0.000017	mg/L		07/02/24 22:40	07/03/24 11:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
DCB Decachlorobiphenyl (Surr)	55		45 - 115			07/02/24 22:40	07/03/24 11:25	1	
Tetrachloro-m-xylene	107		41 - 110			07/02/24 22:40	07/03/24 11:25	1	

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID: LCS 860-169312/2-A**  
**Matrix: Water**  
**Analysis Batch: 169369**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 169312**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Dieldrin	0.00125	0.00150	*+	mg/L		120	57 - 107	
<b>LCS LCS</b>								
Surrogate	%Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl (Surr)	56		45 - 115					
Tetrachloro-m-xylene	101		41 - 110					

**Lab Sample ID: LCSD 860-169312/3-A**  
**Matrix: Water**  
**Analysis Batch: 169369**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 169312**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit
Dieldrin	0.00125	0.00149	*+	mg/L		119	57 - 107	1	30	
<b>LCSD LCSD</b>										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)	56		45 - 115							
Tetrachloro-m-xylene	99		41 - 110							

**Lab Sample ID: MB 860-169818/1-A**  
**Matrix: Water**  
**Analysis Batch: 169920**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 169818**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dieldrin	ND		0.000050	0.000017	mg/L		07/05/24 21:47	07/13/24 11:39	1
<b>MB MB</b>									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
DCB Decachlorobiphenyl (Surr)	90		45 - 115	07/05/24 21:47	07/13/24 11:39	1			
Tetrachloro-m-xylene	129	S1+	41 - 110	07/05/24 21:47	07/13/24 11:39	1			

**Lab Sample ID: LCS 860-169818/2-A**  
**Matrix: Water**  
**Analysis Batch: 169920**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 169818**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Dieldrin	0.00125	0.00186	*+	mg/L		149	57 - 107	
<b>LCS LCS</b>								
Surrogate	%Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl (Surr)	91		45 - 115					
Tetrachloro-m-xylene	124	S1+	41 - 110					

**Lab Sample ID: LCSD 860-169818/3-A**  
**Matrix: Water**  
**Analysis Batch: 169920**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 169818**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	RPD Limit
Dieldrin	0.00125	0.00187	*+	mg/L		150	57 - 107	0	30	

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCSD 860-169818/3-A  
 Matrix: Water  
 Analysis Batch: 169920

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 169818

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	91		45 - 115
Tetrachloro-m-xylene	124	S1+	41 - 110

## Method: 8081B\_LL - Organochlorine Pesticides (GC)

Lab Sample ID: MB 860-169461/1-A  
 Matrix: Water  
 Analysis Batch: 169649

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 169461

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dieldrin	ND		0.000010	0.0000000	mg/L		07/03/24 13:50	07/05/24 10:04	1
				81					

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	141	S1+	15 - 136	07/03/24 13:50	07/05/24 10:04	1
Tetrachloro-m-xylene	125		18 - 126	07/03/24 13:50	07/05/24 10:04	1

Lab Sample ID: LCS 860-169461/2-A  
 Matrix: Water  
 Analysis Batch: 169649

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 169461

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Dieldrin	0.000100	0.000132	*+	mg/L		132	46 - 127

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	139	S1+	15 - 136
Tetrachloro-m-xylene	123		18 - 126

Lab Sample ID: LCSD 860-169461/3-A  
 Matrix: Water  
 Analysis Batch: 169649

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 169461

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Dieldrin	0.000100	0.000139	*+	mg/L		139	46 - 127	5	25

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	146	S1+	15 - 136
Tetrachloro-m-xylene	122		18 - 126

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-7687/10  
 Matrix: Water  
 Analysis Batch: 7687

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate	ND		0.10	0.020	mg/L			06/28/24 10:22	1
Nitrite	ND		0.10	0.012	mg/L			06/28/24 10:22	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: MB 885-7687/58**  
**Matrix: Water**  
**Analysis Batch: 7687**

**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			06/28/24 20:19	1
Nitrite	ND		0.10	0.012	mg/L			06/28/24 20:19	1

**Lab Sample ID: LCS 885-7687/11**  
**Matrix: Water**  
**Analysis Batch: 7687**

**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	2.58		mg/L		103	90 - 110
Nitrite	1.00	0.986		mg/L		99	90 - 110

**Lab Sample ID: LCS 885-7687/59**  
**Matrix: Water**  
**Analysis Batch: 7687**

**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	2.54		mg/L		102	90 - 110
Nitrite	1.00	0.969		mg/L		97	90 - 110

**Lab Sample ID: MRL 885-7687/9**  
**Matrix: Water**  
**Analysis Batch: 7687**

**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	0.111		mg/L		111	50 - 150
Nitrite	0.0999	0.103		mg/L		103	50 - 150

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

**Lab Sample ID: MB 320-779486/1-A**  
**Matrix: Water**  
**Analysis Batch: 780306**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 779486**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoropentanoic acid (PFPeA)	ND		4.0	1.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorotridecanoic acid (PFTTrDA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorotetradecanoic acid (PFTeDA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

**Lab Sample ID: MB 320-779486/1-A**  
**Matrix: Water**  
**Analysis Batch: 780306**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 779486**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.50	ng/L		07/15/24 11:26	07/16/24 18:11	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		20	5.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		20	5.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		4.0	1.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		4.0	1.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		4.0	1.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		8.0	2.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		4.0	1.0	ng/L		07/15/24 11:26	07/16/24 18:11	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		10	2.5	ng/L		07/15/24 11:26	07/16/24 18:11	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		50	13	ng/L		07/15/24 11:26	07/16/24 18:11	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		50	13	ng/L		07/15/24 11:26	07/16/24 18:11	1
	MB	MB					Prepared	Analyzed	Dil Fac
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	102		5 - 130				07/15/24 11:26	07/16/24 18:11	1
13C5 PFPeA	107		40 - 130				07/15/24 11:26	07/16/24 18:11	1
13C5 PFHxA	102		40 - 130				07/15/24 11:26	07/16/24 18:11	1
13C4 PFHpA	117		40 - 130				07/15/24 11:26	07/16/24 18:11	1
13C8 PFOA	102		40 - 130				07/15/24 11:26	07/16/24 18:11	1
13C9 PFNA	103		40 - 130				07/15/24 11:26	07/16/24 18:11	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 320-779486/1-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 779486

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C6 PFDA	106		40 - 130	07/15/24 11:26	07/16/24 18:11	1
13C7 PFUnA	119		30 - 130	07/15/24 11:26	07/16/24 18:11	1
13C2 PFDoA	123		10 - 130	07/15/24 11:26	07/16/24 18:11	1
13C2 PFTeDA	111		10 - 130	07/15/24 11:26	07/16/24 18:11	1
13C3 PFHxS	93.5		40 - 130	07/15/24 11:26	07/16/24 18:11	1
13C8 PFOS	100		40 - 130	07/15/24 11:26	07/16/24 18:11	1
13C8 PFOSA	101		40 - 130	07/15/24 11:26	07/16/24 18:11	1
d3-NMeFOSAA	101		40 - 170	07/15/24 11:26	07/16/24 18:11	1
d5-NEtFOSAA	104		25 - 135	07/15/24 11:26	07/16/24 18:11	1
13C2 4:2 FTS	91.6		40 - 200	07/15/24 11:26	07/16/24 18:11	1
13C2 6:2 FTS	115		40 - 200	07/15/24 11:26	07/16/24 18:11	1
13C2 8:2 FTS	96.6		40 - 300	07/15/24 11:26	07/16/24 18:11	1
13C3 HFPO-DA	96.7		40 - 130	07/15/24 11:26	07/16/24 18:11	1
d7-N-MeFOSE-M	92.3		10 - 130	07/15/24 11:26	07/16/24 18:11	1
d9-N-EtFOSE-M	94.4		10 - 130	07/15/24 11:26	07/16/24 18:11	1
d5-NEtPFOSA	87.2		10 - 130	07/15/24 11:26	07/16/24 18:11	1
d3-NMePFOSA	86.3		10 - 130	07/15/24 11:26	07/16/24 18:11	1

Lab Sample ID: LCS 320-779486/3-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	128	123		ng/L		96	70 - 140
Perfluoropentanoic acid (PFPeA)	64.0	58.8		ng/L		92	65 - 135
Perfluorohexanoic acid (PFHxA)	32.0	29.1		ng/L		91	70 - 145
Perfluoroheptanoic acid (PFHpA)	32.0	28.4		ng/L		89	70 - 150
Perfluorooctanoic acid (PFOA)	32.0	28.2		ng/L		88	70 - 150
Perfluorononanoic acid (PFNA)	32.0	32.1		ng/L		100	70 - 150
Perfluorodecanoic acid (PFDA)	32.0	35.7		ng/L		111	70 - 140
Perfluoroundecanoic acid (PFUnA)	32.0	29.9		ng/L		93	70 - 145
Perfluorododecanoic acid (PFDoA)	32.0	27.8		ng/L		87	70 - 140
Perfluorotridecanoic acid (PFTrDA)	32.0	32.9		ng/L		103	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	32.0	31.6		ng/L		99	60 - 140
Perfluoropentanesulfonic acid (PFPeS)	30.1	27.3		ng/L		91	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	29.2	30.8		ng/L		105	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	30.5	33.5		ng/L		110	70 - 150
Perfluorooctanesulfonic acid (PFOS)	29.8	28.3		ng/L		95	55 - 150
Perfluorononanesulfonic acid (PFNS)	30.8	28.9		ng/L		94	65 - 145
Perfluorodecanesulfonic acid (PFDS)	30.8	27.2		ng/L		88	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	31.0	24.8		ng/L		80	50 - 145

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 320-779486/3-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	128		ng/L		107	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	122	123		ng/L		101	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	123	134		ng/L		109	60 - 150
Perfluorooctanesulfonamide (PFOSA)	32.0	24.5		ng/L		77	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	32.0	28.8		ng/L		90	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	32.0	29.2		ng/L		91	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	32.0	31.5		ng/L		98	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	32.0	27.6		ng/L		86	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	320	301		ng/L		94	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	320	303		ng/L		95	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	128	119		ng/L		93	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	121	144		ng/L		119	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	64.0	65.0		ng/L		101	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	64.0	56.1		ng/L		88	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.0	58.2		ng/L		91	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	120	132		ng/L		111	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	121	136		ng/L		113	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	57.1	52.8		ng/L		92	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	160	161		ng/L		101	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	799	806		ng/L		101	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	799	887		ng/L		111	50 - 145

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	92.1		5 - 130
13C5 PFPeA	97.5		40 - 130
13C5 PFHxA	95.3		40 - 130
13C4 PFHpA	110		40 - 130
13C8 PFOA	96.2		40 - 130
13C9 PFNA	87.6		40 - 130
13C6 PFDA	99.7		40 - 130
13C7 PFUnA	109		30 - 130

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 320-779486/3-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDoA	102		10 - 130
13C2 PFTeDA	88.1		10 - 130
13C3 PFHxS	85.2		40 - 130
13C8 PFOS	89.5		40 - 130
13C8 PFOSA	83.7		40 - 130
d3-NMeFOSAA	94.8		40 - 170
d5-NEtFOSAA	97.4		25 - 135
13C2 4:2 FTS	81.3		40 - 200
13C2 6:2 FTS	98.3		40 - 200
13C2 8:2 FTS	84.9		40 - 300
13C3 HFPO-DA	90.7		40 - 130
d7-N-MeFOSE-M	74.1		10 - 130
d9-N-EtFOSE-M	78.3		10 - 130
d5-NEtPFOSA	75.7		10 - 130
d3-NMePFOSA	74.2		10 - 130

Lab Sample ID: LCSD 320-779486/4-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 779486

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanoic acid (PFBA)	128	131		ng/L		102	70 - 140	6	30
Perfluoropentanoic acid (PFPeA)	64.0	63.5		ng/L		99	65 - 135	8	30
Perfluorohexanoic acid (PFHxA)	32.0	31.4		ng/L		98	70 - 145	7	30
Perfluoroheptanoic acid (PFHpA)	32.0	30.1		ng/L		94	70 - 150	6	30
Perfluorooctanoic acid (PFOA)	32.0	29.5		ng/L		92	70 - 150	4	30
Perfluorononanoic acid (PFNA)	32.0	29.3		ng/L		91	70 - 150	9	30
Perfluorodecanoic acid (PFDA)	32.0	32.8		ng/L		102	70 - 140	9	30
Perfluoroundecanoic acid (PFUnA)	32.0	33.5		ng/L		105	70 - 145	11	30
Perfluorododecanoic acid (PFDoA)	32.0	31.5		ng/L		99	70 - 140	13	30
Perfluorotridecanoic acid (PFTriDA)	32.0	35.8		ng/L		112	65 - 140	8	30
Perfluorotetradecanoic acid (PFTeDA)	32.0	34.6		ng/L		108	60 - 140	9	30
Perfluoropentanesulfonic acid (PFPeS)	30.1	29.0		ng/L		96	65 - 140	6	30
Perfluorohexanesulfonic acid (PFHxS)	29.2	33.6		ng/L		115	65 - 145	9	30
Perfluoroheptanesulfonic acid (PFHpS)	30.5	32.4		ng/L		106	70 - 150	3	30
Perfluorooctanesulfonic acid (PFOS)	29.8	29.6		ng/L		99	55 - 150	4	30
Perfluorononanesulfonic acid (PFNS)	30.8	28.9		ng/L		94	65 - 145	0	30
Perfluorodecanesulfonic acid (PFDS)	30.8	27.6		ng/L		90	60 - 145	2	30
Perfluorododecanesulfonic acid (PFDoS)	31.0	27.4		ng/L		88	50 - 145	10	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	139		ng/L		116	70 - 145	8	30

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 320-779486/4-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 779486

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	122	128		ng/L		105	65 - 155	4	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	123	150		ng/L		122	60 - 150	11	30
Perfluorooctanesulfonamide (PFOSA)	32.0	27.0		ng/L		84	70 - 145	10	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	32.0	31.0		ng/L		97	60 - 150	7	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	32.0	32.3		ng/L		101	65 - 145	10	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	32.0	30.4		ng/L		95	50 - 140	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	32.0	29.0		ng/L		91	70 - 145	5	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	320	321		ng/L		100	70 - 145	6	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	320	316		ng/L		99	70 - 135	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	128	135		ng/L		105	70 - 140	12	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	121	156		ng/L		129	65 - 145	8	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	64.0	70.2		ng/L		110	55 - 140	8	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	64.0	60.1		ng/L		94	60 - 150	7	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	64.0	63.6		ng/L		99	50 - 150	9	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	120	137		ng/L		115	70 - 155	3	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	121	146		ng/L		121	55 - 160	7	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	57.1	55.8		ng/L		98	70 - 140	5	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	160	169		ng/L		106	65 - 130	5	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	799	851		ng/L		107	70 - 135	5	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	799	925		ng/L		116	50 - 145	4	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	90.7		5 - 130
13C5 PFPeA	96.1		40 - 130
13C5 PFHxA	93.8		40 - 130
13C4 PFHpA	111		40 - 130
13C8 PFOA	88.0		40 - 130
13C9 PFNA	103		40 - 130
13C6 PFDA	101		40 - 130
13C7 PFUnA	99.1		30 - 130
13C2 PFDoA	99.9		10 - 130
13C2 PFTeDA	86.8		10 - 130

Eurofins Albuquerque



# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 320-779486/4-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 779486

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C3 PFHxS	83.5		40 - 130
13C8 PFOS	92.0		40 - 130
13C8 PFOSA	88.4		40 - 130
d3-NMeFOSAA	105		40 - 170
d5-NEtFOSAA	103		25 - 135
13C2 4:2 FTS	81.3		40 - 200
13C2 6:2 FTS	97.3		40 - 200
13C2 8:2 FTS	86.6		40 - 300
13C3 HFPO-DA	91.8		40 - 130
d7-N-MeFOSE-M	80.2		10 - 130
d9-N-EtFOSE-M	85.0		10 - 130
d5-NEtPFOSA	78.0		10 - 130
d3-NMePFOSA	76.3		10 - 130

Lab Sample ID: LLCS 320-779486/2-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

Analyte	Spike Added	LLCS	LLCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	12.8	11.9		ng/L		93	70 - 140
Perfluoropentanoic acid (PFPeA)	6.40	5.78		ng/L		90	65 - 135
Perfluorohexanoic acid (PFHxA)	3.20	2.86		ng/L		89	70 - 145
Perfluoroheptanoic acid (PFHpA)	3.20	3.01		ng/L		94	70 - 150
Perfluorooctanoic acid (PFOA)	3.20	2.72		ng/L		85	70 - 150
Perfluorononanoic acid (PFNA)	3.20	3.48		ng/L		109	70 - 150
Perfluorodecanoic acid (PFDA)	3.20	2.99		ng/L		93	70 - 140
Perfluoroundecanoic acid (PFUnA)	3.20	3.09		ng/L		97	70 - 145
Perfluorododecanoic acid (PFDoA)	3.20	2.73		ng/L		85	70 - 140
Perfluorotridecanoic acid (PFTrDA)	3.20	3.56		ng/L		111	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	3.20	3.14		ng/L		98	60 - 140
Perfluoropentanesulfonic acid (PFPeS)	3.01	2.46		ng/L		82	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	2.92	3.02		ng/L		104	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.05	3.07		ng/L		101	70 - 150
Perfluorooctanesulfonic acid (PFOS)	2.98	2.68		ng/L		90	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.08	2.94		ng/L		96	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.08	2.72		ng/L		88	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.10	2.46		ng/L		79	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	12.0	13.7		ng/L		114	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	12.2	11.9		ng/L		97	65 - 155

Eurofins Albuquerque

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 320-779486/2-A

Matrix: Water

Analysis Batch: 780306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 779486

Analyte	Spike	LLCS	LLCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	12.3	11.9		ng/L		97	60 - 150
Perfluorooctanesulfonamide (PFOSA)	3.20	2.38		ng/L		74	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	3.20	2.63		ng/L		82	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	3.20	2.84		ng/L		89	65 - 145
N-methylperfluorooctanesulfonamide (NMeFOSA)	3.20	3.00		ng/L		94	50 - 140
N-ethylperfluorooctanesulfonamide (NEtFOSA)	3.20	2.44		ng/L		76	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	32.0	28.4		ng/L		89	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	32.0	29.1		ng/L		91	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	11.5		ng/L		90	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	12.1	13.9		ng/L		115	65 - 145
Perfluoro-3-methoxypropanoic acid (PFMPA)	6.40	6.24		ng/L		98	55 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	6.40	5.41		ng/L		85	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	6.40	5.10		ng/L		80	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	12.0	11.2		ng/L		94	70 - 155
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	12.1	13.3		ng/L		110	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	5.71	4.89		ng/L		86	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	16.0	15.2		ng/L		95	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	79.9	70.5		ng/L		88	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	79.9	85.7		ng/L		107	50 - 145

Isotope Dilution	LLCS	LLCS	Limits
	%Recovery	Qualifier	
13C4 PFBA	95.3		5 - 130
13C5 PFPeA	100		40 - 130
13C5 PFHxA	98.9		40 - 130
13C4 PFHpA	113		40 - 130
13C8 PFOA	99.9		40 - 130
13C9 PFNA	79.9		40 - 130
13C6 PFDA	91.0		40 - 130
13C7 PFUnA	84.8		30 - 130
13C2 PFDoA	85.0		10 - 130
13C2 PFTeDA	84.0		10 - 130
13C3 PFHxS	87.2		40 - 130
13C8 PFOS	98.8		40 - 130

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 320-779486/2-A  
 Matrix: Water  
 Analysis Batch: 780306

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 779486

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C8 PFOSA	99.4		40 - 130
d3-NMeFOSAA	101		40 - 170
d5-NEtFOSAA	103		25 - 135
13C2 4:2 FTS	80.8		40 - 200
13C2 6:2 FTS	106		40 - 200
13C2 8:2 FTS	92.8		40 - 300
13C3 HFPO-DA	92.4		40 - 130
d7-N-MeFOSE-M	89.4		10 - 130
d9-N-EtFOSE-M	91.8		10 - 130
d5-NEtPFOSA	84.5		10 - 130
d3-NMePFOSA	85.9		10 - 130

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA

Lab Sample ID: MB 320-779486/1-A  
 Matrix: Water  
 Analysis Batch: 780601

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 779486

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanesulfonic acid (PFBS) - RA	ND		2.0	0.50	ng/L		07/15/24 11:26	07/17/24 13:53	1

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS - RA	82.7		40 - 135	07/15/24 11:26	07/17/24 13:53	1

Lab Sample ID: LCS 320-779486/3-A  
 Matrix: Water  
 Analysis Batch: 780601

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 779486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C3 PFBS - RA	78.1		40 - 135

Lab Sample ID: LCSD 320-779486/4-A  
 Matrix: Water  
 Analysis Batch: 780601

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 779486

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Perfluorobutanesulfonic acid (PFBS) - RA	28.4	28.9		ng/L		102	60 - 145	8	30

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C3 PFBS - RA	75.3		40 - 135

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: Draft-4 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - RA (Continued)

Lab Sample ID: LLCS 320-779486/2-A  
 Matrix: Water  
 Analysis Batch: 780601

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 779486

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS) - RA	2.84	2.50		ng/L		88	60 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C3 PFBS - RA	75.8		40 - 135

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

Lab Sample ID: MB 320-777390/1-A  
 Matrix: Water  
 Analysis Batch: 778376

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 777390

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	ND		20	19	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-2	ND		200	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-3	ND		60	48	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-4	ND		40	24	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-5	ND		200	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-6	ND		200	25	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-7	ND		200	18	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-8	ND		200	26	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-9	ND		200	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-10	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-11	ND		200	150	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-12	ND		400	31	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-13	ND		400	31	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-14	ND		200	70	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-15	ND		40	21	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-16	ND		200	6.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-17	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-18	ND		400	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-19	ND		20	9.4	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-20	ND		400	21	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-21	ND		400	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-22	ND		200	7.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-23	ND		200	8.0	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-24	ND		200	9.6	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-25	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-26	ND		400	9.4	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-27	ND		200	9.7	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-28	ND		400	21	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-29	ND		400	9.4	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-30	ND		400	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-31	ND		200	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-32	ND		200	9.6	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-33	ND		400	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-34	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-35	ND		200	8.1	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-36	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID: MB 320-777390/1-A**  
**Matrix: Water**  
**Analysis Batch: 778376**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 777390**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-37	ND		20	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-38	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-39	ND		200	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-40	ND		400	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-41	ND		200	8.4	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-42	ND		200	8.2	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-43	ND		200	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-44	ND		600	35	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-45	ND		400	7.7	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-46	ND		200	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-47	ND		600	35	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-48	ND		200	9.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-49	ND		400	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-50	ND		400	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-51	ND		400	7.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-52	ND		200	25	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-53	ND		400	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-54	ND		20	8.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-55	ND		200	7.6	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-56	ND		200	6.6	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-57	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-58	ND		200	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-59	ND		600	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-60	ND		200	9.5	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-61	ND		800	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-62	ND		600	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-63	ND		200	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-64	ND		200	9.4	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-65	ND		600	35	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-66	ND		200	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-67	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-68	ND		200	9.2	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-69	ND		400	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-70	ND		800	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-71	ND		400	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-72	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-73	ND		200	5.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-74	ND		800	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-75	ND		600	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-76	ND		800	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-77	ND		20	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-78	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-79	ND		200	8.1	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-80	ND		200	8.1	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-81	ND		20	17	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-82	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-83	ND		400	9.4	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-84	ND		200	9.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-85	ND		600	16	pg/L		07/08/24 12:40	07/12/24 01:41	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID: MB 320-777390/1-A**  
**Matrix: Water**  
**Analysis Batch: 778376**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 777390**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-86	ND		1200	29	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-87	ND		1200	29	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-88	ND		400	8.9	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-89	ND		200	8.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-90	ND		600	17	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-91	ND		400	8.9	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-92	ND		200	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-93	ND		400	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-94	ND		200	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-95	ND		200	31	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-96	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-97	ND		1200	29	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-98	ND		400	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-99	ND		400	8.0	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-100	ND		400	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-101	ND		600	17	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-102	ND		400	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-103	ND		200	8.7	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-104	ND		20	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-105	ND		20	9.2	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-106	ND		200	8.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-107	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-108	ND		400	29	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-109	ND		1200	5.0	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-110	ND		400	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-111	ND		200	8.7	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-112	ND		200	6.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-113	ND		600	17	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-114	ND		20	7.7	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-115	ND		400	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-116	ND		600	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-117	ND		600	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-118	ND		20	8.9	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-119	ND		1200	29	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-120	ND		200	5.6	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-121	ND		200	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-122	ND		200	8.1	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-123	ND		20	9.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-124	ND		400	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-125	ND		1200	29	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-126	ND		20	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-127	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-128	ND		400	9.9	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-129	ND		800	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-130	ND		200	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-131	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-132	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-133	ND		200	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-134	ND		400	15	pg/L		07/08/24 12:40	07/12/24 01:41	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID: MB 320-777390/1-A**  
**Matrix: Water**  
**Analysis Batch: 778376**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 777390**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-135	ND		400	9.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-136	ND		200	6.1	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-137	ND		200	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-138	ND		800	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-139	ND		400	9.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-140	ND		400	9.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-141	ND		200	7.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-142	ND		200	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-143	ND		400	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-144	ND		200	6.2	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-145	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-146	ND		200	7.2	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-147	ND		400	9.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-148	ND		200	6.6	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-149	ND		400	9.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-150	ND		200	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-151	ND		400	9.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-152	ND		200	5.5	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-153	ND		400	9.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-154	ND		200	5.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-155	ND		20	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-156	ND		40	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-157	ND		40	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-158	ND		200	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-159	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-160	ND		800	7.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-161	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-162	ND		200	9.0	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-163	ND		800	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-164	ND		200	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-165	ND		200	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-166	ND		400	9.9	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-167	ND		20	7.7	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-168	ND		400	9.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-169	ND		20	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-170	ND		200	19	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-171	ND		400	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-172	ND		200	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-173	ND		400	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-174	ND		200	17	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-175	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-176	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-177	ND		200	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-178	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-179	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-180	ND		400	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-181	ND		200	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-182	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-183	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 320-777390/1-A  
 Matrix: Water  
 Analysis Batch: 778376

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 777390

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-184	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-185	ND		200	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-186	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-187	ND		200	19	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-188	ND		20	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-189	ND		20	16	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-190	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-191	ND		200	20	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-192	ND		200	17	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-193	ND		400	10	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-194	ND		200	8.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-195	ND		200	18	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-196	ND		200	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-197	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-198	ND		400	7.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-199	ND		400	7.8	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-200	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-201	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-202	ND		20	11	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-203	ND		200	14	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-204	ND		200	13	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-205	ND		20	15	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-206	ND		20	8.3	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-207	ND		200	5.4	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-208	ND		20	12	pg/L		07/08/24 12:40	07/12/24 01:41	1
PCB-209	ND		20	11	pg/L		07/08/24 12:40	07/12/24 01:41	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
PCB-1L	74		15 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-3L	75		15 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-4L	68		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-15L	80		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-19L	79		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-37L	77		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-54L	68		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-77L	88		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-81L	89		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-104L	64		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-105L	80		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-114L	77		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-118L	80		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-123L	80		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-126L	84		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-155L	73		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-156L	107		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-156L/157L	107		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-157L	107		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-167L	106		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-169L	110		25 - 150	07/08/24 12:40	07/12/24 01:41	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID: MB 320-777390/1-A**  
**Matrix: Water**  
**Analysis Batch: 778376**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 777390**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
PCB-188L	58		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-189L	70		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-202L	61		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-205L	75		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-206L	65		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-208L	60		25 - 150	07/08/24 12:40	07/12/24 01:41	1
PCB-209L	62		25 - 150	07/08/24 12:40	07/12/24 01:41	1
Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
PCB-28L	80		30 - 135	07/08/24 12:40	07/12/24 01:41	1
PCB-111L	85		30 - 135	07/08/24 12:40	07/12/24 01:41	1
PCB-178L	98		30 - 135	07/08/24 12:40	07/12/24 01:41	1

**Lab Sample ID: LCS 320-777390/2-A**  
**Matrix: Water**  
**Analysis Batch: 778376**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 777390**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-3	2000	1860		pg/L		93	50 - 150
PCB-4	2000	1830		pg/L		91	50 - 150
PCB-15	2000	1710		pg/L		85	50 - 150
PCB-19	2000	1800		pg/L		90	50 - 150
PCB-37	2000	1970		pg/L		98	50 - 150
PCB-54	2000	1790		pg/L		90	50 - 150
PCB-77	2000	1900		pg/L		95	50 - 150
PCB-81	2000	1980		pg/L		99	50 - 150
PCB-104	2000	2340		pg/L		117	50 - 150
PCB-105	2000	1810		pg/L		90	50 - 150
PCB-114	2000	2250		pg/L		113	50 - 150
PCB-118	2000	2020		pg/L		101	50 - 150
PCB-123	2000	2200		pg/L		110	50 - 150
PCB-126	2000	2130		pg/L		106	50 - 150
PCB-155	2000	2520		pg/L		126	50 - 150
PCB-156	4000	3770		pg/L		94	50 - 150
PCB-157	4000	3770		pg/L		94	50 - 150
PCB-167	2000	1930		pg/L		96	50 - 150
PCB-169	2000	1860		pg/L		93	50 - 150
PCB-188	2000	1870		pg/L		94	50 - 150
PCB-189	2000	1910		pg/L		96	50 - 150
PCB-202	2000	1960		pg/L		98	50 - 150
PCB-205	2000	1990		pg/L		100	50 - 150
PCB-206	2000	1830		pg/L		92	50 - 150
PCB-208	2000	2010		pg/L		100	50 - 150
PCB-209	2000	1780		pg/L		89	50 - 150

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
PCB-1L	74		15 - 140

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID:** LCS 320-777390/2-A  
**Matrix:** Water  
**Analysis Batch:** 778376

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 777390

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
PCB-3L	75		15 - 140
PCB-4L	70		30 - 140
PCB-15L	81		30 - 140
PCB-19L	79		30 - 140
PCB-37L	79		30 - 140
PCB-54L	69		30 - 140
PCB-77L	89		30 - 140
PCB-81L	88		30 - 140
PCB-104L	68		30 - 140
PCB-105L	84		30 - 140
PCB-114L	83		30 - 140
PCB-118L	82		30 - 140
PCB-123L	83		30 - 140
PCB-126L	87		30 - 140
PCB-155L	81		30 - 140
PCB-156L	110		30 - 140
PCB-156L/157L	110		30 - 140
PCB-157L	110		30 - 140
PCB-167L	112		30 - 140
PCB-169L	114		30 - 140
PCB-188L	60		30 - 140
PCB-189L	75		30 - 140
PCB-202L	65		30 - 140
PCB-205L	77		30 - 140
PCB-206L	67		30 - 140
PCB-208L	65		30 - 140
PCB-209L	68		30 - 140

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
PCB-28L	80		40 - 125
PCB-111L	82		40 - 125
PCB-178L	91		40 - 125

**Lab Sample ID:** LCSD 320-777390/3-A  
**Matrix:** Water  
**Analysis Batch:** 778376

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Total/NA  
**Prep Batch:** 777390

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits	RPD	RPD	Limit
PCB-1	2000	1890		pg/L		94	50 - 150	1	50	
PCB-3	2000	1830		pg/L		91	50 - 150	2	50	
PCB-4	2000	1900		pg/L		95	50 - 150	4	50	
PCB-15	2000	1680		pg/L		84	50 - 150	1	50	
PCB-19	2000	1800		pg/L		90	50 - 150	0	50	
PCB-37	2000	1950		pg/L		98	50 - 150	1	50	
PCB-54	2000	1880		pg/L		94	50 - 150	4	50	
PCB-77	2000	1880		pg/L		94	50 - 150	1	50	
PCB-81	2000	2070		pg/L		103	50 - 150	4	50	
PCB-104	2000	2370		pg/L		118	50 - 150	1	50	

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCSD 320-777390/3-A

Matrix: Water

Analysis Batch: 778376

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 777390

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
PCB-105	2000	1860		pg/L		93	50 - 150	3	50	
PCB-114	2000	2140		pg/L		107	50 - 150	5	50	
PCB-118	2000	1920		pg/L		96	50 - 150	5	50	
PCB-123	2000	2170		pg/L		108	50 - 150	1	50	
PCB-126	2000	2080		pg/L		104	50 - 150	2	50	
PCB-155	2000	2640		pg/L		132	50 - 150	5	50	
PCB-156	4000	3740		pg/L		94	50 - 150	1	50	
PCB-157	4000	3740		pg/L		94	50 - 150	1	50	
PCB-167	2000	1900		pg/L		95	50 - 150	2	50	
PCB-169	2000	1950		pg/L		97	50 - 150	5	50	
PCB-188	2000	1910		pg/L		95	50 - 150	2	50	
PCB-189	2000	1910		pg/L		96	50 - 150	0	50	
PCB-202	2000	1970		pg/L		98	50 - 150	0	50	
PCB-205	2000	2080		pg/L		104	50 - 150	4	50	
PCB-206	2000	1730		pg/L		87	50 - 150	5	50	
PCB-208	2000	2020		pg/L		101	50 - 150	1	50	
PCB-209	2000	1800		pg/L		90	50 - 150	1	50	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
PCB-1L	74		15 - 140
PCB-3L	77		15 - 140
PCB-4L	69		30 - 140
PCB-15L	83		30 - 140
PCB-19L	81		30 - 140
PCB-37L	80		30 - 140
PCB-54L	69		30 - 140
PCB-77L	92		30 - 140
PCB-81L	91		30 - 140
PCB-104L	67		30 - 140
PCB-105L	86		30 - 140
PCB-114L	86		30 - 140
PCB-118L	88		30 - 140
PCB-123L	85		30 - 140
PCB-126L	89		30 - 140
PCB-155L	70		30 - 140
PCB-156L	104		30 - 140
PCB-156L/157L	104		30 - 140
PCB-157L	104		30 - 140
PCB-167L	104		30 - 140
PCB-169L	104		30 - 140
PCB-188L	61		30 - 140
PCB-189L	76		30 - 140
PCB-202L	66		30 - 140
PCB-205L	77		30 - 140
PCB-206L	70		30 - 140
PCB-208L	63		30 - 140
PCB-209L	68		30 - 140

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCSD 320-777390/3-A  
 Matrix: Water  
 Analysis Batch: 778376

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 777390

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
PCB-28L	79		40 - 125
PCB-111L	83		40 - 125
PCB-178L	91		40 - 125

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

Lab Sample ID: MRL 885-8057/14  
 Matrix: Water  
 Analysis Batch: 8057

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	0.515	J	mg/L		103	50 - 150
Magnesium	0.500	0.520	J	mg/L		104	50 - 150

Lab Sample ID: MRL 885-8191/13  
 Matrix: Water  
 Analysis Batch: 8191

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	0.548	J	mg/L		110	50 - 150
Magnesium	0.500	0.560	J	mg/L		112	50 - 150

Lab Sample ID: MB 885-7782/1-A  
 Matrix: Water  
 Analysis Batch: 8057

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 7782

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	0.053	mg/L		07/02/24 13:43	07/08/24 09:51	1
Magnesium	ND		1.0	0.033	mg/L		07/02/24 13:43	07/08/24 09:51	1

Lab Sample ID: LCS 885-7782/6-A  
 Matrix: Water  
 Analysis Batch: 8057

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 7782

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	52.5		mg/L		105	85 - 115
Magnesium	50.0	51.7		mg/L		103	85 - 115

Lab Sample ID: LLCS 885-7782/5-A  
 Matrix: Water  
 Analysis Batch: 8057

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 7782

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.524	J	mg/L		105	50 - 150
Magnesium	0.500	0.511	J	mg/L		102	50 - 150



# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID: MB 160-670850/1-A**  
**Matrix: Water**  
**Analysis Batch: 671639**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 670850**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		1.0	0.15	ug/L		07/16/24 15:34	07/19/24 14:22	2

**Lab Sample ID: LCS 160-670850/2-A**  
**Matrix: Water**  
**Analysis Batch: 671639**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 670850**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	1000	963		ug/L		96	85 - 115

**Lab Sample ID: 885-7077-1 MS**  
**Matrix: Water**  
**Analysis Batch: 671639**

**Client Sample ID: RG-North20240626**  
**Prep Type: Total/NA**  
**Prep Batch: 670850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	1.5		1000	993		ug/L		99	70 - 130

**Lab Sample ID: 885-7077-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 671639**

**Client Sample ID: RG-North20240626**  
**Prep Type: Total/NA**  
**Prep Batch: 670850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	1.5		1000	994		ug/L		99	70 - 130	0	20

**Lab Sample ID: 885-7077-2 MS**  
**Matrix: Water**  
**Analysis Batch: 671639**

**Client Sample ID: RG-South20240627**  
**Prep Type: Total/NA**  
**Prep Batch: 670850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Uranium	1.6		1000	1020		ug/L		101	70 - 130

**Lab Sample ID: 885-7077-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 671639**

**Client Sample ID: RG-South20240627**  
**Prep Type: Total/NA**  
**Prep Batch: 670850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Uranium	1.6		1000	1010		ug/L		100	70 - 130	1	20

**Lab Sample ID: MB 885-8085/19**  
**Matrix: Water**  
**Analysis Batch: 8085**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.00050	0.00012	mg/L			07/09/24 09:56	1
Lead	ND		0.00050	0.000083	mg/L			07/09/24 09:56	1

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCS 885-8085/20  
 Matrix: Water  
 Analysis Batch: 8085

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	0.0250	0.0242		mg/L		97	85 - 115
Lead	0.0125	0.0125		mg/L		100	85 - 115

Lab Sample ID: MRL 885-8085/17  
 Matrix: Water  
 Analysis Batch: 8085

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	0.000507		mg/L		101	50 - 150

Lab Sample ID: MRL 885-8085/18  
 Matrix: Water  
 Analysis Batch: 8085

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	0.000476	J	mg/L		95	50 - 150

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

Lab Sample ID: MB 885-7985/1  
 Matrix: Water  
 Analysis Batch: 7985

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			07/08/24 09:19	1

Lab Sample ID: LCS 885-7985/2  
 Matrix: Water  
 Analysis Batch: 7985

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	33.2		mg/L		83	78 - 114

Lab Sample ID: LCSD 885-7985/3  
 Matrix: Water  
 Analysis Batch: 7985

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	36.2		mg/L		91	78 - 114	9	20

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

Lab Sample ID: MB 885-7815/1  
 Matrix: Water  
 Analysis Batch: 7815

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			07/02/24 14:21	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCS 885-7815/2  
 Matrix: Water  
 Analysis Batch: 7815

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	1020		mg/L		102	80 - 120

Lab Sample ID: MB 885-7881/1  
 Matrix: Water  
 Analysis Batch: 7881

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			07/03/24 12:52	1

Lab Sample ID: LCS 885-7881/2  
 Matrix: Water  
 Analysis Batch: 7881

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	999		mg/L		100	80 - 120

## Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-8010/3-A  
 Matrix: Water  
 Analysis Batch: 8585

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 8010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	0.50	mg/L		07/08/24 11:40	07/09/24 12:26	1

Lab Sample ID: LCS 885-8010/5-A  
 Matrix: Water  
 Analysis Batch: 8585

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 8010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	10.0	10.4		mg/L		104	90 - 110

Lab Sample ID: LLCS 885-8010/4-A  
 Matrix: Water  
 Analysis Batch: 8585

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 8010

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.500	0.623		mg/L		125	50 - 150

## Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 885-8218/1-A  
 Matrix: Water  
 Analysis Batch: 8500

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 8218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	0.050	mg/L		07/11/24 08:30	07/16/24 09:23	1

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# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: LCS 885-8218/2-A  
 Matrix: Water  
 Analysis Batch: 8500

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 8218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.239		mg/L		95	90 - 110

Lab Sample ID: MRL 885-8218/7-A  
 Matrix: Water  
 Analysis Batch: 8500

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 8218

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.0500	0.0529		mg/L		106	50 - 150

## Method: 5220D - COD

Lab Sample ID: MB 885-8084/4  
 Matrix: Water  
 Analysis Batch: 8084

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			07/09/24 14:14	1

Lab Sample ID: LCS 885-8084/5  
 Matrix: Water  
 Analysis Batch: 8084

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	511		mg/L		102	90 - 110

Lab Sample ID: MRL 885-8084/6  
 Matrix: Water  
 Analysis Batch: 8084

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	62.6		mg/L		125	50 - 150

Lab Sample ID: MB 885-9076/4  
 Matrix: Water  
 Analysis Batch: 9076

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			07/23/24 14:19	1

Lab Sample ID: LCS 885-9076/5  
 Matrix: Water  
 Analysis Batch: 9076

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	520		mg/L		104	90 - 110

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Method: 5220D - COD (Continued)

Lab Sample ID: MRL 885-9076/6  
 Matrix: Water  
 Analysis Batch: 9076

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 885-7827/1  
 Matrix: Water  
 Analysis Batch: 7827

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			07/02/24 16:35	1

Lab Sample ID: LCSSRM 885-7827/2  
 Matrix: Water  
 Analysis Batch: 7827

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	104		mg/L		104.0	77.1 - 110.0

## Method: SM 4500 H+ B - pH

Lab Sample ID: 885-7077-2 DU  
 Matrix: Water  
 Analysis Batch: 8154

Client Sample ID: RG-South20240627  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.2	HF	8.2		SU		0	20

## Method: SM5210B - BOD, 5 Day

Lab Sample ID: USB 885-7579/1  
 Matrix: Water  
 Analysis Batch: 7579

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			06/28/24 11:05	1

Lab Sample ID: LCS 885-7579/2  
 Matrix: Water  
 Analysis Batch: 7579

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	136	*-	mg/L		69	85 - 115

# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

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

**Lab Sample ID: MB 160-669229/1-A**  
**Matrix: Water**  
**Analysis Batch: 671234**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 669229**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Gross Alpha	0.05317	U	0.636 (2σ+/-)	0.636 (2σ+/-)	3.00	1.19	pCi/L	07/03/24 08:58	07/18/24 17:23	1
Gross Beta	0.3346	U	0.541 (2σ+/-)	0.542 (2σ+/-)	4.00	0.910	pCi/L	07/03/24 08:58	07/18/24 17:23	1

**Lab Sample ID: LCS 160-669229/2-A**  
**Matrix: Water**  
**Analysis Batch: 671234**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 669229**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec
				Uncert. (2σ+/-)					Limits
Gross Alpha	49.5	51.70		7.58 (2σ+/-)	3.00	1.87	pCi/L	104	75 - 125

**Lab Sample ID: LCSB 160-669229/3-A**  
**Matrix: Water**  
**Analysis Batch: 671234**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 669229**

Analyte	Spike Added	LCSB Result	LCSB Qual	Total	RL	MDC	Unit	%Rec	%Rec
				Uncert. (2σ+/-)					Limits
Gross Beta	71.2	68.60		7.38 (2σ+/-)	4.00	0.769	pCi/L	96	75 - 125

**Lab Sample ID: 885-7077-2 MS**  
**Matrix: Water**  
**Analysis Batch: 671234**

**Client Sample ID: RG-South20240627**  
**Prep Type: Total/NA**  
**Prep Batch: 669229**

Analyte	Sample	Sample	Spike Added	MS	MS	Total	RL	MDC	Unit	%Rec	%Rec
	Result	Qual		Result	Qual	Uncert. (2σ+/-)					Limits
Gross Alpha	4.84	G	109	112.0		16.8 (2σ+/-)	3.00	5.42	pCi/L	98	60 - 140

**Lab Sample ID: 885-7077-2 MSBT**  
**Matrix: Water**  
**Analysis Batch: 671234**

**Client Sample ID: RG-South20240627**  
**Prep Type: Total/NA**  
**Prep Batch: 669229**

Analyte	Sample	Sample	Spike Added	MSBT	MSBT	Total	RL	MDC	Unit	%Rec	%Rec
	Result	Qual		Result	Qual	Uncert. (2σ+/-)					Limits
Gross Beta	7.45		156	165.5		17.7 (2σ+/-)	4.00	2.22	pCi/L	101	60 - 140

**Lab Sample ID: 885-7077-2 DU**  
**Matrix: Water**  
**Analysis Batch: 671234**

**Client Sample ID: RG-South20240627**  
**Prep Type: Total/NA**  
**Prep Batch: 669229**

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER	Limit
	Result	Qual		Result	Qual					Uncert. (2σ+/-)	Limit
Gross Alpha	4.84	G	3.147	U G	3.06 (2σ+/-)	3.00	4.81	pCi/L	0.27	1	
Gross Beta	7.45		8.810		2.12 (2σ+/-)	4.00	2.25	pCi/L	0.34	1	



# QC Sample Results

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-7077-1

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

Lab Sample ID: MB 885-7536/1

Matrix: Water

Analysis Batch: 7536

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			06/27/24 17:12	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## GC/MS VOA

### Analysis Batch: 169234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	624.1	
885-7077-2	RG-South20240627	Total/NA	Water	624.1	
MB 860-169234/9	Method Blank	Total/NA	Water	624.1	
LCS 860-169234/3	Lab Control Sample	Total/NA	Water	624.1	
LCSD 860-169234/4	Lab Control Sample Dup	Total/NA	Water	624.1	

## GC/MS Semi VOA

### Prep Batch: 169191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	3511	
885-7077-2	RG-South20240627	Total/NA	Water	3511	

### Analysis Batch: 169359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	625.1	169191

### Analysis Batch: 169694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-2	RG-South20240627	Total/NA	Water	625.1	169191

## GC Semi VOA

### Prep Batch: 169312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	3511	
885-7077-2	RG-South20240627	Total/NA	Water	3511	
MB 860-169312/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-169312/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-169312/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

### Analysis Batch: 169369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	608.3	169312
885-7077-2	RG-South20240627	Total/NA	Water	608.3	169312
MB 860-169312/1-A	Method Blank	Total/NA	Water	608.3	169312
LCS 860-169312/2-A	Lab Control Sample	Total/NA	Water	608.3	169312
LCSD 860-169312/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	169312

### Prep Batch: 169461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	3510C	
885-7077-2	RG-South20240627	Total/NA	Water	3510C	
MB 860-169461/1-A	Method Blank	Total/NA	Water	3510C	
LCS 860-169461/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 860-169461/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 169649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	8081B_LL	169461
885-7077-2	RG-South20240627	Total/NA	Water	8081B_LL	169461
MB 860-169461/1-A	Method Blank	Total/NA	Water	8081B_LL	169461

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# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## GC Semi VOA (Continued)

### Analysis Batch: 169649 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-169461/2-A	Lab Control Sample	Total/NA	Water	8081B_LL	169461
LCSD 860-169461/3-A	Lab Control Sample Dup	Total/NA	Water	8081B_LL	169461

### Prep Batch: 169818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	3511	
885-7077-2	RG-South20240627	Total/NA	Water	3511	
MB 860-169818/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-169818/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-169818/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

### Analysis Batch: 169920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-169818/1-A	Method Blank	Total/NA	Water	608.3	169818
LCS 860-169818/2-A	Lab Control Sample	Total/NA	Water	608.3	169818
LCSD 860-169818/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	169818

### Analysis Batch: 170091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	608.3	169818
885-7077-2	RG-South20240627	Total/NA	Water	608.3	169818

## HPLC/IC

### Analysis Batch: 7687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	300.0	
885-7077-2	RG-South20240627	Total/NA	Water	300.0	
MB 885-7687/10	Method Blank	Total/NA	Water	300.0	
MB 885-7687/58	Method Blank	Total/NA	Water	300.0	
LCS 885-7687/11	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-7687/59	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-7687/9	Lab Control Sample	Total/NA	Water	300.0	

## LCMS

### Prep Batch: 779486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	1633	
885-7077-1 - RA	RG-North20240626	Total/NA	Water	1633	
885-7077-2	RG-South20240627	Total/NA	Water	1633	
885-7077-2 - RA	RG-South20240627	Total/NA	Water	1633	
885-7077-3 - RA	EB-20240627	Total/NA	Water	1633	
885-7077-3	EB-20240627	Total/NA	Water	1633	
MB 320-779486/1-A	Method Blank	Total/NA	Water	1633	
MB 320-779486/1-A - RA	Method Blank	Total/NA	Water	1633	
LCS 320-779486/3-A - RA	Lab Control Sample	Total/NA	Water	1633	
LCS 320-779486/3-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 320-779486/4-A - RA	Lab Control Sample Dup	Total/NA	Water	1633	
LCSD 320-779486/4-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 320-779486/2-A - RA	Lab Control Sample	Total/NA	Water	1633	
LLCS 320-779486/2-A	Lab Control Sample	Total/NA	Water	1633	

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# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-7077-1

## LCMS

### Analysis Batch: 780306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	Draft-4 1633	779486
885-7077-2	RG-South20240627	Total/NA	Water	Draft-4 1633	779486
885-7077-3	EB-20240627	Total/NA	Water	Draft-4 1633	779486
MB 320-779486/1-A	Method Blank	Total/NA	Water	Draft-4 1633	779486
LCS 320-779486/3-A	Lab Control Sample	Total/NA	Water	Draft-4 1633	779486
LCSD 320-779486/4-A	Lab Control Sample Dup	Total/NA	Water	Draft-4 1633	779486
LLCS 320-779486/2-A	Lab Control Sample	Total/NA	Water	Draft-4 1633	779486

### Analysis Batch: 780601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1 - RA	RG-North20240626	Total/NA	Water	Draft-4 1633	779486
885-7077-2 - RA	RG-South20240627	Total/NA	Water	Draft-4 1633	779486
885-7077-3 - RA	EB-20240627	Total/NA	Water	Draft-4 1633	779486
MB 320-779486/1-A - RA	Method Blank	Total/NA	Water	Draft-4 1633	779486
LCS 320-779486/3-A - RA	Lab Control Sample	Total/NA	Water	Draft-4 1633	779486
LCSD 320-779486/4-A - RA	Lab Control Sample Dup	Total/NA	Water	Draft-4 1633	779486
LLCS 320-779486/2-A - RA	Lab Control Sample	Total/NA	Water	Draft-4 1633	779486

## Specialty Organics

### Prep Batch: 777390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	HRMS-Sep	
885-7077-2	RG-South20240627	Total/NA	Water	HRMS-Sep	
MB 320-777390/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-777390/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-777390/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

### Analysis Batch: 778376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	1668A	777390
885-7077-2	RG-South20240627	Total/NA	Water	1668A	777390
MB 320-777390/1-A	Method Blank	Total/NA	Water	1668A	777390
LCS 320-777390/2-A	Lab Control Sample	Total/NA	Water	1668A	777390
LCSD 320-777390/3-A	Lab Control Sample Dup	Total/NA	Water	1668A	777390

## Metals

### Prep Batch: 7782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total Recoverable	Water	200.2	
885-7077-2	RG-South20240627	Total Recoverable	Water	200.2	
MB 885-7782/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-7782/6-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-7782/5-A	Lab Control Sample	Total Recoverable	Water	200.2	

### Analysis Batch: 8057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total Recoverable	Water	200.7 Rev 4.4	7782
885-7077-2	RG-South20240627	Total Recoverable	Water	200.7 Rev 4.4	7782
MB 885-7782/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	7782
LCS 885-7782/6-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	7782

Eurofins Albuquerque

# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## Metals (Continued)

### Analysis Batch: 8057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 885-7782/5-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	7782
MRL 885-8057/14	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

### Analysis Batch: 8085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Dissolved	Water	200.8	
885-7077-2	RG-South20240627	Dissolved	Water	200.8	
MB 885-8085/19	Method Blank	Total/NA	Water	200.8	
LCS 885-8085/20	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-8085/17	Lab Control Sample	Total/NA	Water	200.8	
MRL 885-8085/18	Lab Control Sample	Total/NA	Water	200.8	

### Analysis Batch: 8100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total Recoverable	Water	SM 2340B	
885-7077-2	RG-South20240627	Total Recoverable	Water	SM 2340B	

### Analysis Batch: 8191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total Recoverable	Water	200.7 Rev 4.4	7782
885-7077-2	RG-South20240627	Total Recoverable	Water	200.7 Rev 4.4	7782
MRL 885-8191/13	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

### Prep Batch: 670850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	200.7/200.8	
885-7077-2	RG-South20240627	Total/NA	Water	200.7/200.8	
MB 160-670850/1-A	Method Blank	Total/NA	Water	200.7/200.8	
LCS 160-670850/2-A	Lab Control Sample	Total/NA	Water	200.7/200.8	
885-7077-1 MS	RG-North20240626	Total/NA	Water	200.7/200.8	
885-7077-1 MSD	RG-North20240626	Total/NA	Water	200.7/200.8	
885-7077-2 MS	RG-South20240627	Total/NA	Water	200.7/200.8	
885-7077-2 MSD	RG-South20240627	Total/NA	Water	200.7/200.8	

### Analysis Batch: 671639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	200.8	670850
885-7077-2	RG-South20240627	Total/NA	Water	200.8	670850
MB 160-670850/1-A	Method Blank	Total/NA	Water	200.8	670850
LCS 160-670850/2-A	Lab Control Sample	Total/NA	Water	200.8	670850
885-7077-1 MS	RG-North20240626	Total/NA	Water	200.8	670850
885-7077-1 MSD	RG-North20240626	Total/NA	Water	200.8	670850
885-7077-2 MS	RG-South20240627	Total/NA	Water	200.8	670850
885-7077-2 MSD	RG-South20240627	Total/NA	Water	200.8	670850

## General Chemistry

### Analysis Batch: 7579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	SM5210B	
885-7077-2	RG-South20240627	Total/NA	Water	SM5210B	

Eurofins Albuquerque

# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## General Chemistry (Continued)

### Analysis Batch: 7579 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
USB 885-7579/1	Method Blank	Total/NA	Water	SM5210B	
LCS 885-7579/2	Lab Control Sample	Total/NA	Water	SM5210B	

### Analysis Batch: 7815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	2540C	
MB 885-7815/1	Method Blank	Total/NA	Water	2540C	
LCS 885-7815/2	Lab Control Sample	Total/NA	Water	2540C	

### Analysis Batch: 7827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	SM 2540D	
885-7077-2	RG-South20240627	Total/NA	Water	SM 2540D	
MB 885-7827/1	Method Blank	Total/NA	Water	SM 2540D	
LCSSRM 885-7827/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 7881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-2	RG-South20240627	Total/NA	Water	2540C	
MB 885-7881/1	Method Blank	Total/NA	Water	2540C	
LCS 885-7881/2	Lab Control Sample	Total/NA	Water	2540C	

### Analysis Batch: 7985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	1664B	
885-7077-2	RG-South20240627	Total/NA	Water	1664B	
MB 885-7985/1	Method Blank	Total/NA	Water	1664B	
LCS 885-7985/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 885-7985/3	Lab Control Sample Dup	Total/NA	Water	1664B	

### Prep Batch: 8010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	351.2	
885-7077-2	RG-South20240627	Total/NA	Water	351.2	
MB 885-8010/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-8010/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-8010/4-A	Lab Control Sample	Total/NA	Water	351.2	

### Analysis Batch: 8084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	5220D	
MB 885-8084/4	Method Blank	Total/NA	Water	5220D	
LCS 885-8084/5	Lab Control Sample	Total/NA	Water	5220D	
MRL 885-8084/6	Lab Control Sample	Total/NA	Water	5220D	

### Analysis Batch: 8154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	SM 4500 H+ B	
885-7077-2	RG-South20240627	Total/NA	Water	SM 4500 H+ B	
885-7077-2 DU	RG-South20240627	Total/NA	Water	SM 4500 H+ B	

Eurofins Albuquerque



# QC Association Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-7077-1

## General Chemistry

### Prep Batch: 8218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Dissolved	Water	365.2/365.3/365	
885-7077-1	RG-North20240626	Total/NA	Water	365.2/365.3/365	
885-7077-2	RG-South20240627	Dissolved	Water	365.2/365.3/365	
885-7077-2	RG-South20240627	Total/NA	Water	365.2/365.3/365	
MB 885-8218/1-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-8218/2-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
MRL 885-8218/7-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

### Analysis Batch: 8500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Dissolved	Water	365.1	8218
885-7077-1	RG-North20240626	Total/NA	Water	365.1	8218
885-7077-2	RG-South20240627	Dissolved	Water	365.1	8218
885-7077-2	RG-South20240627	Total/NA	Water	365.1	8218
MB 885-8218/1-A	Method Blank	Total/NA	Water	365.1	8218
LCS 885-8218/2-A	Lab Control Sample	Total/NA	Water	365.1	8218
MRL 885-8218/7-A	Lab Control Sample	Total/NA	Water	365.1	8218

### Analysis Batch: 8585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	351.2	8010
885-7077-2	RG-South20240627	Total/NA	Water	351.2	8010
MB 885-8010/3-A	Method Blank	Total/NA	Water	351.2	8010
LCS 885-8010/5-A	Lab Control Sample	Total/NA	Water	351.2	8010
LLCS 885-8010/4-A	Lab Control Sample	Total/NA	Water	351.2	8010

### Analysis Batch: 9076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-2	RG-South20240627	Total/NA	Water	5220D	
MB 885-9076/4	Method Blank	Total/NA	Water	5220D	
LCS 885-9076/5	Lab Control Sample	Total/NA	Water	5220D	
MRL 885-9076/6	Lab Control Sample	Total/NA	Water	5220D	

## Rad

### Prep Batch: 669229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-1	RG-North20240626	Total/NA	Water	Evaporation	
885-7077-2	RG-South20240627	Total/NA	Water	Evaporation	
MB 160-669229/1-A	Method Blank	Total/NA	Water	Evaporation	
LCS 160-669229/2-A	Lab Control Sample	Total/NA	Water	Evaporation	
LCSB 160-669229/3-A	Lab Control Sample	Total/NA	Water	Evaporation	
885-7077-2 MS	RG-South20240627	Total/NA	Water	Evaporation	
885-7077-2 MSBT	RG-South20240627	Total/NA	Water	Evaporation	
885-7077-2 DU	RG-South20240627	Total/NA	Water	Evaporation	

## Biology

### Analysis Batch: 7536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-7077-2	RG-South20240627	Total/NA	Water	9223B	
MB 885-7536/1	Method Blank	Total/NA	Water	9223B	

Eurofins Albuquerque

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-North20240626**

**Lab Sample ID: 885-7077-1**

Date Collected: 06/26/24 15:05

Matrix: Water

Date Received: 06/27/24 14:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	169234	NA	EET HOU	07/03/24 02:47
Total/NA	Prep	3511			169191	DR	EET HOU	07/02/24 12:40
Total/NA	Analysis	625.1		1	169359	PXS	EET HOU	07/03/24 19:01
Total/NA	Prep	3511			169312	DS	EET HOU	07/02/24 22:42
Total/NA	Analysis	608.3		1	169369	WP	EET HOU	07/03/24 14:47
Total/NA	Prep	3511			169818	DS	EET HOU	07/05/24 21:47
Total/NA	Analysis	608.3		1	170091	WP	EET HOU	07/14/24 13:40
Total/NA	Prep	3510C			169461	BH	EET HOU	07/03/24 13:50
Total/NA	Analysis	8081B_LL		1	169649	WP	EET HOU	07/05/24 11:41
Total/NA	Analysis	300.0		1	7687	JT	EET ALB	06/28/24 11:40
Total/NA	Prep	1633			779486	ATB	EET SAC	07/15/24 11:26
Total/NA	Analysis	Draft-4 1633		1	780306	SS	EET SAC	07/16/24 19:22
Total/NA	Prep	1633	RA		779486	ATB	EET SAC	07/15/24 11:26
Total/NA	Analysis	Draft-4 1633	RA	1	780601	SS	EET SAC	07/17/24 15:03
Total/NA	Prep	HRMS-Sep			777390	BLR	EET SAC	07/08/24 12:40
Total/NA	Analysis	1668A		1	778376	KT	EET SAC	07/12/24 04:49
Total Recoverable	Prep	200.2			7782	TM	EET ALB	07/02/24 13:43
Total Recoverable	Analysis	200.7 Rev 4.4		1	8057	JR	EET ALB	07/08/24 12:07
Total Recoverable	Prep	200.2			7782	TM	EET ALB	07/02/24 13:43
Total Recoverable	Analysis	200.7 Rev 4.4		1	8191	JR	EET ALB	07/10/24 15:01
Dissolved	Analysis	200.8		1	8085	ES	EET ALB	07/09/24 10:31
Total/NA	Prep	200.7/200.8			670850	JSM	EET SL	07/16/24 15:34
Total/NA	Analysis	200.8		2	671639	CGB	EET SL	07/19/24 14:39
Total Recoverable	Analysis	SM 2340B		1	8100	JF	EET ALB	07/09/24 15:25
Total/NA	Analysis	1664B		1	7985	CO	EET ALB	07/08/24 09:19
Total/NA	Analysis	2540C		1	7815	KB	EET ALB	07/02/24 14:21
Total/NA	Prep	351.2			8010	DL	EET ALB	07/08/24 11:40
Total/NA	Analysis	351.2		1	8585	DL	EET ALB	07/09/24 13:01
Dissolved	Prep	365.2/365.3/365			8218	ES	EET ALB	07/11/24 08:30
Dissolved	Analysis	365.1		1	8500	ES	EET ALB	07/16/24 09:32
Total/NA	Prep	365.2/365.3/365			8218	ES	EET ALB	07/11/24 08:30
Total/NA	Analysis	365.1		1	8500	ES	EET ALB	07/16/24 09:30
Total/NA	Analysis	5220D		1	8084	KH	EET ALB	07/09/24 14:14
Total/NA	Analysis	SM 2540D		1	7827	KS	EET ALB	07/02/24 16:35
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 22:21
Total/NA	Analysis	SM5210B		1	7579	CO	EET ALB	06/28/24 11:05
Total/NA	Prep	Evaporation			669229	KAC	EET SL	07/03/24 08:58
Total/NA	Analysis	900.0		1	671146	CMM	EET SL	07/18/24 17:21
Total/NA	Analysis	Gross Alpha Adj		1	671821	FLC	EET SL	07/19/24 14:39

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: RG-South20240627**

**Lab Sample ID: 885-7077-2**

**Date Collected: 06/27/24 13:10**

**Matrix: Water**

**Date Received: 06/27/24 14:37**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	624.1		1	169234	NA	EET HOU	07/03/24 03:08
Total/NA	Prep	3511			169191	DR	EET HOU	07/02/24 12:40
Total/NA	Analysis	625.1		1	169694	EM	EET HOU	07/05/24 15:46
Total/NA	Prep	3511			169312	DS	EET HOU	07/02/24 22:42
Total/NA	Analysis	608.3		1	169369	WP	EET HOU	07/03/24 14:58
Total/NA	Prep	3511			169818	DS	EET HOU	07/05/24 21:47
Total/NA	Analysis	608.3		1	170091	WP	EET HOU	07/14/24 13:51
Total/NA	Prep	3510C			169461	BH	EET HOU	07/03/24 13:50
Total/NA	Analysis	8081B_LL		1	169649	WP	EET HOU	07/05/24 12:10
Total/NA	Analysis	300.0		1	7687	JT	EET ALB	06/28/24 12:29
Total/NA	Prep	1633			779486	ATB	EET SAC	07/15/24 11:26
Total/NA	Analysis	Draft-4 1633		1	780306	SS	EET SAC	07/16/24 19:39
Total/NA	Prep	1633	RA		779486	ATB	EET SAC	07/15/24 11:26
Total/NA	Analysis	Draft-4 1633	RA	1	780601	SS	EET SAC	07/17/24 15:21
Total/NA	Prep	HRMS-Sep			777390	BLR	EET SAC	07/08/24 12:40
Total/NA	Analysis	1668A		1	778376	KT	EET SAC	07/12/24 05:52
Total Recoverable	Prep	200.2			7782	TM	EET ALB	07/02/24 13:43
Total Recoverable	Analysis	200.7 Rev 4.4		1	8057	JR	EET ALB	07/08/24 12:11
Total Recoverable	Prep	200.2			7782	TM	EET ALB	07/02/24 13:43
Total Recoverable	Analysis	200.7 Rev 4.4		1	8191	JR	EET ALB	07/10/24 15:03
Dissolved	Analysis	200.8		1	8085	ES	EET ALB	07/09/24 10:34
Total/NA	Prep	200.7/200.8			670850	JSM	EET SL	07/16/24 15:34
Total/NA	Analysis	200.8		2	671639	CGB	EET SL	07/19/24 15:03
Total Recoverable	Analysis	SM 2340B		1	8100	JF	EET ALB	07/09/24 15:25
Total/NA	Analysis	1664B		1	7985	CO	EET ALB	07/08/24 09:19
Total/NA	Analysis	2540C		1	7881	KS	EET ALB	07/03/24 12:52
Total/NA	Prep	351.2			8010	DL	EET ALB	07/08/24 11:40
Total/NA	Analysis	351.2		1	8585	DL	EET ALB	07/09/24 13:02
Dissolved	Prep	365.2/365.3/365			8218	ES	EET ALB	07/11/24 08:30
Dissolved	Analysis	365.1		1	8500	ES	EET ALB	07/16/24 09:36
Total/NA	Prep	365.2/365.3/365			8218	ES	EET ALB	07/11/24 08:30
Total/NA	Analysis	365.1		1	8500	ES	EET ALB	07/16/24 09:34
Total/NA	Analysis	5220D		1	9076	KH	EET ALB	07/23/24 14:19
Total/NA	Analysis	SM 2540D		1	7827	KS	EET ALB	07/02/24 16:35
Total/NA	Analysis	SM 4500 H+ B		1	8154	DL	EET ALB	07/09/24 22:10
Total/NA	Analysis	SM5210B		1	7579	CO	EET ALB	06/28/24 11:05
Total/NA	Prep	Evaporation			669229	KAC	EET SL	07/03/24 08:58
Total/NA	Analysis	900.0		1	671146	CMM	EET SL	07/18/24 17:21
Total/NA	Analysis	Gross Alpha Adj		1	671821	FLC	EET SL	07/19/24 15:03
Total/NA	Analysis	9223B		1	7536	SS	EET ALB	06/27/24 17:12

# Lab Chronicle

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-7077-1

**Client Sample ID: EB-20240627**

**Lab Sample ID: 885-7077-3**

**Date Collected: 06/27/24 11:50**

**Matrix: Water**

**Date Received: 06/27/24 14:37**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			779486	ATB	EET SAC	07/15/24 11:26
Total/NA	Analysis	Draft-4 1633		1	780306	SS	EET SAC	07/16/24 19:57
Total/NA	Prep	1633	RA		779486	ATB	EET SAC	07/15/24 11:26
Total/NA	Analysis	Draft-4 1633	RA	1	780601	SS	EET SAC	07/17/24 15:38

**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: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## 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	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	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	03-31-25
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	01-29-25
Nevada	State	CA00044	07-31-25
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: Albuquerque Metropolitan Arroyo Flood Control Authority  
 Project/Site: CMC

Job ID: 885-7077-1

## 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	08-31-25
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	05-06-25
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	07-28-24
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24 *
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	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	09-30-24
Massachusetts	State	M-MO054	06-30-25
MI - RadChem Recognition	State	9005	06-30-24 *
Missouri	State	780	06-30-25
Nevada	State	MO00054	07-31-24
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	07-31-24
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	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO00054	07-31-24
Virginia	NELAP	460230	06-14-25
Washington	State	C592	08-30-24

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



# Accreditation/Certification Summary

Client: Albuquerque Metropolitan Arroyo Flood Control Authority  
Project/Site: CMC

Job ID: 885-7077-1

## 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
West Virginia DEP	State	381	10-31-24

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# ANALYTICAL REPORT

July 09, 2024

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3 Tc
4 Ss
5 Cn
6 Sr
7 Qc
8 Gl
9 Al
10 Sc
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## Eurofins - Albuquerque, NM

Sample Delivery Group: L1752635  
 Samples Received: 07/02/2024  
 Project Number:  
 Description:

Report To: Erin Munoz  
 4901 Hawkins NE  
 Albuquerque, NM 87109

Entire Report Reviewed By:

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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# SAMPLE SUMMARY

RG-NORTH20240626 (885-7077-1) L1752635-01 GW						
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 7199	WG2315989	1	07/09/24 03:03	07/09/24 03:03	SET	Mt. Juliet, TN

RG-SOUTH20240627 (885-7077-2) L1752635-02 GW						
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 7199	WG2315989	1	07/09/24 03:14	07/09/24 03:14	SET	Mt. Juliet, TN



# CASE NARRATIVE

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.



Jordan N Zito  
Project Manager

## Sample Delivery Group (SDG) Narrative

The following analysis were performed from an unpreserved, insufficiently or inadequately preserved sample.

<u>Lab Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
<a href="#">L1752635-01</a>	<a href="#">RG-NORTH20240626 (885-7077-1)</a>	7199
<a href="#">L1752635-02</a>	<a href="#">RG-SOUTH20240627 (885-7077-2)</a>	7199



Wet Chemistry by Method 7199

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hexavalent Chromium-Low Level	ND		0.000100	1	07/09/2024 03:03	<a href="#">WG2315989</a>

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Wet Chemistry by Method 7199

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Hexavalent Chromium-Low Level	ND		0.000100	1	07/09/2024 03:14	<a href="#">WG2315989</a>

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Method Blank (MB)

(MB) R4091510-1 07/09/24 02:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Hexavalent Chromium-Low Level	U		0.0000400	0.000100

L1753184-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1753184-04 07/09/24 04:19 • (DUP) R4091510-5 07/09/24 04:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium-Low Level	0.000379	0.000392	1	3.48		20

L1753184-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1753184-16 07/09/24 07:35 • (DUP) R4091510-8 07/09/24 07:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Hexavalent Chromium-Low Level	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

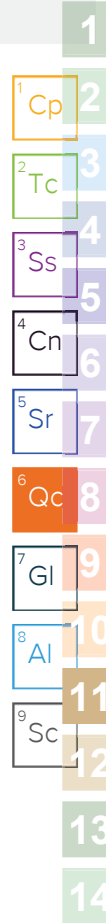
(LCS) R4091510-2 07/09/24 02:47

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Hexavalent Chromium-Low Level	0.00200	0.00206	103	90.0-110	

L1753184-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753184-01 07/09/24 03:25 • (MS) R4091510-3 07/09/24 03:36 • (MSD) R4091510-4 07/09/24 03:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Hexavalent Chromium-Low Level	0.00100	0.000107	0.00108	0.00107	96.9	95.9	1	90.0-110			0.868	20



L1753184-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1753184-14 07/09/24 06:30 • (MS) R4091510-6 07/09/24 07:03 • (MSD) R4091510-7 07/09/24 07:14

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-Low Level	0.00100	ND	0.000978	0.000944	97.8	94.4	1	90.0-110			3.47	20

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- 2 Cp
- 3 Tc
- 4 Ss
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- 6 Cn
- 7 Sr
- 8 Qc
- 9 Gl
- 10 Al
- 11 Sc
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# GLOSSARY OF TERMS

## 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.

# ACCREDITATIONS & LOCATIONS

## 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 <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	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	LA000356
Kentucky <sup>1 6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	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 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> 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.

### Chain of Custody Record



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<b>Client Information (Sub Contract Lab)</b>		Sampler:		Lab PM: Munoz, Erin		Carrier Tracking No(s):		COC No: 885-1125.1																													
Client Contact: Shipping/Receiving		Phone:		E-Mail: Erin.Munoz@et.eurofinsus.com		State of Origin: New Mexico		Page: Page 1 of 1																													
Company: Pace Analytical Services LLC		Due Date Requested: 7/22/2024		Accreditations Required (See note): NELAP - Oregon		Job #: 885-7077-1		Preservation Codes:																													
Address: 12065 Lebanon Road, City: Mount Juliet State, Zip: TN, 37122 Phone: Email:		TAT Requested (days):		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="12">Analysis Requested</th> <th rowspan="2">Total Number of containers</th> </tr> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Perform MS/MSD (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">SUB (Hexavalent Chromium/ Hexavalent Chromium)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td> </tr> </table>						Analysis Requested												Total Number of containers	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Hexavalent Chromium/ Hexavalent Chromium)											Other: <div style="font-size: 2em; font-family: cursive; text-align: center;">LI752635</div>	
Analysis Requested												Total Number of containers																									
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Hexavalent Chromium/ Hexavalent Chromium)																																			
Project Name: CMC		Project #: 88500567																																			
Site:		SSOW#:																																			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Hexavalent Chromium/ Hexavalent Chromium)	Total Number of containers	Special Instructions/Note:
RG-North20240626 (885-7077-1)	6/26/24	15:05 Mountain		Water		X		1	See Attached Instructions 01
RG-South20240627 (885-7077-2)	6/27/24	13:10 Mountain		Water		X		1	See Attached Instructions 02

*AB 07/02/2024*

**DPA 7-27-24 2.3-2.6**      **T771 6011 6559**

Sample Receipt Checklist

Seal Present Intact: X Y N      If Applicable  
 Signed/Accurate: X Y N      VCA Zero Headspaces: X Y N  
 Bottles airtight Intact: X Y N      SDC Correct/Check: X Y N  
 Correct bottles used: X Y N  
 Sufficient volume sent: X Y N  
 RA Screen < 0.5 mR/hr: X Y N

Containers: 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.

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

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: <i>[Signature]</i>	Date/Time: <i>7/1/24 1350</i>		Received by: <i>[Signature]</i>	Date/Time: <i>07/02/2024 0900</i>
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:

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



ICOC No:  
885-1125

**Containers**

<u>Count</u>	<u>Container Type</u>	<u>Preservative</u>
2	Other Client Container - preserved	None

U1752635

**Subcontract Method Instructions**

Sample IDs	Method	Method Description	Method Comments
1, 2	SUBCONTRACT	SUB (Hexavalent Chromium)/ Hexavalent Chromium	CR6

FROM: (505) 345-3975  
SAMPLE RECEIVING  
PACE ANALYTICAL  
12065 Lebanon Road  
MOUNT JULIET TN 37122  
US

CAD: 1717027/INET4730

TO Dez  
Hall Environmental  
4901 Hawkins NE

Albuquerque NM 87109  
(505) 345-3975

(US)

5883.63/26149AE3

REF

INV PO DEPT

RMA:



FedEx Ground



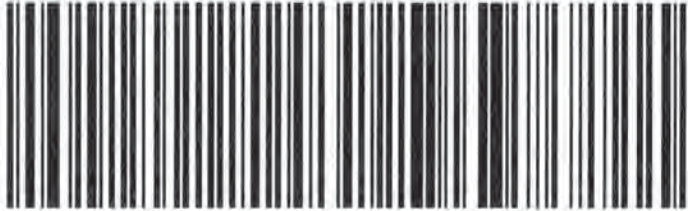
4242024032801uv

TRK# 7771 6011 7007

RETURN

87109

9622 0137 0 (000 000 0000) 0 00 7771 6011 7007



1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

**Note:** To review or print individual labels, select the Label button under each label image above.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on [fedex.com](http://fedex.com). FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

U1752635



# Return Shipment Instructions

61752635



## Return Shipment Instructions

1. Place the shipping label on the container's most visible side away from seams.

2. Ship your package one of three ways:

- Use your regular scheduled pickup.
- Drop off at FedEx. Find your closest location at [fedex.com/locate](https://fedex.com/locate) or by calling 1.800.GoFedEx 1.800.463.3339
- Schedule a pickup. No account number required but label information may be needed. Go to [fedex.com/returnpickup](https://fedex.com/returnpickup) for FedEx Ground labels with "G" or "PRP" or call 1.800.GoFedEx 1.800.463.3339 and say:
  - o "Return Manager" or "PRP" for FedEx Ground labels with "G" or "PRP"
  - o "Express Return" for FedEx Express labels with "E" or "Billable Stamp"

### Prepare Your Package With Care.

- Use an appropriate container, cushioning materials and at least three strips of packing tape.
- If reusing packaging, remove or black out old shipping labels including their barcode(s)

### Special Instructions from the merchant:



# Chain-of-Custody Record

Client: AMA FCA

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

Project #:

Project Manager:  
Patrick Chavez

Sampler: 1 times

On Ice:  Yes  No

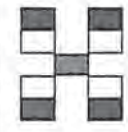
# of Coolers: 2

Cooler Temp (including CF): 10.3 + 0.1 = 10.4 (°C)

Container Type and # 1.8 + 0.1 = 1.9

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



885-7077 COC

### Analysis Request

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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
									<u>See attached list</u>

Page 887 of 976

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
<u>6/26/24</u>	<u>1505</u>	<u>AQ</u>	<u>RG-NORTH 20240626</u>	<u>2L</u>	<u>Various</u>	<u>1</u>
<u>6/27/24</u>	<u>1310</u>	<u> </u>	<u>RG-SOUTH 20240627</u>	<u>2L</u>	<u>Various</u>	<u>2</u>
<u>6/27/24</u>	<u>1150</u>	<u> </u>	<u>EB-20240627</u>	<u>2 bottles</u>	<u>Various</u>	<u>3</u>

Date: <u>6/27/24</u>	Time: <u>1437</u>	Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Via: _____	Date: <u>6/27/24</u>	Time: <u>14:37</u>
Date:	Time:	Relinquished by:	Received by:	Via:	Date:	Time:

Remarks: SEE attached list.

6/27/2024

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

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 <sup>2</sup>	Total	HACH	5100
Gross alpha (adjusted)	NA	Total	Method 900	0.1 pCi/L
Total Dissolved Solids	E1642222 <sup>2</sup>	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	<b>Enumeration</b>		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	

**PFAS**

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3/11/2024

## Appendix F - Minimum Quantification Levels (MQL's)

The following Minimum Quantification Levels (MQL's) are to be used for reporting pollutant data for NPDES permit applications and/or compliance reporting.

POLLUTANTS	MQL µg/l	POLLUTANTS	MQL µg/l
<b>METALS, RADIOACTIVITY, CYANIDE and CHLORINE</b>			
Aluminum	2.5	Molybdenum	10
Antimony	60	Nickel	0.5
Arsenic	0.5	Selenium	5
Barium	100	Silver	0.5
Beryllium	0.5	Thallium	0.5
Boron	100	Uranium	0.1
Cadmium	1	Vanadium	50
Chromium	10	Zinc	20
Cobalt	50	Cyanide	10
Copper	0.5	Cyanide, weak acid dissociable	10
Lead	0.5	Total Residual Chlorine	33
Mercury (*)	0.0005		
	0.005		
<b>DIOXIN</b>			
2,3,7,8-TCDD	0.00001		
<b>VOLATILE COMPOUNDS</b>			
Acrolein	50	1,3-Dichloropropylene	10
Acrylonitrile	20	Ethylbenzene	10
Benzene	10	Methyl Bromide	50
Bromoform	10	Methylene Chloride	20
Carbon Tetrachloride	2	1,1,2,2-Tetrachloroethane	10
Chlorobenzene	10	Tetrachloroethylene	10
Chlorodibromomethane	10	Toluene	10
Chloroform	50	1,2-trans-Dichloroethylene	10
Dichlorobromomethane	10	1,1,2-Trichloroethane	10
1,2-Dichloroethane	10	Trichloroethylene	10
1,1-Dichloroethylene	10	Vinyl Chloride	10
1,2-Dichloropropane	10		
<b>ACID COMPOUNDS</b>			
2-Chlorophenol	10	2,4-Dinitrophenol	50
2,4-Dichlorophenol	10	Pentachlorophenol	5
2,4-Dimethylphenol	10	Phenol	10
4,6-Dinitro-o-Cresol	50	2,4,6-Trichlorophenol	10



POLLUTANTS	MQL µg/l	POLLUTANTS	MQL µg/l
<b>BASE/NEUTRAL</b>			
Acenaphthene	10	Dimethyl Phthalate	10
Anthracene	10	Di-n-Butyl Phthalate	10
Benzidine	50	2,4-Dinitrotoluene	10
Benzo(a)anthracene	5	1,2-Diphenylhydrazine	20
Benzo(a)pyrene	5	Fluoranthene	10
3,4-Benzofluoranthene	10	Fluorene	10
Benzo(k)fluoranthene	5	Hexachlorobenzene	5
Bis(2-chloroethyl)Ether	10	Hexachlorobutadiene	10
Bis(2-chloroisopropyl)Ether	10	Hexachlorocyclopentadiene	10
Bis(2-ethylhexyl)Phthalate	10	Hexachloroethane	20
Butyl Benzyl Phthalate	10	Indeno(1,2,3-cd)Pyrene	5
2-Chloronaphthalene	10	Isophorone	10
Chrysene	5	Nitrobenzene	10
Dibenzo(a,h)anthracene	5	n-Nitrosodimethylamine	50
1,2-Dichlorobenzene	10	n-Nitrosodi-n-Propylamine	20
1,3-Dichlorobenzene	10	n-Nitrosodiphenylamine	20
1,4-Dichlorobenzene	10	Pyrene	10
3,3'-Dichlorobenzidine	5	1,2,4-Trichlorobenzene	10
Diethyl Phthalate	10		
<b>PESTICIDES AND PCBS</b>			
Aldrin	0.01	Beta-Endosulfan	0.02
Alpha-BHC	0.05	Endosulfan sulfate	0.02
Beta-BHC	0.05	Endrin	0.02
Gamma-BHC	0.05	Endrin Aldehyde	0.1
Chlordane	0.2	Heptachlor	0.01
4,4'-DDT and derivatives	0.02	Heptachlor Epoxide	0.01
Dieldrin	0.02	PCBs **	0.2
Alpha-Endosulfan	0.01	Toxaphene	0.3

(MQL's Revised November 1, 2007)

(\*) Default MQL for Mercury is 0.005 unless Part I of your permit requires the more sensitive Method 1631 (Oxidation / Purge and Trap / Cold vapor Atomic Fluorescence Spectrometry), then the MQL shall be 0.0005.

(\*\*) EPA Method 1668 should be utilized when PCB water column monitoring is conducted to determine compliance with permit requirements. Either the Arochlor test (EPA Method 8082) or USGS test method (8093) may be utilized for purposes of sediment sampling as part of a screening program, but must use EPA Method 1668 (latest revision) for confirmation and determination of specific PCB levels at that location.

Eurofins Albuquerque

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

Chain of Custody Record



Client Information (Sub Contract Lab), Analysis Requested, Sample Identification - Client ID (Lab ID), Sample Disposal, Relinquished by, Custody Seals Intact, Cooler Temperature(s) °C and Other Remarks.





# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Sampler:	Lab PM: Munoz, Erin	Carrier Tracking No(s):	COC No: 885-1126.1		
Client Contact: Shipping/Receiving		Phone:	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 #: 885-7077 1		
Address: 880 Riverside Parkway		Due Date Requested: 7/25/2024		<b>Analysis Requested</b>			
City: West Sacramento		TAT Requested (days):					
State, Zip: CA, 95605		PO #:					
Phone: 916-373-5600(Tel) 916-372-1059(Fax)		WO #:					
Email:		Project #: 88500567		<b>Preservation Codes</b>			
Project Name: CMC		SSOW#:					
Site:		Field Filtered Sample (Yes or No)					
		Perform MS/MSD (Yes or No)					
		1633/1633_SPE EPA 1633 Method List					
		1668A/HRMS_Sep_P Full List (209)		<b>Total Number of containers</b>			
				<b>Other</b>			
				<b>Special Instructions/Note</b>			
<b>Sample Identification Client ID (Lab ID)</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=Comp, G=grab)</b>	<b>Matrix (W=water, S=soil, O=waste/oil, BT=Tissue, A=Air)</b>		
				<b>Preservation Code:</b>			
RG-North20240626 (885-7077 1)		6/26/24	15:05 Mountain	Water	X	X	4
RG-South20240627 (885-7077-2)		6/27/24	13:10 Mountain	Water	X	X	4
EB-20240627 (885-7077-3)		6/27/24	11:50 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.

<b>Possible Hazard Identification</b>		<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>	
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 7/1/24 1405	Company:	Received by: <i>[Signature]</i>
Relinquished by:		Date/Time:	Company:	Received by: <i>[Signature]</i>
Relinquished by:		Date/Time:	Company:	Received by:

Custody Seals Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Custody Seal No. <i>[Handwritten]</i>	Cooler Temperature(s) °C and Other Remarks: <i>[Handwritten]</i>
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7/31/2024







Environment Testing

Sacramento Sample Receiving Notes (SSRN)

Tracking # 777160373090

Job \_\_\_\_\_



885-7077 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 E11 Corr Factor (+/-) \_\_\_\_\_ °C

Ice \_\_\_\_\_ Wet \_\_\_\_\_ Gel 1 Other \_\_\_\_\_

Cooler Custody Seal: Seal

Cooler ID: \_\_\_\_\_

Temp Observed 3.4 °C Corrected 3.4 °C  
From Temp Blank  Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cooler Temperature is acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Initials: <u>[Signature]</u>	Date: <u>7.2.24</u>		

Unpacking/Labeling The Samples	Yes	No	NA
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COC is complete w/o discrepancies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample date/times are provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the Field Sampler's name on COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samples w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perchlorate has headspace? (Methods 314, 337, 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: [Signature] Date: 7.2.24

Notes \_\_\_\_\_

Trizma Lot #(s) 0000279288

Ammonium

Acetate Lot #(s) \_\_\_\_\_

Login Completion	Yes	No	NA
Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samples received within hold time?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Log Release checked in TALS?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initials: [Signature] Date: 7.2.24

WF 2 23B

## Login Sample Receipt Checklist

Client: Albuquerque Metropolitan Arroyo Flood Control Authority

Job Number: 885-7077-1

**Login Number: 7077**

**List Number: 1**

**Creator: Cason, Cheyenne**

**List Source: Eurofins Albuquerque**

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?	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: 885-7077-1

**Login Number: 7077**

**List Number: 2**

**Creator: Torrez, Lisandra**

**List Source: Eurofins Houston**

**List Creation: 07/02/24 10:56 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: 885-7077-1

**Login Number: 7077**

**List Number: 4**

**Creator: Simmons, Jason C**

**List Source: Eurofins Sacramento**

**List Creation: 07/02/24 12:15 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	3.4c
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: 885-7077-1

**Login Number: 7077**

**List Number: 3**

**Creator: Pinette, Meadow L**

**List Source: Eurofins St. Louis**

**List Creation: 07/02/24 01:31 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 1.1 Water Quality Sample Data Verification and Validation Worksheet**

**Study Name:** Compliance Monitoring Cooperative (CMC)

**Year:** FY 2024 (December 2023 – Dry Season Sample)

**Project Coordinator:** For Data Review and Reporting – SJG, BHI

**V&V Reviewer:** SJG

**Data covered by this worksheet:** Alameda – 12/13/2023– 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: SJJ* *Date: 2/6/2024*

**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: SJJ* *Date: 2/6/2024*

**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: 2/6/2024*

**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: 2/6/2024*

**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: SJK Date: 2/6/2024*

**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: SJK Date: 2/6/2024*

**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: 2/6/2024*

\*\*\*\*\*

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



2/6/24

\_\_\_\_\_  
 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 2024 (December 2023 – Dry Season Sample)

**Project Coordinator:** For Data Review and Reporting – SJG, BHI

**V&V Reviewer:** SJG

**Data covered by this worksheet:** Rio Grande North – 12/13/2023

**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: SJK* *Date: 12/12/2024*

**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?

Total number of occurrences: 0

**Step 2 Completed** *Initials: SJJ Date: 2/12/2024*

**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: SJJ Date: 2/12/2024*

**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	12/13/2023	Lab report lists two Total Phosphorous results and the dissolved	BHI emailed AMAFCA on 2/7/24 and added note to the lab report.

		and total are not clear in the reporting.	
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Eurofins lab report number 2312898.

**Total number of occurrences: 1**

**Step 4 Completed** *Initials: SJK Date: 2/12/2024*

**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: SJK Date: 2/12/2024*

**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.



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: 0**

**Step 6 Completed** *Initials: SJJ* *Date: 2/12/2024*

**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?*

**Total number of occurrences: 0**

**Step 7 Completed** *Initials: SJJ* *Date: 2/12/2024*

\*\*\*\*\*

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



2/12/24

\_\_\_\_\_  
 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 2024 (December 2023 – Dry Season Sample)

**Project Coordinator:** For Data Review and Reporting – SJG, BHI

**V&V Reviewer:** SJG

**Data covered by this worksheet:** Rio Grande South – 12/14/2023

**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: SJK Date: 2/12/2024*

**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: SJK Date: 2/12/2024*

**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: SJK Date: 2/12/2024*

**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	12/14/2023	Lab report lists two Total Phosphorous results and the dissolved	BHI emailed AMAFCA on 2/7/24 and BHI added note to the lab report.



		and total are not clear in the reporting.	
Rio Grande South	<u>12/14/2023</u>	Lab report has mis-labeled the Rio Grande South Semivolatiles data as Rio Grande North.	BHI emailed AMAFCA on 2/7/24 to ask that they clarify this with the lab and BHI added note to the lab report.

\*Note – Eurofins lab report number 2312898.

**Total number of occurrences: 2**

**Step 4 Completed** *Initials: SJG Date: 2/12/2024*

**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: 2/12/2024*

**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: SJJ Date: 2/12/2024*

**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?*

**Total number of occurrences: 0**

**Step 7 Completed** *Initials: SJJ Date: 2/12/2024*

\*\*\*\*\*

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



2/12/24

\_\_\_\_\_  
 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.

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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 2024 (June 2024 – Dry Season Sample)

**Project Coordinator:** For Data Review and Reporting – SJG, BHI

**V&V Reviewer:** SJG

**Data covered by this worksheet:** Rio Grande South – 6/27/2024

**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: SJK Date: 8/23/2024*

**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.		

Step 2 Completed *Initials: SJK Date: 8/23/2024*



**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: 8/23/2024

**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	6/27/2024	DO field data, collection protocol may have resulted in low DO reading.	Have reached out to the sampler there was a delay during sampling that could account for the low DO reading.
Rio Grande South	6/27/2024	Lab report did not include results for Ammonia (mg/L as N)	Notified AMAFCA (CMC member) of the missing parameter.

Rio Grande South	6/27/2024	Lab report did not include results for Benzo[a]pyrene	Notified AMAFCA (CMC member) of the missing parameter.
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\*Note – Eurofins Job ID: 885-7077-1.

**Total number of occurrences: 3**

**Step 4 Completed** *Initials: SJJ Date: 8/23/2024*

**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: SJJ Date: 8/23/2024*

**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	6/27/2024	Tetrahydrofuran		yes	H	Yes
Rio Grande South	6/27/2024	Dieldrin		yes	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: SJJ Date: 8/23/2024*

**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	6/27/2024	Dieldrin		yes	*+
Rio Grande South	Lab Duplicate	Lab Duplicate	6/27/2024	5 Semivolatile Organic Compounds		yes	*+

**Total number of occurrences: 6**

**Step 7 Completed** *Initials: SJJ Date: 8/23/2024*

\*\*\*\*\*

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



8/23/2024

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 2024 (June 2024 – 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 – 6/26/2024

**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: SJJ Date: 8/21/2024*

**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: SJJ Date: 8/21/2024*

**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: 8/21/2024

-----  
**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	6/26/2024	DO field data, collection protocol may have resulted in low DO reading.	Have reached out to the sampler there was a delay during sampling that could account for the low DO reading.
Rio Grande North	6/26/2024	Lab report did not include results for Ammonia (mg/L as N)	Notified AMAFCA (CMC member) of the missing parameter.
Rio Grande North	6/26/2024	Lab report did not include results for Benzo[a]pyrene	Notified AMAFCA (CMC member) of the missing parameter.

Eurofins Job ID: 885-7077-1.

**Total number of occurrences: 3**

**Step 4 Completed** *Initials: SJK Date: 8/21/2024*

**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: SJK Date: 8/21/2024*

**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	6/26/2024	Tetrahydrofuran		yes	H	Yes
Rio Grande North	6/26/2024	Dieldrin		yes	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: 8/21/2024*

**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	6/26/2024	Dieldrin		yes	*+
Rio Grande North	Lab Duplicate	Lab Duplicate	6/26/2024	5 Semivolatile Organic Compounds		yes	*+

**Total number of occurrences: 6**

**Step 7 Completed** *Initials: SJG Date: 8/21/2024*

\*\*\*\*\*

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



8/21/2024

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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 2024 (June 2024 – Dry Season Sample)

**Project Coordinator:** For Data Review and Reporting – SJG, BHI

**V&V Reviewer:** SJG

**Data covered by this worksheet:** Alameda – 6/26/2024– 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: SJJ Date: 8/13/2024*

**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: SJJ Date: 8/13/2024*

**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: 8/13/2024

**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
	6/26/2024	DO field data, collection protocol may have resulted in low DO reading.	Have reached out to the sampler to determine if there were any issues during sampling that could account for the low DO reading.

**Total number of occurrences: 1**

**Step 4 Completed** *Initials: SJJ Date: 8/13/2024*

**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: SJJ Date: 8/13/2024*

**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: SJJ Date: 8/13/2024*

**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: SJK Date: 8/13/2024*

\*\*\*\*\*

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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



8/13/24

\_\_\_\_\_  
Data Verifier/Validator Signature

\_\_\_\_\_  
Date

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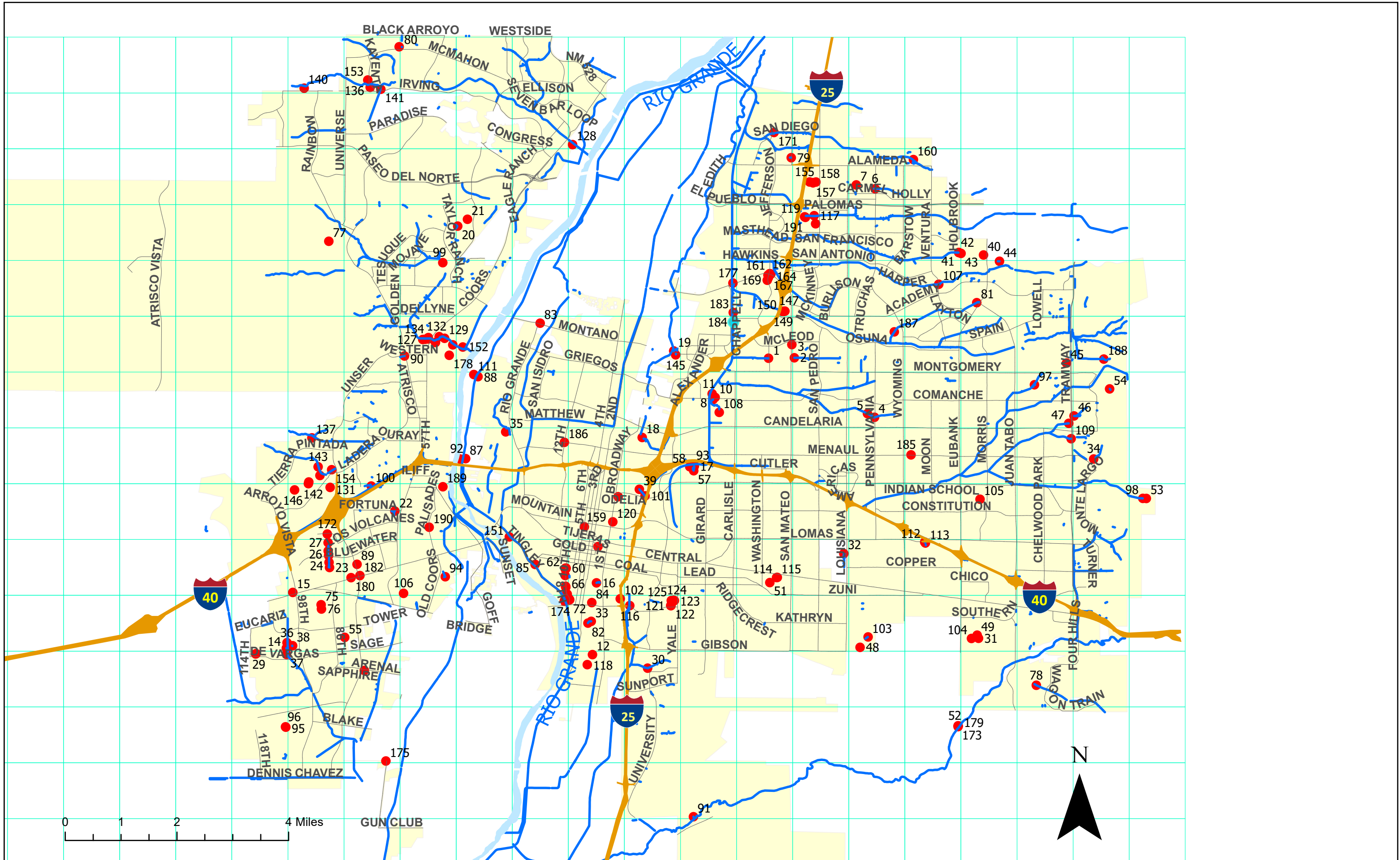
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R1	Rejected due to incorrect sample preservation	R
R2	Rejected due to equipment failure in the field	R
R3	Rejected based on best professional judgment	R
D1	Spike recovery not within method acceptance limits	
F1	Sample filter time exceeded	
J1	Estimated: 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 2**  
**List and Map of COA**  
**Stormwater Quality Features**





**STORMWATER QUALITY FEATURES 2023**

# LIST OF STORMWATER QUALITY FEATUR

ID	MAP KEY	LOCATION	STRUCTURE NAME
1	f17	JEFFERSON 0.25 M N MONTGOMERY	SECURITY RACK
2	f18	SAN MATEO 0.25 M N MONGOMERY	SECURITY RACK
3	f17	SAN MATEO 0.1 M S MCLEOD	SECURITY RACK
4	g19	PENNSYLVANIA 0.2 M N CANDELARIA	SECURITY RACK
5	g19	AZTEC 0.1 M W PENSYLVANIA	SECURITY RACK
6	c19	WYOMING 0.25 M N PASEO DEL NORTE	trash rack
7	c19	0.2 M SE LOUISIANA AND CORONA	SECURITY RACK
8	g16	0.1 M SW COMANCHE AND BRYN MAWR	trash rack
9	g16	0.2 M NW COMANCHE AND BRYN MAWR	SECURITY RACK
10	g16	0.1 M NW COMANCHE AND BRYN MAWR	SECURITY RACK
11	g16	0.15 M NW COMANCHE AND BRYN MAWR	trash rack
12	m14	Mechem Pond Conc-Box	concrete box spillway
13	m10	0.1 M SE ARENAL AND UNSER	trash rack
14	l08	0.1 M NE 102ND ST AND PEACOCK	SECURITY RACK
15	k09	0.1 M NW CENTRAL AND 98TH ST	trash rack
16	k14	0.1 M SW BROADWAY AND HAZELDINE SW	concrete box spillway
17	h16	CUTLER AND PRINCETON PS inlet	trash rack
18	h15	0.25 M SE CANDELARIA AND EDITH	trash rack
19	f15	0.25 M NE MONTANO AND EDITH	trash rack
20	d12	PRIMROSE AND FIREWHEEL	trash rack
21	d12	0.2 M SW GOLF COURSE AND BUTTERFIELD	trash rack
22	j10	0.1 M SW COORS AND FORTUNA	trash rack
23	k09	0.5 M SW UNSER AND BLUEWATER	ported riser
24	k09	0.4 M SW UNSER AND BLUEWATER	ported riser
25	k09	BLUEWATER 0.4 M W UNSER	ported riser
26	k09	0.4 M NW UNSER AND BLUEWATER	ported riser
27	k09	0.5 M NW UNSER AND BLUEWATER	ported riser
28	m08	TEAL AND OSPREY-small	SECURITY RACK
29	m08	TEAL AND OSPREY	SECURITY RACK
30	m15	0.1 M SW UNIVERSITY AND SAN JOSE	SECURITY RACK
31	l21	0.5 M SE EUBANK AND SOUTHERN	trash rack
32	k18	Expo NM Pond at LOMAS AND LOUISIANA	Ported Riser
33	l14	WILLIAM AND KATHRYN	SECURITY RACK
34	h23	PIEDRALISA DAM at 0.2 M NE MENAUL AND	ported riser
35	h12	LOS ANAYAS AND LOS LUCEROS	trash rack
36	l08	SE HACKAMORE AND HALTER	trash rack
37	m08	NE PEACOCK AND TEAL	trash rack
38	l09	TERRACOTTA AND MALACHITE	trash rack
39	j15	NE ODELIA AND LOCUST	ported riser
40	d21	NW EUBANK AND SANTA MONICA	ported riser
41	d20	0.1 M S HOLBROOK AND FREEDOM-north	SECURITY RACK
42	d20	0.1 M S HOLBROOK AND FREEDOM-south	SECURITY RACK
43	d20	0.1 M SW QUINTESENCE AND TOULON	trash rack
44	e21	SAN ANTONIO 0.2 M E EUBANK	SECURITY RACK

<b>ID</b>	<b>MAP KEY</b>	<b>LOCATION</b>	<b>STRUCTURE NAME</b>
45	f22	EASEMENT NEXT TO HOUSE# 4800 OAHU NE	trash rack
46	g23	TRAMWAY 0.25 M N CANDELARIA	trash rack
47	g22	TRAMWAY 0.1 M N CANDELARIA	security rack
48	l19	KAFB DET DAM AT LOUISIANA AND GIBSON	trash rack
49	l21	Manzano mesa pond-north rack	trash rack
50	k13	NW 8TH ST AND ATLANTIC	trash rack
51	k17	NE COAL AND JEFFERSON	trash rack
52	n20	EUBANK 1.25 M S GIBSON	security rack
53	j24	0.4 M E INDIAN SCHOOL AND HAINES	ported riser
54	g23	0.1 M SE HIDDEN VALLEY AND DEER TRAIL	trash rack
55	l10	SE TOWER AND 86TH ST	bee hive trash rack
56	l13	0.2 M NW BRIDGE AND 8TH ST	security rack
57	h16	PRINCETON AND CUTLER	trash rack
58	h16	200 FT NORTH OF CUTLER AND PRINCETON N	trash rack
59	k13	8th west of 717 stover sw	Inlets with Trash Screen
60	k13	8th st sw west of 717 stover sw	Inlets with Trash Screen
61	k13	8th east of 801 stover sw	Inlets with Trash Screen
62	k13	801 stover sw	Inlets with Trash Screen
63	k13	800 stover sw	Inlets with Trash Screen
64	k13	8th east of 800 stover sw	Inlets with Trash Screen
65	k13	8th west of 724 stover sw	Inlets with Trash Screen
66	k13	8th east of 800 pacific sw	Inlets with Trash Screen
67	k13	800 pacific sw	Inlets with Trash Screen
68	k13	pacific s of 1017 8th sw	Inlets with Trash Screen
69	k13	806 Marquez sw	Inlets with Trash Screen
70	k13	Marquez south of 1223 8th sw	Inlet with Trash Screen
71	k13	1304 8th sw	Inlet with Trash Screen
72	l14	1412 8th sw	Inlet with Trash Screen
73	l14	1411 8th sw	Inlet with Trash Screen
74	l14	1407 8th sw	Inlet with Trash Screen
75	l09	90th st se, 150 ft south of sunset gardens se	Trash Screen
76	l09	90th st se, 550 ft south of sunset gardens se	Trash Screen
77	d09	8501 Groundsel nw	Trash Screen
78	m22	four hills arroyo at sage brush	Trash Screen
79	c17	5117 blue sage ne ( and san mateo )	Security Rack
80	a10	6200 Nueva Espana nw	Trash Screen
81	e21	Academy hills park-Eubank and Juan Tabo	Trash Screen
82	l14	ported riser inside William-Kathryn pond	ported riser
83	f13	PS 47 Rio Grande BLVD - Montanio	MECHANICAL TRASH RA
84	l14	101 bell at commercial-ps 37 mech bar scree	MECHANICAL TRASH RA
85	k13	900 ALCALDE SW PS 41 mech bar screen	MECHANICAL TRASH RA
86	k14	200 1ST ST NW PS 43	MECHANICAL TRASH RA
87	h12	3241 DURANES NW PS 30	mechanical trash rack
88	g12	3001 CANDELARIA NW PS 40	mechanical trash rack
89	k10	UNSER & BLUEWATER	ported riser
90	f11	ladera 16-at atrisco and western trail	trash rack
91	p16	Airport-Tijeras outfall	Security Screen

<b>ID</b>	<b>MAP KEY</b>	<b>LOCATION</b>	<b>STRUCTURE NAME</b>
92	h12	Durance pump-discharge pipe	Security Screen
93	h16	Princeton ps discharge pipes-4 pipes	Security Screen
94	k11	Gonzalez outlet pipe	concrete box
95	n08	sierra sunset park-south 54 in pipe	Trash screen
96	n08	SIERRA SUNSET PARK-NORTH 48 IN PIPE	Trash screen
97	g22	11805 la Charles NE	Security screen
98	j24	Embudo principal spillway pipe-security rack	security rack
99	e11	inside Mariposa pond	hooded riser
100	j10	laurelwood pond	concrete box
101	j15	Odelia-I-25 tunnels	security rack
102	j14	high-lewis outlets	security rack
103	l19	KAFB pond - north inlets	security rack
104	l21	manzano mesa south round trash rack	Stormceptor
105	j21	1609 betts ne	SWQ MH
106	k11	600 Fresam sw	permeable pavement
107	e20	south pino arroyo at ventura	SWQ structure
108	g16	Aztec and Bryn Mawr ne	2 SWQ Inlets
109	h22	piedra lisa arroyo at tramway	Permeable pavers
110	d18	south domingo baca arroyo-west of san pedr	Bio-Swales
111	g12	3001 CANDELARIA PS 40 outfall	security rack
112	k20	I-40-lomas-animal shelter	TRASH RACK
113	k20	los altos park and animal shelter	SECURITY RACK
114	k17	Highland Senior Center at 131 Monroe St NE	SWQF
115	k17	Highland Senior Center at 131 Monroe St NE	SWQF
116	L15	avanida cesar chavez se at I-25	swq-mh
117	d18	pino yard at pino and san pedro	SWQF
118	g16	san jose park at san jose and topeka se	SWQF
119	d18	pino yard at pino and san pedro	SWQF
120	j14	Marble-Arno PS	Mechanical Barscreen
121	l15	sb Buena vista north of avenida cesar chavez	swq-inlet
122	l15	nb Buena vista north of avenida cesar chavez	swq-inlet
123	l15	Bell east of wilmoore	swq-inlet
124	l15	Bell west of wilmoore	swq-inlet
125	l15	Bell east of buena vista	swq-inlet
126	f11	End of McNary	swq-inlet
127	f11	end of Hayden	swq-inlet
128	b14	westside-Riverf Front NW east of coors	swq-inlet
129	f11	Mi Cordelia NW-East of Cordelia R/W by arry	swq-mh
130	f11	Sevilla	swq-mh
131	j9	Parkway-Lynnhaven-Somerset NW	swq-mh
132	f11	sevlla east of calle espana	swq-inlet
133	f11	monte frio north of eduardo	swq-mh
134	f11	costa maresme	swq-mh
135	f11	stafford	swq-mh
136	a10	sierra nevada NW	swq-mh
137	h9	end of mesa rain	swq-mh
138	h9	end of casa vistosa	swq-mh

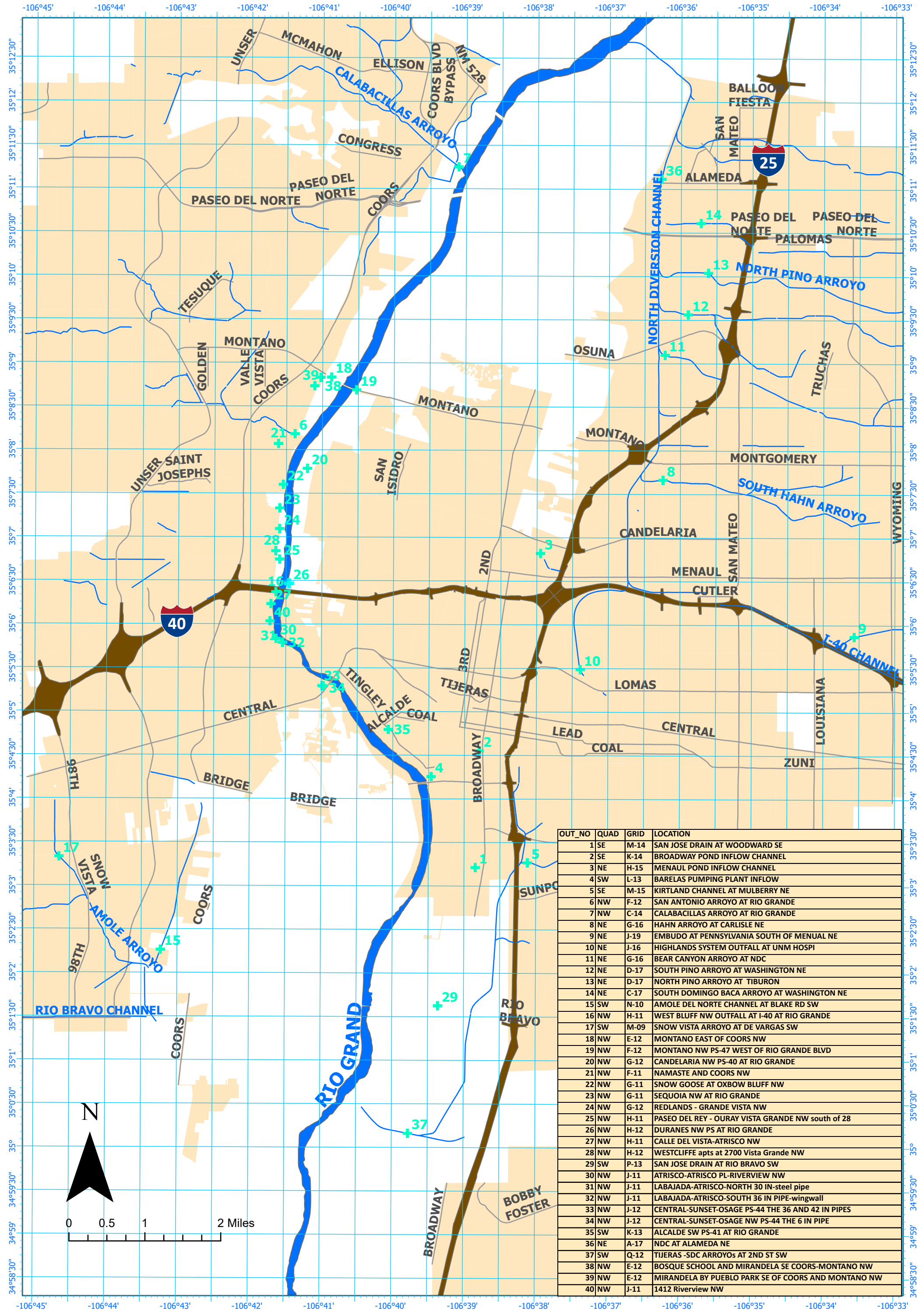
<b>ID</b>	<b>MAP KEY</b>	<b>LOCATION</b>	<b>STRUCTURE NAME</b>
139	h9	casa verde	swq-mh
140	a9	prickly brush	swq-mh
141	a10	pyrenees and Irving NW	swq-inlet
142	h9	casa verde	swq-mh
143	h9	end of eagle river	swq-inlet
144	f15	montano-montbel	PORTED RISER
145	j9	montano-montbel	ported riser
146	j9	summer breeze-stormcloud	swq-mh
147	e17	osuna-san mateo-i-25	swq-mh
148	e17	osuna-san mateo-i-25	swq-mh
149	e17	osuna-san mateo-i-25	swq-mh
150	e17	osuna-san mateo-i-25	swq-mh
151	j12	tingley-central	swq-inlet
152	f12	end of vallebonita	swq-inlet
153	a10	burgos-kayenta NW	swq-mh
154	h9	ladera	swq-mh
155	c18	end of corona	swq-inlet
156	c18	ute south of corona	swq-inlet
157	c18	ute south of corona	swq-inlet
158	c18	corona west of san pedro	swq-inlet
159	j14	ne of fruit and 5th	swq-inlet
160	c20	end of oak ridge	swq-mh
161	e17	ne of osuna and jefferson	swq-inlet
162	e17	ne of osuna and jefferson	swq-inlet
163	e17	ne of osuna and jefferson	swq-inlet
164	e17	ne of osuna and jefferson	swq-inlet
165	e17	se of osuna and jefferson	swq-inlet
166	e17	se of osuna and jefferson	swq-inlet
167	e17	jefferson south of osuna	swq-inlet
168	e17	jefferson south of osuna	swq-inlet
169	e17	jefferson south of osuna	swq-inlet
170	e17	se of osuna and jefferson	swq-inlet
171	b17	san diego west of san mateo	swq-inlet
172	j9	daytona-los volcanes-unser	SWQF
173	n20	Eubank outfall at Tijeras arroyo	SWQF
174	l13	barelas ps screen	TRASH RACK
175	n10	FLORA VISTA and COORS	SWQF
176	j14	AQ pond-end of franciscan	CONC-BOX
177	e16	osuna-ndc	swq-mh
178	f11	end of namaste-rio grande-SWQ-MH	swq-mh
179	n20	EUBANK OUTFALL SWQF	INFILTRATION BED
180	k10	central-sarracino	ported riser
181	k10	ne-nw central-unser	ported riser
182	k10	ne central-unser nw	LID swq inlet
183	e16	ndc north of singer ne	SWQ MH
184	f16	west of commons-midway park ne	SWQ NMDOT type inlet-
185	h20	phoenix and menaul	swq inlet

<b>ID</b>	<b>MAP KEY</b>	<b>LOCATION</b>	<b>STRUCTURE NAME</b>
186	H-13	Menaul and 12TH st NW	SWQ MH
187	F-19	lower bear tributary SWQ facility	trash fences
188	f23	4801 calle de luna ne	TRASH RACK
189	D18	Pino yard pond at 5501 pino ne	SWQ pond lining

**Attachment 3**  
**FY24 Dry Weather Screening**



**Dry Weather Screening  
of Outfalls  
2024  
Report**



# Outfall Locations

# DRY WEATHER OUTFALLS SCREENING 2024

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23	SEQUOIA NW AT RIO GRANDE	NW	G-11	23
24	REDLANDS - GRANDE VISTA NW	NW	G-12	24
25	PASEO DEL REY - OURAY - VISTA GRANDE NW	NW	H-11	25
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LOCATION **SAN JOSE DRAIN AT BETHEL SE**

OUTFALL\_NO **1** QUAD **SE** GRID **M-14** SAMPLED

DATE\_INSP **3/5/2024** TIME **9:00** Inspected by **JA/DL\***

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link [X:\MD\SHARE\MD-Storm\7\\_NPDES\311\\_SWQ\\_Complaints\2024\2 - DW Screening-2023-2024\East\1-M](X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2-DW_Screening-2023-2024\East\1-M)

AIR_TEMP_F	<b>42</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



**1**

\*JA = Javier Ayala, stormwater inspector  
DL = DJ Laskowski, stormwater inspector

LOCATION **BROADWAY POND INFLOW CHANNEL**

OUTFALL\_NO **2** QUAD **SE** GRID **K-14** SAMPLED

DATE\_INSP **3/4/2024** TIME **10:00** Inspected by **KO/ML\***

WEATHER **SUNNY** flow **Y** FLOW\_GPM **0.1**

APPEARANCE **clear** GROSS POLLUTANT **none**

Source of Flow **Irrigation, well wash, fire hydants discharge**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\2-K>

AIR_TEMP_F		Lab	Eurofins
WATER_TEMP_F		Lab_Report	885-1602-1
pH	8.1	E_coli_Coliform_mpn/100ml	16.1
CONDUCTIVITY_Umos/cm	580	Ammonia_mg/l	ND
BOD_mg/l	<2	Nitrite_NO2_mg/l	ND
COD_mg/l	ND	Nitrate_NO3_mg/l	0.28
TSS_mg/l	ND	TKN_Tot_Kjeld_N_mg/l	0.77
TDS_mg/l	380	Phosphorus_total_mg/l_P	0.42
N-Hexane Extractable-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	190
Floride_mg/l	0.56	Chlorine_mg/l	ND



\*KO = Kyle O'Malley, engineering assistant  
ML = Miguel Luna, stormwater inspector

LOCATION **MENAU POND INFLOW CHANNEL**

OUTFALL\_NO **3** QUAD **NE** GRID **H-15** SAMPLED

DATE\_INSP **3/5/2024** TIME **10:00** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\3-H>

AIR_TEMP_F	<b>55</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	





LOCATION **BARELAS PUMPING PLANT INFLOW**

OUTFALL\_NO **4** QUAD **SW** GRID **L-13** SAMPLED

DATE\_INSP **4/4/2024** TIME **1:30** Inspected by **KO/ML**

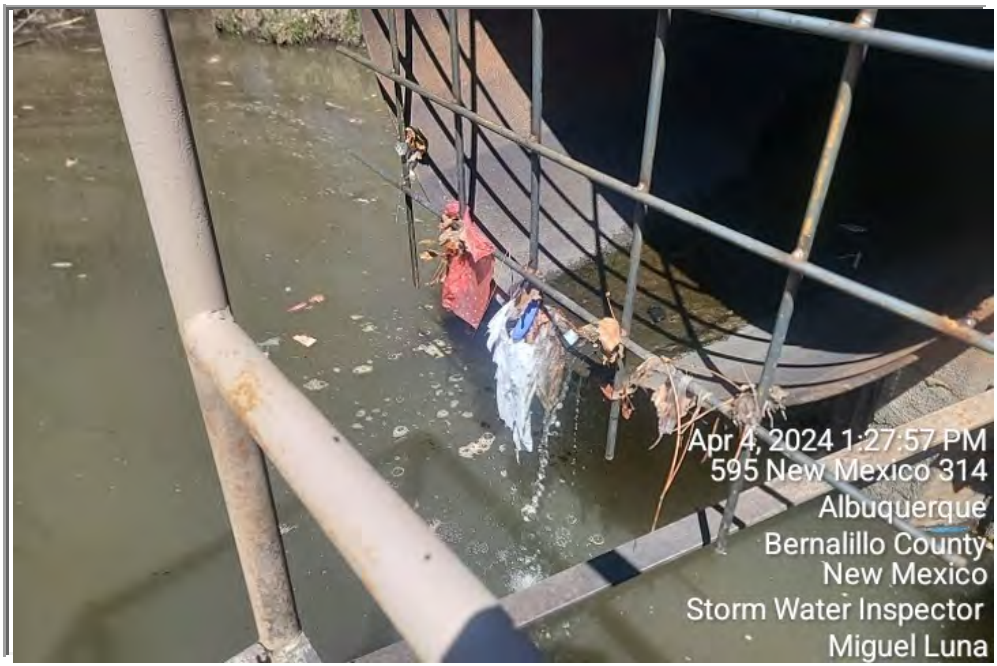
WEATHER **SUNNY** flow **Y** FLOW\_GPM **0.1**

APPEARANCE **clear** GROSS POLLUTANT **none**

Source of Flow **groundwater infiltration to the storm lines**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\4-L>

AIR_TEMP_F	68	Lab	Eurofins
WATER_TEMP_F		Lab_Report	885-2402-1
pH	8	E_coli_Coliform_mpn/100ml	>2419.6
CONDUCTIVITY_Umos/cm	690	Ammonia_mg/l	nd
BOD_mg/l	2.1	Nitrite_NO2_mg/l	nd
COD_mg/l	nd	Nitrate_NO3_mg/l	0.14
TSS_mg/l	nd	TKN_Tot_Kjeld_N_mg/l	0.6
TDS_mg/l	450	Phosphorus_total_mg/l_P	0.19
N-Hexane Extractable-(Oil_Grease)_mg/l	nd	Hardness_mg/l_CaCO3	240
Fluoride_mg/l	0.61	Chlorine_mg/l	0.07





LOCATION **KIRTLAND CHANNEL AT MULBERRY NE**  
 OUTFALL\_NO **5** QUAD **SE** GRID **M-15** SAMPLED   
 DATE\_INSP **3/22/2024** TIME **11:00** Inspected by **JA/DL**  
 WEATHER **SUNNY** flow **N** FLOW\_GPM **0**  
 APPEARANCE **na** GROSS POLLUTANT **na**  
 Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\5-M>

AIR_TEMP_F	<b>56</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION	<b>SAN ANTONIO ARROYO AT RIO GRANDE</b>					
OUTFALL_NO	6	QUAD	NW	GRID	F-12	SAMPLED <input type="checkbox"/>
DATE_INSP	3/22/2024	TIME	10:00am	Inspected by	JA/DL	
WEATHER	SUNNY	flow	NO	FLOW_GPM	0	
APPEARANCE	na		GROSS POLLUTANT	na		
Source of Flow	na					

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\6-F>

AIR_TEMP_F	60	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **CALABACILLAS ARROYO AT RIO GRANDE**

OUTFALL\_NO **7** QUAD **NW** GRID **C-14** SAMPLED

DATE\_INSP **4/5/2024** TIME **3:00pm** Inspected by **KO/ML**

WEATHER **CLOUDY** flow **N** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\7-C>

AIR_TEMP_F	<b>65</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



Mar 6, 2024 2:52:28 PM  
 4304 Loren Avenue Northwest  
 Albuquerque  
 Bernalillo County  
 New Mexico  
 Storm Water Inspector  
 Miguel Luna

LOCATION **HAHN ARROYO AT CARLISLE NE**

OUTFALL\_NO **8** QUAD **NE** GRID **G-16** SAMPLED

DATE\_INSP **3/27/2024** TIME **10:00am** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **Yes** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\8-G>

AIR_TEMP_F	42	Lab	Eurofins
WATER_TEMP_F		Lab_Report	885-1871-1
pH		E_coli_Coliform_mpn/100ml	5.2
CONDUCTIVITY_Umos/cm	550	Ammonia_mg/l	ND
BOD_mg/l	5.1	Nitrite_NO2_mg/l	ND
COD_mg/l	ND	Nitrate_NO3_mg/l	0.18
TSS_mg/l	ND	TKN_Tot_Kjeld_N_mg/l	2.1
TDS_mg/l	310	Phosphorus_total_mg/l_P	0.49
N-Hexane Extractable-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	180
Fluoride_mg/l	0.57	Chlorine_mg/l	ND





LOCATION **EMBUDO AT PENNSYLVANIA SOUTH OF MENCAL NE**

OUTFALL\_NO **9** QUAD **NE** GRID **J-19** SAMPLED

DATE\_INSP **3/26/2024** TIME **10:30am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\9-J1>

AIR_TEMP_F	50	Lab	Eurofins
WATER_TEMP_F		Lab_Report	885-1789-1
pH	8.1	E_coli_Coliform_mpn/100ml	ND
CONDUCTIVITY_Umos/cm	490	Ammonia_mg/l	ND
BOD_mg/l	ND	Nitrite_NO2_mg/l	ND
COD_mg/l	ND	Nitrate_NO3_mg/l	0.14
TSS_mg/l	ND	TKN_Tot_Kjeld_N_mg/l	ND
TDS_mg/l	300	Phosphorus_total_mg/l_P	0.31
N-Hexane Extractable-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	160
Fluoride_mg/l	0.5	Chlorine_mg/l	ND



LOCATION **NDC AT TUCKER**

OUTFALL\_NO **10** QUAD **NE** GRID **J-16** SAMPLED

DATE\_INSP **4/3/2024** TIME **10:30am** Inspected by **NR\***

WEATHER **SUNNY** flow **No** FLOW\_GPM **0**

APPEARANCE \_\_\_\_\_ GROSS POLLUTANT \_\_\_\_\_

Source of Flow \_\_\_\_\_

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\10-J>

AIR_TEMP_F	48	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	37	Lab_Report	2212536
pH	8.29	E_coli_Coliform_mpn/100ml	1046.2
CONDUCTIVITY_Umos/cm	300	Ammonia_mg/l	<5
BOD_mg/l	<12.	Nitrite_NO2_mg/l	<0.5
COD_mg/l	176	Nitrate_NO3_mg/l	<0.5
TSS_mg/l	16	TKN_Tot_Kjeld_N_mg/l	<5
TDS_mg/l	240	Phosphorus_total_mg/l_P	0.09
N-Hexane Extractable-(Oil_Grease)_mg/l	<9.5	Hardness_mg/l_CaCO3	120
Floride_mg/l	<0.5	Chlorine_mg/l	<0.05



LOCATION **BEAR CANYON ARROYO AT NDC**

OUTFALL\_NO **11** QUAD **NE** GRID **G-16** SAMPLED

DATE\_INSP **3/5/2024** TIME **2:12** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\11->

AIR_TEMP_F	<b>49</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	





LOCATION	<b>SOUTH PINO ARROYO AT WASHINGTON NE</b>						
OUTFALL_NO	12	QUAD	NE	GRID	D-17	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/5/2024	TIME	10:00am	Inspected by	JA/DL		
WEATHER	CLOUDY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\12->

AIR_TEMP_F	49	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION	<b>NORTH PINO ARROYO AT TIBURON NE</b>					
OUTFALL_NO	13	QUAD	NE	GRID	D-17	SAMPLED <input type="checkbox"/>
DATE_INSP	3/5/2024	TIME	11:00am	Inspected by	JA/DL	
WEATHER	CLOUDY	flow	NO	FLOW_GPM	0	
APPEARANCE	na		GROSS POLLUTANT	na		
Source of Flow	na					

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\13->

AIR_TEMP_F	49	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	<b>SOUTH DOMINGO BACA ARROYO AT WASHINGTON NE</b>						
OUTFALL_NO	14	QUAD	NE	GRID	C-17	SAMPLED	<input checked="" type="checkbox"/>
DATE_INSP	3/5/2024	TIME	12:30pm	Inspected by	SK		
WEATHER	CLOUDY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\14->

AIR_TEMP_F	49	Lab	
WATER_TEMP_F		Lab_Report	885-2062-1
pH	8.2	E_coli_Coliform_mpn/100ml	16.1
CONDUCTIVITY_Umos/cm	670	Ammonia_mg/l	ND
BOD_mg/l	5.2	Nitrite_NO2_mg/l	ND
COD_mg/l	ND	Nitrate_NO3_mg/l	ND
TSS_mg/l	ND	TKN_Tot_Kjeld_N_mg/l	ND
TDS_mg/l	430	Phosphorus_total_mg/l_P	0.54
N-Hexane Extractable-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	230
Fluoride_mg/l	0.82	Chlorine_mg/l	ND



LOCATION **AMOLE DEL NORTE CHANNEL AT BLAKE SW**

OUTFALL\_NO **15** QUAD **SW** GRID **N-10** SAMPLED

DATE\_INSP **4/10/2024** TIME **9:00am** Inspected by **KO**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\15->

AIR_TEMP_F	<b>47</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	





LOCATION **WEST BLUFF NW OUTFALL AT RIO GRANDE AT I-40**

OUTFALL\_NO **16** QUAD **NW** GRID **H-11** SAMPLED

DATE\_INSP **3/25/2024** TIME **10:30am** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link [X:\MD\SHARE\MD-Storm\7\\_NPDES\311\\_SWQ\\_Complaints\2024\2 - DW Screening--new-2023-2024\16](X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2 - DW Screening--new-2023-2024\16)

AIR_TEMP_F	<b>44</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



Mar 25, 2024 10:40:20 AM

LOCATION	<b>SNOW VISTA ARROYO AT DE VARGAS SW</b>						
OUTFALL_NO	17	QUAD	SW	GRID	M-09	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/5/2024	TIME	10:30am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\17->

AIR_TEMP_F	47	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION	<b>MONTANO EAST OF COORS NW</b>						
OUTFALL_NO	18	QUAD	NW	GRID	E-12	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/1 /2024	TIME	11:00am	Inspected by	JA/DL		
WEATHER	CLOUDY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\18->

AIR_TEMP_F	36	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	





LOCATION	<b>MONTANO NW PS-47 WEST OF RIO GRANDE BLVD</b>						
OUTFALL_NO	19	QUAD	NW	GRID	F-12	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/5/2024	TIME	9:20am	Inspected by	NR		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na	GROSS POLLUTANT	na				
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\19->

AIR_TEMP_F	44	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION	<b>CANDELARIA NW PS-40 AT RIO GRANDE</b>						
OUTFALL_NO	20	QUAD	NW	GRID	G-12	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/5/2024	TIME	8:00am	Inspected by	NR		
WEATHER	SUNNY	flow	NO	FLOW_GPM			
APPEARANCE		GROSS POLLUTANT					
Source of Flow							

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\20->

AIR_TEMP_F	<input type="text"/>	Lab	<input type="text"/>
WATER_TEMP_F	<input type="text"/>	Lab_Report	<input type="text"/>
pH	<input type="text"/>	E_coli_Coliform_mpn/100ml	<input type="text"/>
CONDUCTIVITY_Umos/cm	<input type="text"/>	Ammonia_mg/l	<input type="text"/>
BOD_mg/l	<input type="text"/>	Nitrite_NO2_mg/l	<input type="text"/>
COD_mg/l	<input type="text"/>	Nitrate_NO3_mg/l	<input type="text"/>
TSS_mg/l	<input type="text"/>	TKN_Tot_Kjeld_N_mg/l	<input type="text"/>
TDS_mg/l	<input type="text"/>	Phosphorus_total_mg/l_P	<input type="text"/>
N-Hexane Extractable-(Oil_Grease)_mg/l	<input type="text"/>	Hardness_mg/l_CaCO3	<input type="text"/>
Fluoride_mg/l	<input type="text"/>	Chlorine_mg/l	<input type="text"/>





LOCATION	<b>NAMASTE AND COORS NW</b>						
OUTFALL_NO	21	QUAD	NW	GRID	F-11	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/5/2024	TIME	10:00	Inspected by	JA/DL		
WEATHER	CLOUDY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\21->

AIR_TEMP_F	34	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION	<b>SNOW GOOSE AT OXBOW BLUFF NW</b>					
OUTFALL_NO	22	QUAD	NW	GRID	G-11	SAMPLED <input type="checkbox"/>
DATE_INSP	4/5/2024	TIME	11:30am	Inspected by	KO	
WEATHER	SUNNY	flow	NO	FLOW_GPM	0	
APPEARANCE	na		GROSS POLLUTANT	na		
Source of Flow	na					

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\22->

AIR_TEMP_F	45	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	





LOCATION **SEQUOIA NW AT RIO GRANDE**

OUTFALL\_NO **23** QUAD **NW** GRID **G-11** SAMPLED

DATE\_INSP **3/28/2024** TIME **2:30pm** Inspected by **KO/ML**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\23->

AIR_TEMP_F	<b>45</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION	<b>REDLANDS - GRANDE VISTA NW</b>						
OUTFALL_NO	24	QUAD	NW	GRID	G-12	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/20/2024	TIME	3:05	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\24->

AIR_TEMP_F	45	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **PASEO DEL REY - OURAY - VISTA GRANDE NW**

OUTFALL\_NO **25** QUAD **NW** GRID **H-11** SAMPLED

DATE\_INSP **3/28/2024** TIME **10:55** Inspected by **KO/ML**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\25->

AIR_TEMP_F	<b>39</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	





LOCATION **DURANES NW PS AT RIO GRANDE**

OUTFALL\_NO **26** QUAD **NW** GRID **H-12** SAMPLED

DATE\_INSP **3/5/2024** TIME **10:30am** Inspected by **NR**

WEATHER **CLOUDY** flow **YES** FLOW\_GPM **3**

APPEARANCE  GROSS POLLUTANT

Source of Flow

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\26->

AIR_TEMP_F	<input type="text"/>	Lab	<input type="text"/>
WATER_TEMP_F	<input type="text"/>	Lab_Report	<input type="text"/>
pH	<input type="text"/>	E_coli_Coliform_mpn/100ml	<input type="text"/>
CONDUCTIVITY_Umos/cm	<input type="text"/>	Ammonia_mg/l	<input type="text"/>
BOD_mg/l	<input type="text"/>	Nitrite_NO2_mg/l	<input type="text"/>
COD_mg/l	<input type="text"/>	Nitrate_NO3_mg/l	<input type="text"/>
TSS_mg/l	<input type="text"/>	TKN_Tot_Kjeld_N_mg/l	<input type="text"/>
TDS_mg/l	<input type="text"/>	Phosphorus_total_mg/l_P	<input type="text"/>
N-Hexane Extractable-(Oil_Grease)_mg/l	<input type="text"/>	Hardness_mg/l_CaCO3	<input type="text"/>
Fluoride_mg/l	<input type="text"/>	Chlorine_mg/l	<input type="text"/>



LOCATION **CALLE DEL VISTA-ATRISCO NW**

OUTFALL\_NO **27** QUAD **NW** GRID **H-11** SAMPLED

DATE\_INSP **3/25/2024** TIME **3:30pm** Inspected by **JA/DL**

WEATHER **CLOUDY** flow **NO** FLOW\_GPM **0**

APPEARANCE \_\_\_\_\_ GROSS POLLUTANT \_\_\_\_\_

Source of Flow \_\_\_\_\_

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\27->

AIR_TEMP_F	<b>44</b>	Lab	_____
WATER_TEMP_F	_____	Lab_Report	_____
pH	_____	E_coli_Coliform_mpn/100ml	_____
CONDUCTIVITY_Umos/cm	_____	Ammonia_mg/l	_____
BOD_mg/l	_____	Nitrite_NO2_mg/l	_____
COD_mg/l	_____	Nitrate_NO3_mg/l	_____
TSS_mg/l	_____	TKN_Tot_Kjeld_N_mg/l	_____
TDS_mg/l	_____	Phosphorus_total_mg/l_P	_____
N-Hexane Extractable-(Oil_Grease)_mg/l	_____	Hardness_mg/l_CaCO3	_____
Floride_mg/l	_____	Chlorine_mg/l	_____





LOCATION **WESTCLIFFE APTS AT 2700 VISTA GRANDE NW**

OUTFALL\_NO **28** QUAD **NW** GRID **H-12** SAMPLED

DATE\_INSP **3/21/2024** TIME **10:45** Inspected by **AP\***

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\28->

AIR_TEMP_F	<b>39</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **SAN JOSE DRAIN AT RIO BRAVO SW**

OUTFALL\_NO **29** QUAD **SW** GRID **P-13** SAMPLED

DATE\_INSP **3/4/2024** TIME **10:45** Inspected by **AP**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\29->

AIR_TEMP_F	<b>42</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	





LOCATION **ATRISCO-ATRISCO PL-RIVERVIEW NW**

OUTFALL\_NO **30** QUAD **NW** GRID **J-11** SAMPLED

DATE\_INSP **3/21/2024** TIME **3:25** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE  GROSS POLLUTANT **na**

Source of Flow

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\30->

AIR_TEMP_F	<b>48</b>	Lab	<input type="text"/>
WATER_TEMP_F	<input type="text"/>	Lab_Report	<input type="text"/>
pH	<input type="text"/>	E_coli_Coliform_mpn/100ml	<input type="text"/>
CONDUCTIVITY_Umos/cm	<input type="text"/>	Ammonia_mg/l	<input type="text"/>
BOD_mg/l	<input type="text"/>	Nitrite_NO2_mg/l	<input type="text"/>
COD_mg/l	<input type="text"/>	Nitrate_NO3_mg/l	<input type="text"/>
TSS_mg/l	<input type="text"/>	TKN_Tot_Kjeld_N_mg/l	<input type="text"/>
TDS_mg/l	<input type="text"/>	Phosphorus_total_mg/l_P	<input type="text"/>
N-Hexane Extractable-(Oil_Grease)_mg/l	<input type="text"/>	Hardness_mg/l_CaCO3	<input type="text"/>
Fluoride_mg/l	<input type="text"/>	Chlorine_mg/l	<input type="text"/>



LOCATION **LA BAJADA-ATRISCO-NORTH 30 IN PIPE**

OUTFALL\_NO **31** QUAD **NW** GRID **J-11** SAMPLED

DATE\_INSP **3/21/2024** TIME **3:20** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\31->

AIR_TEMP_F	<b>48</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	





LOCATION	<b>LA BAJADA-ATRISCO-SOUTH 36 IN PIPE-WINGWALL</b>						
OUTFALL_NO	32	QUAD	NW	GRID	J-11	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/21/2024	TIME	3:20	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link [X:\MD\SHARE\MD-Storm\7\\_NPDES\311\\_SWQ\\_Complaints\2024\2 - DW Screening--new-2023-2024\32](X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2024\2 - DW Screening--new-2023-2024\32)

AIR_TEMP_F	48	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION	<b>CENTRAL-SUNSET-OSAGE PS-44 THE 36 AND 42 IN PIPES</b>						
OUTFALL_NO	33	QUAD	NW	GRID	J-12	SAMPLED	<input checked="" type="checkbox"/>
DATE_INSP	3/21/2024	TIME	10:30am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	YES	FLOW_GPM	0.5		
APPEARANCE	clear	GROSS POLLUTANT	none				
Source of Flow	groundwater at the Atrisco park						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\West\33->

AIR_TEMP_F	48	Lab	Eurofins	
WATER_TEMP_F		Lab_Report	885-1678-1	
pH	7.7	E_coli_Coliform_mpn/100ml	90.1	
CONDUCTIVITY_Umos/cm	360	Ammonia_mg/l	0.7	
BOD_mg/l	2	Nitrite_NO2_mg/l	ND	
COD_mg/l	80	Nitrate_NO3_mg/l	0.66	
TSS_mg/l	ND	TKN_Tot_Kjeld_N_mg/l	0.96	
TDS_mg/l	210	Phosphorus_total_mg/l_P	0.35	
N-Hexane Extractable-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	92	
Fluoride_mg/l	ND	Chlorine_mg/l	ND	





LOCATION	<b>CENTRAL-SUNSET-OSAGE NW PS-44 THE 6 IN PIPE</b>						
OUTFALL_NO	34	QUAD	NW	GRID	J-12	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/21/2024	TIME	3:05	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\34->

AIR_TEMP_F	48	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **ALCALDE SW PS-41 AT RIO GRANDE**

OUTFALL\_NO **35** QUAD **SW** GRID **K-13** SAMPLED

DATE\_INSP **3/21/2024** TIME **1:30pm** Inspected by **AP**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\35->

AIR_TEMP_F	<input type="text" value="46"/>	Lab	<input type="text"/>
WATER_TEMP_F	<input type="text"/>	Lab_Report	<input type="text"/>
pH	<input type="text"/>	E_coli_Coliform_mpn/100ml	<input type="text"/>
CONDUCTIVITY_Umos/cm	<input type="text"/>	Ammonia_mg/l	<input type="text"/>
BOD_mg/l	<input type="text"/>	Nitrite_NO2_mg/l	<input type="text"/>
COD_mg/l	<input type="text"/>	Nitrate_NO3_mg/l	<input type="text"/>
TSS_mg/l	<input type="text"/>	TKN_Tot_Kjeld_N_mg/l	<input type="text"/>
TDS_mg/l	<input type="text"/>	Phosphorus_total_mg/l_P	<input type="text"/>
N-Hexane Extractable-(Oil_Grease)_mg/l	<input type="text"/>	Hardness_mg/l_CaCO3	<input type="text"/>
Fluoride_mg/l	<input type="text"/>	Chlorine_mg/l	<input type="text"/>



LOCATION **NDC AT ALAMEDA NE**

OUTFALL\_NO **36** QUAD **NE** GRID **C-17** SAMPLED

DATE\_INSP **3/22/2024** TIME **10:30** Inspected by **JA/DL**

WEATHER **SUNNY** flow **YES** FLOW\_GPM **1**

APPEARANCE **clear** GROSS POLLUTANT **leaves, papers, plastics**

Source of Flow **Irrigation water and well wash water**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\36->

AIR_TEMP_F	54	Lab	Eurofins
WATER_TEMP_F		Lab_Report	885-1678-1
pH	8.5	E_coli_Coliform_mpn/100ml	ND
CONDUCTIVITY_Umos/cm	650	Ammonia_mg/l	ND
BOD_mg/l	5.2	Nitrite_NO2_mg/l	ND
COD_mg/l	ND	Nitrate_NO3_mg/l	ND
TSS_mg/l	4	TKN_Tot_Kjeld_N_mg/l	0.75
TDS_mg/l	440	Phosphorus_total_mg/l_P	0.26
N-Hexane Extractable-(Oil_Grease)_mg/l	ND	Hardness_mg/l_CaCO3	190
Fluoride_mg/l	0.95	Chlorine_mg/l	ND



Mar 22, 2024 10:27:58 AM  
 397 Alameda Boulevard Northeast  
 Albuquerque  
 Bernalillo County  
 New Mexico



LOCATION	<b>TIJERAS ARROYO AT 2ND ST SW</b>						
OUTFALL_NO	<b>37</b>	QUAD	SW	GRID	Q-12	SAMPLED	<input type="checkbox"/>
DATE_INSP	3/5/2024	TIME	10:30am	Inspected by	JA/DL		
WEATHER	SUNNY	flow	NO	FLOW_GPM	0		
APPEARANCE	na		GROSS POLLUTANT	na			
Source of Flow	na						

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\East\37->

AIR_TEMP_F	42	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	





LOCATION **MIRANDELA BY PUEBLO PARK SE OF COORS AND MONTANO NW**

OUTFALL\_NO **38** QUAD **NW** GRID **E-12** SAMPLED

DATE\_INSP **3/1/2024** TIME **10:30am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\38->

AIR_TEMP_F	<b>36</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **BOSQUE SCHOOL AND MIRANDELA SE OF COORS AND MONTANO NW**

OUTFALL\_NO **39** QUAD **NW** GRID **E-12** SAMPLED

DATE\_INSP **3/1/2024** TIME **10:00am** Inspected by **JA/DL**

WEATHER **SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening--new-2023-2024\39->

AIR_TEMP_F	<b>36</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



LOCATION **1406-1412 RIVERVIEW NW**

OUTFALL\_NO **40** QUAD **NW** GRID **J-11** SAMPLED

DATE\_INSP **3/1/2024** TIME **1:30pm** Inspected by **KO/ML**

WEATHER **PARTLY SUNNY** flow **NO** FLOW\_GPM **0**

APPEARANCE **na** GROSS POLLUTANT **na**

Source of Flow **na**

link <X:\MD\SHARE\MD-Storm\7 NPDES\311 SWQ Complaints\2024\2 - DW Screening-2023-2024\West\40->

AIR_TEMP_F	<b>44</b>	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractable-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Fluoride_mg/l		Chlorine_mg/l	



**Attachment 4**  
**Map and Listing of Illicit Discharges**

**Attachment 4a**  
**311 Inspections Collected on**  
**pre-FY24 Tracking System**

Address **1109 GEORGIA NE**

Inspection Date 7/14/2023 Reporting Date 7/13/2023

Customer Derrek King-WA SOURCE email 311CASE\_ID email

Customer\_Ph na e\_mail dking@abcwua.org

X\_Link Complaint type Sewage Inspector sk

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1175 is it in gis Yes

Complaint RESIDENT OF 6514 MARBLE CLAIMS THAT THE PUDDLED WATER IN HIS YARD IS FROM A BROKEN SANITARY LINE OF HIS NAGHBOR AT 1109 GEORGIA.

Field Observation THE GROUND WAS WET NEAR THE WALL

Initial Action I ASKED THE NEIGHBOR TO CHECK THEIR SANITARY LINE AND FIX IT IF IT IS BROKEN.





Address **1850 GRETTA NE**

Inspection Date 7/14/2023 Reporting\_Date 7/14/2023

Customer Anonymous SOURCE 311 311CASE\_ID 230714-000166

Customer\_Ph na e\_mail na

X\_Link Complaint type Sewage Inspector sk

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility RV NO 1176 is it in gis Yes

Complaint A CITIZEN REPORTING THIS STATED IT SMELLED LIKE SEWAGE.  
IT'S A CONCERN IT MAY GOING INTO THE DRAIN SYSTEM

Field Observation THE AREA WAS CLEAN AND NO EVIDENCE OF SEWAGE SPILL

DISTRIBUTED EDUCATIONAL MATERIAL AT THIS AREA

Initial Action



Address **7528 CAPULIN RD NE**

Inspection Date 7/18/2023 Reporting Date 7/17/2023

Customer Jeffrey White SOURCE 311 311CASE\_ID 230717-000606

Customer\_Ph 822-0258 e\_mail jeffjanwhite@comcast.net

X\_Link Complaint type Construction Inspector sk

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1177 is it in gis Yes

Complaint CONSTRUCTION PROJECT FROM 7528 CAPULINE, WHITE CEMENT IS TRAILING DOWN THE CURB AND GUTTERS SB FROM JEME AND CAPULINE AFTER TOOLS AND MATERIALS WERE WASHED. HEADING TOWARD EDDY AND CAPULINE. OCCURED ON SATURDAY, 7/15, REQUESTING IT BE CLEANED UP.

Field Observation THE WHITE RESIDUE WAS THE WASH WATER FROM CLEANING THE LANDSCAPE GRAVEL

Initial Action ASKED THE RESIDENT NOT TO RELEASE ANY DIRTY WATER TO STREET. ALSO DISTRIBUTED POLLUTION PREVENTION BROCHURES AT THIS AREA



Address **1100 SOLAR NW**

Inspection Date 7/18/2023 Reporting\_Date 7/17/2023

Customer Vincent Darco SOURCE web 311CASE\_ID web

Customer\_Ph 345-4383 e\_mail vincent.darco@va.gov

X\_Link Complaint type Large Items Dump Inspector

Facility Contac Arroyo Maintenance Facility\_Ph\_No na

Suspected\_Facility Arroyo-Sweal NO 1178 is it in gis Yes

Complaint AFTERNOON OF SATURDAY, JULY 15TH. LARGE PILE OF TREE BRANCHES WERE DUMPED AT 1100 SOLAR ROAD NW. THE STORM DRAIN/DITCH IS NOW BLOCKED. POSSIBLY YOU COULD VIEW THE CAMERAS FROM THE ELEMENTARY SCHOOL TO VIEW THE OFFENDERS

Field Observation THERE WAS A BIG PILE OF TREE BRANCHES IN THE SWEAL IN FRONT OF THE SCHOOL

ASKED ARROYO MAINTENANCE TO CLEAN IT UP AND THEY DID

Initial Action



Address **SUSHI HANA AT 521 CENTRAL NW**

Inspection Date 8/18/2023 Reporting Date 7/18/2023

Customer Nicole Benavidez SOURCE 311 311CASE\_ID 230718-000419

Customer\_Ph 263-4374 e\_mail nbenavidez@blockbyblock.com

X\_Link Complaint type Cooking Grease Inspector sk

Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility Sushi Hana resturant NO 1179 is it in gis Yes

Complaint A TRUCK HIT A GREAS TRAP AND LOTS OF GREASE MAKING ITS WAY TO THE GUTTER AND A NEIGHBORBY STORM DRAIN.

Field Observation THE COOKING GREASE WAS COVERING LARGE AREA IN THE ALLEY

Initial Action COVERED THE GREASE WITH ABSORBENT AND ASKED THE MANAGER TO CLEN IT UP AND HE DID.



Address **SEQUOIA OUTFALL AT 3536 SEQUOIA NW**

Inspection Date 7/19/2023 Reporting Date 7/19/2023

Customer David Dekker SOURCE email 311CASE\_ID email

Customer\_Ph 385 3411 e\_mail dd66bisou@me.com

X\_Link Complaint type Trash Inspector sk

Facility Contac arroyo maintenance Facility\_Ph\_No na

Suspected\_Facility Sequoia outfall NO 1180 is it in gis Yes

Complaint 1-MOSQUITO CONTROL IS THE TOP PRIORITY 2-OPENING A CHANNEL IN THE SEDIMENT DAM WOULD PRECLUDE THE NEED FOR MOSQUITO TREATMENT. 3-TRASH PICKUP WOULD BE NICE

Field Observation THERE IS NO ACCESS TO THE OUTFALL TO INSPECT IT OR REMOVE THE TRASH

Initial Action NO ACTION. IT JUST HAPPENED THAT A BIG WATER WAVE CLEARED THE OUTFALL PATH.



Address **315 BELL PARK CIR SE**

Inspection Date 7/26/2023 Reporting Date 7/24/2023

Customer Anonymous SOURCE 311 311CASE\_ID 230724-001227

Customer\_Ph na e\_mail wmcdonough@abcwua.org

X\_Link Complaint type Sewage Inspector sk

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1181 is it in gis Yes

Complaint SEWAGE RUNNING DOWN THE GUTTER. THE RESIDENT NOTICED WATER FLOWING OUT OF WHAT SOUNDED LIKE A CLEAN OUT IN THE AREA. THIS HAS BEEN GOING ON FOR QUITE SOME TIME. THIS NEEDS TO GO TO CODE ENFORCEMENT FOR FURTHER INVESTIGATION..

Field Observation IT WAS FIXED AND THE AREA WAS DRY

DISTRIBUTED EDUCATIONAL MATERIAL AT THIS AREA

Initial Action





Address **6000 MONTANO PLAZA DR NW**

Inspection Date **7/26/2023** Reporting Date **7/24/2023**

Customer **Anonymous** SOURCE **311** 311CASE\_ID **230724-002591**

Customer\_Ph **na** e\_mail **na**

X\_Link  Complaint type **Sewage** Inspector **sk**

Facility Contac **manager** Facility\_Ph\_No

Suspected\_Facility **apartment complex** NO **1182** is it in gis **Yes**

Complaint **SEWER BACKUP NEAR BUILDING 41**

Field Observation **IT WAS FIXED AND THE AREA WAS DRY**

**NO ACTION**

Initial Action



Address **EXPO NM AT LOMAS AND SAN PEDRO**

Inspection Date 7/27/2023 Reporting Date 7/26/2023

Customer Patrick Chavez-AMAFCA SOURCE email 311CASE\_ID email

Customer\_Ph 362-7342 e\_mail pchavez@amafca.org

X\_Link Complaint type Sewage Inspector sk

Facility Contac na Facility\_Ph\_No na

Suspected\_Facility Expo NM NO 1183 is it in gis Yes

Complaint NOT SURE WHAT DISCHARGES ARE "ALLOWABLE" FROM THE CAFO AT THE FAIRGROUNDS BUT NOTICED TODAY THAT THERE IS FLOW LEAVING THE DETENTION POND AT THE SE CORNER OF LOMAS AND SAN PEDRO. JUST A HEADS UP.

Field Observation THE CAFO POND WAS DRY AND NOTHING WAS GOING TO STORM POND

Initial Action NO ACTION



Address **929 AZTEC RD NW**

Inspection Date 8/1/2023 Reporting Date 7/31/2023

Customer Anonymous SOURCE 311 311CASE\_ID 230731-001541

Customer\_Ph na e\_mail na

X\_Link Complaint type Sewage Inspector sk

Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility apartment NO 1184 is it in gis Yes

Complaint HOUSE SIDE SEWER GOING INTO THE STREET AND GOING INTO STORM DRAIN. CODE ENFORCEMENT NEEDS TO BE CONTACTED AGAIN ON THIS ADDRESS WHICH HAS BEEN LEAKING FOR ABOUT A MONTH NOW.

Field Observation SEWAGE WAS FLOWING OUT OF CLEAN OUT POINT

Initial Action I SPOKE TO THE MANAGER AND HE SAID THE PLUMBER IS COMING TO FIX IT TODAY.



Address **1401 FREEMAN NW**

Inspection Date 8/4/2023 Reporting Date 7/31/2023

Customer Anonymous SOURCE ph call 311CASE\_ID ph call

Customer\_Ph 681-8753 e\_mail na

X\_Link Complaint type Foul Odor Inspector sk

Facility Contac na Facility\_Ph\_No na

Suspected\_Facility inlet NO 1185 is it in gis Yes

Complaint HE WAS COMPLAINING ABOUT THE ODOR COMING FROM THE STORM DRAIN THAT IT SMELLED LIKE SOMETHING DIED AND WAS CONCERNED ABOUT IT WASHING TO THE RIVER.

Field Observation ALL THE INLETS WERE DRY AND NO FOUL ODOR WAS COMING FROM THE INLETS.

Initial Action DISTRIBUTED EDUCATIONAL MATERIAL AT THIS AREA AND GLUED NO DUMP SIGNS ON THE INLETS.



Address **AZ AUTOMOTIVE AT 4906 JEFFERSON NE**

Inspection Date 8/1/2023 Reporting Date 8/1/2023

Customer Anonymous SOURCE 311 311CASE\_ID 230801-000603

Customer\_Ph na e\_mail

X\_Link Complaint type Sewage Inspector sk

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility AZ Automotive NO 1186 is it in gis Yes

Complaint A PRIVATE SEWER LINE LEAKING. THIS IS AN OPEN EXCAVATION, WUA BARRICADES ARE ON SITE, EXCAVATION IS FULL OF SEWAGE AND IS OVERFLOWING.

Field Observation THE CONTRACTOR WAS ON SITE FIXING THE LEAK.

NO ACTION NEEDED

Initial Action



Address **600 VASSAR SE**

Inspection Date 8/4/2023 Reporting Date 8/4/2023

Customer Anonymous SOURCE email 311CASE\_ID email

Customer\_Ph na e\_mail na

X\_Link Complaint type Grey Water Inspector sk

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1187 is it in gis Yes

Complaint

WATER RUNNING INTO THE STREET FROM A PIPE

Field Observation

WATER WAS COMING OUT FROM A SIDEWALK CULVERT BETWEEN THE TWO HOUSES

Initial Action

SPOKE TO BOTH RESIDENTS AND THEY SAID THAT THEY DO NOT KNOW WHERE THE WATER IS COMING FROM





Address

**QUICK SHINE CAR WASH AT CLOUDCROFT AND COORS NW**

Inspection Date

8/10/2023

Reporting Date

8/7/2023

Customer

Joe Martinez

SOURCE

311

311CASE\_ID

230807-002616

Customer\_Ph

290-1326

e\_mail

mailto:joemartinez@biopappel.

X\_Link

Complaint type

COLORD LIQUID

Inspector

sk

Facility Contac

manager

Facility\_Ph\_No

na

Suspected\_Facility

Quick Shine car wash

NO

1188

is it in gis

Yes

Complaint

CAR WASH DUMPING GREEN COLORED WATERED INTO THE STREET/STORM DRAINS

Field Observation

THERE WAS SOME WATER GOING TO THE STREET. THE PLUMBER WAS THERE TO FIX THE LEAKING PROBLEM

LEFT EDUCATIONAL MATERIAL WITH THE MANAGER

Initial Action



Address **BUSINESS AT 408 CENTRAL SW**

Inspection Date 8/9/2023 Reporting Date 8/8/2023

Customer Randy Miranda SOURCE 311 311CASE\_ID 230808-002519

Customer\_Ph 977-6291 e\_mail rmiranda@abhs.k12.nm.us

X\_Link Complaint type Power Wash Inspector

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility business NO 1189 is it in gis Yes

Complaint

BUSINESS DUMPING GREASE, SOOT INTO THE STORM DRAIN.

Field Observation

THEY WERE POWER WASHING APPLIANCES AND THE WATER GOING TO THE ALLEY. I ASKED HIM NOT RELEASE ANY WATER TO THE ALLEY.

I LEFT EDUCATIONAL MATERIAL WITH THE MANAGER

Initial Action



Address **6404 ROSOALIND NE**

Inspection Date 8/15/2023 Reporting Date 8/15/2023

Customer Ruth Striegel SOURCE email 311CASE\_ID email

Customer\_Ph 249-0083 e\_mail ruth.striegel@gmail.com

X\_Link Complaint type Construction Inspector sk

Facility Contac superintendent Facility\_Ph\_No na

Suspected\_Facility construction site NO 1190 is it in gis Yes

Complaint

RAINWATER FROM ADO ELEMENTARY CONSTRUCTION SITE ENTERD HER BACKYARD.

Field Observation

THERE WAS EVEDENCE THAT RAIN WATER FROM CONSTRUCTION SITE HAD ENTERD HER BACYARD.

Initial Action

WE SPOKE TO THE SITE SUPERVISOR TO FIX THE PROBLEM AND HE DID.



Address **3606 2ND ST NE**

Inspection Date 8/15/2023 Reporting Date 8/14/2023

Customer WA SOURCE 311 311CASE\_ID 230814-001533.

Customer\_Ph na e\_mail na

X\_Link Complaint type Sewage Inspector JA

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1191 is it in gis Yes

Complaint THE CALLER STATED THAT SEWAGE HAS BEEN COMING OUT OF THE CLEANOUTS FOR ABOUT THREE WEEKS NOW

Field Observation IT WAS A WATER LEAK WHERE A TRAILER USED TO BE. DAMAGED WATER LINE.

Initial Action WE INSPECTED THE AREA AND SPOKE WITH PROPERTY MANAGER REPAIRED THE LEAK ON THE SAME DAY.



Address **2400 BROADWAY SE**

Inspection Date 8/22/2023 Reporting Date 8/21/2023

Customer NMED SOURCE email 311CASE\_ID email

Customer\_Ph 848-1578 e\_mail dmcgregor@bernco.gov

X\_Link Complaint type Hazardous Material Inspector sk

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility diesel fueling station BC NO 1192 is it in gis Yes

Complaint DIESEL RELEASE TO THE SOIL AT THE BC FUELING STATION

Field Observation SOIL SAMPLES FROM OLD UNDERGROUND DIESEL TANK SITE WERE POSITIVE FOR HYDROCARBON.

NMED IS ENFORCING BC TO FIX THE PROBLEM

Initial Action



Address **5939 PERSEUS NW**

Inspection Date 8/21/2023 Reporting Date 8/18/2023

Customer Edward Solis SOURCE 311 311CASE\_ID 230818-002455

Customer\_Ph 908-5061 e\_mail edsolis@centurylink.net

X\_Link Complaint type Grey Water Inspector JA

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1193 is it in gis Yes

Complaint CALLER STATES SITE ADDRESS IS DRAINING HOT TUB INTO THE STORM DRAINS/STREET WITH A GARDEN HOSE SINCE 3:20PM TODAY.

Field Observation THERE WAS A GARDE HOSE DRAINING THE WATER TO THE STREET

Initial Action INSPECTOR ASKED THE RESIDENT TO STOP DISCHARGING TUB WATER TO THE STREET AND THEY DID. ALSO HE GAVE THEM EDUCATIONAL MATERIAL





Address **4516 HILTON NE**

Inspection Date 8/22/2023 Reporting\_Date 8/22/2023

Customer SeeClickFix SOURCE 311 311CASE\_ID 230822-000310

Customer\_Ph na e\_mail na

X\_Link Complaint type Grey Water Inspector sk

Facility Contac na Facility\_Ph\_No na

Suspected\_Facility home NO 1194 is it in gis Yes

Complaint THERE IS A HOSE IN THE ARROYO THAT IS ILLEGALLY SIPHONING WATER. IT GOES TO 4516 HILTON.

Field Observation NO PROBLEM

Initial Action NO ACTION



Address **INDIAN SCHOOL AND 12TH NW**

Inspection Date 8/22/2023 Reporting Date 8/22/2023

Customer Anonymous SOURCE 311 311CASE\_ID 230822-000904

Customer\_Ph na e\_mail na

X\_Link Complaint type Construction Inspector sk

Facility Contac na Facility\_Ph\_No

Suspected\_Facility inlet NO 1195 is it in gis Yes

Complaint

PER CALLER HE SEEN THIS MORNING ILLEGAL DUMPING IN STORM DRAIN.

Field Observation

I WENT TO THIS CALL TODAY AND THE INLETS WERE CLEAN, NO DIRT IN IT. IT LOOKS LIKE THAT THERE WAS AN EMERGENCY BROKEN LINE NEAR THE INLET, BUT ALL THE FLOW REMAINED IN THE POND.

NO ACTION NEEDED

Initial Action



Address **RV AT 4617 GLENDALE PL NW**

Inspection Date 8/23/2023 Reporting\_Date 8/23/2023

Customer E SOURCE web 311CASE\_ID web

Customer\_Ph 555-5555 e\_mail user@gopher.net

X\_Link Complaint type Sewage Inspector JA

Facility Contac NA Facility\_Ph\_No na

Suspected\_Facility RV NO 1196 is it in gis Yes

Complaint OIL AND GASOLINE LEAK OUT OF THE RV BOTTOM. TOILET DRAINS ONTO SIDEWALK AND TO THE DRAINS ALONG THE STREET WHEN IT RAINS

Field Observation RV PARKED INFRONT OF THIS ADDRESS

REPORTED TO 311 AS ABONDEND VEHICL

Initial Action



Address **344 GROVE SE**

Inspection Date 8/31/2023 Reporting\_Date 8/31/2023

Customer Diana Pettigrew-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3557 e\_mail dpettigrew@abcwua.org

X\_Link Complaint type Sewage Inspector sk

Facility Contac manager Facility\_Ph\_No 595-9827

Suspected\_Facility apartment NO 1197 is it in gis Yes

Complaint SEWAGE COMING OUT OF THE CLEANOUTS AT AN APARTMENT COMPLEX

Field Observation THE AREA AROUND THE CLEAN OUT WAS WET.

Initial Action I WENT TO THIS CALL, AND CONTACTED THE APARTMENT MANAGER AND ASKED HER TO FOX THE CLOG, SHE SAID SHE WILL IMMEDIATELY CALL FOR PLUMBER



Address **5935 WYOMING BLVD NE**

Inspection Date 8/31/2023 Reporting\_Date 8/31/2023

Customer Shelly Stout-WA SOURCE email 311CASE\_ID email

Customer\_Ph 842-9287x1 e\_mail mailto:ssout@abcwua.org

X\_Link Complaint type Sewage Inspector sk

Facility Contac Facility\_Ph\_No

Suspected\_Facility NO 1198 is it in gis Yes

Complaint THE BUSINESS LOCATED AT 5935 WYOMING BLVD NE HAS A PRIVATE SEWER LINE LEAKING IN THE STREET AND GOING DOWN THE STORM DRAIN.

Field Observation UNABLE TO LOCATE THE LEAK, THIS MALL IS TOO BIG.

Initial Action NO ACTION



Address **2817 CALIFORNIA ST NE**

Inspection Date 9/8/2023 Reporting Date 9/7/2023

Customer Anonymous SOURCE 311 311CASE\_ID 230907-002786

Customer\_Ph na e\_mail na

X\_Link Complaint type Paint Inspector sk

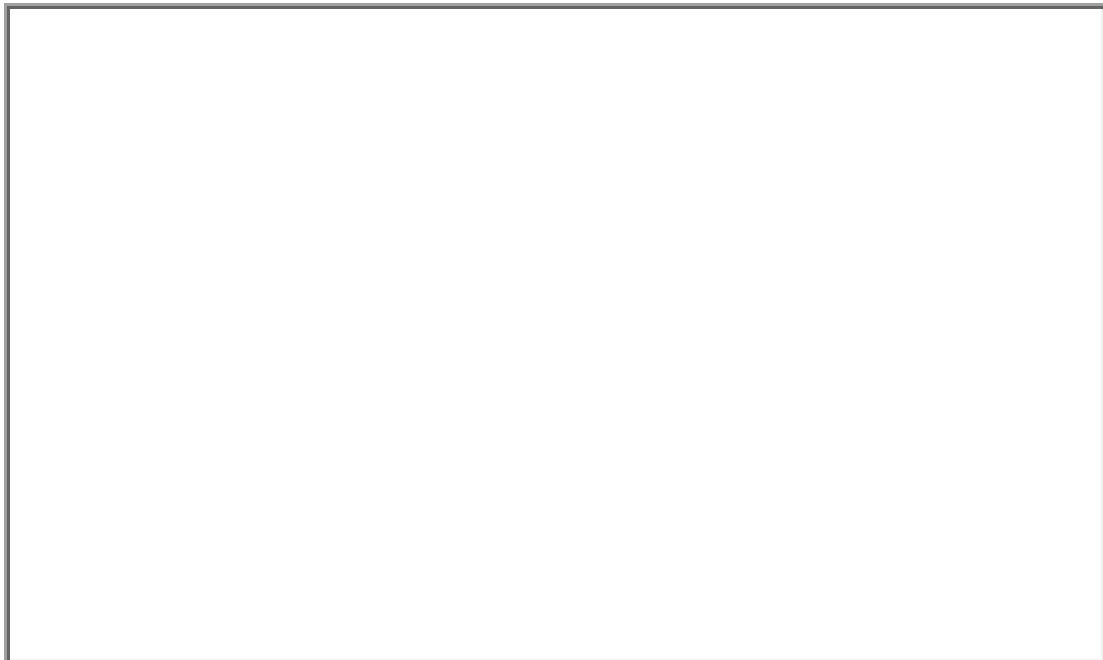
Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1199 is it in gis Yes

Complaint THE GENTLEMAN WHO LIVES HERE WASHED SOMETHING ON HIS PROPERTY AND THE WATER WENT DOWN THE BLOCK IN THE GUTTER. THE SUBSTANCE IS WHITE AND CHALKY AND WE ARE AFRAID IT IS A HARSH CHEMICAL THAT COULD BE HARMFUL. THERE ARE CHILDREN IN THE AREA AND WE ARE CONCERNED

Field Observation THERE WAS SOME WHITE DRY RESIDUE ALONG THE GUTTER AT THIS AREA

Initial Action THE RESIDENT DENIED DUMPING ANYTHING INTO THE GUTTER.





Address **508 VASSAR DR SE**

Inspection Date 9/25/2023 Reporting Date 9/25/2023

Customer Brandi Hughes-WA SOURCE 311 311CASE\_ID 230925-000645

Customer\_Ph 842-9287 e\_mail bhughes@abcwua.org

X\_Link Complaint type Grey Water Inspector NR

Facility Contac residents Facility\_Ph\_No na

Suspected\_Facility homes NO 1200 is it in gis Yes

Complaint THEY WENT OUT THERE BUT IT'S NOT A LEAK.

Field Observation WATER WAS COMING OUT THRU A SIDEWALK CULVERT. UNABLE TO LOCATE THE SOURCE

NO ACTION

Initial Action



Address **SUN PLAZA APARTMENTS AT 4400 MONTGOMERY NE**

Inspection Date 9/25/2023 Reporting\_Date 9/24/2023

Customer Wesley T. McDonough-WA SOURCE email 311CASE\_ID email

Customer\_Ph 842-9287 e\_mail wmcdonough@abcwua.org

X\_Link Complaint type Sewage Inspector nr

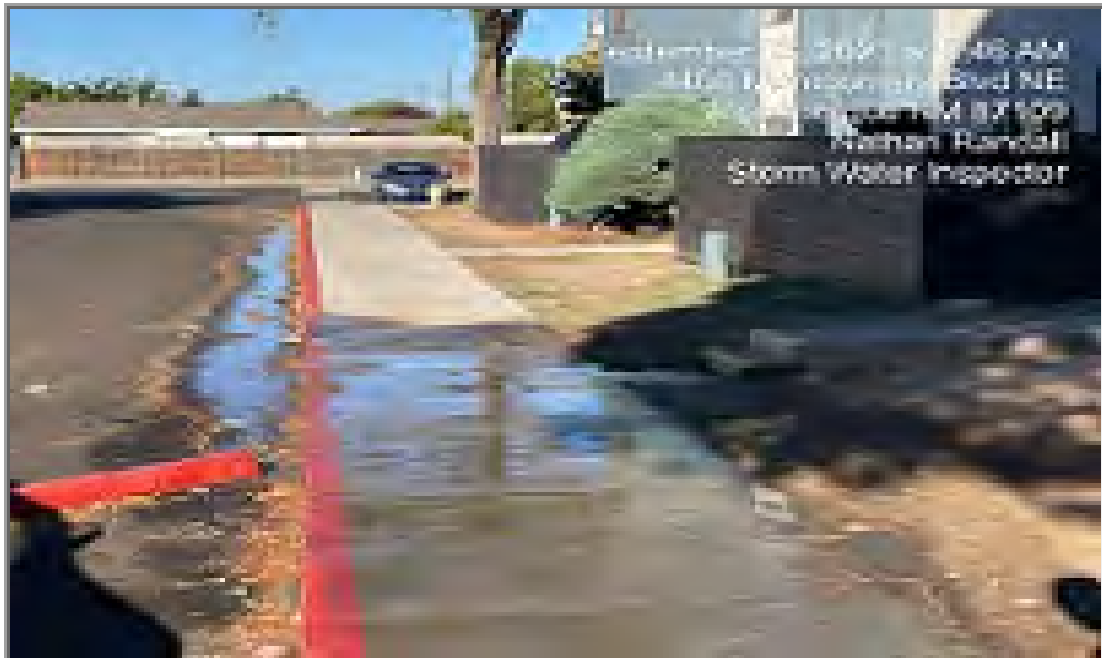
Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility SUN PLAZA Apartments NO 1201 is it in gis Yes

Complaint THIS WAS NAS AS THE SEWAGE WAS FLOWING OUT OF THE HS CLEANOUTS INTO THE GUTTER AND STORM DRAIN ON MONTGOMERY.

Field Observation THE PROBLEM WAS FIXED AT THE TIME INSPECTOR ARRIVED THERE

Initial Action THE INSPECTOR ASKED THE MANAGER TO CLEAN UP THE CONTAMINATED AREA.



Address **RV AT 6235 CHURCHILL RD SW**

Inspection Date 10/12/2023 Reporting Date 10/11/2023

Customer Anonymous SOURCE web 311CASE\_ID web

Customer\_Ph na e\_mail na

X\_Link Complaint type Sewage Inspector sk

Facility Contac RV owner Facility\_Ph\_No na

Suspected\_Facility RV NO 1202 is it in gis Yes

Complaint

RV WASTE IS BEING DUMPED IN STREET AND RUNNING INTO STORM DRAIN

Field Observation

RV WAS PARKED AT THIS ADDRESS. THEY HAD CAR PROBLEM. THERE WAS NO DISCHARGE FROM THE RV

Initial Action

I SPOKE TO THE OWNER OF RV AND GAVE HIM EDUCATIONAL BROCHURES.



Address **2026 CANDELARIA NW**

Inspection Date 10/12/2023 Reporting Date 10/10/2023

Customer Dean Carroll SOURCE MS4 com 311CASE\_ID MS4 comp

Customer\_Ph 883-3078 e\_mail deancarroll@live.com

X\_Link Complaint type Foul Odor Inspector sk

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1203 is it in gis Yes

Complaint THE PROPERTY AT 2026 CANDELARIA NW IS DUMPING LARGE QUANTITIES OF ANIMAL WASTE IN A LARGE PILE UNMANAGED OR ATTENDED. THE PILE IS APPROXIMATELY 4FT HIGH AND ABOUT 8FT IN DIAMETER. THE ODOR IS EXCESSIVE AND UNBEARABLE, IT IS ATTRACTING FLIES AND SKUNKS.

Field Observation THE PILE OF LEAVES AND TREE CLIPPINGS WERE NOT INTENDED AS ANIMAL WASTE COMPOSITE AND NO ODOR NEAR THE PILE. HE HAS 6 GOATS CONFINED WITHIN A FENCE, AND THEIR WASTE IS DUMPED TO CITY TRASH BIN. NO STORMWATER

Initial Action I ASKED HIM TO KEEP THE AREA CLEAN AND GAVE HIM EDUCATIONAL MATERIAL



Address

## BARELAS PS OUTFALLS

Inspection Date

10/11/2023

Reporting Date

10/11/2023

Customer

Dan McGregor

SOURCE

email

311CASE\_ID

email

Customer\_Ph

na

e\_mail

dmcgregor@bernco.gov

X\_Link

Complaint type

Trash

Inspector

sk

Facility Contac

na

Facility\_Ph\_No

na

Suspected\_Facility

Barelas pump station

NO

1204

is it in gis

Yes

Complaint

THERE ARE 4 STORM DRAIN OUTLETS WHICH DUMP FOUL SMELLING WATER AND PLASTIC POLLUTANTS INTO THE RIO GRANDE NEAR THE BRIDGE BLVD. 2 OF THE OUTLETS ARE ENTIRELY CLOGGED BY PLASTIC TRASH AND ONE OF THE GRIDS MEANT TO CATCH THE TRASH IS OFF ITS PIPE AND IN THE

Field Observation

ONE OF THE PIPES WAS MISSING THE SCREEN BARS, THE OTHER TWO PIPES WERE COVERED WITH PLASTIC BAGS.

WE ARE IN THE PROCESS TO FIX THE PROBLEM.

Initial Action



Address **125 VALENCIA NE**

Inspection Date 10/12/2023 Reporting Date 10/11/2023

Customer Anonymous SOURCE 311 311CASE\_ID 231011-000899

Customer\_Ph na e\_mail

X\_Link Complaint type Hazardous Material Inspector sk

Facility\_Contac manager Facility\_Ph\_No na

Suspected\_Facility business NO 1205 is it in gis Yes

Complaint  
ILLEGAL DUMPING OF CHEMICALS AND LIQUID, FLOWS UNDER CULVERT AND SPREADS IN STREET. NO DRAIN IN AREA LETS THIS GO ANYWHERE.

Field Observation  
THERE WAS SOME DRIED COLORD SPOTS AT THE END OF SIDEWALK CULVERT.

Initial Action  
I ASKED THEM NOT TO DISCHARGE ANY POLLUTED WASH WATER TO THE STREET AND GAVE HER SOME POLLUTION PREVENTION BROCHURE.





Address **3501 PAN AMERICAN FRWY NE**

Inspection Date 10/19/2023 Reporting Date 10/18/2023

Customer Esperanz Louissena-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3551 e\_mail elouissena@abcwua.org

X\_Link Complaint type Sewage Inspector nr

Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility business NO 1206 is it in gis Yes

Complaint SEWER LEAK.

Field Observation THERE WAS SOME WATER FLOW ALONG THE ROAD COMING OUT FROM THIS BUSINESS

THEY FIXED THE LEAK AND CLEANED THE AREA

Initial Action



Address **4200 PROSPECT AVE NE**

Inspection Date 10/24/2023 Reporting Date 10/23/2023

Customer Diane SOURCE web 311CASE\_ID web

Customer\_Ph 871-1324 e\_mail cgabe8217@gmail.com

X\_Link Complaint type Trash Inspector nr

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility Mobile homes NO 1207 is it in gis Yes

Complaint CAR PARTS MOTOR CYCLE PARTS BED FRAMES BASKETS DUMPED BY NEIGHBOR

Field Observation INSPECTOR SPOKE WITH TENANT , SAID ALL TRASH AND PARTS WERE PICKED UP.

Initial Action NO ACTION



Address **804 CHELWOOD PK NE**

Inspection Date 10/26/2023 Reporting Date 10/25/2023

Customer Esperanz Louissena-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3551 e\_mail elouissena@abcwua.org

X\_Link Complaint type Sewage Inspector nr

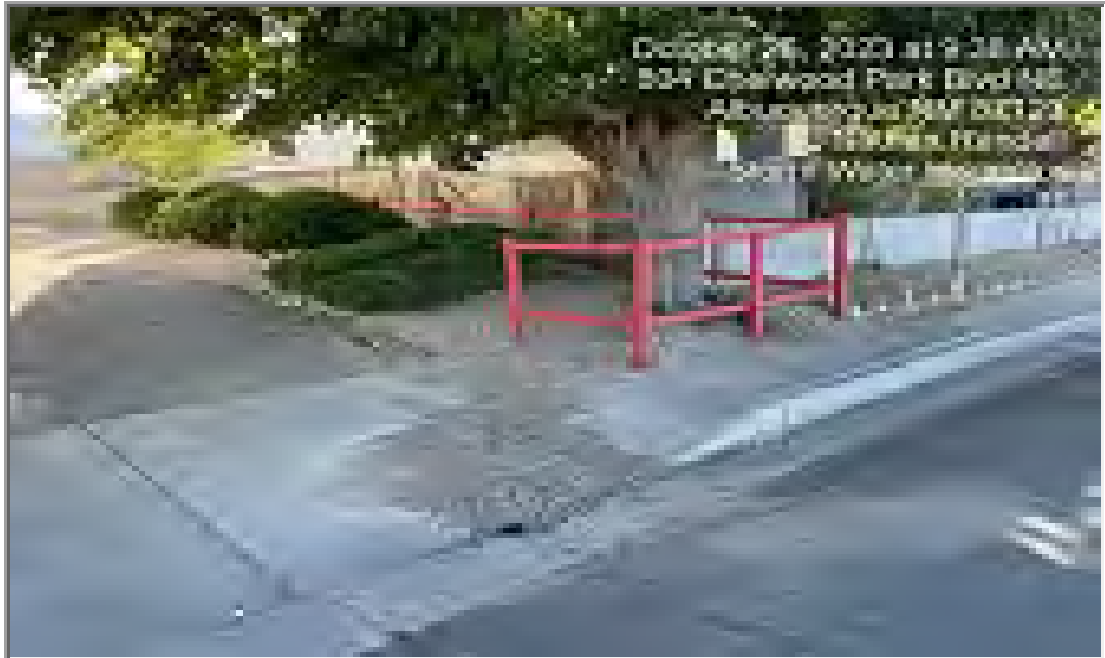
Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility mobile homes NO 1208 is it in gis Yes

Complaint SEWER LEAK

Field Observation THE LEAK WAS FIXED

Initial Action NO ACTION



Address **1407 COPPER AVE NE.**

Inspection Date 10/30/2023 Reporting\_Date 10/27/2023

Customer Derrek King-WA SOURCE email 311CASE\_ID email

Customer\_Ph 803-8076 e\_mail dking@abcwua.org

X\_Link Complaint type Sewage Inspector nr

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1209 is it in gis Yes

Complaint SEWAGE LEAKING INTO THE ALLEY WAY FROM 1407 COPPER AVE NE.

Field Observation THE ALLEY WAS WET BEHIND THIS ADDRESS

Initial Action THEY DID FIX THE LEAK.



Address **1524 SAN CLEMENTE NE**

Inspection Date 11/1/2023 Reporting\_Date 10/30/2023

Customer Anonymous SOURCE 311 311CASE\_ID 231030-001828

Customer\_Ph na e\_mail na

X\_Link Complaint type Sewage Inspector nr

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1210 is it in gis Yes

Complaint DUMPING SEWAGE INTO MAN HOLE

Field Observation THE AREA WAS CLEAN BUT NO ONE WAS HOME.

Initial Action LEFT EDUCATIONAL MATERIAL AT THIS NEIGHBORHOOD



Address **5009 EL CORTE MIRAMAR NE**

Inspection Date 11/15/2023 Reporting Date 11/10/2023

Customer James Pierce SOURCE 311 311CASE\_ID 231110-000228

Customer\_Ph 301-2570 e\_mail jamespierce3@earthlink.net

X\_Link Complaint type OIL Inspector nr

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1211 is it in gis Yes

Complaint CAR OIL DUMPED ON PRIVATE PROPERTY, THAT DRAINED INTO A STORM DRAIN/ARROYO BEHIND A SHED IN SW CORNER OF APARTMENT COMPLEX.

Field Observation IT WAS OIL LEAK FROM THE TRUCK

Initial Action ASKED THE RESIDENT TO CLEAN UP THE OIL SPOTS AND LEFT EDUCATIONAL MATERIAL WITH THE RESIDENT





Address **614 FITZGERALD RD NW**

Inspection Date 12/1/2023 Reporting Date 12/1/2023

Customer Laurie Begnaud SOURCE 311 311CASE\_ID 231130-000410

Customer\_Ph (518) 229-8660 e\_mail mailto:lauriebegnaud@gmail.c

X\_Link Complaint type Construction Inspector nr

Facility Contac supervisor Facility\_Ph\_No na

Suspected\_Facility construction site NO 1212 is it in gis Yes

Complaint

STORM WATER FROM DMD HAS VIOLATED JOB SITE.

Field Observation

ILLICIT DISCHARGE FROM THIS SITE WAS VISIBLE. NO INLET PROTECTIONS WERE ON SITE

Initial Action

INSPECTOR ASKED THE CONTRACTOR TO STOP WORKING UNTILL THEY CLEAN UP THE SITE.



Address **ARIOSO APTS AT 7303 MONTGOMERY NE**

Inspection Date 12/6/2023 Reporting Date 12/1/2023

Customer Myrna Duarte-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3523 e\_mail mailto:mduarte@abcwua.org

X\_Link Complaint type Sewage Inspector nr

Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility Arioso Apts NO 1213 is it in gis Yes

Complaint THIS IS A COLLAPSED SEWER LINE AND IT IS CAUSING AN APARTMENT TO FLOOD AND OVERFLOW DOWN THE STREET ONTO THE SIDEWALK AND INTO THE STORM DRAINS.

Field Observation CONTRACTOR WAS ON SITE FIXING THE COLLAPSED LINE

INSPECTOR ASKED THE MANAGER TO CLEAN UP THE SITE.

Initial Action



Address **3510 COORS SW**

Inspection Date 12/4/2023 Reporting\_Date 12/2/2023

Customer Diane Pettigrew-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3557 e\_mail mailto:dpettigrew@abcwua.or

X\_Link Complaint type Sewage Inspector nr

Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility business NO 1214 is it in gis Yes

Complaint THE HOUSE SIDE SEWER LINES AT THE SHOPPING CENTER WERE OVERFLOWING INTO THE PARKING LOT AND DOWN THE STREET TO THE STORM DRAIN.

Field Observation THE LEAK WAS FIXED

Initial Action ASKED THE MANAGER TO CLEAN UP THE AREA



Address **519 MADEIRA SE**

Inspection Date 12/8/2023 Reporting Date 12/7/2023

Customer Diane Pettigrew SOURCE email 311CASE\_ID email

Customer\_Ph 842-9287 e\_mail mailto:dpettigrew@abcwua.or

X\_Link Complaint type Sewage Inspector nr

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility appts NO 1215 is it in gis Yes

Complaint PRIVATE SEWER LINE BACKED UP AND OVERFLOWING

Field Observation THERE WAS PONDED SEWAGE AT THE SIDEWALK

Initial Action THE MANAGER FIXED THE LEAK AND CLEANED UP THE AREA



Address

SUN STATE PROPERTY AT 4711 MENCAL NE

Inspection Date

12/11/2023

Reporting Date

12/8/2023

Customer

King, Derrek -wa

SOURCE

email

311CASE\_ID

email

Customer\_Ph

na

e\_mail

dking@abcwua.org

X\_Link

Complaint type

Sewage

Inspector

nr

Facility Contac

manager

Facility\_Ph\_No

na

Suspected\_Facility

sun state property

NO

1216

is it in gis

Yes

Complaint

SEWAGE IS FLOWING FROM DUMPSTER AREA, THRU THE ALLEY WAY BEHIND ADDRESS AND INTO PEOPLES YARDS.

Field Observation

SEWAGE WAS COMING OUT FROM DUMPSTER AREA

THE BUSINESS CALLED A CONTRACTOR TO FIX THE BROKEN LINE.

Initial Action



Address **6104 MCLEOD NE**

Inspection Date 12/13/2023 Reporting Date 12/11/2023

Customer David SOURCE web 311CASE\_ID web

Customer\_Ph 773-814-5606 e\_mail mailto:demunar@gmail.com

X\_Link Complaint type Grey Water Inspector nr

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1217 is it in gis Yes

Complaint AT LEAST TWICE A WEEK, THE RESIDENCES AT 6104 MCLEOD RD NE DUMP THEIR DIRTY LAUNDRY WATER INTO STREET GUTTERS

Field Observation THE GUTTER WAS WET

Initial Action THE INSPECTOR ASKED THEM TO STOP DUMPING ANY GREY WATER TO THE GUTTER AND GAVE THE EDUCATIONAL MATERIAL





Address **RV AT 11213 BAJA NE**

Inspection Date 12/14/2023 Reporting Date 12/11/2023

Customer Eva Fain SOURCE 311 311CASE\_ID 231211-001850

Customer\_Ph (303) 704-1874 e\_mail evafain@yahoo.com

X\_Link Complaint type Sewage Inspector nr

Facility Contac rv owner Facility\_Ph\_No na

Suspected\_Facility rv NO 1218 is it in gis Yes

Complaint

ILLEGAL DUMPING IN INLET GRATE FROM RV

Field Observation

THE AREA WAS CLEAN AND THE OWNER DENIED DUMPING ANY THING INTO THE STORM DRAIN

INSPECTOR GAVE HIM EDUCATIONAL MATERIAL

Initial Action



Address **2100 WALTER SE**

Inspection Date 12/18/2023 Reporting Date 12/15/2023

Customer Glenn Deguzman SOURCE 311 311CASE\_ID 231215-000192

Customer\_Ph 362-6531 e\_mail na

X\_Link Complaint type Hazardous Material Inspector

Facility Contac na Facility\_Ph\_No

Suspected\_Facility home NO 1219 is it in gis Yes

Complaint BUCKET OF A SUBSTANCE PUT INTO THE STORM DRAIN INLET

Field Observation NO ONE WAS LIVING AT THIS ADDRESS.

Initial Action INSPECTOR DISTRIBUTE POLLUTION PREVENTION BROCHURE AT THIS AREA, AND GLUED NO DUMPING SIGN ON THE INLETS.



Address

APARTMENTS AT 1101 MADEIRA SE

Inspection Date

12/18/2023

Reporting Date

12/17/2023

Customer

Wesley McDonough-wa

SOURCE

email

311CASE\_ID

email

Customer\_Ph

289-3598

e\_mail

wmcdonough@abcwua.org

X\_Link

Complaint type

Sewage

Inspector

nr

Facility Contac

manager

Facility\_Ph\_No

265-4098

Suspected\_Facility

apartments

NO

1220

is it in gis

Yes

Complaint

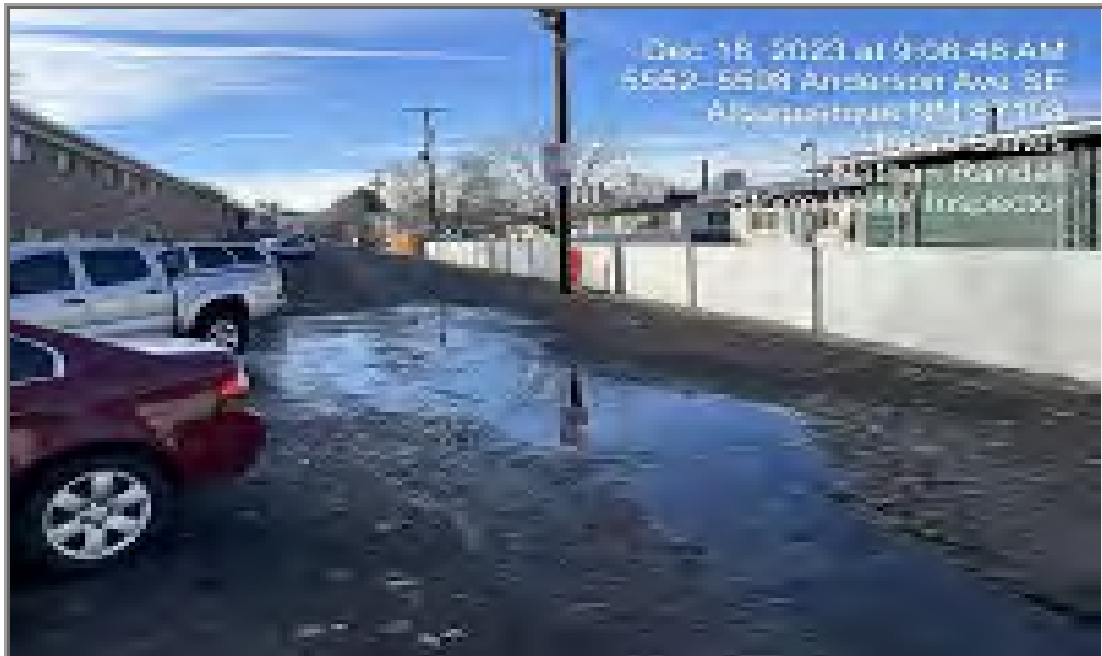
WE HAD A REPORT OF A LEAK AT THE ABOVE LOCATION

Field Observation

SEWAGE WAS COMING OUT FROM CLEAN OUT POINT

THE MANAGER DID UNCLOG THE LINE

Initial Action



Address **VISTA DEL SOL MOBILE HOME PARK AT 4501 BLAKE SW**

Inspection Date 12/28/2023 Reporting Date 12/27/2023

Customer Wesley McDonough-wa SOURCE email 311CASE\_ID email

Customer\_Ph 289-3598 e\_mail wmcdonough@abcwua.org

X\_Link Complaint type Sewage Inspector ml

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility mobile homes NO 1221 is it in gis Yes

Complaint SEWAGE LEAKE FROM THIS PARK

Field Observation SEWAGE WAS COMING OUT FROM A PRIVATE SANETARY LINE MH AT THIS LOCATION AND RUNING DOWN ALONG BLABE.

Initial Action ROTO ROOTER WAS CALLED IMMEDIATELY AND UNCLOGED THE LINE AND CLEAND THE AREA



Address **9528 CORDOVA NE**

Inspection Date 12/29/2023 Reporting Date 12/28/2023

Customer Diane Pettigrew-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3557 e\_mail dpettigrew@abcwua.org

X\_Link Complaint type Sewage Inspector ml

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1222 is it in gis Yes

Complaint WA CREW FOUND THE HOUSE SIDE PRIVATE SEWER LINE BACKING UP INTO THE YARD FROM CLEANUTS AND FLOWING INTO THE STREET

Field Observation NO BODY WAS HOME BUT THERE WAS NO OVERFLOWING.

LEFT EDUCATIONAL MATERIAL AT THIS ADDRESS

Initial Action



Address

RANCHWOOD AND WESTWOOD NW

Inspection Date

1/16/2024

Reporting Date

1/11/2024

Customer

Debbie Lopez

SOURCE

311

311CASE\_ID

240111-002033

Customer\_Ph

507-7580

e\_mail

adtvlopez@gmail.com

X\_Link

Complaint type

Sewage

Inspector

nr

Facility Contac

RV resident

Facility\_Ph\_No

na

Suspected\_Facility

RV

NO

1223

is it in gis

Yes

RV DUMPED WASTE WATER INTO THE GUTTER

Complaint

Field Observation

THERE WAS SOME LEFT OVER SEWAGE RESIDUE UNDERNEATH THE RV CLEANOUTS.  
NO ONE WAS INSIDE THE RV

INSPECTOR LEFT HIS CARD ON THE DOOR

Initial Action



Address **ARROYO DEL OSO ELEMENTARY 6504 HARPER DR NE**

Inspection Date 1/16/2024 Reporting\_Date 1/16/2024

Customer nr SOURCE drive by 311CASE\_ID drive by

Customer\_Ph 273-0278 e\_mail

X\_Link Complaint type Construction Inspector nr

Facility Contac superintendent Facility\_Ph\_No na

Suspected\_Facility Arroyo Del Oso Elementa NO 1224 is it in gis Yes

Complaint STREET IS COVERED WITH MUD

Field Observation THE SOURCE OF MUD WAS FROM A CONSTRUCTION SITE

Initial Action INSPECTOR ASKED THE CONTRACTOR TO CLEAN UP THE AREA AND IMPROVE THEIR BMPS





Address

**DRAINAGE EASEMENT BY 7502 TRAIL RIDGE NE**

Inspection Date

1/16/2024

Reporting Date

1/16/2024

Customer

Kristine Sanchez

SOURCE

web

311CASE\_ID

web

Customer\_Ph

1225

e\_mail

X\_Link

Complaint type

Trash

Inspector

sk

Facility Contac

na

Facility\_Ph\_No

na

Suspected\_Facility

drainage easement

NO

1225

is it in gis

Yes

Complaint

ALLEY WAY---TRASH, LEAVES, DIRT, CLOTH.

Field Observation

THIS IS A DRAINAGE EASEMENT

FORWARDED TO ARROYO MAINTENANCE FOR CLEAN UP

Initial Action

Empty rectangular box for initial action or notes.

Address **CITY HALL AT 400 MARQUETTE NW**

Inspection Date 1/18/2024 Reporting\_Date 1/18/2024

Customer DL SOURCE drive by 311CASE\_ID drive by

Customer\_Ph 250-1986 e\_mail

X\_Link Complaint type Power Wash Inspector DL

Facility Contac manager Facility\_Ph\_No 883-7766

Suspected\_Facility steamatic nm co. NO 1226 is it in gis Yes

Complaint POWER WASHING THE SIDEWALK INFRONT OF CITY HALL

Field Observation STEAMATIC NM, A POWER WASHING CO. POWER WASHED IN FRONT OF CITY HALL

Initial Action I SNPECTOR ASKED THE MANAGER TO VACUM THE DIRTY WATER PONDED AFTER POWERWASH.



Address **5009 EL CORTE MIRAMAR NE**

Inspection Date 1/22/2024 Reporting Date 1/18/2024

Customer Anonymous SOURCE 311 311CASE\_ID 240118-002230

Customer\_Ph na e\_mail na

X\_Link Complaint type Hazardous Material Inspector nr

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1227 is it in gis Yes

Complaint

RESIDENT DUMPING PAINT, CHEMICALS AND OIL IN DRAIN

Field Observation

THERE WAS SOME PAINT RESIDUE ON TOP OF THE GRATE BY THIS ADDRESS

Initial Action

INSPECTOR GLUED NO DUMP SIGN ON THE INLET.



Address **6715 EAGLE ROCK NE**

Inspection Date 1/23/2024 Reporting Date 1/22/2024

Customer Jeanette Clark SOURCE email 311CASE\_ID email

Customer\_Ph 321-9189 e\_mail jeanettabells@gmail.com

X\_Link Complaint type Hazardous Material Inspector ja

Facility Contac na Facility\_Ph\_No na

Suspected\_Facility business NO 1228 is it in gis Yes

Complaint REQUEST TO INSPECT A BUSINESS AT UNIT G.

Field Observation THE BUSINESS AT UNIT G WAS CLOSED. THE DUMPUSTER WAS LEAKING

Initial Action INSPECTOR REPORTED THE DUMPESTER TO 311 FOR REPLACEMENT.



Address **CIS ELECTRONIC COMPONENTS AT 4800 ALAMEDA NE**

Inspection Date 1/22/2024 Reporting Date 1/20/2024

Customer Charles Barber SOURCE email 311CASE\_ID email

Customer\_Ph na e\_mail cbarber@cabq.gov

X\_Link Complaint type Hazardous Material Inspector nr

Facility Contac manager Facility\_Ph\_No 348-4230

Suspected\_Facility CIS NO 1229 is it in gis Yes

Complaint  
EHD GOT THIS CALL ( FOR FIRE AT CIS 4800 ALAMEDA)FROM AFR OVER THE WEEKEND AND I WANTED TO MAKE SURE YOU GOT IT AS THEY WERE CONCERNED ABOUT RUNOFF GOING INTO THE DRAINS.

Field Observation  
THERE WAS ELECTRICAL FIRE OUTSIDE THIS FACILITY

AFR WAS AT THE SITE. NO CHEMICAL REACHED THE STORM DRAINS.

Initial Action



Address **271 LA VIDA NUEVA DEL OESTE SW**

Inspection Date 1/16/2024 Reporting Date 1/16/2024

Customer Wesley McDonough-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3598 e\_mail wmcdonough@abcwua.org

X\_Link Complaint type Sewage Inspector nr

Facility Contac Resident Facility\_Ph\_No na

Suspected\_Facility home NO 1230 is it in gis Yes

Complaint SEWAGE IS LEAKING OUT OF THE CLEANOUTS IN THE BACK YARD

Field Observation SEWAGE IS LEAKING OUT OF THE CLEANOUTS IN THE BACK YARD

Initial Action THE RESIDENT IS IN PROCESS OF FIXING THE LEAK.



Address

THE GROVE AT TRAMWAY APTS AT 12050 CANDELARIA NE

Inspection Date

1/17/2024

Reporting Date

1/16/2024

Customer

Wesley McDonough-WA

SOURCE

email

311CASE\_ID

email

Customer\_Ph

289-3598

e\_mail

wmcdonough@abcwua.org

X\_Link

Complaint type

Sewage

Inspector

ml

Facility Contac

Manager

Facility\_Ph\_No

na

Suspected\_Facility

Tramway Apts

NO

1231

is it in gis

Yes

Complaint

A PRIVATE SEWER LINE BY THE WALKING PATH LEAKING.

Field Observation

WA DETERMINED THE SOURCE OF LEAK TO THIS ADDRESS.

THE MANAGER IS WORKING TO FOX THE LEAK AND CLEAN UP THE AREA

Initial Action





Address **6000 MONTANO PLAZA NW**

Inspection Date 1/22/2024 Reporting Date 1/21/2024

Customer Wesley McDonough-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3598 e\_mail wmcdonough@abcwua.org

X\_Link Complaint type Sewage Inspector nr

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility apartment complex NO 1232 is it in gis Yes

Complaint SANITARY MH OVERFLOWING AT THIS APARTMENT COMPLEX

Field Observation THE PRIVATE MH AT THIS ADDRESS WAS OVERFLOWING

Initial Action THE MANAGER FIXED THE CLOG AND CLEANED UP THE AREA



Address **246 WISCONSIN NE**

Inspection Date 2/6/2024 Reporting Date 2/5/2024

Customer ML SOURCE drive by 311CASE\_ID drive by

Customer\_Ph 980-4384 e\_mail mluna@cabq.gov

X\_Link Complaint type Sewage Inspector ml

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1233 is it in gis Yes

Complaint SEWAGE OVERFLOW AT CLENOUT POINT

Field Observation SEWAGE OVERFLOW AT CLENOUT POINT

Initial Action THE LAND LOARD IS IN THE PROCESS OF FIXING THE LINE.



Address **2021 ZEARING NW**

Inspection Date 1/26/2024 Reporting Date 1/25/2024

Customer Amanda Morefield-planning SOURCE email 311CASE\_ID email

Customer\_Ph 263-5519 e\_mail amorefield@cabq.gov

X\_Link Complaint type Foul Odor Inspector JA

Facility Contac na Facility\_Ph\_No

Suspected\_Facility shope NO 1234 is it in gis No

Complaint  
THERE ARE 55 GALLON DRUMS OF SOME SORT OF CHEMICAL BEING STORED ON THE PROPERTY. NEIGHBORS ADVISED THAT THEY CAN SMELL CHEMICAL FUMES, AND AT TIMES THE PEOPLE ON THIS PROPERTY ARE REPORTED TO HAVE BEEN OBSERVED DISCHARGING CHEMICALS ONTO THE STREET.

Field Observation  
THERE IS AN UNKNOWN CONTENT OF A 55 GALLON DRUM OPEN TOP ON THE PROPERTY.

NO BODY IS IN THIS ADDRESS

Initial Action



Address **520 MONTCLAIRE SE**

Inspection Date 2/16/2024 Reporting Date 2/13/2024

Customer Jeremiah Baumgartel SOURCE 311 311CASE\_ID 240213-000101

Customer\_Ph 239-1496 e\_mail mailto:jerbaum@gmail.com

X\_Link Complaint type Sewage Inspector NR

Facility Contac Resident Facility\_Ph\_No

Suspected\_Facility RV NO 1235 is it in gis Yes

Complaint  
ILLEGAL DUMPING IN THE SEWER FROM RV

Field Observation  
THERE WAS NO DRIED SEWAGE RESIDUE AT THIS ADDRESS. NOBODY WAS HOME

LEFT POLLUTION PREVENTION BROCHURES AT THIS LOCATION

Initial Action



Address **LOUISIANA AND COMANCHE NE**

Inspection Date 2/22/2024 Reporting Date 2/20/2024

Customer Thomas Graham SOURCE 311 311CASE\_ID 240220-001098

Customer\_Ph 387-9250 e\_mail

X\_Link Complaint type Grey Water Inspector NR

Facility Contac na Facility\_Ph\_No

Suspected\_Facility na NO 1236 is it in gis Yes

Complaint

HAHN ARROYO HAS BEEN RUNNING WATER CONSTANTLY FOR OVER A WEEK.

Field Observation

THOMAS WELL 6 (3503 WYOMING BLVD NE) WAS THE SOURCE. IT IS CLEAN WELL WASH WATER

NO ACTION NEEDED

Initial Action



Address **501 TULANE SE**

Inspection Date 3/4/2024 Reporting Date 4/10/2023

Customer Anonymous SOURCE 311 311CASE\_ID 231004-000263

Customer\_Ph na e\_mail na

X\_Link Complaint type OIL Inspector ml

Facility Contac resident Facility\_Ph\_No

Suspected\_Facility home NO 1237 is it in gis Yes

Complaint THE OWNER OPERATING VEHICLE DETAILING BUSINESS, HE DUMPS CHEMICALS INTO GUTTER AND EMITTING NOXIOUS ODORS

Field Observation NO BODY WAS HOME

LEFT POLLUTION PREVENTION BROCHURES AT THIS ADDRESS

Initial Action



Address **1400 WILLIAM ST SE**

Inspection Date 3/14/2024 Reporting Date 3/13/2024

Customer Anonymous SOURCE 311 311CASE\_ID 240313-002036

Customer\_Ph na e\_mail na

X\_Link Complaint type OIL Inspector ml

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1238 is it in gis Yes

Complaint DUMPING SOLVENT INTO THE STORM DRAIN

Field Observation THE INLET IN FRONT OF THIS HOUSE WAS DIRTY

Initial Action NO ONE WAS HOME. LEFT EDUCATIONAL MATERIAL AT THIS ADDRESS





Address **CHAMPION XPRESS CAR WASH AT 5301 4TH ST. NW**

Inspection Date 3/25/2024 Reporting Date 3/19/2024

Customer Norma Jean Scott andv NME SOURCE email 311CASE\_ID email

Customer\_Ph 531-7956 e\_mail nafis.fuad@env.nm.gov

X\_Link Complaint type Grey Water Inspector ML

Facility Contac Manager Facility\_Ph\_No na

Suspected\_Facility Champion Xpress Car wa NO 1239 is it in gis No

Complaint

STANDING WATER FOR MORE THAN A MONTH IN A RETENTION POND

Field Observation

THERE WAS SOME WATER IN THE POND INFILTRATING VERY SLOW

Initial Action

WE REPORTED THE CASE TO ED TO SPRAY THE POND FOR MOSQUITO CONTROL



Address **5009 EL CORTE MIRAMOR NE (SPAIN-EUBANK)**

Inspection Date 4/15/2024 Reporting Date 3/14/2024

Customer James Pierce SOURCE 311 311CASE\_ID 240314-002118

Customer\_Ph 301-2570 e\_mail jamespierce3@earthlink.net

X\_Link Complaint type Hazardous Material Inspector nr

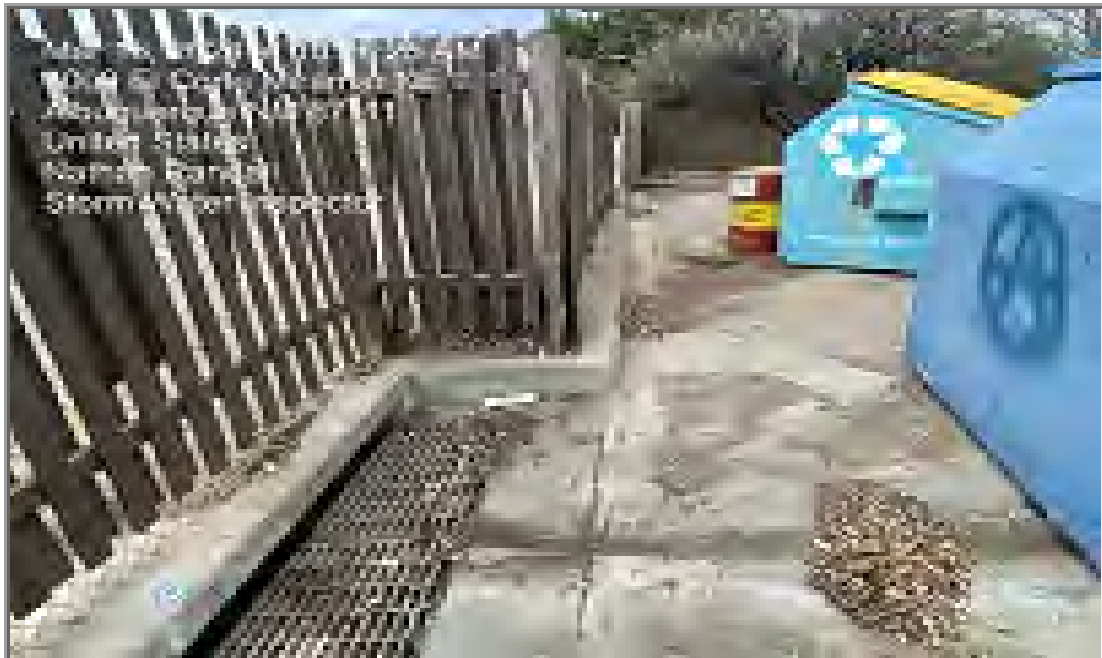
Facility Contac manager Facility\_Ph\_No na

Suspected\_Facility home NO 1240 is it in gis Yes

Complaint CONTAINERS AND TANK ARE HIDDEN THERE BELONGING TO UNIT 5009D AND STRONG SMELL OF DISEAL AND STAINS FROM DUMPING

Field Observation THERE WAS A 55 GAL CONTAINER ON THE SITE LEAKING OIL

Initial Action INSPECTOR ASKED THE MANAGER TO CLEAN UP THE AREA AND REMOVE THE CONTAINER, AND THEY DID.



Address **2301 HEADINGLY NW**

Inspection Date 3/19/2024 Reporting Date 3/18/2024

Customer Anonymous SOURCE 311 311CASE\_ID 240318-001776

Customer\_Ph na e\_mail na

X\_Link Complaint type Construction Inspector ml

Facility Contac duke city contractor Facility\_Ph\_No na

Suspected\_Facility NO 1241 is it in gis No

Complaint DUKE CITY CEMENT MIXERS ARE CLEANING RESIDUE FROM THE MIXER ONTO THE DRAINAGE EASTMENT EAST OF SITE ADDRESS.

Field Observation CONCRETE WASH WAS VISIBLE ON THE SITE

Initial Action INSPECTOR ASKED THE CONTRACTOR TO CLEAN UP THE AREA AND THEY DID



Address **3500 COORS SW**

Inspection Date **4/11/2024** Reporting Date **4/11/2024**

Customer **ml** SOURCE drive by **311CASE\_ID** drive by

Customer\_Ph  e\_mail

X\_Link  Complaint type **OIL** Inspector **ml**

Facility Contac **na** Facility\_Ph\_No

Suspected\_Facility  **na** **NO** **1242** is it in gis  **No**

Complaint **OIL SPILL ALONG THE ROAD**

Field Observation **THERE WAS LIGHT OIL SPOTS ALONG THE ROAD**

Initial Action **NO ACTION**



Address **7705 HANNETT NE**

Inspection Date 4/15/2024 Reporting Date 4/13/2024

Customer Anonymous SOURCE web 311CASE\_ID web

Customer\_Ph na e\_mail na

X\_Link Complaint type OIL Inspector na

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1243 is it in gis No

Complaint OIL/GAS FROM WORKING ON CARS

Field Observation THERE WERE SEVERAL OIL SPOTS AT THIS ADDRESS ON THE SIDE WALK AND STREET.

Initial Action NOBODY WAS HOME. LEFT EDUCATIONAL MATERIAL AT THIS ADDRESS



Address **1420 1/2 WALTER NE**

Inspection Date 4/16/2024 Reporting Date 2/15/2024

Customer Desiree Perea-WA SOURCE email 311CASE\_ID email

Customer\_Ph 842-9287 opt 1 e\_mail dperea@abcwua.org

X\_Link Complaint type Sewage Inspector ml

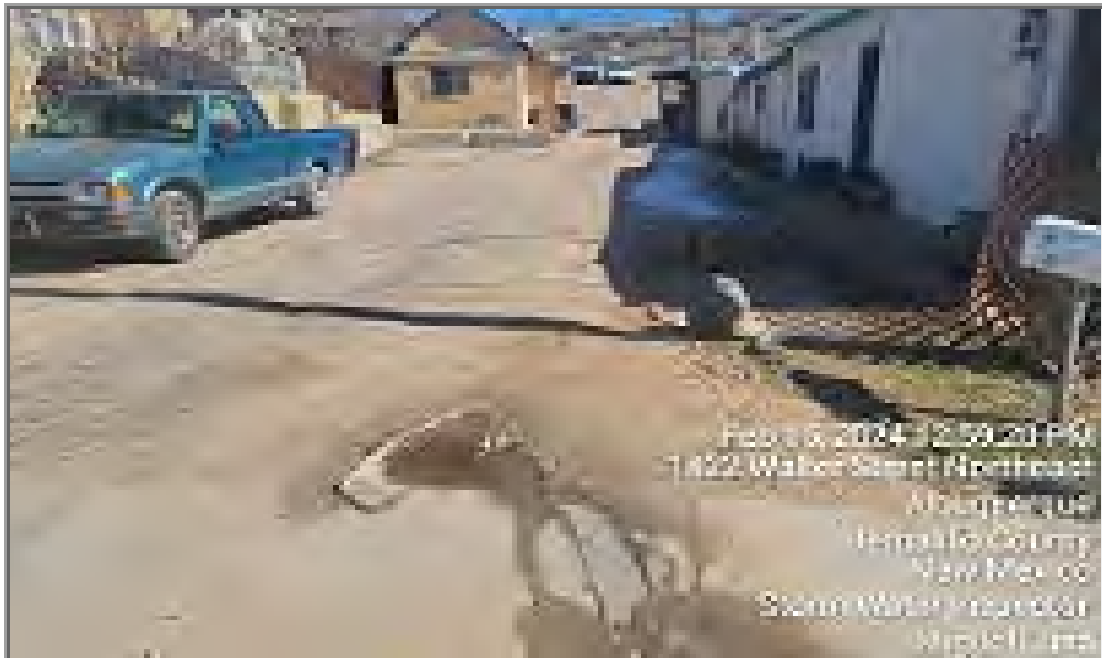
Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1244 is it in gis No

Complaint SEWAGE IS POOLING IN THE FRONT OF THE RESIDENCE, AND SLOWLY RUNNING DOWN THE ROAD

Field Observation SEWAGE IS POOLING IN THE FRONT OF THE RESIDENCE, AND SLOWLY RUNNING DOWN THE ROAD

Initial Action THE LAND LORD IS IN THE PROCESS TO FIX THE PROBLEM



Address **11311 LINN NE**

Inspection Date **2/20/2024** Reporting Date **2/16/2024**

Customer **Diane Pettigrew-WA** SOURCE email **311CASE\_ID** email

Customer\_Ph **842-9287 x1** e\_mail **dpettigrew@abcwua.org**

X\_Link  Complaint type **Sewage** Inspector **ml**

Facility Contac **resident** Facility\_Ph\_No **na**

Suspected\_Facility **home** **NO** **1245** is it in gis **No**

Complaint

SEWAGE FLOWING IN THE YARD AND DOWN THE STREET

Field Observation

SEWAGE FLOWING IN THE YARD AND DOWN THE STREET

Initial Action

THEY DID FIX THE SEWAGE OVERFLOW





Address **1515 8TH ST NW**

Inspection Date **2/26/2024** Reporting Date **2/25/2024**

Customer **Derrek king-WA** SOURCE email **311CASE\_ID** email

Customer\_Ph **na** e\_mail **dking@abcwua.org**

X\_Link **Complaint type** Sewage Inspector **ml**

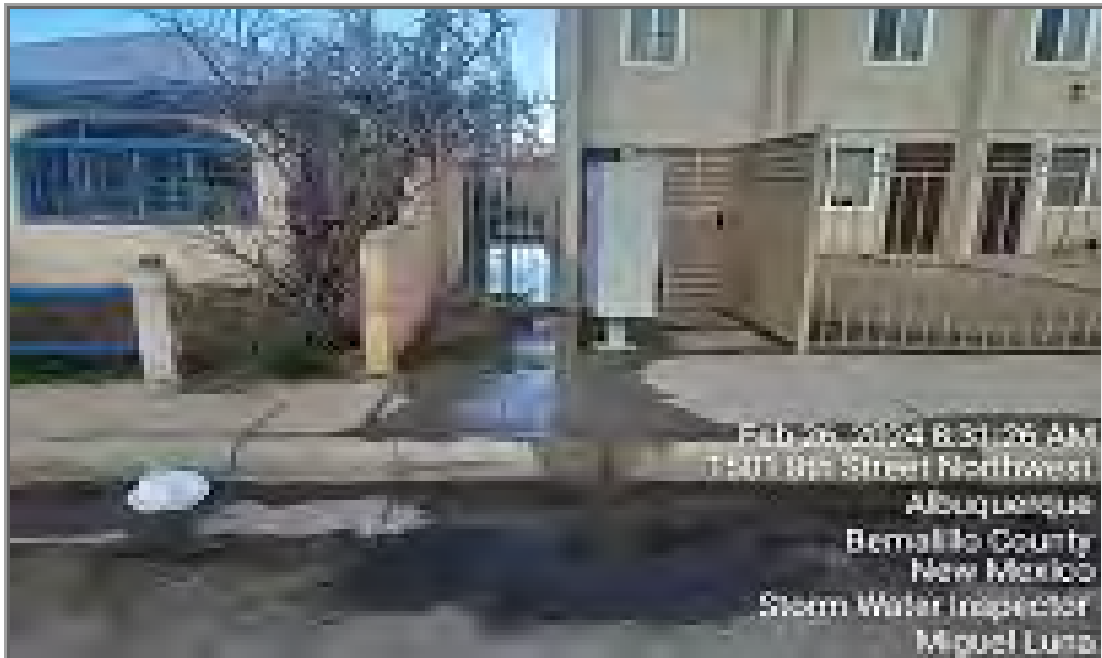
Facility Contac **manager** Facility\_Ph\_No **na**

Suspected\_Facility **apartments** NO **1246** is it in gis **No**

Complaint **SEWAGE FLOWING TO THE STREET FROM THIS APARTMENTS**

Field Observation **SEWAGE FLOWING TO THE STREET FROM THIS APARTMENTS**

Initial Action **REPAIRS WERE MADE, AND CLEANOUTS WERE INSTALLED. RESIDENTS WERE ALL BACK IN THEIR HOMES AND WE HAD NO REPORTS OF FURTHER ISSUES**



Address **226 LANSING SW**

Inspection Date 3/4/2024 Reporting Date 3/3/2024

Customer Estrellita Flores-WA SOURCE email 311CASE\_ID email

Customer\_Ph 289-3551 e\_mail eflores@abcwua.org

X\_Link Complaint type Sewage Inspector ml

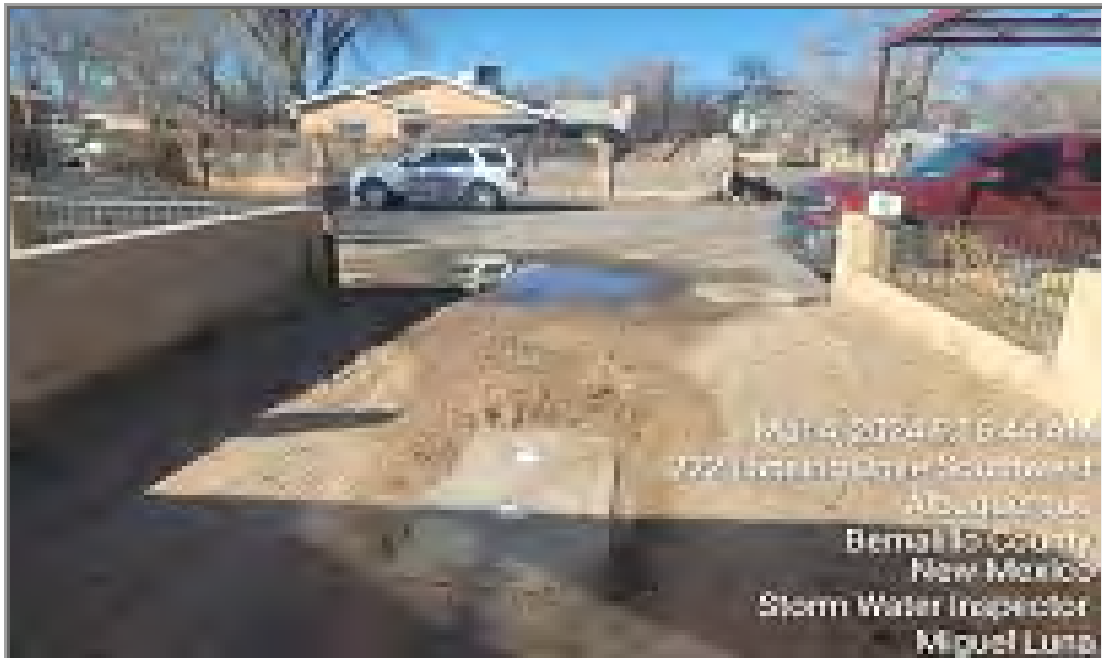
Facility Contac resident Facility\_Ph\_No

Suspected\_Facility home NO 1247 is it in gis No

Complaint  
THERE IS SEWER OVERFLOWING INTO THE STREET WHICH IS COMING FROM THIS ADDRESS

Field Observation  
THERE IS SEWER OVERFLOWING INTO THE STREET WHICH IS COMING FROM THIS ADDRESS

Initial Action  
THERE IS NO ACTIVE SSO AND ALL REPAIRS HAVE BEEN MADE AND CORRECTED BY ROTOR ROOTER



Address **12925 CENTRAL NE**

Inspection Date  Reporting Date

Customer  SOURCE  311CASE\_ID

Customer\_Ph  e\_mail

X\_Link  Complaint type  Inspector

Facility Contac  Facility\_Ph\_No

Suspected\_Facility  NO  is it in gis

Complaint

Field Observation

Initial Action



Address **634 ESPANOLA NE**

Inspection Date 3/11/2024 Reporting\_Date 3/8/2024

Customer SeeClickFix SOURCE 311 311CASE\_ID 240308-001657

Customer\_Ph na e\_mail na

X\_Link Complaint type Grey Water Inspector nr

Facility Contac resident Facility\_Ph\_No na

Suspected\_Facility home NO 1249 is it in gis No

Complaint A RESIDENT AT THIS ADDRESS LIVES IN A CAMPER IN THE BACK YARD AND DISCHARGES LIQUID WASTE SEVERAL TIMES A WEEK INTO THE STREET

Field Observation THERE WAS WATER ALONG THE GUTTER

Initial Action NOBODY WAS HOME. LEFT EDUCATIONAL MATERIAL AT THIS ADDRESS



Address **2025 RIDGECREST SE**

Inspection Date 4/10/2024 Reporting Date 4/9/2024

Customer Desiree Perea-WA SOURCE email 311CASE\_ID email

Customer\_Ph 842-9287 x1 e\_mail dperea@abcwua.org

X\_Link Complaint type Sewage Inspector ml

Facility Contac manager Facility\_Ph\_No

Suspected\_Facility business NO 1250 is it in gis No

Complaint SEWAGE IS LEAKING INTO THE STREET FROM THE BUSINESS.

Field Observation SEWAGE IS LEAKING INTO THE STREET FROM THE BUSINESS.

THEY DID FIX THE PROBLEM.

Initial Action



Address **501 TULANE SE**

Inspection Date 3/1/2024 Reporting Date 10/4/2023

Customer Lisa Martin SOURCE 311 311CASE\_ID 231004-000263

Customer\_Ph da e\_mail

X\_Link X:\MD\SHARE\M Complaint type Hazardous Material Inspector NR

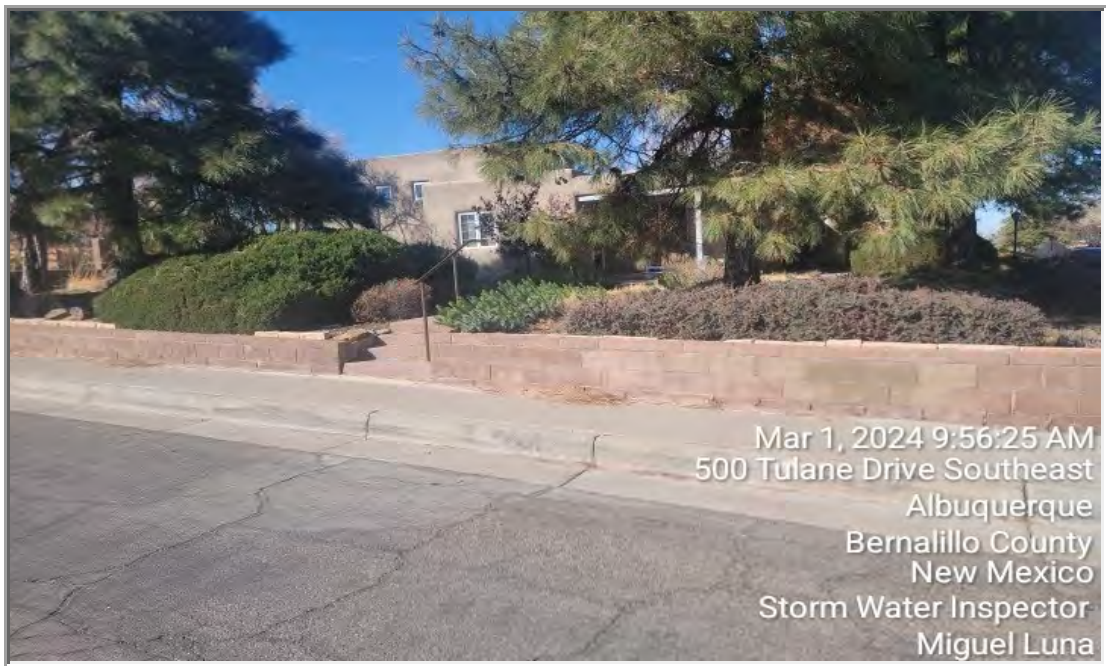
Facility Contac Facility\_Ph\_No

Suspected\_Facility NO 1251 is it in gis No

Complaint THE OWNER OF THIS RESIDENCE APPEARS TO BE OPERATING A COMMERCIAL VEHICLE  
DETAILING BUSINESS OUT OF THE HIGH BAY GARAGE THAT FACES GARFIELD.  
HE IS DUMPING CHEMICALS INTO THE GUTTER AND EMITTING NOXIOUS ODORS INTO  
THE NEIGHBORHOOD

Field Observation NO LUCK GETTING AHOLD OF THE PROPERTY OWNER. SOME PICTURES TAKEN  
AROUND THE AREA AND DID NOT SEE ANY VISUAL SIGNS OF CONTAMINANTS ON  
THE ROW.

Initial Action



Address **4516 HILTON AVE NE**

Inspection Date 4/25/2024 Reporting Date 4/24/2024

Customer SOURCE email 311CASE\_ID

Customer\_Ph e\_mail

X\_Link X:\MD\SHARE\M Complaint type Inspector NR

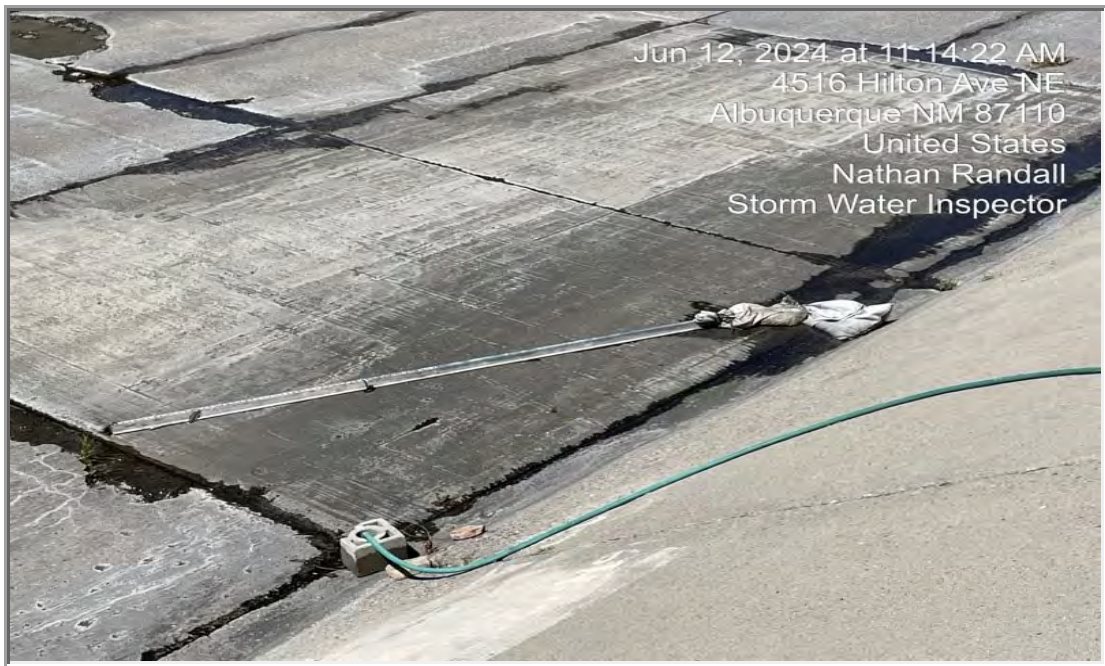
Facility Contac Facility\_Ph\_No

Suspected\_Facility NO 1252 is it in gis No

Complaint HOMEOWNER IS PUMPING WATER INTO THE HAHN ARROYO.

Field Observation INSPECTOR OBSERVED WATER GOING INTO THE ARROYO. INSPECTOR CONTACTED RESIDENT AND NOTIFIED HIM HE IS VIOLATION AND NEEDED TO REMOVE ASAP. FOLLOW-UP 5/8 SHOWED CONTINUED USE OF THE PUMP AND FLOODING ARROYO.

Initial Action INSPECTOR CONFISCATED THE FILTER/SCREEN IN HOPES TO STOP WATER PUMPING.





Address **1206 JEFFERSON NE**

Inspection Date 5/9/2024 Reporting Date 5/8/2024

Customer Kyle O'Malley SOURCE email 311CASE\_ID

Customer\_Ph e\_mail komalley200@gmail.com

X\_Link X:\MD\SHARE\M Complaint type Hazardous Material Inspector

Facility Contac pjsitges@gmail.com Facility\_Ph\_No

Suspected\_Facility Phillip Sitges NO 1253 is it in gis No

Complaint WHITE MATERIAL OBSERVED DRAINING INTO SEWER SYSTEM. (THE PRODUCT WE SPILT WAS LA HABRA CEMENT FINISH STUCCO COLONIAL WHITE. )

Field Observation INSPECTOR MET WITH RESIDENT AT THE LOCATION OF THE SPILL

Initial Action I UTILIZED A SHOVEL, LARGE BROOM AND WHEEL BARREL TO PICKUP THE SAND AND MOST OF THE COLORING AND PLACED IN OUR GARBAGE BIN. WE THEN UTILIZED AND POWER WASHER TO REMOVE THE REMAINING WHITE



Address **634 ESPANOLA ST NE**

Inspection Date 5/13/2024 Reporting\_Date 5/13/2024

Customer SeeClickFix SOURCE 311 311CASE\_ID 240512-000704

Customer\_Ph e\_mail

X\_Link Complaint type Hazardous Material Inspector

Facility Contac Facility\_Ph\_No

Suspected\_Facility NO 1254 is it in gis No

Complaint ONCE AGAIN THIS HOME IS DRAINING THE WASTE FROM THE RV LIVING IN THEIR BACKYARD. IT GOES DOWN THE BLOCK AND IT IS UNSANITARY AND UNSAFE FOR THE NEIGHBORHOOD. THIS HAS BEEN GOING ON OVER A YEAR.

Field Observation

Initial Action



Address **3205 MONTGOMERY BLVD NE**

Inspection Date 5/22/2024 Reporting Date 5/14/2024

Customer Frank Argyres SOURCE 311 311CASE\_ID 240514-000996

Customer\_Ph (505) 239-3781 e\_mail fargyres@gmail.com

X\_Link X:\MD\SHARE\M Complaint type Cooking grease Inspector NR

Facility Contac na Facility\_Ph\_No

Suspected\_Facility NO 1255 is it in gis No

Complaint

MISSING/RESET FOOD TRUCK IS DUMPING COOKING OIL INTO THE DRAIN.

Field Observation

INSPECTOR OBSERVED EVIDENCE OF ILLEGAL DISPOSAL

Initial Action

STORM INSPECTOR SPOKE WITH THE FOOD TRUCK OPERATOR TO ENCOURAGE PROPER COOKING OIL DISPOSAL



May 23, 2024 at 8:26:11 AM  
3205 Montgomery Blvd NE  
Albuquerque NM 87107  
United States  
Nathan Randall  
Storm Water Inspector



Address **607 HIGH ST NE**

Inspection Date 6/21/2024 Reporting Date 6/15/2024

Customer anonymous SOURCE 311 311CASE\_ID 240615-000487

Customer\_Ph n/a e\_mail

X\_Link X:\MD\SHARE\M Complaint type Nuisance Water Inspector NR

Facility Contac Facilities manager Jo Facility\_Ph\_No 505-727-1074

Suspected\_Facility NO 1256 is it in gis No

Complaint IT SMELLS AND LOOKS LIKE SEWAGE I LEAKING OUT AND POOLING ALONG THE SIDEWALK ALL THE WAY TO MARTINEZ TOWN PARK. THIS STANDING WATER AND MUCK HAS BEEN HERE SINCE AT LEAST EARLY MAY.

Field Observation INSPECTOR VISITED THE SITE AND DOCUMENTED VIOLATIONS

Initial Action STORM INSPECTOR NOTIFIED THE FACILITES MANAGER, WHO TOOK STEPS TO STOP THE LEAK. DOCUMENTED WITH PICTURES AND VIDEOS.



**Attachment 4b**  
**311 Inspections Collected on**  
**New FY24 Tracking System**

## New FY24 311 Tracking GIS Application

Count	Date *	Inspection Type	Case Number	Inspected By	Comments	Address
1	8/8/2023 16:32	311	<Null>	DJ Laskowski	<Null>	FIREMesaDelSol
2	8/21/2023 16:30	311	<Null>	DJ Laskowski	<Null>	2929JeffersonNE
3	11/30/2023 20:20	311	<Null>	Nathan Randall	<Null>	1800 Central SE
4	12/15/2023 20:33	311	<Null>	Nathan Randall	<Null>	4217 Delamar NE
5	2/29/2024 20:27	311	Pond 124	Miguel Luna	Erosion complaint	6904 Brianna Loop
6	4/24/2024 19:48	311	240424-000275	Nathan Randall	Behind house rain water into her yard	6313 Gonzales rd SW
7	4/29/2024 14:54	311	<Null>	Miguel Luna	Concrete washout on private land by Coyote Concrete	8320 Palomas NE
8	5/13/2024 17:01	311	240508-000559	Nathan Randall	Raise wall along pond	6509 honey Locust Ave NW
9	5/23/2024 16:45	311	240522-002280	Miguel Luna	Water flowing into arroyo	5301 Palo Duro NE
10	5/28/2024 17:09	311	240525-000895	Miguel Luna	Oil being dumped into storm drain	150 Woodward SE
11	5/29/2024 16:01	311	311	Miguel Luna	Blowing landscaping material into ROW	914 Broadway SE
12	5/30/2024 20:27	311	240503-002028	Miguel Luna	Heavy traffic easement to arroyo	4201 Landau NE
13	5/31/2024 15:33	311	MS4	Miguel Luna	No dumped material on site	5620 Miami NW
14	6/6/2024 13:46	311	240603-000144	Miguel Luna	RV discharging liquid	10000 Chantilly NW
15	6/12/2024 14:46	311	Call in	Miguel Luna	Patch work being conducted by COA Streets	5009 Palo Duro NE
16	6/12/2024 16:39	311	240610-002748	Miguel Luna	Urine being dumped down storm drain. Negative results	Anderson and San Pedro
17	6/12/2024 19:56	311	240611-002752	Nathan Randall	<Null>	120 La Plata Rd NW
18	6/12/2024 20:58	311	240610-002153	Nathan Randall	Water not draining	3401 Cuervo Dr NE
19	6/13/2024 20:14	311	MS4	Miguel Luna	Illicit discharge with no resolution	Claremont and Richmond
20	6/13/2024 20:16	311	<Null>	Javier Ayala	Request for ACS response [Incident: 240613-00129Homeless encampment [Incident: 240613-001258]0 --	<Null>
21	6/14/2024 14:31	311	<Null>	Javier Ayala	fallow up on 311	<Null>
22	6/17/2024 21:21	311	<Null>	Nathan Randall	Dumping oil	753 Jewel PI NE
23	6/24/2024 19:10	311	No info	Miguel Luna	Hosing down grease down storm drain	125 2nd St NW
24	6/26/2024 16:01	311	240626-000450	Miguel Luna	No resolution	520 Wheeler SE
25	6/27/2024 16:24	311	240620-002864	Miguel Luna	No answer at the door. Left business card and brochures at the door.	248 Monte Largo NE

**Attachment 4c**  
**FY24 ArcGIS Map**  
**All Inspections**



# Legend

## Inspector Tracking

### Inspection Type

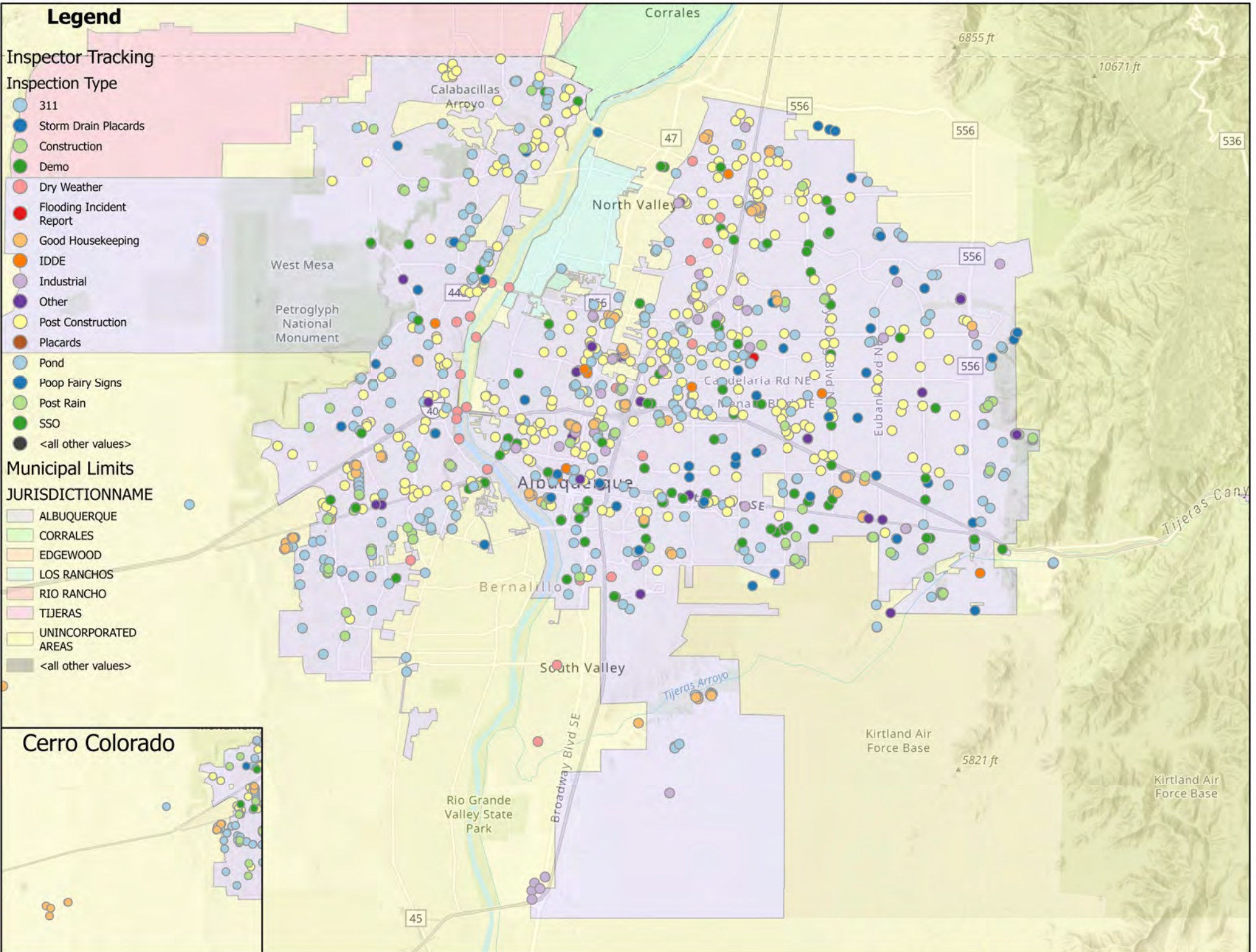
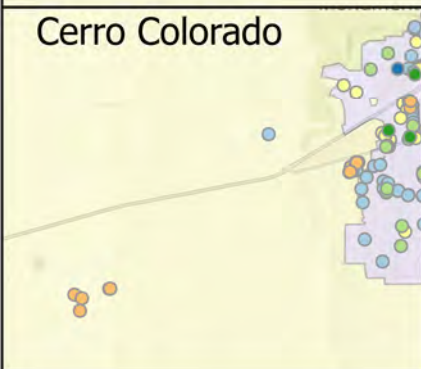
- 311
- Storm Drain Placards
- Construction
- Demo
- Dry Weather
- Flooding Incident Report
- Good Housekeeping
- IDDE
- Industrial
- Other
- Post Construction
- Placards
- Pond
- Poop Fairy Signs
- Post Rain
- SSO
- <all other values>

## Municipal Limits

### JURISDICTIONNAME

- ALBUQUERQUE
- CORRALES
- EDGEWOOD
- LOS RANCHOS
- RIO RANCHO
- TIJERAS
- UNINCORPORATED AREAS
- <all other values>

## Cerro Colorado



**Attachment 5**  
**FY24 Post-Construction**  
**Inspections**

Date *	Inspection Type *	Case Number	Comments	Address
9/8/2023 23:00	Post Construction	E12D015C	ANDALUCIA Villas 5300 Antequera nw	
9/8/2023 23:00	Post Construction	E12D015	Andalucia Bosque School Ponds A & B	
9/20/2023 23:00	Post Construction	E17D034C	ARRAY TECH ADDITION	
9/20/2023 23:00	Post Construction	E17D041F	PURVIS INDUSTRIES WAREHOUSE	
9/20/2023 23:00	Post Construction	E17D076	INDEPENDENCE SQUARE	
9/20/2023 23:00	Post Construction	E18D019C	MCDONALDS - 6300 SAN MATEO BLVD NE	
9/26/2023	Post Construction	E12D015A	Bosque School	
9/27/2023	Post Construction	E18D059	SAN ANTONIO OFFICE/RETAIL	
9/27/2023	Post Construction	F14D038	DOUGLAS MACARTHUR COURTYARD	
9/27/2023 23:00	Post Construction	E18D030A	T-MOBILE STORE #228	
10/3/2023	Post Construction	F14D073	LIFE SPRINGS CHRISTIAN CHURCH	
10/3/2023	Post Construction	F15D032	MONTANO TRANSIT CENTER - 130 & 138 MONTANO	
10/3/2023	Post Construction	F16D001	STATE EMPLOYEE CU - 3521 MONTGOMERY	
10/11/2023	Post Construction	F15D052B	AClass STORAGE	
10/13/2023	Post Construction	F16D005K	DREAM STYLE - TRACT 4A2	1460 N Renaissance NE 87107
10/13/2023	Post Construction	F16D017	SKILLED NURSING FACILITY	1610 N Renaissance NE 87107
10/17/2023	Post Construction	F16D003B1	OSO BIO WAREHOUSE FREEZER PROJECT	
10/17/2023	Post Construction	F17D006	CHEDDARS CASUAL CAFÉ	4865 PAN AMERICAN NE 87109
10/20/2023	Post Construction	F17D006A	BUBBAS 33 RESTURANT	4861 PAN AMERICAN FWY NE
10/20/2023	Post Construction		FAIRFIELD	4875 PAN AMERICAN FRWY
10/20/2023	Post Construction		HAMPTON INN & SUITES	4412 THE 25 WAY 87109
10/20/2023	Post Construction		DAVITA	5201 SAN MATEO NE
10/25/2023	Post Construction	F17D096	Red Rock Roasters	4801 JEFFERSON NE 87109
10/25/2023	Post Construction		DEL NORTE HIGH SCHOOL	F18D054
10/25/2023	Post Construction		SMITHS #485 FUEL STATION	6941 MONTGOMERY NE 87109
10/25/2023	Post Construction	F19D013C	STARBUCKS	4601 WYOMING NE
10/25/2023	Post Construction	F20D021	HEIGHTS SEVEN DAY ADVENTIST CHURCH	4920 WYOMING 87111
10/27/2023	Post Construction	F21D063	HPL ENDODONTICS	10429 LAGRIMA DE ORO NE 87111
10/27/2023	Post Construction	F21D080	FIRST CHRISTIAN CHURCH	10101 MONTGOMERY BLVD NE 87111
10/27/2023	Post Construction	F22D002	SANDIA AREA FEDERAL CREDIT UNION	11301 MONTGOMERY NE 87111
11/1/2023	Post Construction	G10D029B	HORIZON ACADEMY WEST	30021 TODOS SANTOS NW 87120
11/1/2023	Post Construction	G11D023	WENDY'S	

11/1/2023	Post Construction	G11D031	TUCSON ROAD RETAIL SHOPS	
11/1/2023	Post Construction	G11D048	DESERT HILLS MODERNIZATION- 5310C SEQUOIA NW	
11/1/2023	Post Construction	G11D051	DESERT HILLS MODERNIZATION- 5200C SEQUOIA NW	
11/3/2023	Post Construction	G11D069A	COORS RETAIL PAVILION - LOT 2	
11/3/2023	Post Construction	G11D069B	COORS RETAIL PAVILION - LOTS 4	
11/3/2023	Post Construction	G13D010	VALLEY HIGH SCHOOL GYMNASIUM (1505 CANDELARIA RD)	
11/3/2023	Post Construction	G14D004	NORTH VALLEY SENIOR FITNESS CENTER - 3825 4TH ST NW	
11/14/2023	Post Construction	G14D066	COMMERCIAL & APARTMENT BUILDING -PHASE II	
11/14/2023	Post Construction	G14D071	DELS HIDE A WAY SUBD	
11/14/2023	Post Construction	G14D085	LOVATO, PHILIP & SONS	
11/14/2023	Post Construction	G15d001	ALBUQUERQUE OPPORTUNITY CENTER - RESPITE CARE ADDITION - 715 CANDELARIA	
11/14/2023	Post Construction	G15D009	STORMAX STORAGE ADDITIONS 106 & 109 MESCALERO RD	
11/21/2023	Post Construction	G15D061	RANKIN TRAINING FACILITY SITE RENOVATIONS	
11/21/2023	Post Construction	G15D201	DISCOUNT TOWING	
11/21/2023	Post Construction	G16D004	AAA ROOFING STORAGE SPACE	
11/29/2023	Post Construction	G16D095E	National Electric	
11/29/2023	Post Construction	G16D096	SEATTLE FISH CO	
11/29/2023	Post Construction	G16D103	LA CUMBRE Cold Storage Building	
12/1/2023	Post Construction	G16D149	MAIN EVENT	
12/1/2023	Post Construction	G16D150	COLES METAL - 3435 VASSAR DR NE	
12/1/2023	Post Construction	G16D152	WINNELSON ALBUQUERQUE - 3545 PRINCETON AVE NE	
12/6/2023	Post Construction	G17D006C	STARBUCKS	
12/6/2023	Post Construction	G17D011	ROCK AND BREWS	
12/6/2023	Post Construction	G17D019	MCKINLEY MIDDLE SCHOOL 7TH GRADE CLASSROOM	
12/6/2023	Post Construction	G17D019A	APS FAMILY SCHOOL EAST SIDE	
12/6/2023	Post Construction	G17D037	HODGIN E.S. KIINDERGARDEN ADDITION	

12/6/2023	Post Construction	G19D018	Albuquerque Commercial Center	
12/6/2023	Post Construction	G19D021	SANDIA HIGH SCIENCE MATH BULIDING	
12/8/2023	Post Construction	G19D037	COMANCHE ELEMENTARY SCHOOL PH. 1	
12/8/2023	Post Construction	G21D020	JUAN TABO LIBRARY	
12/8/2023	Post Construction	G21D033	MITCHELL ELEMENTARY SCHOOL ADDITION	
12/14/2023	Post Construction	G21D012F	WASHINGTON FEDERAL BANK	
12/15/2023	Post Construction	H09D024	HERITAGE MARKET PLACE - 1800 UNSER BLVD NW	1800 UNSER NW
12/15/2023	Post Construction	H09D026	TACO BELL AT HERITAGE MARKETPLACE	1740 Unser NW 87120
12/15/2023	Post Construction	H09D027	HERITAGE MARKET PLACE TRACT C-3 - 1720 UNSER BLVD	1720 Unser NW 87120
12/15/2023	Post Construction	H11D021	WEST MESA MIINI STORAGE PHASE 1 - 2559 COORS	2559 COORS
12/15/2023	Post Construction	H10D006A5	UNSER & VISTA ORIENTE SHELL BUILDING	2220 Unser NW 87120
12/15/2023	Post Construction	H11D062	ST. PETER & PAUL CHURCH -	5800 OURAY RD NW
12/15/2023	Post Construction	H11D068	ATRISCO APARTMENTS - 1720 ATRISCO DR NW	1720 ATRISCO DR NW
12/27/2023	Post Construction	H11D069	WIENERSCHNITZEL	2551 CORONA NW 87120
12/27/2023	Post Construction	H11D071	GOOD 2 GO	1535 COORS NW 87121
12/28/2023	Post Construction	H12D001	LOS DURANES COMMUNITY CENTER - 2920 LEOPOLDO RD NW	2920 LEOPOLDO RD NW
12/29/2023	Post Construction	H13D009	MCDONALDS - 1120 INDIAN SCHOOL	1120 INDIAN SCHOOL
1/9/2024	Post Construction	H12D008A	MONTESSORI ON THE RIO GRANDE - 1650 GABALDON DR NW	1650 GABALDON NW 87104
1/9/2024	Post Construction	H13D021	STARBUCKS COFFEE	1000 RIO GRANDE NW 87104
1/9/2024	Post Construction		1010 RIO GRANDE BLVD NW-BURGER KING	1010 RIO GRANDE BLVD NW-
1/10/2024	Post Construction	H13D025A	SAWMILL VILLAGE	1751 Bellamah NW 87104
1/10/2024	Post Construction	H13D057	SAWMILL CROSSING SUBDIVISION UNIT 2-CHANNEL CONS	1731 Band Saw PI NW 87104
1/16/2024	Post Construction	H13D106	AIS RETAIL	2400 12th st NW 87102
1/16/2024	Post Construction	H14D002	FRANCISCAN ACRES SUBDIVISION A,B,C	310 indian school NE 87102
1/16/2024	Post Construction	H14D041	ADVANCED AUTO PARTS STORE	2801 4TH ST NW 87107
1/16/2024	Post Construction	H14D067	FIRST BAPTIST CHURCH NOON DAY CAMPUS - 2400 2ND ST NW	2400 2ND ST NW
1/18/2024	Post Construction	H15D015	FOUR POINTS BY SHERATON	1660 UNIVERSITY NE 87102
1/18/2024	Post Construction	H15D016	SUNSET MEMORIAL PARK CREMATORY	924 MENAUL NE 87107
1/18/2024	Post Construction	H15D065	GALLES CHEVROLET	2801 UNIVERSITY NE 87107
1/18/2024	Post Construction	H16D083A3	MURPHYS EXPRESS	2707 CARLISLE NE 87107

1/18/2024	Post Construction	H16D083D	RICHMOND SWITCHING STATION	2300 RICHMOND DR NE
1/26/2024	Post Construction	H16D087	VA ELECTRIC	2207 CANDELARIA NE 87107
1/26/2024	Post Construction	H16D147	MATTHEW DRIVE STORAGE ADDITION	3309 MATTHEW NE
1/26/2024	Post Construction	H16D148	TMOBILE RETAIL BUILDING	2700 CARLISLE NE 87110
1/26/2024	Post Construction	H17D036A2	GREEN JEANS	3600 CUTLER NE 87110
1/26/2024	Post Construction	H17D086	STONE AGE CLIMBING GYM	4130 CUTLER AVE NE 87110
2/1/2024	Post Construction	G20D036	SHEPHERD LUTHERAN CHURCH	
2/1/2024	Post Construction	H17D089A	CALIBERS TRACT - 4360 cutler B1F	4340 cutler NE 87110
2/1/2024	Post Construction	H17D103	PLAZA at SAN MATEO - 2451 SAN MATEO NE	2451 SAN MATEO NE
2/1/2024	Post Construction	H17D111	ADVANCE AUTO PARTS - SAN MATEO & CLAREMONT	2807 SAN MATEO NE 87110
2/1/2024	Post Construction	H18D005C	LONGHORN STEAKHOUSE RESTURANT CORNADO	6600 MENAUL NE 87110
2/1/2024	Post Construction	H18D005D	THE CHEESECAKE FACTORY	6600 MENAUL NE 87110
2/1/2024	Post Construction	H18D007C	NEW FUTURE ADDITION - 5400 CUTLER AV NE	5400 CUTLER AV NE
2/1/2024	Post Construction	H18D018	MORGAN STANLEY CONVERSION	6701 UPTOWN NE 87110
2/1/2024	Post Construction	H19D055A	MAIN BANK - 7300 MENAUL NE	7300 MENAUL NE
2/8/2024	Post Construction	H19D080	PROSPECT APARTMENTS-7020 PROSPECT AVE NE	7020 PROSPECT NE
2/8/2024	Post Construction	H20D033	AZTEC SPECIAL EDUCATION FACILITY	2611 Eubank NE 87112
2/8/2024	Post Construction	H21D049	GILLIANI OFFICE	10412 MENAUL BLVD NE
2/8/2024	Post Construction	H21D051	DUNKIN DONUTS	2301 JUAN TABO BLVD NE
2/8/2024	Post Construction	H22D035	OÑATE ELEMENTARY SCHOOL CLASSROOM	12415 BRENTWOOD HILLS
2/9/2024	Post Construction	H19D082	ABQ. UPTOWN ASSISTED LIVING	7611 Indian School NE
2/9/2024	Post Construction	H20D003D	Raising Cain's-Woming	2004 Wyoming NE 87112
2/9/2024	Post Construction	H21D010	COLLET PARK ELEMENTRY SCHOOL	2100 Morris NE 87112
2/14/2024	Post Construction	H20D003C	CHICK FIL A	2274 WYOMING BLVD NE
2/14/2024	Post Construction	J08D002	APS COMMUNITY SPORTS STADIUM	1601 ARROYO VISTA BLVD NW
2/14/2024	Post Construction	J08D002A	WESTSIDE REGIONAL SPORTS COMPLEX	1801 Arroyo Vista NW 87120
2/14/2024	Post Construction	J09D021	BRUCKNER TRUCK SALES - TRACT 20 & 21	8101 Daytona NW 87121
2/14/2024	Post Construction	J09D022	TRAPNELL ORTHODONTICS	6401 Los Volcanes NW 87121
2/14/2024	Post Construction	J09D025	ABQ RIDE DAYTONA DESIGN - 8001 Daytona Rd NW	8001 Daytona Rd NW
2/14/2024	Post Construction	J10D005	WEST MESA HIGH SCHOOL NEW CLASSROOMS-PHASE 2	6701 FORTUNA NW 87121
2/21/2024	Post Construction	J10D013	NORTH COORS STORAGE - 615B COORS NW	615 COORS NW 87121
2/21/2024	Post Construction	J10D031	RIVERGLEN APARTMENTS-6801 GLENRIO NW	6801 GLENRIO NW



2/21/2024	Post Construction	J10D044	INLAND KENWORTH - FORTUNA & GALLATIN	7701 FORTUNA NW 87121
2/21/2024	Post Construction	J11D012	PAT HURLEY COMMUNITY CENTER	3828 Rincon NW 87105
2/21/2024	Post Construction	J12D009	REGINALD CHAVEZ ELEMENTRY SCHOOL CLASSROOM ADDITIONS	2700 Mountain NW 87104
2/21/2024	Post Construction	J12D028	CASA GRANDE & EL VADO DEVELOPMENT-2500 CENTRAL	2500 CENTRAL SW 87104
2/22/2024	Post Construction	J13D010	COUNTRY CLUB PLAZA BUILDING 2 - 1720 CENTRAL	1720 CENTRAL SW
2/22/2024	Post Construction	J13D037	PLAZA HACIENDA ADDITION	1919 Old Town NW 87104
2/22/2024	Post Construction	J13D053	MCDONALDS OLD TOWN - 2305 CENTRAL AVE NW	2305 CENTRAL NW 87104
2/23/2024	Post Construction	J10D043	GLENRIO APARTMENTS	6901 Glenrio NW
2/23/2024	Post Construction	J11D037	MCDONALD'S HANOVER AND COORS-REVISION#2	1501 COORS NW 87121
2/23/2024	Post Construction	J13D066	NEW HOTEL CHACO- 2000 BELLAMAH NW 87104	2000 BELLAMAH NW 87104
2/23/2024	Post Construction	J13D070	EXPLORA SCIENCE CENTER & CHILDREN'S MUSEUM ADDITION & RENOVATION	1701 Mountain NW 87104
2/23/2024	Post Construction	J13D096	GARCIAS FOOD PREP WAREHOUSE - 1736 CENTRAL	1736 Central SW 87104
2/28/2024	Post Construction	J13D097	NMAS HOUSING PROJECT - 1023 CENTRAL AVE NW	1023 CENTRAL AVE NW
2/28/2024	Post Construction	J13D099	ACE LEADERSHIP HIGH SCHOOL	1240 SAWMILL NW 87104
2/28/2024	Post Construction	J13D100	GORMAN WAREHOUSE ADDITION	1330 12TH NW 87104
2/28/2024	Post Construction	J13D101	BLUE LYNX WAREHOUSE	1820 Bellamah NW 87104
2/28/2024	Post Construction	J14D140	MARBLE BREWERY	111 MARBLE NW 87102
2/28/2024	Post Construction	J14D167	St. Joseph's on fifth	1516 5TH ST NW 87102
2/28/2024	Post Construction	J14D171	GRANITE PARKING LOT - 950 4TH ST	950 4TH ST 87102
2/28/2024	Post Construction	J14D172	ALBUQUERQUE HEALTHCARE FOR THE HOMELESS EXPANSION- 1220 1ST ST LOMR F # 160	1217 1ST NW 87125
2/29/2024	Post Construction	J14D173	CUATRO DEVELOPMENT - 1319 4TH ST NW	1319 4TH ST NW 87102



2/29/2024	Post Construction	J15D001	ALBUQUERQUE High School - CEC PORTABLE RELOCATION	800 Odelia NE 87102
2/29/2024	Post Construction	J16D007	JEFFERSON MIDDLE SCHOOL PHASE 1 MUSIC CLASSROOM ADDITION	712 Girard NE 87106
2/29/2024	Post Construction	J16D009	MONTEZUMA ELEMENTARY SCHOOL - 3100 INDIAN SCHOOL	3100 INDIAN SCHOOL NE 87106
2/29/2024	Post Construction	J17D012	STARBUCKS - 4407 LOMAS BLVD SE	STARBUCKS - 4407 LOMAS BLVD
3/6/2024	Post Construction	J19D067	INEZ ELEMENTARY SCHOOL	1700 Pennsylvania NE
3/6/2024	Post Construction	J19D085	ALICE KING CHARTER SCHOOL	8100 Mountain NE 87110
3/6/2024	Post Construction	J21D029	JACKSON MIDDLE SCHOOL - 10600 INDIAN SCHOOL NE	10600 INDIAN SCHOOL NE
3/6/2024	Post Construction	J21D037	JEANNE BELLAMAH COMMUNITY CENTER - 11516 SUMMER AVE	11516 SUMMER AVE
3/6/2024	Post Construction	J22D012A	MONTEREY BAPTIST CHURCH - 12501 LOMAS NE	12501 LOMAS NE
3/6/2024	Post Construction	J22D012D	PETER PIPER PIZZA	1000 Juan Tabo NE 87112
3/7/2024	Post Construction	na	Journey Pediatrics - 8308 Constitution NE	8308 Constitution NE
3/7/2024	Post Construction	J19D026	JERRY CLINE PARK TENNIS CENTER	7205 CONSTITUTION NE 87110
3/7/2024	Post Construction	J19D038	DAVE AND BUSTERS	2100 Louisiana NE 87110 suit
3/7/2024	Post Construction	J19D058B	WINROCK SITE - RED ROBIN - 2100 LOUISIANNA	2100 LOUISIANNA NE Bldg 217,
3/7/2024	Post Construction	J19D071B	LA MADELEINES	2110 Louisiana NE 87110
3/7/2024	Post Construction	J20D027	TLC PET AND UPTOWN CAT HOSPITAL	1300 Wyoming NE 87112
3/13/2024	Post Construction	J19D004C	KASEMAN CENTER STAGE 4	8300 Constitution NE 87110
3/13/2024	Post Construction	J22D067	BELLA VISTA ASSISTED LIVING	13101 CONSTITUTION NE 87112
3/13/2024	Post Construction	K09D014B	GODFATHERS PIZZA	311 98TH ST SW 87121
3/13/2024	Post Construction	K09D016	CORNING ROAD TRUCK WASH	9920 Avalon NW 87121
3/13/2024	Post Construction	K09D031B	CHURCHES CHICKEN	140 98TH NW 87121
3/13/2024	Post Construction	K09D038	APPLEBEES - VOLCANO AND 98TH ST	251 98TH NW 87121
3/20/2024	Post Construction	K09D026A	FED EX GROUND - DAYTONA	8000 Daytona NW 87121
3/20/2024	Post Construction	K10D014	ALBUQUERQUE RENAL CONSTRUCTION	300 UNSER NW 87121
3/20/2024	Post Construction	K09D037	L & C Transport Private Metal GARAGE	8705 CENTRAL NW 87121
3/20/2024	Post Construction	K09D040	VILLAGE OF AVALON APARTMENTS	601 90th NW 87121
3/20/2024	Post Construction	K10D001B	FREDDY'S	131 COORS NW 87121
3/21/2024	Post Construction	K10D018B	Mini Warehouses-141 Airport NW	141 Airport NW 87121

3/21/2024	Post Construction	K10D025C	COORS & CENTRAL RETAIL 6660 CENTRAL AVE SW	6660 CENTRAL AVE SW
3/21/2024	Post Construction	K10D055	WEST ROUTE 66 ADDITION-library-8081 CENTRAL NW	8081 CENTRAL NW
3/21/2024	Post Construction	K10D056	DCI SOUTHWEST MESA - 8217 CENTRAL NW	8217 CENTRAL NW
3/21/2024	Post Construction	K11D077	COSME RETAIL	6205 Central NW
3/21/2024	Post Construction	K11D081	CHURCH'S CHICKEN STORE 695 - 5407 CENTRAL	5407 CENTRAL NW
3/27/2024 23:00	Post Construction	K10D008A	OLD DOMINION FREIGHT LINE	330 Airport NW 87121
3/27/2024 23:00	Post Construction	K11D082	LOT 26-A LAVALAND	6501 Central NW 87121
3/27/2024 23:00	Post Construction	K12D015A	WEST CENTRAL/ATRISCO-4100 CENTRAL SW 87105	4100 CENTRAL SW 87105
3/27/2024 23:00	Post Construction	K12D032	BOBS BURGER - 4506 CENTRAL SW	4506 CENTRAL SW 87105
3/27/2024 23:00	Post Construction	K13D072	SILVER MOON LODGE PH. 2 - 918 CENTRAL	918 CENTRAL
3/27/2024 23:00	Post Construction	K14D005	JACKSON-WINK MMA ACADEMY	301 MARTIN LUTHER KING NE
3/27/2024 23:00	Post Construction	K14D108	INNOVATE ABQ - 101 BROADWAY	101 BROADWAY
3/27/2024 23:00	Post Construction	K14D109	ONE CENTRAL-GARAGE SECOND FLOOR	1 1st NW
4/3/2024 16:01	Post Construction	298	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	Graphics Enterprise Services -912
4/3/2024 16:15	Post Construction	299	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	KANW RADIO STATION - 2020 COA
4/3/2024 16:21	Post Construction	300	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	ALLIED PLUMBING - 809 LOCUST S
4/3/2024 16:25	Post Construction	302	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	GARFIELD APARTMENTS - 501 GIR
4/3/2024 16:30	Post Construction	303	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	MANZANO DEL SOL GOOD SAMAR
4/4/2024 16:34	Post Construction	305	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	ONEILL'S - 4310 CENTRAL SE 8710
4/4/2024 16:38	Post Construction	306	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	5001 Central NE 87108
4/4/2024 16:40	Post Construction	307	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	4100 SILVER AVE SE 87108
4/4/2024 16:43	Post Construction	308	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	WENDYS - 4900 CENTRAL SE 8710
4/4/2024 16:45	Post Construction	309	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	Vexus - 301 INDIANA SE 87108
4/11/2024 16:32	Post Construction	304	PASS – VISUAL INSPECTION FOUND NO APPARENT PROBLE	4700 COAL SE 87108
4/11/2024 23:00	Post Construction	310	DAYCARE CENTER	515 Old Coors SW
4/11/2024 23:00	Post Construction	K13D031	DOLORES GONZALES ELEMENTARY SCHOOL	9100 Atlantic SW 87102

Total Inspection Count	
September	10
October	20
November	20
December	25
January	19
February	51
March	37
April	13
	195

1  
7111

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**Attachment 6**  
**New COA Green Stormwater**  
**Infrastructure/Complete**  
**Streets Ordinance**

# CITY of ALBUQUERQUE

## TWENTY SIXTH COUNCIL

COUNCIL BILL NO. F/S R-24-34 ENACTMENT NO. R-2024-030

SPONSORED BY: Renée Grout and Tammy Fiebelkorn

1 RESOLUTION

2 REPEALING ARTICLE 9 OF CHAPTER 3 OF THE CODE OF RESOLUTIONS  
3 AND REPLACING IT WITH THE SUSTAINABILITY RESOLUTION.

4 WHEREAS, the City of Albuquerque adopted a community-driven Climate  
5 Action Plan in 2021 to mitigate the effects of climate change for all residents,  
6 especially those in historically underserved, frontline communities; and

7 WHEREAS, to keep current with all the goals and practices outlined in the  
8 City's Climate Action Plan, all relevant City Departments shall continually  
9 revisit and refine their mission statements, policies, goals, and practices to  
10 reflect the Climate Action Plan; and

11 WHEREAS, the years from 2010-2020 were recorded as the hottest decade  
12 on record and 2023 was the hottest year on record; and

13 WHEREAS, the City of Albuquerque is an identified Urban Heat Island, as  
14 defined by the Environmental Protection Agency, making it an urbanized area  
15 that experiences higher temperatures than outlying areas; and

16 WHEREAS, local frontline communities are impacted first and worst by  
17 climate crises, attributable to extreme heat and heat-related illnesses, to  
18 disproportionate exposure to air and water pollution, and to unequal access to  
19 the benefits of environmental quality improvements; and

20 WHEREAS, the City of Albuquerque's sustainable practices assure  
21 equitable access to environmental protections; and

22 WHEREAS, addressing the climate challenges of the 21<sup>st</sup> century requires  
23 integrating sustainability in business practices, job creation strategies, and  
24 economic development; and

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1       **WHEREAS, mimicking nature by using native landscaping, protecting**  
2 **native habitats, increasing irrigation efficiency and other conservation**  
3 **measures help to achieve sustainability goals, and protects air, water, and**  
4 **natural environments, such as the Bosque and other native habitats; and**

5       **WHEREAS, neighborhoods improve with parks and green spaces in a**  
6 **number of ways, including improved air quality, improved aesthetics,**  
7 **mitigation of heat islands, increased property values, slower traffic, and**  
8 **increased economic activity; and**

9       **WHEREAS, buildings and the built environment account for forty percent**  
10 **(40%) of the greenhouse gas emissions nation-wide, and fifty-five percent**  
11 **(55%) of the Albuquerque’s greenhouse gas emissions come from stationary**  
12 **sources, primarily commercial and residential buildings; and**

13       **WHEREAS, transportation makes up one of the most significant sectors for**  
14 **greenhouse gas emissions nationwide, and accounts for forty-one percent**  
15 **(41%) of Albuquerque’s emissions; and**

16       **WHEREAS, the City supports programs that reduce its carbon footprint,**  
17 **improves air quality, and assures equitable access to clean transportation and**  
18 **transit, especially for frontline communities; and**

19       **WHEREAS, greenhouse gas emissions can be mitigated by increasing the**  
20 **tree canopy and green spaces, effectively creating a carbon sink to reduce**  
21 **heat; and**

22       **WHEREAS, recycling, composting and other similar consumer behaviors**  
23 **are a low barrier to entry for residents wishing to reduce their carbon**  
24 **footprint, and help mitigate the nearly four percent (4%) of greenhouse gas**  
25 **emissions from product disposal, in addition to reducing emissions from**  
26 **other stages in the product lifecycle; and**

27       **WHEREAS, sustainable purchasing through environmentally safe products,**  
28 **local purchasing that reduces transportation and economic losses, and locally**  
29 **sourced and produced compost have long-lasting impacts on pollution**  
30 **reduction; and**

31       **WHEREAS, technological advances support sustainable practices, but**  
32 **continued R&D and cost-benefit analyses are needed for City Departments**  
33 **and the public to fully implement these technologies.**

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1 BE IT RESOLVED BY THE COUNCIL, THE GOVERNING BODY OF THE CITY OF  
2 ALBUQUERQUE:

3 SECTION 1. REPEAL

4 Chapter 3, Article 9 in the Code of Resolutions known as “ENVIRONMENT” is  
5 hereby repealed in its entirety.

6 SECTION 2. NEW MATERIAL

7 1. Create a new Chapter 3, Article 9 as follows:

8 3-9-1 SUSTAINABLE ECONOMIC DEVELOPMENT

9 1. As required by COA § 2-14-1-8(C), the City shall consider community  
10 and environmental impacts in all business recruitment and incentive  
11 packages.

12 2. All applicants for economic incentives are required to provide an  
13 analysis of how they are meeting COA § 2-14-1-8(B) in their applications.

14 3. All incentive packages shall consider community and environmental  
15 impacts of the proposed project, such as energy efficiency, water  
16 conservation, and environmental social governance (ESG) practices.  
17 Incentive packages include Local Economic Development Act funding,  
18 Industrial Revenue Bonds, and any other discretionary incentive offers.

19 (A) Per the 2021 City of Albuquerque Climate Action Plan, the City shall  
20 give preference to companies in the energy efficiency, renewable and  
21 alternative energy product manufacturing industry.

22 (B) The City shall encourage job training and opportunities in sustainable  
23 careers, such as renewable energy, energy efficiency, electrification of  
24 buildings and modernization of the energy grid, including but not limited to the  
25 installation and maintenance of EV charging stations, transportation  
26 efficiency, materials management, upstream waste reduction, and local food  
27 and agriculture jobs.

28 3-9-2 ENERGY

29 (A) Energy Efficiency

30 1. Upgrades to Municipal Facilities. The City shall maximize energy  
31 efficiency by implementing efficient HVAC controls, optimizing lighting  
32 systems, and adopting other energy-saving measures. The Energy and  
33 Sustainability Management Division (ESMD) at the City’s General Services



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1 Department (GSD) in collaboration with the Albuquerque Energy Council  
2 (AEC) shall continue its practice of utilizing a dedicated portion of the Capital  
3 Improvement Program, amounting to 3%, for the Energy Conservation  
4 Program. This initiative aims to bolster the energy efficiency of City buildings  
5 through a range of measures.

6 2. City Projects shall encompass a comprehensive approach to energy  
7 conservation, including but not limited to implementation of advanced  
8 building controls, integration of battery storage systems, energy efficiency  
9 upgrades targeting both new and existing municipal buildings, and various  
10 additional enhancements geared towards maximizing energy efficiency.

11 3. Equitable Access to Energy Efficiency Programs. The City is  
12 dedicated to assisting all residents, particularly those most vulnerable, in  
13 accessing energy-saving opportunities and participating in carbon-reducing  
14 initiatives. The City shall provide energy efficiency programs to support  
15 community resiliency of Justice40 census tracts and promote sustainability  
16 and resiliency in historically disadvantaged neighborhoods.

17 a. The City, in partnership with local utilities, shall provide low-  
18 income residents with energy efficiency improvements through the  
19 Community Energy Efficiency Project, the Community Energy Efficiency  
20 Development Block Grant Program, and other funding sources. Energy  
21 efficiency improvements may include, but are not limited to free energy  
22 audits, free (or reduced cost) energy efficiency upgrades, and other  
23 improvements.

24 b. The City shall create public awareness campaigns to educate  
25 residents and make information and potential savings from energy rebates as  
26 easy and accessible as possible. Methods may include a single universal  
27 rebate form, forms translated into several languages, and other methods to  
28 assist residents, especially those in historically disadvantaged  
29 neighborhoods.

30 4. Weatherization. The City shall consider adopting design guidelines  
31 or other building requirements, including but not limited to higher energy  
32 efficiency standards for low-income multi-family housing projects, qualifying

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1 single-family homes in the Community Energy Efficiency Program, or others  
2 that are utilizing City funds.

3 (B) Renewable Energy Use

4 1. Upgrades to Municipal Facilities. The Energy and Sustainability  
5 Management Division (ESMD) at the General Services Department (GSD), is  
6 dedicated to utilizing a portion of the Capital Improvement Program,  
7 equivalent to 3%, through the Energy Conservation Program. This initiative  
8 aims to convert city buildings and operations to renewable energy sources,  
9 thereby reducing the carbon footprint of City operations. ESMD shall work  
10 with other City Departments to convert City buildings and operations to  
11 renewable energy sources wherever practical, with the goal of achieving 100%  
12 renewable energy use for government operations as identified in the City's  
13 Climate Action Plan.

14 2. Increasing Funds for Renewable Conversion. The City shall explore  
15 additional avenues for funding to bolster investments in greenhouse gas  
16 emission reduction initiatives. As part of this endeavor, new City projects will  
17 prioritize renewable energy conversion, and other energy savings, across  
18 municipal operations.

19 (C) Support for Alternative Energy Savings Strategies

20 1. The City shall support alternative energy production and savings  
21 solutions including community solar programs, micro-grid establishment,  
22 and grid modernization, especially in low-income areas.

23 2. Community Solar. The City will support the State of New Mexico  
24 Community Solar Program as defined by State's Community Solar Rule,  
25 17.9.573 NMAC. Within one year of the enactment of this legislation, the  
26 General Services Department shall report back with recommendations for  
27 how the City can best support the State's Community Solar Program.

28 3. BRAIN Energy Management. The City shall track energy use and  
29 efficiency with the Balanced Resource Acquisition and Information Network  
30 (BRAIN). Deployment of the BRAIN energy management solution will enable  
31 effective monitoring of energy consumption and facilitate optimized energy  
32 management practices.

33 3-9-3: TRANSPORTATION

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1 (A) Transition to Low- or Zero-Emission Vehicles

2 1. City Fleet. On a case-by-case basis, the City shall explore the  
3 feasibility of transitioning City vehicles including fleet vehicles, transit buses,  
4 and airport support vehicles to low- or zero-emission to include a cost benefit  
5 analysis. The City shall follow the recommendations in its Fleet Transition Plan  
6 (currently in development), to implement the transition to low- and zero-  
7 emission vehicles.

8 2. Private Vehicles. The City shall provide public awareness campaigns  
9 and educational materials to residents and organizations to encourage the  
10 purchase and adoption of low- or zero-emission vehicles.

11 (B) Reduce Vehicle Miles Traveled

12 1. The City shall continue to enhance transit services to increase  
13 ridership and accessibility to desired destinations, including Zero Fares  
14 policies for transit riders, transit network improvements, and improved multi-  
15 modal first mile/last mile connections to the transit network.

16 2. The City shall continue to implement Vision Zero and Complete  
17 Streets principles in roadway design to encourage safe and efficient  
18 alternative modes of transportation.

19 3. The City shall encourage carpooling, rideshare, carshare, bikeshare,  
20 and other shared mobility services.

21 4. The City should encourage active transportation, such as walking,  
22 cycling, and other forms of micro-mobility.

23 (C) Smart City Design. The City shall:

24 1. Incentivize mixed-use and neighborhood-scale development, to  
25 reduce the distance in which residents need to travel for goods and services  
26 and support walkable, people-friendly neighborhood design.

27 2. Incentivize transit-orientated development.

28 3. Allow for more beneficial land uses and encourage the use of  
29 alternative transportation modes.

30 4. Utilize intelligent transportation system methods to optimize traffic  
31 flow patterns that reduce idling vehicles.

32 5. Develop new EV Charging networks accessible city-wide.

33 3-9-4: BUILT ENVIRONMENT

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1 (A) Building Emissions. The City shall consider renewable energy  
2 sources to offset energy consumed by City-owned buildings and minimize  
3 natural gas emissions.

4 (B) Energy and Sustainability Design Guide. The Municipal Development  
5 and General Services Departments shall work together to identify  
6 opportunities to incorporate elements of the Energy and Sustainability Design  
7 Guide into Requests for Proposals for design and construction processes for  
8 new construction and remodel projects on City owned buildings.

9 (C) Heat Mitigation. Where practicable, the City shall identify and  
10 implement alternative pavement and roofing options, such as cool pavement,  
11 cool roofs, permeable paving, etc.

12 (D) Electrification of City Buildings. The City shall prioritize the  
13 electrification of new City facilities and major renovations to existing City  
14 facilities.

15 1. The Municipal Development Department shall ensure that  
16 Requests for Proposals and bids shall explain the application of the Energy  
17 and Sustainability Design Guide for new City facilities and major remodels.

18 **3-9-5: SUSTAINABLE MATERIALS MANAGEMENT**

19 This section addresses the waste stream, and an economic- and systems-  
20 based approach to protecting finite resources.

21 1. Recycling. The Office of Sustainability in conjunction with the  
22 Solid Waste Department, and Office of Equity and Inclusion shall develop  
23 standards, procedures, and educational material for short-term and long-term  
24 waste diversion from the landfill through increased recycling.

25 2. Food Waste Prevention and Composting. The Office of  
26 Sustainability in conjunction with the Solid Waste Department, and Office of  
27 Equity and Inclusion shall develop programs to increase access to food waste  
28 prevention/reduction/composting.

29 3. Local Circular Economy. The City shall encourage and recruit  
30 businesses with upstream product principles, such as employing  
31 conservation principles in product development, production, and  
32 transportation, before it reaches the consumer. The City shall develop

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1 educational materials about the circular economy and other sustainable  
2 practices for local businesses and City residents.

3 4. Local Agriculture. Per the City’s Buy Local Initiative, the City shall  
4 develop preferential procurement measures to support local agriculture. In  
5 addition, where practicable, the City’s Parks and Recreation, Open Space and  
6 other divisions shall consider regenerative agriculture practices.

7 **3-9-6: NATURE-BASED SUSTAINABLE PRACTICES**

8 (A) The Urban Tree Canopy. In alignment with § 4-4-4, of the Code of  
9 Resolutions and the City’s 100,000 tree planting goal, the Parks and  
10 Recreation Department (PRD) shall work with Let’s Plant ABQ Coalition to  
11 meet this goal by 2030.

12 1. Tree Planting. § 6-6-1-1, PRD will work with community organizations  
13 to market benefits of trees to citizens for the promotion of tree plantings on  
14 private properties to improve the City’s ambient air quality and mitigate urban  
15 heat islands.

16 2. Climate-friendly Trees. Referencing § 6-6-1-1, trees will be climate-  
17 ready, have regional adaptability, be non-invasive, have street or landscape  
18 appeal, include family and species diversity, and other features stipulated by  
19 community organizations

20 3. Relaunch Project Tree Start. In accordance with § 4-4-4, of the Code  
21 of Resolutions, PRD will relaunch this project to help meet the City’s 100,000  
22 tree planting goal by 2030.

23 (B) Natural Design Energy Management. The City Parks and Recreation  
24 Department and the Planning Department shall within one year of the effective  
25 date of this resolution, develop landscape design guidelines, and a program to  
26 disseminate these guidelines, that promote the use of nature-based energy  
27 efficiency measures, such as plants, trees, and other material to enhance  
28 energy conservation and quality of life.

29 (C) Conversion of Non-functional Turf Grass. To conserve water, the Parks  
30 and Recreation Department shall develop a plan to replace turf that is solely  
31 ornamental and not regularly used for human recreational purposes or for  
32 civic or community events with more sustainable turf alternatives, native  
33 landscaping, and pollinating plants.

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1 (D) Equitable Access to Trees, Parks, and Open Space.

2 1. The City shall assure a goal of a park, trail, open space, or green  
3 space within a 10-minute walk of each residence.

4 2. The Office of Equity and Inclusion and the Office of Sustainability  
5 will identify front line communities and those in historically disadvantaged  
6 areas as sites for tree planting.

7 3. The City will work to educate businesses and residents on rebates  
8 that are available through the Albuquerque Bernalillo County Water Utility  
9 Authority, and other agencies, to offset water usage to plant and establish new  
10 trees.

11 (E) Green Storm Water Infrastructure. Where practicable, the City shall use  
12 green storm water infrastructure to facilitate water filtration, improve water  
13 retention and soil health, and help to recharge the water table.

14 1. Implementation shall include swales and basins, when possible, to  
15 help with water retention, limiting storm water runoff, minimizing localized  
16 flooding, and encouraging water conservation.

17 2. Use of permeable surfaces. The City may consider permeable  
18 surfaces to include planting beds, mulch with local soil or neighborhood  
19 compost, gravel, or permeable pavers.

20 (F) Cool Pavement. Where practicable, the City shall consider the  
21 application of cool pavement for impermeable surfaces to temper solar  
22 reflectivity and reduce heat islands.

23 **3-9-7 SUSTAINABLE PROCUREMENT PRACTICES**

24 (A) Purchase of Environmentally Safe Products. Where practicable, the  
25 City shall follow procurement practices that consider reduced exposure of  
26 City residents and visitors to potentially toxic chemicals, reduce greenhouse  
27 gas emissions and other air pollutants, protect ground and surface waters,  
28 maximize water and energy efficiency, favor renewable energy sources,  
29 maximize post-consumer recycled content and readily recyclable or  
30 compostable materials, favor long-term use through product durability,  
31 repairability, and reuse, and consider life cycle economics of a product  
32 including its manufacture, transportation, use and disposal.

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1 (B) Buy Local. Where practicable, the City shall follow the Buy Local  
2 Initiative and AI NO: 3-3 Small Purchases and Use of Local Vendors. Within  
3 one year of the enactment date of this Resolution the Sustainability Office, in  
4 collaboration with Purchasing, propose amendments to the Buy Local  
5 Procurement policy that improve the City's ability to prefer locally grown/made  
6 products over imported product, when available.

7 (C) Compost. The City shall, where practicable, use locally sourced  
8 compost.

9 SECTION 3. SEVERABILITY CLAUSE. If any section, paragraph, word or  
10 phrase of this resolution is for any reason held to be invalid, or unenforceable  
11 by any court of competent jurisdiction, such decision shall not affect the  
12 validity of the remaining provisions of this resolution. The Council hereby  
13 declares that it would have passed this resolution and each section,  
14 paragraph, sentence, clause, word, or phrase thereof irrespective of any  
15 provision being declared unconstitutional or otherwise invalid.

16 SECTION 4. COMPILATION. Section 2 of this resolution shall amend, be  
17 incorporated in, and made part of the City of Albuquerque, New Mexico Code  
18 of Resolutions.

19 SECTION 5. EFFECTIVE DATE. This resolution shall take effect five (5) days  
20 after publication by title and general summary.

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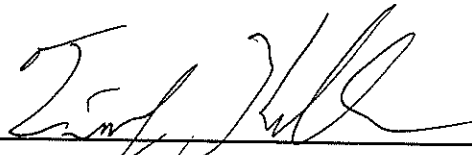
1 PASSED AND ADOPTED THIS 20th DAY OF May, 2024  
2 BY A VOTE OF: 9 FOR 0 AGAINST.

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8 \_\_\_\_\_  
9 Dan Lewis, President  
10 City Council

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13 APPROVED THIS 31 DAY OF May, 2024

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17 Bill No. F/S R-24-34

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20 \_\_\_\_\_  
21 Timothy M. Keller, Mayor  
22 City of Albuquerque

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25 ATTEST:

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28 Ethan Watson, City Clerk

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**CITY OF ALBUQUERQUE**  
Albuquerque, New Mexico  
Office of the Mayor

Mayor Timothy M. Keller

**INTER-OFFICE MEMORANDUM**

March 22, 2024

**TO:** Dan Lewis, President, City Council

**FROM:** Timothy M. Keller, Mayor 

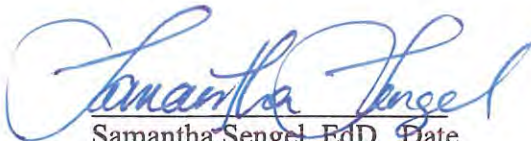
**SUBJECT:** Introduction of updated Sustainability Resolution

This Resolution repeals Article 9 of Chapter 3 of the Code of Resolutions and replaces it with a newly updated version. The Resolution corresponds to the 2021 Climate Action Plan, and updates other sustainability goals in the City of Albuquerque.

TITLE/SUBJECT OF LITIGATION\*\*\* *Same as subject line on last page*)

Approved:

Approved as to Legal Form:



Samantha Sengel, EdD  
Chief Administrative Officer

DocuSigned by:  
*Lauren Keefe* 3/25/2024 | 4:14 PM MDT  
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City Attorney

Date

Recommended:

DocuSigned by:  
*Nathan Martindale* 3/25/2024 | 12:59 PM MDT  
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Director

Date

## **Cover Analysis**

- 1. What is it? Updated Sustainability Resolution**
- 2. What will this piece of legislation do? Update the goals and practices of the City of Albuquerque related to environmental sustainability.**
- 3. Why is this project needed? The City of Albuquerque has surpassed most of the goals in the current resolution, and new sustainability measures, such as electric vehicle (EV) use, green stormwater infrastructure, and other practices did not exist when this resolution was first written.**
- 4. How much will it cost and what is the funding source? There is no cost associated with this.**
- 5. Is there a revenue source associated with this contract? If so, what level of income is projected? There is no revenue associated with updating this resolution.**
- 6. What will happen if the project is not approved? The City will not be current with its energy savings goals, its work with low income communities, and other sustainability practices.**
- 7. Is this service already provided by another entity? No**

**FISCAL IMPACT ANALYSIS**

TITLE: REPEALING CHAPTER 9 OF ARTICAL 3 OF THE CODE OF RESOLUTIONS AND REPLACING IT WITH THE SUSTAINABILITY RESOLUTION R: O:  
 FUND:110  
 DEPT:2250000

- No measurable fiscal impact is anticipated, i.e., no impact on fund balance over and above existing appropriations.
- (If Applicable) The estimated fiscal impact (defined as impact over and above existing appropriations) of this legislation is as follows:

	2024	Fiscal Years 2025	2026	Total
Base Salary/Wages	-	-	-	-
Fringe Benefits at Subtotal Personnel	-	-	-	-
Operating Expenses	-	-	-	-
Property	-	-	-	-
Indirect Costs	-	-	-	-
<b>Total Expenses</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<input type="checkbox"/> Estimated revenues not affected				
<input checked="" type="checkbox"/> Estimated revenue impact				
Revenue from program	-	-	-	0
Amount of Grant	-	-	-	-
City Cash Match	-	-	-	-
City Inkind Match	-	-	-	-
City IDOH	-	-	-	-
<b>Total Revenue</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

These estimates do not include any adjustment for inflation.  
 \* Range if not easily quantifiable.

Number of Positions created 0

COMMENTS: There is no fiscal impact with update to this resolution.

**COMMENTS ON NON-MONETARY IMPACTS TO COMMUNITY/CITY GOVERNMENT:**

This piece of legislation will update the goals and practices of the City of Albuquerque related to environmental sustainability.

PREPARED BY:

DocuSigned by:  
*Elizabeth Jones* 3/25/2024 | 8:04 AM MDT  
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 FISCAL ANALYST

APPROVED:

DocuSigned by:  
*Nathan Martinez* 3/25/2024 | 12:59 PM MDT  
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 DIRECTOR (date)

REVIEWED BY:

DocuSigned by:  
*Alan R. Gutowski* 3/25/2024 | 2:24  
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 EXECUTIVE BUDGET ANALYST

DocuSigned by:  
*Pharonce Davis* 3/25/2024 | 2:47  
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 BUDGET OFFICER (date)

DocuSigned by:  
*Christine Boerner* 3/25/2024 | 2:48 PM MDT  
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 CITY ECONOMIST