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? 561,000 NPDES number

What is the reporting period for this report? (mm/dd/yyyy) From Jul 1, 2022 to Jun 30, 2023

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	
Middle Rio Grande	E-coli	☒ Yes	☐ No	☒ Yes	☐ No
Middle Rio Grande	Temperature	☐ Yes	☒ No	☐ Yes	☐ No
Middle Rio Grande	Polychlorinated Biphenyls in	☐ Yes	☒ No	☐ Yes	☐ No
Middle Rio Grande	Dissolved Oxygen	☐ Yes	☒ No	☐ Yes	☐ No

2. B. Continued

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
Middle Rio Grande	Mercury	☐ Yes	☒ No	☐ Yes	☐ No
		☐ Yes	☐ No	☐ Yes	☐ No
		☐ Yes	☐ No	☐ Yes	☐ No
		☐ Yes	☐ No	☐ Yes	☐ 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-

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 585 residents. See

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

4. Construction

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

Erosion and sediment control requirements? ☒ Yes ☐ No

Other construction waste control requirements? ☒ Yes ☐ No

Requirement to submit construction plans for review? ☒ Yes ☐ No

MS4 enforcement authority? ☒ Yes ☐ No

B. Do you have written procedures for:

Reviewing construction plans? ☒ Yes ☐ No

Performing inspections? ☒ Yes ☐ No

Responding to violations? ☒ Yes ☐ No

C. Identify the number of active construction sites ≥ 1 acre in operation in your jurisdiction at any time during the reporting period. 132

D. How many of the sites identified in 4.C did you inspect during this reporting period? 99

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:

☒ Yes	Notice of violation	33	No Authority	☐
☒ Yes	Administrative fines	15	No Authority	☐
☐ Yes	Stop Work Orders		No Authority	☒
☐ Yes	Civil penalties		No Authority	☒
☐ Yes	Criminal actions		No Authority	☒
☐ Yes	Administrative orders		No Authority	☒
☐ Yes	Other	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? Annually

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. 40 (see Item 10)

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?

40

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? 40

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 March (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 Complai

L. How often do municipal employees receive training on the illicit discharge program? Annually (appropriate

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 It

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

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

G. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? 789

H. How many of the plans identified in 7.G were approved? 644

I. How many privately owned permanent stormwater management practices/facilities were inspected during the reporting period? 141

J. How many of the practices/facilities identified in I were found to have inadequate maintenance? 0

K. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections? 30 days

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? Monthly

8. Program Resources

A. What was the annual expenditure to implement MS4 permit requirements this reporting period? $8.1 Million

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit? $8.5 Million

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:	G.O. Bonds (NPDES, Water Quality Compliance)	Amount $	0.65 Mi	OR %	
Source:	General Funds (Arroyo and Street Maintenance)	Amount $	3.3 Mil	OR %	
Source:	Customer Billing (Household Hazardous Waste,	Amount $	3.5 Mil	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)? 20 see

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

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
AMAFCA, SCAFC	Sampling and Monitoring Wet Weath	Memo of Understanding
AMAFCA, SCAFC	Education and Outreach	Memo of Under standing
AMAFCA, SCAFC	General Watershed Based Permit Imp	Memo of Understa nding

9. Evaluating/Measuring Progress

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

Indicator	Began Tracking (year)	Frequency	Number of Locations
Example: E. coli	2003	Weekly April–September	20
311 Complaint System Responses to IDDE	2003	As reported; number varies pe	Varies
Student and General Public Education a	2006	Reporting annually; events he	Va ries
Dry Weather Screening	2003	Annually	40 locations
Good Housekeeping Inspections	2012	Quarterly to Monthly (if neede	41 locations
City Employees Taking SWPPP or SPCC t	20 20	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.

Signature: Samantha Sengel — Chief Administrative Officer — 11/17/23

Name of Certifying Official, Title — Date (mm/dd/yyyy)

CITY OF ALBUQUERQUE

Annual Report for Fiscal Year 2023 (FY23)

July 1, 2022 to June 30, 2023

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 low 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.

Although an in-stream sample for both a wet season and a dry season storm event was submitted for analysis in FY23, only the wet season sample occurred during a qualifying storm event. Due to drought, no qualifying storm events occurred during the dry season in FY23. The results from the qualifying event during the wet season is provided in a memo: Wet Season Wet Weather Monitoring Results included as Attachment 1 in this year's FY23 report. Impairments to the Middle Rio Grande include E. coli bacteria, PCBs, Gross Alpha, Dissolved Oxygen 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.

Two wet season samples taken at a location in the city and just downstream, at Alameda Bridge and South Isleta Diversion Dam, respectively, were below the water quality standards for Pueblo of Isleta primary contact. At the North Angostura Diversion Dam, the E. Coli impairment exceeded the standard. As a result, waste load allocations (WLA) for both north and south segments were acceptable. Exceedance of the WLA is noteworthy because the permit requires compliance with the TMDL rather than tribal and state water quality standards.

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.

Finally, the Middle Rio Grande Storm Water Quality Team (MRGSWQT), of which the COA is a member, funded additional years of 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. The MRGSWQT also funded a master student's thesis that studied the variability of E. coli concentrations in a water column compared to the juxtaposed sediment. The results of this study, completed in FY19, indicate that E. coli are harbored in riverbed sediments, and that trends in sediment concentrations and corresponding loadings of E. coli in river water are irregular. The net direction of E. coli transfer (river water to sediment or sediment to water) is unknown.

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 FY23, no illegal cross connections were reported.

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 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. 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(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 a 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 Grand, 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.

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 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 FY23. 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 80th and 90th 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.

(ii)(c) Prior to private development construction, Planning Hydrology staff review and approve BMPs designed to capture the 80th and 90th 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 789 reviews of newly constructed "first flush" water quality features were conducted by Planning Hydrology personnel and 37 inspections of features installed within the past 5 years were conducted by Storm Drainage inspections. The 5-year Post Construction inspections are required by the COA's Drainage Ordinance discussed above in (ii)(b).

(vi) Approximately 194 acres of impervious area (IA) was added to the Albuquerque Metropolitan area in FY23. 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. After accounting for first flush ponds and other stormwater quality features, the directly connected impervious area (DCIA) added in FY23 was 9.4 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 FY23.

5d. Industrial and High Risk Runoff

(vi) In FY23, 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 FY23.

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 FY23 there were 76 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 FY23. 309 residents participated in the event, held on November 12, 2022, during which approximately 58,753 pounds (lbs) of HHW and non-regulated solid waste were collected or just over 100 lbs/customer.

In addition, 11,882 participants disposed of 345,540 lbs of HHW throughout FY23 at the HHW collection center run by a contractor on behalf of the COA SWD. Of this amount, about two-thirds were recycled (228,000 lbs) and diverted from the landfill. An additional 20,466 lbs of materials were submitted by 2076 individuals for reuse at the Material Reuse Center.

(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. 76 IDDE complaints were investigated by COA engineers and inspectors in FY23. The COA will resume inspection of businesses that do not require a MSGP but have a high potential for illicit discharges in FY24.

5f. Control of Floatables Discharges

(iii). Street Sweeping crews picked up approximately 4,760 of dirt and debris from 35,910 miles of COA Right of Way in FY23. 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 1,480 cubic yards of dirt, trash, debris, and vegetation from the storm drain system during FY23.

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 FY23. 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 93 cubic yards of floatables were removed from the Barelas Pump Station in FY23, 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 FY23 and were reported in the NetDMR system. 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 $15,000 in dues to the MRGSWQT in FY23 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.

The COA's Open Space Division (OSD) with Parks and Recreation recorded 697 volunteers assisting with the tree and pole planting program (about 350 willow whips and 640 cottonwoods) in the bosque.

There were a number of OSD clean-up events along the trails and Rio Grande in FY23. Outreach has occurred along the trails by staff encouraging visitors to keep the areas clean and free from trash. In addition, 452 volunteers removed 35 cubic yards (cy) of trash, 31 bags of recyclables, 110 gallons of glass, and 150 pounds of dog waste from 6 trailheads during spring clean-up and National Trails Day. During the 2023 River Clean-up along the banks of the Rio Grande, 102 participants filled a dump trailer and 4 pick-up trucks with trash and large items including tires, shopping carts, and a kiddie wading pool.

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 FY23, 1,764 residents participated in the event and collected over 115 tons of trash, yardwaste and debris.

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 128 residents participated, while on the Foothills Wild hike 44 residents joined in FY23.

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, 2022 through June 30, 2023, 76 improper discharge related complaints were reported to the 311 system and investigated by a City storm drainage engineer or inspector. See Attachment 5 for a map indicating location and type of discharge as well as additional details on the spill response. No illegal cross connections between the sanitary and storm sewer system were reported in FY23.

Item 8. Program Resources

D. If fully staffed, 26 full time employees that perform work related to the COA's MS4 include: 16 Arroyo/Storm Drainage Maintenance personnel, 8 Storm Drainage Design/NPDES personnel (consisting of a Section Manager, 3 engineers, 1 supervisor inspector, and 3 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 FY23, 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

Bohannan Huston

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M E M O R A N D U M

DATE: December 29, 2022

TO: Patrick Chavez, PE, AMAFCA

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

SUBJECT: **CMC Wet Season, Wet Weather Stormwater Monitoring**
Data Verification, Analysis Results Database, and Reporting Memo
FY 2023 Wet Season (July 1, 2022 to October 31, 2022)

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 2023 wet season had results that exceeded applicable water quality standards (WQSs) for one or more samples: E. coli, polychlorinated biphenyls (PCBs), and gross alpha, adjusted. Table 1 summarizes the samples with exceedances and the applicable WQS that was exceeded. Additional details on the sampling results are provided in this memo.

Table 1: Parameters Detected Above Applicable Water Quality Standards
CMC FY 2023 Wet Season Monitoring

Sampling Date Location	Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS		
	E. coli	**PCBs**	**Gross Alpha, Adjusted**
	WQS: 88 MPN (CFU/100 mL) Pueblo of Isleta Primary Contact Ceremonial & Recreational	**WQS: 0.00017 ug/L** Pueblo of Isleta Human Health Criteria (based on fish consumption only)	**WQS: 15 pCi/L** Pueblo of Isleta Human Health Criteria (based on fish consumption only)
10/5/2022 Rio Grande North Angostura Diversion Dam Pre-Storm Sample – E. coli Only	135 MPN (CFU/100mL)	No Exceedance	No Exceedance

Table 1 (continued).

Sampling Date Location	Parameters, Applicable Water Quality Standard (WQS), and Results Exceeding Applicable WQS		
	E. coli	**PCBs**	**Gross Alpha, Adjusted**
	WQS: 88 MPN (CFU/100 mL) Pueblo of Isleta Primary Contact Ceremonial & Recreational	**WQS: 0.00017 ug/L** Pueblo of Isleta Human Health Criteria (based on fish consumption only)	**WQS: 15 pCi/L** Pueblo of Isleta Human Health Criteria (based on fish consumption only)
10/5/2022 Rio Grande at Alameda Bridge E. coli Only	No Exceedance	Not Tested	Not Tested
10/6/2022 Rio Grande South Isleta Diversion Dam	No Exceedance	0.0011 ug/L	22.98 pCi/L

Overview of Stormwater Monitoring Activity

Bohannan Huston, Inc. (BHI) has been tasked to perform water quality services for the Compliance Monitoring Cooperative (CMC) Stormwater Data Verification, Database, and Reporting for the Wet Weather Stormwater Quality Monitoring Program for Fiscal Year (FY) 2023 (July 1, 2022 to June 30, 2023). 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 the qualifying storm events. The stormwater compliance monitoring is conducted separately by Daniel B. Stephens & Associates, Inc. (DBS&A) and is not a part of this 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 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 Permit term. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. As identified in the 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 Permit required samples have been obtained by the CMC, as well as two (2) samples obtained in FY 2021, one

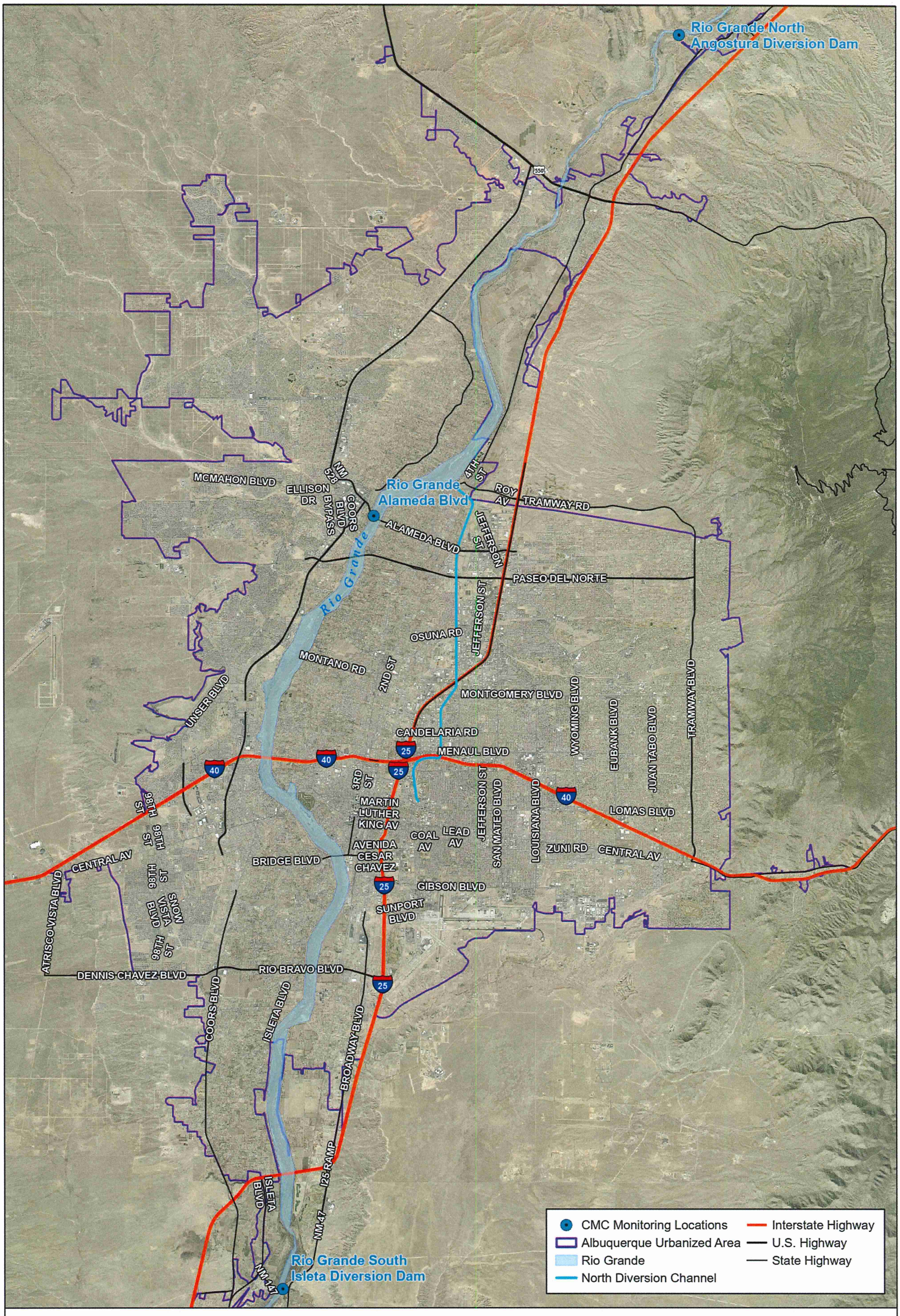
(1) sample obtained in FY 2022 wet season, and one (1) sample obtained in FY 2023 wet season during Administrative Continuance; all 11 CMC samples are summarized in Table 2 below.

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

No. of Storm Events Required to Sample	CMC-WSB MS4 Permit Required Samples per Season	FY (Date) Samples Obtained for CMC
1	#1 Wet Season	FY 2017 (8/10/2016)
2	#2 Wet Season	FY 2017 (9/12/2016)
3	#3 Wet Season	FY 2017 (9/21/2016)
4	#1 Dry Season	FY 2017 (11/21/2016)
5	#2 Dry Season	FY 2019 (3/13/2019)
6	Any Season	FY 2018 (Wet Season - 7/27/2017)
7	Any Season	FY 2018 (Wet Season - 9/27/2017)
Not Required	Wet Season	FY 2021 (10/28/2020)
Not Required	Dry Season	FY 2021 (4/28/2021)
Not Required	Wet Season	FY 2022 (9/1/2021)
Not Required	Wet Season	FY 2023 (10/5/2022)

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 MS4 Permit compliance. This memo reports on the wet weather stormwater monitoring activity for the FY 2023 wet season (July 1, 2022 to October 31, 2022).

The CMC Excel database was updated with the FY 2023 wet season, wet weather monitoring data as results were received. The database contains sample location, sample date, analyses conducted, methods used, applicable surface WQSs, WSB MS4 Permit required Minimum Qualification Levels (MQL) and results.



AMAFCA

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N

0 6,000 12,000 24,000 Feet
1 inch = 12,205 feet

CMC Monitoring

Figure 1
Monitoring Locations

P:\20230125\WR\Reports\Preliminary & Draft\Figures\APRXs\Figure1.aprx
Author: mcrooks

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_5)
Dissolved Oxygen (DO)
Oil & grease (N-Hexane Extractable Material)
E. coli
pH
Total Kjeldahl Nitrogen (TKN)
Nitrate plus Nitrite
Dissolved Phosphorus
Ammonia plus Organic Nitrogen (Nitrogen, Ammonia and Nitrogen, Total)
Phosphorous (Total Phosphorous)
Polychlorinated Biphenyls (PCBs - Method 1668A)
Gross Alpha, adjusted
Tetrahydrofuran
Benzo(a)pyrene
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)
Benzo(k)fluoranthene
Chrysene
lndeno (1 ,2,3-cd) Pyrene
Dieldrin
Pentachlorophenol
Benzidine
Benzo(a)anthracene
Dibenzofuran
Dibenzo(a, h)anthracene
Chromium VI (Hexavalent)
Copper – Dissolved
Lead – Dissolved
Bis (2-ethylhexyl) phthalate
Conductivity
Temperature

Hardness (as CaCO3) was added to the parameter list to allow dissolved metal results to be compared to the applicable WQSs. DO, pH, conductivity, and temperature are required by the WSB MS4 Permit 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.

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 2023 wet season, an E. coli sample was collected within the Rio Grande at Alameda Blvd. This is the location of the NMED defined stream segment divide (refer to Figure 6). This sample point was added after discussion with NMED in February 2017 regarding potential refinements to E. coli loading calculations.

Sample Collection:

As mentioned previously, sample collection for the CMC is being 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 2023 wet season sampling. AMAFCA provided BHI the completed laboratory analysis reports from Hall Environmental Analysis Laboratory (HEAL) 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 2023 wet season from July 2022 through October 2022. One (1) qualifying storm event was sampled and analyzed during the FY 2023 wet season.

- **October 5-6, 2022 – Qualifying Storm Event – Full Analysis of Samples.** Samples were collected at the Rio Grande North and Alameda Blvd locations beginning at 11:25 a.m. and 1:30 p.m., respectively. These samples were sent to the laboratory for an E. coli test. The CMC determined that the storm event beginning October 5 was a qualifying storm event. A Rio Grande South sample was collected beginning at 8:15 a.m. on October 6. The samples from the North (collected October 5) and South (collected October 6) locations were taken to HEAL for full parameter testing.

Stormwater Quality Database for CMC

As stated previously, there was one (1) qualifying storm event during the FY 2023 wet season, wet weather monitoring sampled by the CMC, which occurred October 5-6, 2022. 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 HEAL 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 2023 wet season, wet weather monitoring data. The database contains sample locations, sample date, analyses conducted, methods used, applicable surface water quality standards (WQS), 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 HEAL 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 WQS. 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 2023 wet season data met the appropriate QA/QC requirements. If there were any data that did not meet the appropriate QA/QC requirements, it would have been assigned an appropriate laboratory qualifier or validation codes. A summary of validation codes is provided in the QAPP.

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 2023 Wet Season Assessment and Evaluation of Monitoring Results

The EPA approved WSB MS4 CMC Monitoring Plan, May 5, 2016, has 33 parameters to monitor at the Rio Grande North and Rio Grande South monitoring locations. Of these 33 parameters, 19 parameters were not detected in the FY 2023 wet season samples at either the Rio Grande North or South locations. Refer to Table 3 for a list of the parameters that were not detected.

Table 3: Parameters Not Detected
CMC FY 2023 Wet Season Monitoring

Parameters Not Detected	
Oil and Grease (N-Hexane Extractable Material)	Dieldrin
Nitrate plus Nitrite	Pentachlorophenol
Dissolved Phosphorous	Benzidine
Ammonia (mg/L as N)	Benzo(a)anthracene
Tetrahydrofuran	Dibenzofuran
Benzo(a)pyrene	Dibenzo(a,h)anthracene
Benzo(b)fluoranthene (3, 4 Benzofluoranthene)	Dissolved Lead
Benzo(k)fluoranthene	Chromium VI (Hexavalent)
Chrysene	Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP)
Indeno (1,2,3-cd) Pyrene	

For the remaining 14 parameters on the CMC monitoring parameter list, only three (3) parameters (E. coli, PCBs, and gross alpha, adjusted) 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 2023 wet season. These exceedances are summarized on Table 1, pages 1-2, and discussed below in further detail.

E. coli:

The E. coli results collected during the FY 2023 wet season are summarized in Table 4.

Table 4: E. coli Results
CMC FY 2023 Wet Season Monitoring

Date – Rio Grande Location	E. coli Results MPN (CFU/100 mL)
October 5, 2022 – North	135
October 5, 2022 – Alameda	52
October 6, 2022 – South	<1

At the Rio Grande North location (upstream of the Albuquerque UA, at the Angostura Diversion Dam), one (1) sample was collected and tested for E. coli. This E. coli result exceeded Pueblo of Isleta and Pueblo of Sandia's primary contact-single sample WQS of 88 CFU/100 mL. This October 5 sample was below NMAC's primary contact-single sample WQS of 410 CFU/100 mL. At the Rio Grande South location (downstream of the MS4 UA), one (1) sample was collected and tested for E. coli. This sample did not exceed any WQSs. This E. coli lab result at the Rio Grande South location is the lowest value that the CMC has seen reported in the Rio Grande at this location. AMAFCA called HEAL to discuss this result and verify that the reported result was correct.

In addition, the CMC collected one (1) E. coli sample in the Rio Grande at Alameda Blvd. during the FY 2023 wet season. The Alameda Blvd. analysis point was based on discussions with NMED in February 2017 on collecting actual E. coli data at the stream segment divide verses using an area percentage (as defined in the 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).

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 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 October 2022.

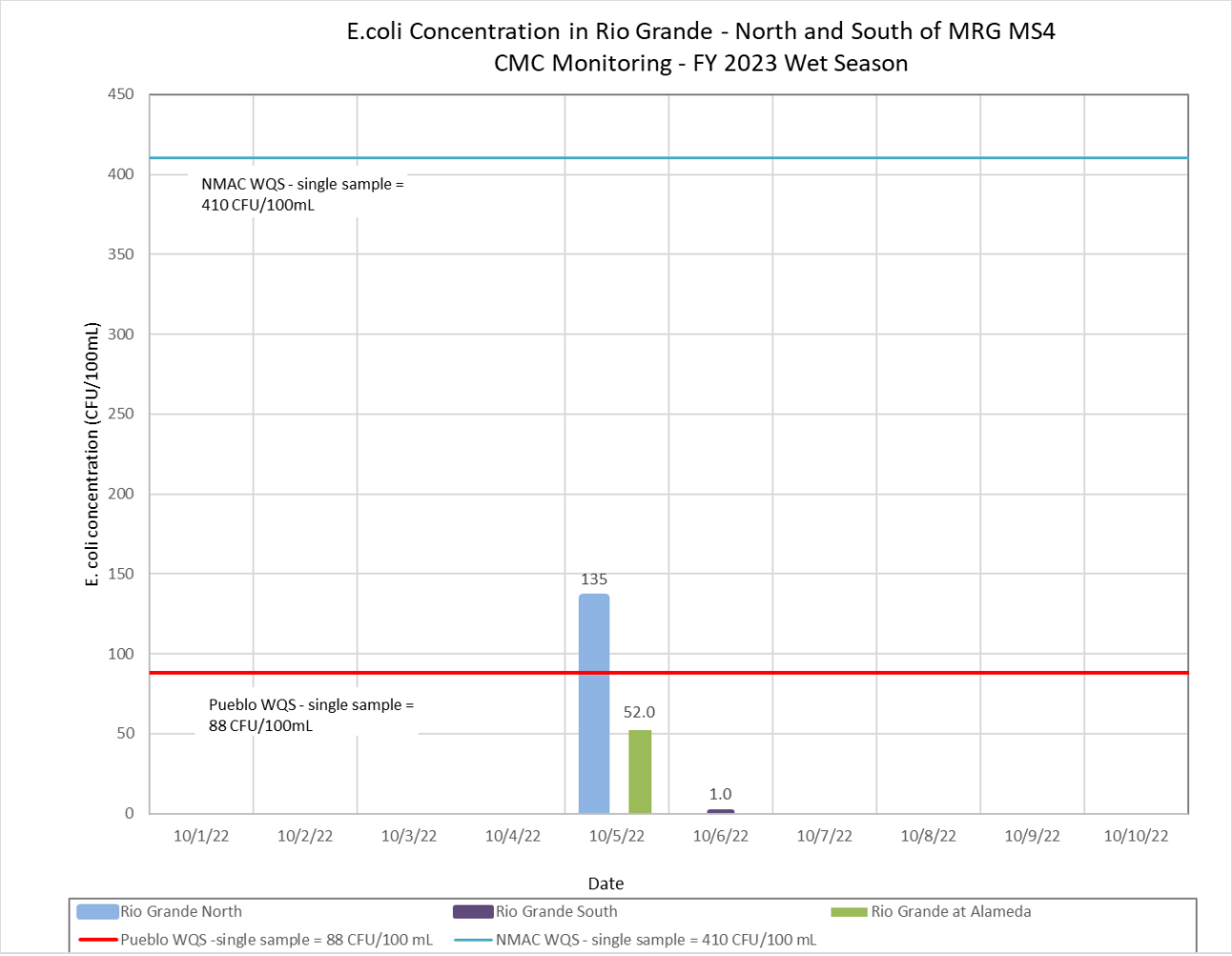


Figure 2: E. coli Results in Rio Grande
CMC Monitoring – FY 2023 Wet Season

PCBs:

There are multiple surface WQS values listed for PCBs in both the Pueblo of Isleta and the State of New Mexico standards for the various designated uses. The PCB results for samples collected from the Rio Grande during the FY 2023 wet season stormwater event were below the minimum quantification level (MQL) established in EPA standards for the MS4 NPDES Permit (Appendix F, 0.2 ug/L for PCBs). The PCB results for the Rio Grande North sample were also well below the New Mexico Surface WQSs and Pueblo of Isleta Surface WQSs for designated uses including drinking water (0.5 ug/L) and wildlife habitat, acute aquatic life, and chronic aquatic life (0.014 ug/L). However, the CMC sample from the Rio Grande South location was 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 2022 are shown in Figure 3 relative to several of the WQSs for PCBs.

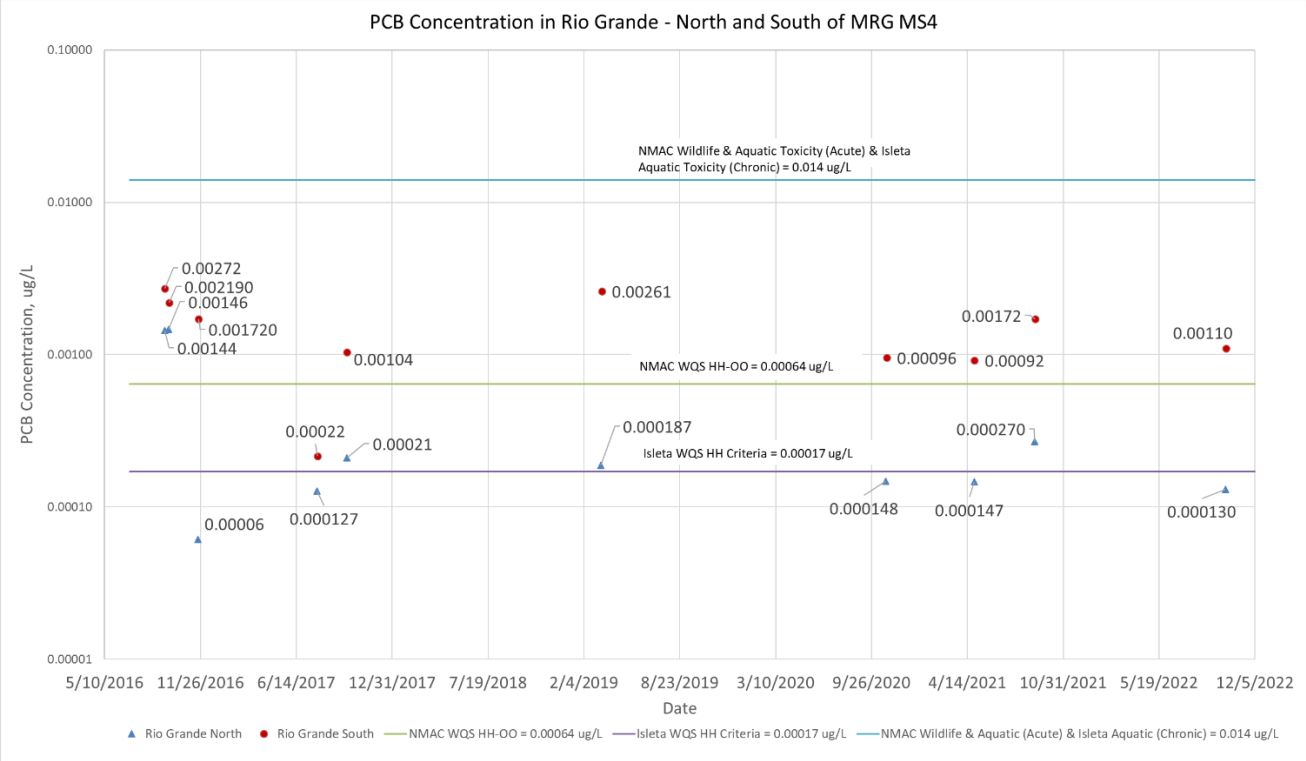


Figure 3: PCB Monitoring Results in Rio Grande
CMC Monitoring – 2016 - 2022

Gross Alpha, Adjusted:

The October 6, 2022, Rio Grande South sample result exceeded the New Mexico and Pueblo of Isleta WQS 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, and for New Mexico it is based on Domestic Water Supply and Livestock Watering designated uses. In surface water, the gross alpha, adjusted analyses may be affected by a high content of suspended load, particularly where sediment sources may be derived from granitic terrain; gross alpha, adjusted results may reflect the radioactivity of the natural elements in the sediment more than the surface water.

The October 6, 2022, Rio Grande South gross alpha, adjusted analytical results are detailed below; the units are in pCi/L:

- Rio Grande South CMC sample result for gross alpha, adjusted = 22.98 pCi/L
- Gross alpha, adjusted WQS at the Rio Grande South location = 15 pCi/L (NMAC 20.6.4 Water Quality Criterion for livestock watering and domestic water supply designated uses and general standard for Pueblo of Isleta)

This is the third time since 2016 that the analytical results from a CMC sample have had an exceedance in gross alpha, adjusted. The prior exceedance was reported for the September 2, 2021, 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 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 and temperature. These parameters did not have any surface water quality exceedances during the FY 2023 wet season sampling.

Dissolved oxygen is a water quality concern in the Rio Grande if it is below 5 mg/L. None of the samples taken from the Rio Grande during the FY 2023 wet season monitoring had dissolved oxygen values below 5 mg/L. This provides the MS4s with specific monitoring data showing that stormwater did not cause or contribute to exceedances of applicable dissolved oxygen water quality standards in the Rio Grande from any of the CMC samples from 2016 to 2022. Refer to Figure 4 for CMC dissolved oxygen results and comparison to applicable WQSs.

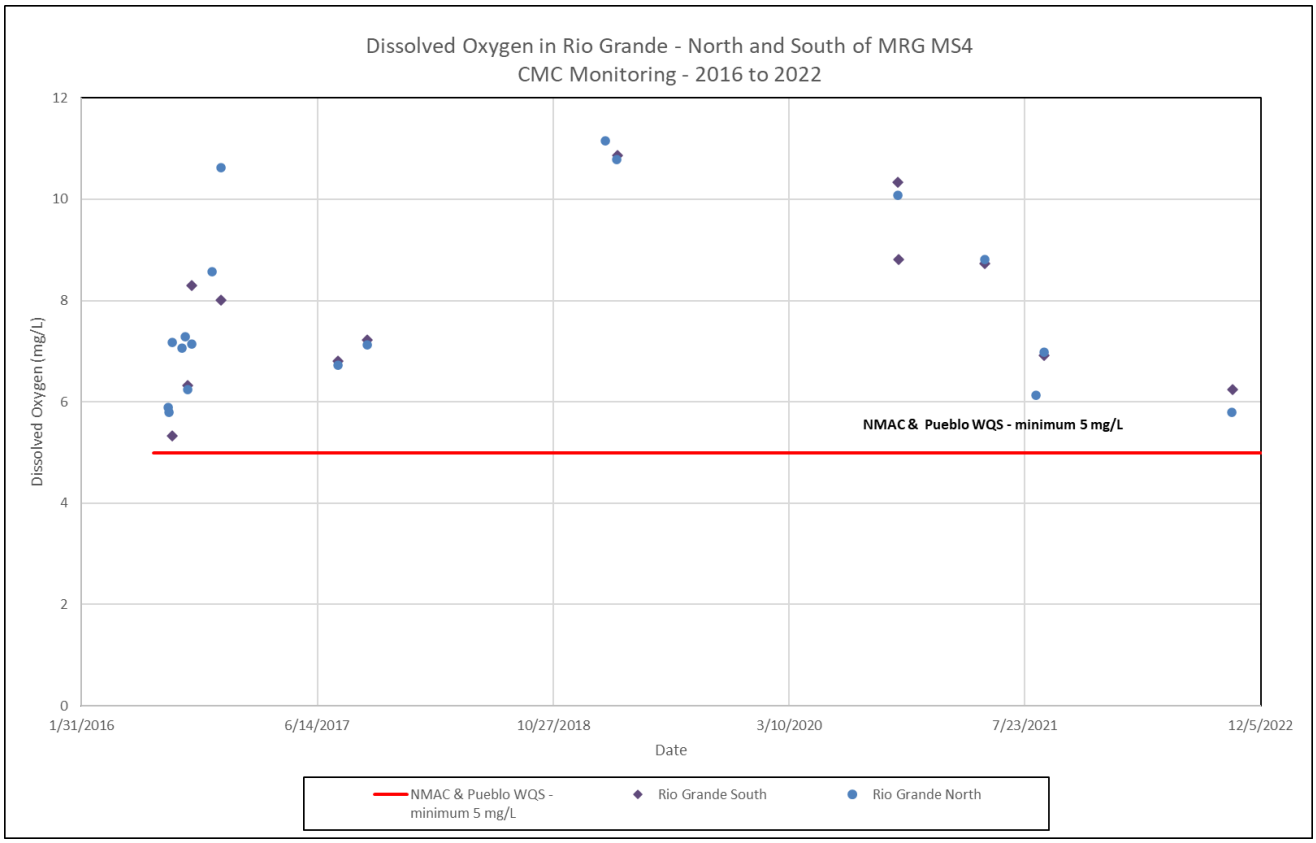


Figure 4: Dissolved Oxygen Results in the Rio Grande
CMC Monitoring – 2016 - 2022

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 2023 wet season monitoring also supports this conclusion. All the temperature field readings taken in the Rio Grande during the CMC FY 2023 wet season were below 32.2°C (90°F), which is the WQS for the State of New Mexico and for the Isleta and Sandia Pueblos. Refer to Figure 5 for temperature results and comparison to applicable WQSs for all CMC samples taken upstream and downstream of the MRG MS4 area from 2016 to 2022.

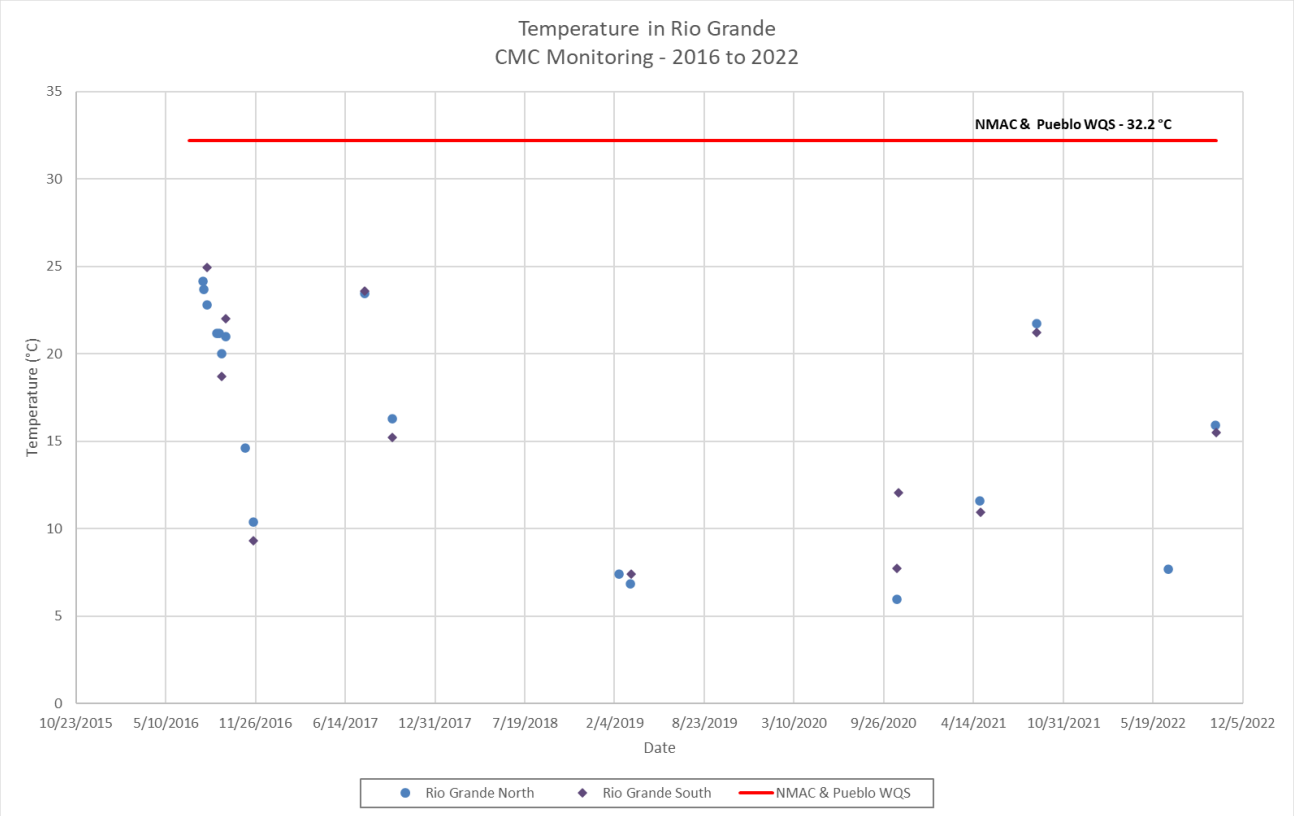


Figure 5: Temperature Monitoring Results in the Rio Grande CMC Monitoring – 2016 - 2022

CMC FY 2023 Wet Season E. coli Loading Calculations and Waste Load Allocation (WLA)

Related to assessing the stormwater results, the E. coli loading was calculated and compared to the aggregate 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 WQSs. The total TMDL for a stream segment consists of the multiple WLA 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). NMED currently has four (4) stream segments instead of the two (2) WSB MS4 stream segments. These various stream segment designations are shown in Figure 6, page 16.

The *NMED 303(d)/305(b) 2020-2022 Integrated Report* tables show the most recent assessment results, and currently all segments of the Rio Grande (Isleta to Angostura Diversion) are impaired for E. coli and have a TMDL for E. coli.

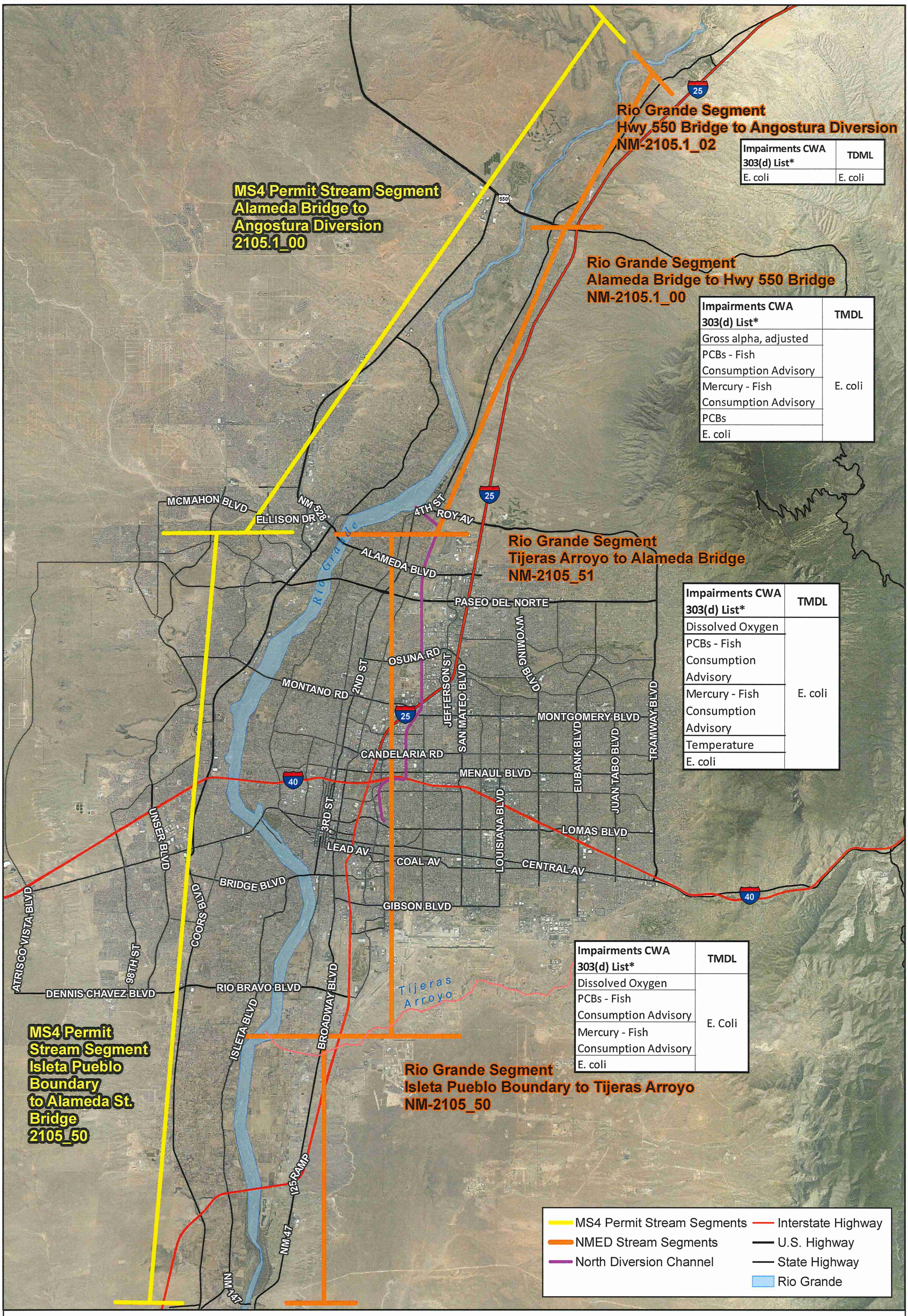
The E. coli daily loading associated with the CMC group and comparison to the NMED WLA was completed for the one (1) qualifying wet season storm event – October 5-6, 2022. For this event, the CMC obtained an E. coli sample in the Rio Grande at Alameda and used this to calculate the E. coli loading for the two (2) river segments. Refer to Table 5 for a summary of the WLA comparison results. A spreadsheet is attached to this memo that provides the detailed WLA calculations.

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

Date / Stream Segment	**Daily Mean Flow (cfs)**	**Flow Conditions (cfs)** *range defined by NMED*	**CMC Daily E. coli Loading (CFU/day)**	**NMED WLA for CMC for Stream Segment and Flow Conditions**	**Loading Compared to WLA Potential Exceedance or Acceptable**
October 5-6, 2022 – Rio Grande North E. coli Concentration 10/5/2022 = 135 MPN (CFU/100 mL) Rio Grande at Alameda E. coli Concentration 10/5/2022 = 52 MPN (CFU/100 mL) Rio Grande South E. coli Concentration 10/6/2022 = <1 MPN (CFU/100 mL)					
Alameda to Angostura	146	Dry	0.00E+00	3.24E+10	WLA Acceptable
Isleta to Alameda	165	Dry	0.00E+00	1.57E+09	WLA Acceptable

As Table 5 illustrates, the calculated E. coli loading for the October 5-6, 2022 storm event for the northern segment (Alameda to Angostura) and the southern segment (Isleta to Almeda) of the Rio Grande was below 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.



AMAFCA

Bohannan Huston
www.bhinc.com
800.877.5332

N

0 12,000 24,000 Feet
1 in = 12,500 ft

CMC Monitoring

Figure 6
Rio Grande Impairments & TMDL Information

* Final 2022-2024 State of NM Clean Water Act, Section 303(d)/Section 305(b) Integrated Report

P:\20230125\WR\Reports\Final\Figures\MXDs\Figure6-MS4_TMDLStreamSegments_2021_0416.mxd
Author: mcrooks

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 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 2023 wet season.

Conclusions and Planning

During the FY 2023 wet season (July 1 to October 31, 2022), one (1) qualifying stormwater sample was obtained by the CMC. Lab results were received, and this data has been entered into the CMC Excel database. The lab data entered is marked in the spreadsheet as “V” (verified), and data V&V has been completed (refer to Attachment 2).

To summarize, monitoring results and E. coli loading calculations for the FY 2023 wet season show that:

- 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 MS4 Permit’s expiration date. Until a new MS4 Permit is issued, there are no compliance monitoring requirements for the CMC in the Rio Grande. All MS4 Permit required samples have been obtained by the CMC, as well several samples collected during Administrative Continuance, including the one (1) sample obtained in the FY 2023 wet season, as reported in this memo.

- For the FY 2023 wet season, 19 of the 33 parameters tested were not detected in any of the Rio Grande North or South samples.
- Several key parameters all met the applicable WQSs, as they have for all the CMC samples to date:
  - All dissolved oxygen results were greater than 5 mg/L (minimum WQS).
  - All temperature results were less than 32.2°C (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 sample from October 6, 2022, was above the Pueblo of Isleta and New Mexico human health criteria (based on fish consumption only) WQSs for surface waters.
- The October 6, 2022, Rio Grande South sample result exceeded the New Mexico Surface WQSs and Pueblo of Isleta Surface WQSs (15 pCi/L) for gross alpha, adjusted. This is the third time since 2016 that the analytical results from a CMC sample have had an exceedance in gross alpha, adjusted. The CMC will continue to closely evaluate this parameter in future samples.
- The calculated E. coli loading for the October 5-6, 2022 storm event for the northern segment (Alameda to Angostura) and the southern segment (Isleta to Almeda) of the Rio Grande was below the WLA for the CMC MS4s. This analysis used the mid-point E. coli sample result obtained in the Rio Grande at Alameda.
  - The E. coli lab result for the Rio Grande South location is the lowest value that the CMC has seen reported in the Rio Grande at this location. AMAFCA called HEAL to discuss this result and verify that the reported result was correct.
  - Sources for the E. coli loading measured in the river are not solely attributable to the CMC MS4 members; the E. coli loading calculations serve to provide a reasonable estimate of the CMC contribution to the measured E. coli loading.

For planning purposes for the CMC members, the FY 2023 dry season CMC monitoring, if a sample is obtained, will be summarized by BHI for the CMC in a dry season memo.

SG/ab

Attachments:

Attachment 1 – DBS&A Field Data & Hall Environmental Analysis Laboratory Reports with BHI Notes for FY 2023 Wet Season

Attachment 2 – FY 2023 Wet Season Completed Data Verification and Validation (V&V) Forms

Spreadsheets Included Separately:

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

Excel CMC Spreadsheet with FY 2023 Wet Season Stormwater Quality Monitoring Results

ATTACHMENT 1

DBS&A FIELD DATA & HALL ENVIRONMENTAL ANALYSIS LABORATORY REPORTS WITH BHI NOTES FOR FY 2023 WET SEASON

CMC Water Quality Results Database
Date: December 29, 2022
Summary of Lab Results for CMC samples for FY 2023 Wet Season

			Rio Grande - North				Rio Grande - South - At Isleta Dam				Rio Grande - Alameda Bridge (E. coli Only Samples)			
Parameter	**Permit Required Units**	**Analysis Method**	**Provisional or Verified**	**2023 CMC SAMPLE - EXTRA NORTH Collection Date 10/5/2022 Wet Season Sample**	**Qualifier**	**Check compared to Water Quality Criterion**	**Provisional or Verified**	**2023 CMC SAMPLE - EXTRA SOUTH Collection Date 10/6/2022 Wet Season Sample**	**Qualifier**	**Check compared to Water Quality Criterion**	**Provisional or Verified**	**2023 CMC SAMPLE - EXTRA ALAMEDA Collection Date 10/5/22 Wet Season Sample**	**Qualifier**	**Check compared to Water Quality Criterion**
Total Suspended Solids (TSS)	mg/L	SM 2540D	V	29		--	V	890	D	--				
Total Dissolved Solids (TDS)	mg/L	SM2540C MOD	V	195		OK	V	265	D	OK				
Chemical Oxygen Demand (COD)	mg/L	EPA 410.4	V	22.3		--	V	ND		--				
Biochemical Oxygen Demand (BOD_5)	mg/L	SM5210B	--	Not provided		--	--	Not provided		--				
Dissolved Oxygen (DO)	mg/L	FIELD	V	5.79		OK	V	6.24		OK	V	5.58		OK
Oil and Grease (N-Hexane Extractable Material)	mg/L	EPA 1664A	V	ND		OK	V	ND		OK				
E. coli	MPN (CFU/100 mL)	SM 9223B Fecal Indicator	V	135		>WQ Standard	V	<1		OK	V	52		OK
pH	S.U.	FIELD	V	8.24	H	OK	V	8.02	H	OK	V	7.6		OK
Total Kjedahl Nitrogen (TKN)	mg/L	SM 4500	V	ND		--	V	1.7		--				
Nitrate plus Nitrite	mg/L	EPA 300.0: Anions	V	ND		OK	V	ND		OK				
Dissolved Phosphorous	mg/L	EPA 365.1, filtered sample	V	ND	D	--	V	ND	D	--				
Ammonia (mg/L as N)	mg/L	SM 4500 NH3	V	ND		OK	V	ND		OK				
Total Nitrogen	mg/L	--	V	ND		OK	V	1.70		OK				
Total Phosphorous	mg/L	EPA 365.1	V	ND	D	--	V	0.97	D	--				
PCBS - 0.000064 (Method 1668A - sum of all congeners)	µg/L	EPA 1668	V	0.00013	J	OK	V	0.0011	J	>WQ Standard				
Gross Alpha, Adjusted	pCi/L	EPA 900.0	V	0.895 ± NA		OK	V	22.98 ± NA		>WQ Standard				
Tetrahydrofuran	µg/L	EPA 8260 C	V	ND		--	V	ND		--				
Benzo[a]pyrene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzo[b]fluoranthene (other name: 3,4-Benzofluoranthene)	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzo(k)fluoranthene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Chrysene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Indeno(1,2,3-cd)Pyrene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Dieldrin	µg/L	EPA 608	V	ND		OK	V	ND		OK				
Pentachlorophenol	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzidine	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Benzo(a)anthracene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Dibenzofuran	µg/L	EPA 625	V	ND		--	V	ND		--				
Dibenzo(a,h)anthracene	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Chromium VI (Hexavalent)	µg/L	3500Cr C-2011	V	ND		OK	V	ND		OK				
Dissolved Copper	µg/L	EPA 200.8	V	1.1		OK	V	ND		OK				
Dissolved Lead	µg/L	EPA 200.8	V	ND		OK	V	ND		OK				
Bis (2-ethyhexyl) Phthalate (other names: Di(2-ethylhexly)phthalate, DEHP) - 2.2	µg/L	EPA 625	V	ND		OK	V	ND		OK				
Conductivity	umhos/cm	FIELD	V	290		--	V	395		--	V	275		--
Temperature	°C	FIELD	V	15.9		OK	V	15.5		OK	V	18		OK
Hardness (as $CaCO_3$)	mg/L	SM2340B	V	120		--	V	280		--				
Mercury	µg/l	--												

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.
mean monthly flow of 100 cfs, monthly average concentration for TDS 1,500 mg/l or less,
sulfate 500 mg/L or less, and chloride 250 mg/L or less.
3. Aquatic life criteria for metals are expressed as a function of total hardness (mg/L as
4. According to NMAC 20.6.4, E. coli bacteria for Primary Contact - monthly geometric
5. Water quality criterion for metals is based on dissolved metals, NMAC 20.6.4.900.I and
individual sample results compared to acute toxicity values.
6. HEAL lab method: SM 9223B Fecal Indicator. Note - lab method for units of MPN/100
ml, lab report uses units CFU/100 ml, for this analysis assuming two units are equivalent

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

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

Samplers Chad Johansson
Sam Fire

CMC Sampling Data Sheet

Site Identification: Rio Grande North ; Angostura Diversion Dam

Notes:

Full Suite Sample Date and Time:	10/5/22 1215
Full Sample Identification:	RG North- 20221005
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 : Diversion Structure

Full Suite Sample Volume: 8gal Collection Time Start: 1125 End: 1210

Field Parameters for each 2-gallon grab

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	1125	16.4	8.56	334	6.56	66.6
2	1140	16.8	7.25	297	5.90	60.7
3	1155	16.8	8.01	295	3.42	34.6
4	1210	14.9	8.27	291	8.91	88.2
Composite	1215	15.9	8.24	290	5.79	59.6

☒Turbid Water ☐Color TAN ☒Solids ☐Oil/Sheen ☐Foam ☐Odor_____

Analytical - see 2021 COC table

☒Site Photo ☒Sample Photo

Samplers Chad Johannesen
Sam Fire

CMC Sampling Data Sheet

Site Identification: Rio Grande @ Isleta

Notes:

Full Suite Sample Date and Time:	10/6/22 0905
Full Sample Identification:	RG South - 20221006
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 : Isleta diversion structure

Full Suite Sample Volume: 8 gal Collection Time Start: 0815 End: 0900

Field Parameters for each 2-gallon grab

Grab	Time	Temp (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)
1	0815	15.9	8.51	423	5.43	54.7
2	0830	15.8	7.27	399	5.95	59.7
3	0845	15.6	7.97	394	6.08	60.7
4	0900	15.7	8.01	396	6.21	62.0
Composite	0905	15.5	8.02	395	6.24	62.1

☒ *Turbid Water* ☒ *Color* Brown ☒ *Solids* ☐ *Oil/Sheen* ☒ *Foam* ☐ *Odor*_____

Analytical - see 2021 COC table

☒ Site Photo ☐ Sample Photo

Samplers Chad Johnnesen
San File

CMC Sampling Data Sheet

Site Identification: Rio Grande at Alameda

Notes:

Full Suite Sample Date and Time:	10/5/22 1340
Full Sample Identification:	R6 Alameda- 20221005
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 : Alameda Bridge

Full Suite Sample Volume: 1 gal Collection Time Start: 1330 End: 1340

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	1340	18.0	7.60	275	5.58	57.9

☒ *Turbid Water* ☐ *Color* Brown ☒ *Solids* ☐ *Oil/Sheen* ☐ *Foam* ☐ *Odor*_____

Analytical - see 2021 COC table

☒ Site Photo ☒ Sample Photo

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 10, 2022

10/5/2022: Alameda and Rio Grande North E.coli only samples

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

RE: CMC Wet 22 OrderNo.: 2210242

Dear Patrick Chavez:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/5/2022 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 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 don't hesitate to contact HEAL 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:
Rio Grande North
Temp = 15.9°C
pH = 8.24
Conductivity = 290 uS/cm
Dissolved Oxygen = 5.79 mg/L

Field Parameters:
Rio Grande at Alameda
Temp = 18.0°C
pH = 7.60
Conductivity = 275 uS/cm
Dissolved Oxygen = 5.58 mg/L

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2210242**
Date Reported: **10/10/2022**

CLIENT: AMAFCA
Client Sample ID: RG North-20221005
Project: CMC Wet 22
Collection Date: 10/5/2022 12:05:00 PM
Lab ID: 2210242-001
Matrix: AQUEOUS
Received Date: 10/5/2022 2:20:00 PM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: **dms**	
E. Coli	135	10.00	10.00		MPN/100	10	10/7/2022 5:05:00 PM	70632

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

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2210242**
Date Reported: **10/10/2022**

CLIENT: AMAFCA
Client Sample ID: RG Alameda-20221005
Project: CMC Wet 22
Collection Date: 10/5/2022 1:40:00 PM
Lab ID: 2210242-002
Matrix: AQUEOUS
Received Date: 10/5/2022 2:20:00 PM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM 9223B FECAL INDICATOR: E. COLI MPN							Analyst: **dms**	
E. Coli	52	10.00	10.00		MPN/100	10	10/7/2022 5:05:00 PM	70632

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

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **AMAFCA** Work Order Number: **2210242** RcptNo: 1

Received By: **Juan Rojas** **10/5/2022 2:20:00 PM**

Completed By: **Cheyenne Cason** **10/5/2022 2:45:18 PM**

Reviewed By: 10-5-22 @ 15:19

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 ☐
   Samples were collected the same day and chilled.
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 ☑
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: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: KPG 10.05.22

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	15.1	Good	Not Present			

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 - Wet 22

Project #:

Project Manager: Patrick Chavez

Sampler: CJohannesen

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 15.1 -0=15.1 (°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. 2210242	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Ecoli - enumerated
10-5-22	1215	AQ	RG North - 20221005			001											X
10-5-22	1340	AQ	RG Alameda - 20221005			002											X

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10-5-22	1420			COC	10/5/22	14:20
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

10/5/2022: Rio Grande North and 10/6/2022: Rio Grande South

November 23, 2022

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

RE: CMC Wet FY23 OrderNo.: 2210315

Dear Patrick Chavez:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/6/2022 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 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 don't hesitate to contact HEAL 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:
- Rio Grande North
Temp = 15.9°C
pH = 8.24
Conductivity = 290 uS/cm
Dissolved Oxygen = 5.79 mg/L
- Rio Grande South
Temp = 15.5°C
pH = 8.02
Conductivity = 395 uS/cm
Dissolved Oxygen = 6.24 mg/L

Hall Environmental Analysis Laboratory, Inc.

CLIENT: AMAFCA
Project: CMC Wet FY23
Lab ID: 2210315-001A

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8081: PESTICIDES						Analyst: **JME**	
Dieldrin	ND	0.10		µg/L	1	10/17/2022 12:51:12 PM	70767
Surr: Decachlorobiphenyl	94.3	40.9-111		%Rec	1	10/17/2022 12:51:12 PM	70767
Surr: Tetrachloro-m-xylene	64.3	15-107		%Rec	1	10/17/2022 12:51:12 PM	70767

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 Quanitative 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 Wet FY23
Lab ID: 2210315-001D

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 1664B						Analyst: **SMS**	
N-Hexane Extractable Material	ND	9.40		mg/L	1	10/18/2022 6:18:00 PM	70825

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 Quanitative 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 Wet FY23
Lab ID: 2210315-001E

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	10/6/2022 11:59:13 PM	A91618
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	10/6/2022 11:59:13 PM	A91618
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **SNS**	
Total Dissolved Solids	195	20.0		mg/L	1	10/12/2022 8:50:00 AM	70696
SM 4500 NH3: AMMONIA						Analyst: **EKM**	
Nitrogen, Ammonia	ND	1.0		mg/L	1	10/21/2022 1:24:00 PM	R91993
SM4500-H+B / 9040C: PH						Analyst: **JTT**	
pH	8.24		H	pH units	1	10/10/2022 3:56:29 PM	R91722
EPA METHOD 365.1: TOTAL PHOSPHOROUS						Analyst: **CJS**	
Phosphorus, Total (As P)	ND	0.25	D	mg/L	1	10/25/2022 3:03:00 PM	71023
SM 4500 NORG C: TKN						Analyst: **EKM**	
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1	10/24/2022 10:19:00 AM	70981
SM 2540D: TSS						Analyst: **KS**	
Suspended Solids	29	4.0		mg/L	1	10/10/2022 3:18:00 PM	70679

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 Quanitative 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 Wet FY23
Lab ID: 2210315-001F

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 365.1: TOTAL PHOSPHOROUS						Analyst: **CJS**	
Phosphorus, Total (As P)	ND	0.25	D	mg/L	1	10/25/2022 3:04:00 PM	71023

Dissolved phosphorous

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 Quanitative 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 Wet FY23
Lab ID: 2210315-001G

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM2340B: HARDNESS						Analyst: **VP**	
Hardness as CaCO3	120	6.6		mg/L	1	10/14/2022 2:05:00 PM	R91819
EPA METHOD 200.7: METALS						Analyst: **VP**	
Calcium	39	1.0		mg/L	1	10/14/2022 5:58:24 PM	70811
Magnesium	6.8	1.0		mg/L	1	10/14/2022 5:58:24 PM	70811

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 Quanitative 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 Wet FY23
Lab ID: 2210315-001N

Client Sample ID: R6 North-20221005
Collection Date: 10/5/2022 12:15:00 PM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Copper	0.0011	0.0010		mg/L	1	10/18/2022 1:04:27 PM	A91883
Lead	ND	0.00050		mg/L	1	10/18/2022 1:04:27 PM	A91883

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 Quanitative 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 Wet FY23
Lab ID: 2210315-002A

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8081: PESTICIDES						Analyst: **JME**	
Dieldrin	ND	0.10		µg/L	1	10/17/2022 1:04:20 PM	70767
Surr: Decachlorobiphenyl	96.8	40.9-111		%Rec	1	10/17/2022 1:04:20 PM	70767
Surr: Tetrachloro-m-xylene	76.2	15-107		%Rec	1	10/17/2022 1:04:20 PM	70767

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 Quanitative 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 Wet FY23
Lab ID: 2210315-002B

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM 9223B FECAL INDICATOR: E. COLI MPN						Analyst: **dms**	
E. Coli	<1	1.000		MPN/100	1	10/7/2022 5:05:00 PM	70671

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 Quanitative 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 Wet FY23
Lab ID: 2210315-002D

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 1664B						Analyst: **SMS**	
N-Hexane Extractable Material	ND	9.50		mg/L	1	10/18/2022 6:18:00 PM	70825

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 Quanitative 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 Wet FY23
Lab ID: 2210315-002E

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst:	**JTT**
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	10/7/2022 1:16:26 AM	A91618
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	10/7/2022 1:16:26 AM	A91618
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	**SNS**
Total Dissolved Solids	265	100	D	mg/L	1	10/12/2022 8:50:00 AM	70696
SM 4500 NH3: AMMONIA						Analyst:	**EKM**
Nitrogen, Ammonia	ND	1.0		mg/L	1	10/21/2022 1:24:00 PM	R91993
SM4500-H+B / 9040C: PH						Analyst:	**JTT**
pH	8.09		H	pH units	1	10/10/2022 4:00:35 PM	R91722
EPA METHOD 365.1: TOTAL PHOSPHOROUS						Analyst:	**CJS**
Phosphorus, Total (As P)	0.97	0.25	D	mg/L	1	10/25/2022 3:06:00 PM	71023
SM 4500 NORG C: TKN						Analyst:	**EKM**
Nitrogen, Kjeldahl, Total	1.7	1.0		mg/L	1	10/24/2022 10:19:00 AM	70981
SM 2540D: TSS						Analyst:	**KS**
Suspended Solids	890	20	D	mg/L	1	10/10/2022 3:18:00 PM	70679

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 Quanitative 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 Wet FY23
Lab ID: 2210315-002F

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 365.1: TOTAL PHOSPHOROUS						Analyst: **CJS**	
Phosphorus, Total (As P)	ND	0.25	D	mg/L	1	10/25/2022 3:08:00 PM	71023

Dissolved phosphorous

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 Quanitative 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 Wet FY23
Lab ID: 2210315-002G

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
SM2340B: HARDNESS						Analyst: **VP**	
Hardness as CaCO3	280	6.6		mg/L	1	10/14/2022 2:05:00 PM	R91819
EPA METHOD 200.7: METALS						Analyst: **VP**	
Calcium	82	1.0		mg/L	1	10/14/2022 6:01:40 PM	70811
Magnesium	17	1.0		mg/L	1	10/14/2022 6:01:40 PM	70811

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 Quanitative 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 Wet FY23
Lab ID: 2210315-002N

Client Sample ID: R6 South-20221006
Collection Date: 10/6/2022 9:05:00 AM
Matrix: Aqueous

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA 200.8: DISSOLVED METALS						Analyst: **bcv**	
Copper	ND	0.0010		mg/L	1	10/18/2022 1:07:08 PM	A91883
Lead	ND	0.00050		mg/L	1	10/18/2022 1:07:08 PM	A91883

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Client:	Hall Environmental Analysis Lab	Work Order:	MCJ0294
Address:	4901 Hawkins NE Suite D	Project:	2210315
	Albuquerque, NM 87109	Reported:	11/1/2022 11:21
Attn:	Andy Freeman		

Analytical Results Report

Sample Location:	2210315-001H (R6 North-20221005)		
Lab/Sample Number:	MCJ0294-01	Collect Date:	10/05/22 12:15
Date Received:	10/07/22 14:03	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Tetrahydrofuran	ND	ug/L	5.00	10/12/22 18:51	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*104%*		*70-130*	*10/12/22 18:51*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*94.8%*		*70-130*	*10/12/22 18:51*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*96.1%*		*70-130*	*10/12/22 18:51*	*BKP*	*EPA 8260D*	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: 2210315-001I (R6 North-20221005)

Lab/Sample Number: MCJ0294-02 Collect Date: 10/05/22 12:15

Date Received: 10/07/22 14:03 Collected By:

Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Benzidine	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Chrysene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Dibenzofuran	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	1.00	10/18/22 0:20	MH	EPA 8270E	
Surrogate: Terphenyl-d14	*64.9%*		*57-133*	*10/18/22 0:20*	*MH*	*EPA 8270E*	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: 2210315-002H (R6 South-20221006)

Lab/Sample Number: MCJ0294-03 Collect Date: 10/06/22 09:05

Date Received: 10/07/22 14:03 Collected By:

Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Tetrahydrofuran	ND	ug/L	5.00	10/12/22 19:21	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*104%*		*70-130*	*10/12/22 19:21*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*92.6%*		*70-130*	*10/12/22 19:21*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*96.5%*		*70-130*	*10/12/22 19:21*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: 2210315-002I (R6 South-20221006)

Lab/Sample Number: MCJ0294-04 Collect Date: 10/06/22 09:05

Date Received: 10/07/22 14:03 Collected By:

Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Benzidine	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Chrysene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Dibenzofuran	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	2.50	10/18/22 0:47	MH	EPA 8270E	
Surrogate: Terphenyl-d14	*78.7%*		*57-133*	*10/18/22 0:47*	*MH*	*EPA 8270E*	

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Analytical Results Report

(Continued)

Sample Location: 2210315-003A (Trip Blank)
Lab/Sample Number: MCJ0294-05 Collect Date: 10/06/22 00:00
Date Received: 10/07/22 14:03 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Tetrahydrofuran	ND	ug/L	0.500	10/12/22 19:51	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*104%*		*70-130*	*10/12/22 19:51*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*91.6%*		*70-130*	*10/12/22 19:51*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*104%*		*70-130*	*10/12/22 19:51*	*BKP*	*EPA 8260D*	

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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Quality Control Data

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCJ0360 - SVOC Water										
Blank (BCJ0360-BLK1)				Prepared: 10/10/2022 Analyzed: 10/17/2022						
Dibenzofuran	ND		0.500	ug/L						
Benzidine	ND		0.500	ug/L						
Indeno(1,2,3-cd)pyrene	ND		0.500	ug/L						
Dibenz(a,h)anthracene	ND		0.500	ug/L						
Chrysene	ND		0.500	ug/L						
Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
Benzo[k]fluoranthene	ND		0.500	ug/L						
Benzo[b]fluoranthene	ND		0.500	ug/L						
Benzo[a]pyrene	ND		0.500	ug/L						
Benzo[a]anthracene	ND		0.500	ug/L						
Pentachlorophenol	ND		0.500	ug/L						
Surrogate: Terphenyl-d14			*18.7*	*ug/L*	*25.0*		*74.9*	*57-133*		
LCS (BCJ0360-BS1)				Prepared: 10/10/2022 Analyzed: 10/17/2022						
Dibenzofuran	4.43		0.500	ug/L	5.00		88.6	75-120		
Benzo[a]anthracene	4.38		0.500	ug/L	5.00		87.6	80-120		
Benzo[a]pyrene	4.25		0.500	ug/L	5.00		85.0	66-116		
Benzo[b]fluoranthene	4.61		0.500	ug/L	5.00		92.2	72-116		
Benzo[k]fluoranthene	4.97		0.500	ug/L	5.00		99.4	71-121		
Di (2-ethylhexyl) phthalate	5.39		0.500	ug/L	5.00		108	60-144		
Indeno(1,2,3-cd)pyrene	4.19		0.500	ug/L	5.00		83.8	62-123		
Pentachlorophenol	4.17		0.500	ug/L	5.00		83.4	51-118		
Chrysene	4.70		0.500	ug/L	5.00		94.0	74-124		
Dibenz(a,h)anthracene	4.16		0.500	ug/L	5.00		83.2	62-120		
LCS Dup (BCJ0360-BSD1)				Prepared: 10/10/2022 Analyzed: 10/17/2022						
Di (2-ethylhexyl) phthalate	4.79		0.500	ug/L	5.00		95.8	60-144	11.8	32
Pentachlorophenol	4.51		0.500	ug/L	5.00		90.2	51-118	7.83	25
Indeno(1,2,3-cd)pyrene	4.05		0.500	ug/L	5.00		81.0	62-123	3.40	25
Dibenzofuran	4.46		0.500	ug/L	5.00		89.2	75-120	0.675	25
Chrysene	4.79		0.500	ug/L	5.00		95.8	74-124	1.90	25
Benzo[k]fluoranthene	5.08		0.500	ug/L	5.00		102	71-121	2.19	25
Benzo[b]fluoranthene	4.47		0.500	ug/L	5.00		89.4	72-116	3.08	25
Benzo[a]pyrene	4.07		0.500	ug/L	5.00		81.4	66-116	4.33	25
Benzo[a]anthracene	4.38		0.500	ug/L	5.00		87.6	80-120	0.00	25
Dibenz(a,h)anthracene	3.91		0.500	ug/L	5.00		78.2	62-120	6.20	30

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCJ0445 - VOC										
Blank (BCJ0445-BLK1)				Prepared & Analyzed: 10/12/2022						
Tetrahydrofuran	ND		0.500	ug/L						
Surrogate: 4-Bromofluorobenzene			*23.7*	*ug/L*	*25.0*		*94.6*	*70-130*		
Surrogate: Toluene-d8			*24.7*	*ug/L*	*25.0*		*98.6*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*19.1*	*ug/L*	*19.0*		*100*	*70-130*		

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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
Batch: BCJ0445 - VOC (Continued)										
LCS (BCJ0445-BS1)					Prepared & Analyzed: 10/12/2022					
Tetrahydrofuran	11.7		1.00	ug/L	10.0		117	80-120		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall.

MCJ0294

Due: 10/24/22

We

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

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001H	R6 North-20221005	VOAHCL	Aqueous	10/5/2022 12:15:00 PM	3	8260 Tetrahydrofuran Only
2	2210315-001I	R6 North-20221005	1LAMGU	Aqueous	10/5/2022 12:15:00 PM	3	8270 - See attached
3	2210315-002H	R6 South-20221006	VOAHCL	Aqueous	10/6/2022 9:05:00 AM	3	8260 Tetrahydrofuran Only
4	2210315-002I	R6 South-20221006	1LAMGU	Aqueous	10/6/2022 9:05:00 AM	2	8270 - See attached
5	2210315-003A	Trip Blank	VOAHCL	Trip Blank		2	8260 Tetrahydrofuran Only

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 10/6/2022	Time: 2:34 PM	Received By: JKt	Date: 10/7/22	Time: 14:03
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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 _____ °C Attempt to Cool ? _____

Comments: _____

Attached Sheet

MCJ0294

Due: 10/24/22

Collaborative Monitoring Cooperative - Analyses List

Attach to Chain of Custody

Please refer to attached NPDES Permit No. NMR04A00.Appendix F. Methods and minimum qua
(MQL's) will be those approved under 40 CFR 136 and specified in the attached permit

Analyte (Bold Indicates WQS)	CAS #	Fraction	Method #	MDL (µg/L)
Hardness (Ca + Mg)	NA	Total	200.7	2.4
Lead	7439-92-1	Dissolved	200.8	0.09
Copper	7440-50-8	Dissolved	200.8	1.06
Ammonia + organic nitrogen	7664-41-7	Total	350.1	31.32
Total Kjehldal Nitrogen	17778-88-0	Total	351.2	58.78
Nitrate + Nitrite	14797-55-8	Total	353.2	10.17
Polychlorinated biphenyls (PCBs)	1336-36-3	Total	1668	0.014
Tetrahydrofuran (THF)	109-99-9	Total	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	0.2
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	8081	0.1
Pentachlorophenol	87-86-5	Total	8270D	0.2
Benzidine	92-87-5	Total	8270D	0.1
Chemical Oxygen Demand	E1641638[2]	Total	HACH	5100
Gross alpha (adjusted)	NA	Total	Method 900	0.1 pCi/L
Total Dissolved Solids	E1642222[2]	Total	SM 2540C	60.4
Total Suspended Solids	NA	Total	SM 2540D	3450
Biological Oxygen Demand	N/A	Total	Standard Methods	930
Oil and Grease		Total	1664A	5000
Ecoli-enumeration			SM 9223B	
pH			SM 4500	
Phosphorus		Dissolved	365.1	100
Phosphorus		Total	365.1	100
Chromium IV		Total	3500Cr C-2011	100

MCJ0294

Due: 10/24/22

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: 4 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: IR-5

				Comments:
Samples Received Intact?	(Yes)	No	N/A	
Chain of Custody Present?	(Yes)	No	N/A	
Samples Received Within Hold Time?	(Yes)	No	N/A	
Samples Properly Preserved?	(Yes)	No	N/A	
VOC Vials Free of Headspace (<6mm)?	(Yes) & (No)		N/A	One of 2 trip blanks
VOC Trip Blanks Present?	Yes	No	N/A	2210315-003A excessive HS
Labels and Chains Agree?	(Yes)	No	N/A	
Total Number of Sample Bottles Received: 11				

Chain of Custody Fully Completed?	(Yes)	No	N/A	
Correct Containers Received?	(Yes)	No	N/A	
Anatek Bottles Used?	Yes	(No)	Unknown	

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

HCl - 8260 Tetrahydrofuran only - g 44mL x 6 + 2 TBs

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

8270 (See attached) - gL x 3 (2210315-001I x2)

Received/Inspected By: JKT Date/Time: 10/7/22 14:03

ANALYTICAL REPORT

October 18, 2022

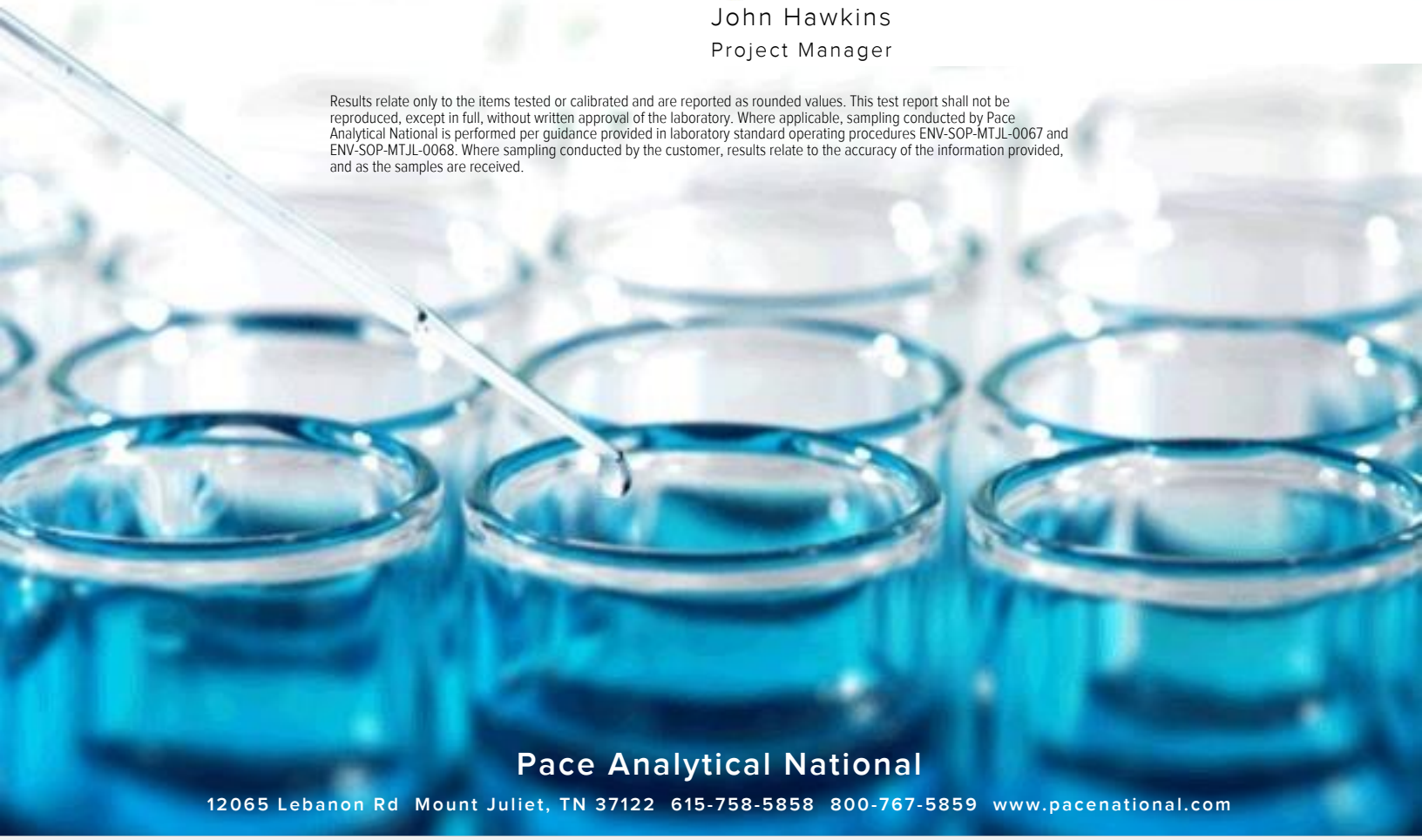
Hall Environmental Analysis Laboratory

Sample Delivery Group:	L1544321
Samples Received:	10/07/2022
Project Number:	
Description:	

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

Entire Report Reviewed By:

John Hawkins
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

2210315-001KM R6 NORTH-20221005 L1544321-01 GW

Collected by	Collected date/time	Received date/time
	10/05/22 12:15	10/07/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG1938076	1	10/12/22 07:17	10/12/22 07:17	ARD	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG1939857	1	10/09/22 17:30	10/09/22 20:03	EPW	Mt. Juliet, TN

2210315-002KM R6 SOUTH-20221006 L1544321-02 GW

Collected by	Collected date/time	Received date/time
	10/06/22 09:05	10/07/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 3500Cr C-2011	WG1938076	1	10/12/22 07:25	10/12/22 07:25	ARD	Mt. Juliet, TN
Wet Chemistry by Method 410.4	WG1940273	1	10/10/22 13:00	10/10/22 16:42	TQP	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.

John Hawkins
Project Manager

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Hexavalent Chromium	ND		0.000500	1	10/12/2022 07:17	WG1938076

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	22.3		20.0	1	10/09/2022 20:03	WG1939857

Wet Chemistry by Method 3500Cr C-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Hexavalent Chromium	ND		0.000500	1	10/12/2022 07:25	WG1938076

Wet Chemistry by Method 410.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
COD	ND		20.0	1	10/10/2022 16:42	WG1940273

QUALITY CONTROL SUMMARY

L1544321-01,02

Method Blank (MB)

(MB) R3849771-1 10/11/22 21:36

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Hexavalent Chromium	U		0.000150	0.000500

L1542321-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1542321-01 10/11/22 22:35 • (DUP) R3849771-5 10/11/22 22:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

L1542881-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1542881-01 10/12/22 00:15 • (DUP) R3849771-6 10/12/22 00:22

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Hexavalent Chromium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3849771-2 10/11/22 21:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexavalent Chromium	0.00200	0.00205	102	90.0-110	

L1542312-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1542312-01 10/11/22 22:10 • (MS) R3849771-3 10/11/22 22:19 • (MSD) R3849771-4 10/11/22 22:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexavalent Chromium	0.0500	ND	0.0507	0.0511	101	102	1	90.0-110			0.884	20

L1543260-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1543260-01 10/12/22 00:38 • (MS) R3849771-7 10/12/22 01:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Hexavalent Chromium	0.0500	ND	0.0503	101	1	90.0-110	

QUALITY CONTROL SUMMARY

L1544321-01

Method Blank (MB)

(MB) R3846395-1 10/09/22 19:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
COD	U		11.7	20.0

L1543424-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1543424-01 10/09/22 19:54 • (DUP) R3846395-3 10/09/22 19:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	47.4	47.7	1	0.610		20

L1544335-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1544335-01 10/09/22 20:03 • (DUP) R3846395-6 10/09/22 20:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	32.2	32.7	1	1.60		20

Laboratory Control Sample (LCS)

(LCS) R3846395-2 10/09/22 19:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
COD	500	537	107	90.0-110	

L1543925-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1543925-02 10/09/22 19:56 • (MS) R3846395-4 10/09/22 19:57 • (MSD) R3846395-5 10/09/22 19:58

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 %
COD	500	263	1160	1170	180	181	1	80.0-120	E J5	E J5	0.549	20

Sample Narrative:

MS: Matrix spike failure due to matrix interference.

MSD: Matrix spike failure due to matrix interference.

Method Blank (MB)

(MB) R3846784-1 10/10/22 16:33

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
COD	U		11.7	20.0

L1544252-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1544252-02 10/10/22 16:36 • (DUP) R3846784-5 10/10/22 16:36

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	33.9	37.2	1	9.50		20

L1544331-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1544331-02 10/10/22 16:42 • (DUP) R3846784-6 10/10/22 16:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
COD	33.9	28.6	1	16.9		20

Laboratory Control Sample (LCS)

(LCS) R3846784-2 10/10/22 16:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
COD	500	483	96.7	90.0-110	

L1544093-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1544093-01 10/10/22 16:34 • (MS) R3846784-3 10/10/22 16:34 • (MSD) R3846784-4 10/10/22 16:34

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 %
COD	500	ND	532	549	106	110	1	80.0-120			3.15	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
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

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 [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
website: www.hallenvironmental.com

J091

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

L1544321

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001K	R6 North-20221005	500HDPEH2SO4	Aqueous	10/5/2022 12:15:00 PM	1	COD
2	2210315-001M	R6 North-20221005	120mL	Aqueous	10/5/2022 12:15:00 PM	1	HEXAVALENT CHROMIUM
3	2210315-002K	R6 South-20221006	500HDPEH2SO4	Aqueous	10/6/2022 9:05:00 AM	1	COD
4	2210315-002M	R6 South-20221006	120mL	Aqueous	10/6/2022 9:05:00 AM	1	HEXAVALENT CHROMIUM

001
002

cont.- 4

0221 5755 8093 2632

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		
RAD Screen <0.5 mR/hr:	Y N		

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 10/6/2022	Time: 11:42 AM	Received By:	Date: 10/07/22	Time: 0910
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

NSAT

Temp of samples 5.8+0-5.8 °C Attempt to Cool ? _____

Comments: _____

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

November 10, 2022

Andy Freeman
Hall Environmental
4901 Hawkins NE
Albuquerque, NM 87109

RE: Project: 2210315
Pace Project No.: 30528336

Dear Andy Freeman:

Enclosed are the analytical results for sample(s) received by the laboratory on October 07, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carla Cmar
carla.cmar@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Ms. Jackie Ball, Hall Environmental
Michelle Garcia, Hall Environmental

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: 2210315
Pace Project No.: 30528336

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: 2210315
Pace Project No.: 30528336

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30528336001	**2210315-001L/R6 North-20221005**	Water	10/05/22 12:15	10/07/22 09:25
30528336002	**2210315-002L/ R6 South-2022100**	Water	10/06/22 09:05	10/07/22 09:25

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: 2210315
Pace Project No.: 30528336

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30528336001	**2210315-001L/R6 North-20221005**	EPA 900.0	SVM	1	PASI-PA
		EPA 900.0	JAL	1	PASI-PA
30528336002	**2210315-002L/ R6 South-2022100**	EPA 900.0	SVM	1	PASI-PA
		EPA 900.0	JAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: 2210315
Pace Project No.: 30528336

Method: **EPA 900.0**
Description: 900.0 Gross Alpha/Beta
Client: Hall Environmental
Date: November 10, 2022

General Information:
2 samples were analyzed for EPA 900.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: 2210315
Pace Project No.: 30528336

Method: **EPA 900.0**
Description: Adjusted Gross Alpha
Client: Hall Environmental
Date: November 10, 2022

General Information:
2 samples were analyzed for EPA 900.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 2210315
Pace Project No.: 30528336

Sample: 2210315-001L/R6 North-20221005 **Lab ID: 30528336001** Collected: 10/05/22 12:15 Received: 10/07/22 09:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**2.00 ± 1.50 (2.55) C:NA T:NA**	pCi/L	10/14/22 08:41	12587-46-1	
		Pace Analytical Services - Greensburg				
Adjusted Gross Alpha	EPA 900.0	**0.895 ± NA (NA) C:NA T:NA**	pCi/L	11/10/22 15:20		

Sample: 2210315-002L/ R6 South-2022100 **Lab ID: 30528336002** Collected: 10/06/22 09:05 Received: 10/07/22 09:25 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**25.3 ± 5.74 (3.07) C:NA T:NA**	pCi/L	10/13/22 19:38	12587-46-1	
		Pace Analytical Services - Greensburg				
Adjusted Gross Alpha	EPA 900.0	**22.98 ± NA (NA) C:NA T:NA**	pCi/L	11/10/22 15:20		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: 2210315
Pace Project No.: 30528336

QC Batch: 538872
QC Batch Method: EPA 900.0
Analysis Method: EPA 900.0
Analysis Description: 900.0 Gross Alpha/Beta
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30528336001, 30528336002

METHOD BLANK: 2614993
Matrix: Water
Associated Lab Samples: 30528336001, 30528336002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.883 ± 0.808 (1.48) C:NA T:NA	pCi/L	10/14/22 08:19	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: 2210315
Pace Project No.: 30528336

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

SUB CONTRATOR: **Pace-Greensburg**	COMPANY: **Pace Analytical Services, Inc.**		PHONE: **(724) 850-5600**	FAX: **(724) 850-5601**	
ADDRESS: **1638 Roseytown Rd Ste 2,3,4**			ACCOUNT #:	EMAIL:	
CITY, STATE, ZIP: **Greensburg, PA 15601**					

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001L	R6 North-20221005	1LHDPEHNO3	Aqueous	10/5/2022 12:15:00 PM	2	Adjusted Gross Alpha
2	2210315-002L	R6 South-20221006	1LHDPEHNO3	Aqueous	10/6/2022 9:05:00 AM	2	Adjusted Gross Alpha

WO# : 30528336

30528336

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 10/6/2022	Time: 11:46 AM	Received By:	Date: 10/7/22	Time: 7:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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 _____ °C Attempt to Cool ? _____

Comments: _____

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-GBUR-0088 v02_Sample Condition Upon Receipt-Pittsburgh
	Effective Date: 10/03/2022

Client Name: Hall **Project #:**

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: 5344 4102 7710

Examined By	PS
Labeled By	PS
Temped By	

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals Intact:** ☐ Yes ☑ No

Thermometer Used: — **Type of Ice:** Wet Blue (None)

Cooler Temperature: Observed Temp — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

Comments:	Yes	No	NA	pH paper Lot# 1000421 / D.P.D. Residual Chlorine Lot # —
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC:	✓			5.
-Includes date/time/ID Matrix:	WT			
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dechlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	✓			16. pH<2
All containers meet method preservation requirements:	✓			Initial when completed: PS Date/Time of Preservation: — Lot# of added Preservative: —
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present		✓		
Rad Samples Screened <0.5 mrem/hr.	✓			Initial when completed: PS Date: 10/7/22 Survey Meter SN: 1563

Comments:

WO#: 30528336
Due Date: 10/28/22
PM: HMC
CLIENT: HALL ENVIRON

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Pace Analytical®

Pace Greensburg Lab -Sample Container Count

Client

Profile Number 1845

Site 7210315

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	
1	WT											2																	
2	↓											2																	
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

WO# : 30528336

PM: HMC Due Date: 10/28/22

CLIENT: HALL ENVIRON

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unprserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserve
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

ANALYTICAL REPORT

November 10, 2022

Pace Analytical - Greensburg, PA

Sample Delivery Group:	L1547177
Samples Received:	10/15/2022
Project Number:	30528336
Description:	2210315
Site:	001
Report To:	Carla Cmar 1638 Roseytown Road Greensburg, PA 15601

Entire Report Reviewed By:

Donna Eidson
Project Manager

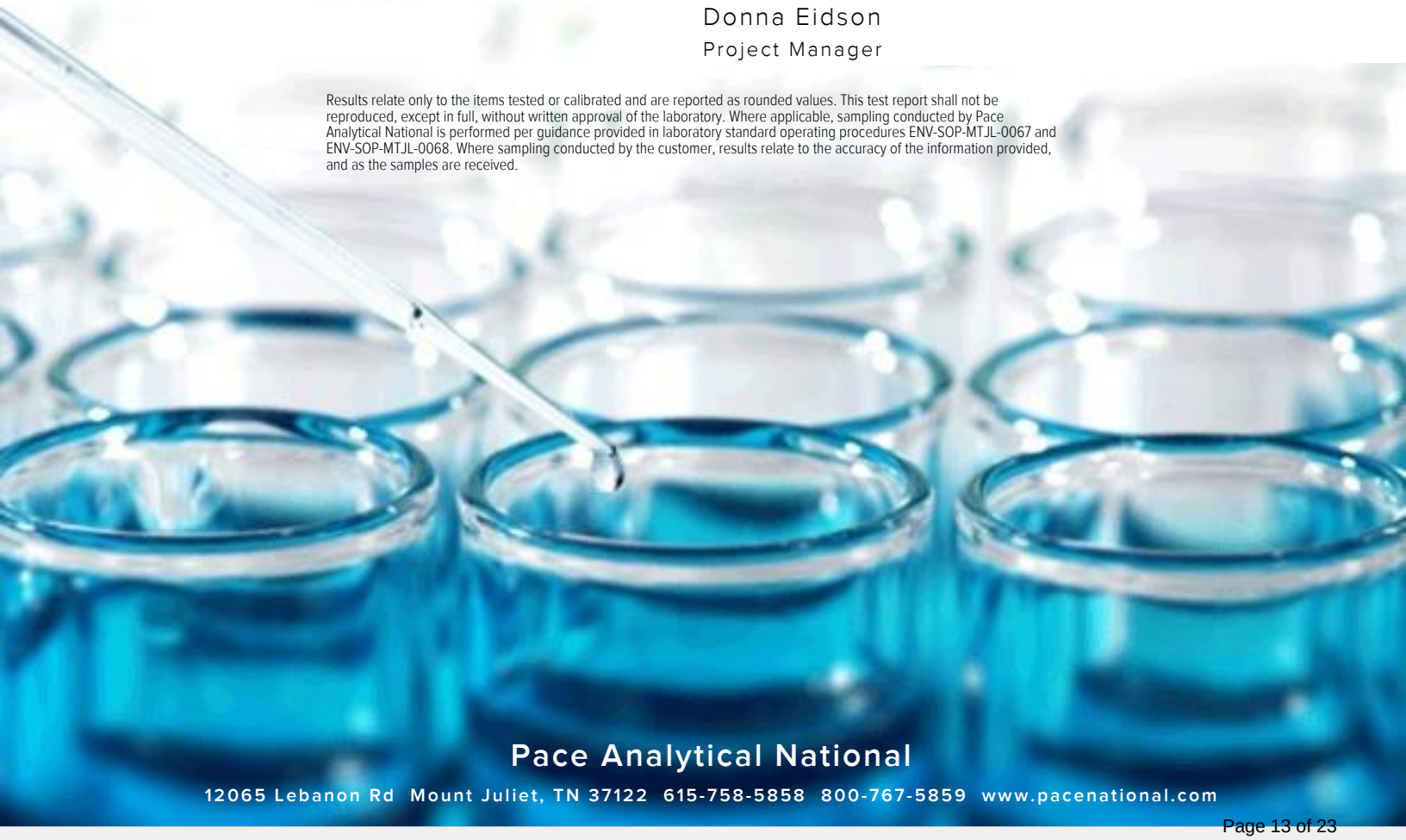


TABLE OF CONTENTS

2210315-001L/R6 NORTH-20221005 L1547177-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	10/05/22 12:15	10/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1949166	1	11/03/22 14:48	11/09/22 16:17	SNR	Mt. Juliet, TN

2210315-002L//R6 SOUTH-2022100 L1547177-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	10/06/22 09:05	10/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1949166	1	11/03/22 14:48	11/09/22 16:20	SNR	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Donna Eidson
Project Manager

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	1.65		0.0549	1.00	11/09/2022 16:17	WG1949166

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	3.46		0.115	1.00	11/09/2022 16:20	WG1949166

Method Blank (MB)

(MB) R3859221-1 11/09/22 15:57

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Uranium	U		1.00	1.00

Laboratory Control Sample (LCS)

(LCS) R3859221-2 11/09/22 16:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	30.0	29.2	97.5	80.0-120	

L1547600-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1547600-01 11/09/22 16:58 • (MS) R3859221-3 11/09/22 16:02 • (MSD) R3859221-5 11/09/22 16:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	ND	20.3	20.1	101	101	1	75.0-125			0.781	20

L1547600-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1547600-02 11/09/22 17:00 • (MS) R3859221-4 11/09/22 16:04 • (MSD) R3859221-6 11/09/22 16:10

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	ND	18.7	19.3	93.6	96.5	1	75.0-125			3.07	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

D171

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: NM
Cert. Needed: ☐ Yes ☐ No
Owner Received Date: 10/7/2022 **Results Requested By:** 11/4/2022

Workorder: 30528336 **Workorder Name:** 2210315

Report To	Subcontract To
Hollie M. Compton Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	Requested Analysis Uranium KPA 1 2	LAB USE ONLY
1	2210315-001L/R6 North-20221005	PS	10/5/2022 12:15	30528336001	Water	1	X	-01
2	2210315-002L/ R6 South-2022100	PS	10/6/2022 09:05	30528336002	Water	1	X	
3								
4								
5								

L547177

Transfers	Released By	Date/Time	Received By	Date/Time
1	Jacob Kerns	10/14/22	D. Ramsey	10/15/22 0400
2				
3				

Comments: OK

Cooler Temperature on Receipt ____ °C | Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.*

Sample Receipt Checklist

COC Seal Present/Intact:	✓Y__N	If Applicable	
COC Signed/Accurate:	✓Y__N	VOA Zero Headspace:	X__N
Bottles arrive intact:	✓Y__N	Pres.Correct/Check:	✓Y__N
Correct bottles used:	✓Y__N		
Sufficient volume sent:	✓Y__N		
RAD Screen <0.5 mR/hr:	✓Y__N	DRAFT 14.1+0=14.1	

HALL ENVIRONMENTAL ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

U547177

SUB CONTRATOR: **Pace-Greensburg**	COMPANY: **Pace Analytical Services, Inc.**	PHONE: **(724) 850-5600**	FAX: **(724) 850-5601**
ADDRESS: **1638 Roseytown Rd Ste 2,3,4**		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: **Greensburg, PA 15601**			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001L	R6 North-20221005	1LHDPEHNO3	Aqueous	10/5/2022 12:15:00 PM	2	Adjusted Gross Alpha
2	2210315-002L	R6 South-20221006	1LHDPEHNO3	Aqueous	10/6/2022 9:05:00 AM	2	Adjusted Gross Alpha

WO# : 30528336

30528336

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By:	Date: 10/6/2022	Time: 11:46 AM	Received By:	Date: 10/7/22	Time: 9:25
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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 _____ °C Attempt to Cool ? _____

Comments: _____

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421
www.capefearanalytical.com

November 23, 2022

Mr. Andy Freeman
Hall Environmental
4901 Hawkins NE
Suite D
Albuquerque, New Mexico 87109

Re: Routine Analysis
Work Order: 20534
SDG: 2210315

Dear Mr. Freeman:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 07, 2022. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421.

Sincerely,

Cynde Larkins

Cynde Larkins
Project Manager

Purchase Order: IDIQ Pricing
Enclosures

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975
FAX: 505-345-4107
Website: www.hallenvironmental.com

CHAIN OF CUSTODY RECORD

PAGE: 1 OF: 1

CFA WO#20534

SUB CONTRATOR: **Cape Fear Analytical**	COMPANY: **Cape Fear Analytical**	PHONE: **(910) 795-0421**	FAX:
ADDRESS: **3306 Kitty Hawk Rd Ste 120**		ACCOUNT #:	EMAIL:
CITY, STATE, ZIP: **Wilmington, NC 28405**			

ITEM	SAMPLE	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTICAL COMMENTS
1	2210315-001J	R6 North-20221005	1LAMGU	Aqueous	10/5/2022 12:15:00 PM	1	PCBs by 1668
2	2210315-002J	R6 South-20221006	1LAMGU	Aqueous	10/6/2022 9:05:00 AM	1	PCBs by 1668

SPECIAL INSTRUCTIONS / COMMENTS:

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.

Relinquished By: [signature]	Date: 10/6/2022	Time: 11:42 AM	Received By: Cynde Jenkins	Date: 07OCT22	Time: 0947
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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 5.2 °C Attempt to Cool ? ✓
Comments:

SAMPLE RECEIPT CHECKLIST

Cape Fear Analytical

Client: HALL	Work Order: 20534
Shipping Company: FedEx	Date/Time Received: 07OCT22 0947

Suspected Hazard Information	Yes	NA	No
Shipped as DOT Hazardous?			✓
Samples identified as Foreign Soil?			✓

DOE Site Sample Packages	Yes	NA	No*
Screened <0.5 mR/hr?		✓	
Samples < 2x background?		✓	

* Notify RSO of any responses in this column immediately.

Air Sample Receipt Specifics	Yes	NA	No
Air sample in shipment?			✓

Air Witness: _____

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other(describe)
2	Custody seal/s present on cooler?	✓			Seal intact? (Yes) No
3	Chain of Custody documents included with shipment?	✓			
4	Samples requiring cold preservation within 0-6°C?	✓			Preservation Method: ice bags loose ice (blue ice) dry ice none other (describe) Temperature Blank present: Yes (No) 5.3° - 0.1 = 5.2°C
5	Aqueous samples found to have visible solids?	✓			Sample IDs, containers affected: Minimal solids (<1%), cloudy
5	Samples requiring chemical preservation at proper pH?		✓		Sample IDs, containers affected and pH observed: pH=7 on both If preservative added, Lot#:
7	Samples requiring preservation have no residual chlorine?	✓			Sample IDs, containers affected: If preservative added, Lot#:
8	Samples received within holding time?	✓			Sample IDs, tests affected:
9	Sample IDs on COC match IDs on containers?	✓			Sample IDs, containers affected:
10	Date & time of COC match date & time on containers?	✓			Sample IDs, containers affected:
11	Number of containers received match number indicated on COC?	✓			List type and number of containers / Sample IDs, containers affected: 2 - 1L WMA 6 bottles, 1 per sample
12	COC form is properly signed in relinquished/received sections?	✓			

Comments:

Checklist performed by: Initials: CF Date: 07OCT22

PCB Congeners Analysis

Case Narrative

PCBC Case Narrative
Hall Environmental Analysis Laboratory (HALL)
SDG 2210315
Work Order 20534

Method/Analysis Information

Product:	**PCB Congeners by EPA Method 1668A in Liquids**
Analytical Method:	EPA Method 1668A
Extraction Method:	SW846 3520C
Analytical Batch Number:	51323
Clean Up Batch Number:	51322
Extraction Batch Number:	51321

Sample Analysis

Samples were received within temperature requirements at 5.2°C (20534001, 20534002).
The following samples were analyzed using the analytical protocol as established in EPA Method 1668A:

Sample ID	Client ID
12033076	Method Blank (MB)
12033077	Laboratory Control Sample (LCS)
12033078	Laboratory Control Sample Duplicate (LCSD)
20534001	2210315-001J R6 North-20221005
20534002	2210315-002J R6 South-20221006

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-003 REV# 10.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

Calibration Information

Initial Calibration

All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements

All associated calibration verification standard(s) (ICV or CCV) met the acceptance criteria.

Quality Control (QC) Information

Certification Statement
The test results presented in this document are certified to meet all requirements of the 2009 TNI Standard.

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery
The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement
The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation
A matrix spike and matrix spike duplicate analysis was not required for this SDG.

Technical Information

Holding Time Specifications
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Manual Integrations
Manual integrations were required for data files in this SDG. Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard

injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction.

System Configuration

This analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description
HRP875_1	PCB Analysis	PCB Analysis	SPB-Octyl	30m x 0.25mm, 0.25um

Sample Data Summary

Cape Fear Analytical, LLC

3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

Certificate of Analysis Report
for

HALL001 Hall Environmental Analysis Laboratory

Client SDG: 2210315 CFA Work Order: 20534

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
B The target analyte was detected in the associated blank.
C Congener has coeluters. When Cxxx, refer to congener number xxx for data
J Value is estimated
U Analyte was analyzed for, but not detected above the specified detection limit.

Review/Validation

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

Signature:  **Name: Alexis Finks**

Date: 23 NOV 2022 **Title: Data Validator**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB	U	ND	pg/L	6.00	114
2051-61-8	2-MoCB	U	ND	pg/L	7.44	114
2051-62-9	3-MoCB	U	ND	pg/L	4.95	114
13029-08-8	4-DiCB	U	ND	pg/L	14.3	114
16605-91-7	5-DiCB	U	ND	pg/L	11.3	114
25569-80-6	6-DiCB	U	ND	pg/L	8.42	114
33284-50-3	7-DiCB	U	ND	pg/L	8.40	114
34883-43-7	8-DiCB	U	ND	pg/L	7.33	114
34883-39-1	9-DiCB	U	ND	pg/L	10.8	114
33146-45-1	10-DiCB	U	ND	pg/L	7.01	114
2050-67-1	11-DiCB	J	33.7	pg/L	9.79	114
2974-92-7	12-DiCB	CU	ND	pg/L	9.11	228
2974-90-5	13-DiCB	C12				
34883-41-5	14-DiCB	U	ND	pg/L	9.15	114
2050-68-2	15-DiCB	U	ND	pg/L	12.1	114
38444-78-9	16-TrCB	U	ND	pg/L	3.99	114
37680-66-3	17-TrCB	U	ND	pg/L	4.79	114
37680-65-2	18-TrCB	CJ	6.39	pg/L	4.13	228
38444-73-4	19-TrCB	U	ND	pg/L	5.75	114
38444-84-7	20-TrCB	BCJ	11.3	pg/L	3.58	228
55702-46-0	21-TrCB	CU	ND	pg/L	3.13	228
38444-85-8	22-TrCB	J	4.47	pg/L	3.54	114
55720-44-0	23-TrCB	U	ND	pg/L	3.31	114
55702-45-9	24-TrCB	U	ND	pg/L	4.40	114
55712-37-3	25-TrCB	U	ND	pg/L	2.97	114
38444-81-4	26-TrCB	CU	ND	pg/L	3.45	228
38444-76-7	27-TrCB	U	ND	pg/L	3.72	114
7012-37-5	28-TrCB	C20				
15862-07-4	29-TrCB	C26				
35693-92-6	30-TrCB	C18				
16606-02-3	31-TrCB	U	ND	pg/L	6.60	114
38444-77-8	32-TrCB	U	ND	pg/L	3.29	114

Comments:

B The target analyte was detected in the associated blank.
C Congener has coeluters. When Cxxx, refer to congener number xxx for data
J Value is estimated
U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
38444-86-9	33-TrCB	C21				
37680-68-5	34-TrCB	U	ND	pg/L	3.86	114
37680-69-6	35-TrCB	U	ND	pg/L	4.70	114
38444-87-0	36-TrCB	U	ND	pg/L	4.11	114
38444-90-5	37-TrCB	U	ND	pg/L	4.11	114
53555-66-1	38-TrCB	U	ND	pg/L	4.61	114
38444-88-1	39-TrCB	U	ND	pg/L	4.70	114
38444-93-8	40-TeCB	CU	ND	pg/L	5.59	228
52663-59-9	41-TeCB	U	ND	pg/L	9.04	114
36559-22-5	42-TeCB	U	ND	pg/L	5.80	114
70362-46-8	43-TeCB	U	ND	pg/L	7.17	114
41464-39-5	44-TeCB	CU	ND	pg/L	8.26	342
70362-45-7	45-TeCB	CJ	4.22	pg/L	2.65	228
41464-47-5	46-TeCB	U	ND	pg/L	2.58	114
2437-79-8	47-TeCB	C44				
70362-47-9	48-TeCB	U	ND	pg/L	6.16	114
41464-40-8	49-TeCB	CU	ND	pg/L	5.00	228
62796-65-0	50-TeCB	CU	ND	pg/L	2.51	228
68194-04-7	51-TeCB	C45				
35693-99-3	52-TeCB	BJ	8.44	pg/L	6.69	228
41464-41-9	53-TeCB	C50				
15968-05-5	54-TeCB	U	ND	pg/L	1.89	114
74338-24-2	55-TeCB	U	ND	pg/L	3.77	114
41464-43-1	56-TeCB	U	ND	pg/L	3.97	114
70424-67-8	57-TeCB	U	ND	pg/L	3.61	114
41464-49-7	58-TeCB	U	ND	pg/L	3.70	114
74472-33-6	59-TeCB	CU	ND	pg/L	4.61	342
33025-41-1	60-TeCB	U	ND	pg/L	3.81	114
33284-53-6	61-TeCB	CU	ND	pg/L	11.1	456
54230-22-7	62-TeCB	C59				
74472-34-7	63-TeCB	U	ND	pg/L	3.70	114
52663-58-8	64-TeCB	U	ND	pg/L	4.47	114

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

J **Value is estimated**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
33284-54-7	65-TeCB	C44				
32598-10-0	66-TeCB	J	4.52	pg/L	3.95	114
73575-53-8	67-TeCB	U	ND	pg/L	3.08	114
73575-52-7	68-TeCB	U	ND	pg/L	3.35	114
60233-24-1	69-TeCB	C49				
32598-11-1	70-TeCB	C61				
41464-46-4	71-TeCB	C40				
41464-42-0	72-TeCB	U	ND	pg/L	3.63	114
74338-23-1	73-TeCB	U	ND	pg/L	4.27	114
32690-93-0	74-TeCB	C61				
32598-12-2	75-TeCB	C59				
70362-48-0	76-TeCB	C61				
32598-13-3	77-TeCB	U	ND	pg/L	3.72	114
70362-49-1	78-TeCB	U	ND	pg/L	4.56	114
41464-48-6	79-TeCB	U	ND	pg/L	3.51	114
33284-52-5	80-TeCB	U	ND	pg/L	3.31	114
70362-50-4	81-TeCB	U	ND	pg/L	3.47	114
52663-62-4	82-PeCB	U	ND	pg/L	5.04	114
60145-20-2	83-PeCB	U	ND	pg/L	5.77	114
52663-60-2	84-PeCB	U	ND	pg/L	4.27	114
65510-45-4	85-PeCB	CU	ND	pg/L	3.56	342
55312-69-1	86-PeCB	BCJ	7.80	pg/L	3.61	685
38380-02-8	87-PeCB	C86				
55215-17-3	88-PeCB	CU	ND	pg/L	4.31	228
73575-57-2	89-PeCB	U	ND	pg/L	4.95	114
68194-07-0	90-PeCB	CU	ND	pg/L	7.17	342
68194-05-8	91-PeCB	C88				
52663-61-3	92-PeCB	U	ND	pg/L	4.75	114
73575-56-1	93-PeCB	CU	ND	pg/L	3.95	228
73575-55-0	94-PeCB	U	ND	pg/L	4.02	114
38379-99-6	95-PeCB	U	ND	pg/L	4.47	114
73575-54-9	96-PeCB	U	ND	pg/L	2.53	114

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

J **Value is estimated**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
41464-51-1	97-PeCB	C86				
60233-25-2	98-PeCB	CU	ND	pg/L	3.86	228
38380-01-7	99-PeCB	U	ND	pg/L	3.81	114
39485-83-1	100-PeCB	C93				
37680-73-2	101-PeCB	C90				
68194-06-9	102-PeCB	C98				
60145-21-3	103-PeCB	U	ND	pg/L	4.06	114
56558-16-8	104-PeCB	U	ND	pg/L	2.01	114
32598-14-4	105-PeCB	U	ND	pg/L	4.08	114
70424-69-0	106-PeCB	U	ND	pg/L	4.13	114
70424-68-9	107-PeCB	U	ND	pg/L	3.42	114
70362-41-3	108-PeCB	CU	ND	pg/L	4.20	228
74472-35-8	109-PeCB	C86				
38380-03-9	110-PeCB	CJ	6.91	pg/L	3.31	228
39635-32-0	111-PeCB	U	ND	pg/L	3.15	114
74472-36-9	112-PeCB	U	ND	pg/L	2.85	114
68194-10-5	113-PeCB	C90				
74472-37-0	114-PeCB	U	ND	pg/L	3.72	114
74472-38-1	115-PeCB	C110				
18259-05-7	116-PeCB	C85				
68194-11-6	117-PeCB	C85				
31508-00-6	118-PeCB	U	ND	pg/L	5.41	114
56558-17-9	119-PeCB	C86				
68194-12-7	120-PeCB	U	ND	pg/L	3.33	114
56558-18-0	121-PeCB	U	ND	pg/L	2.99	114
76842-07-4	122-PeCB	U	ND	pg/L	5.39	114
65510-44-3	123-PeCB	U	ND	pg/L	3.42	114
70424-70-3	124-PeCB	C108				
74472-39-2	125-PeCB	C86				
57465-28-8	126-PeCB	U	ND	pg/L	4.52	114
39635-33-1	127-PeCB	U	ND	pg/L	4.47	114
38380-07-3	128-HxCB	CU	ND	pg/L	3.93	228

Comments:

B **The target analyte was detected in the associated blank.**

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
55215-18-4	129-HxCB	CJ	9.97	pg/L	4.27	342
52663-66-8	130-HxCB	U	ND	pg/L	4.95	114
61798-70-7	131-HxCB	U	ND	pg/L	4.88	114
38380-05-1	132-HxCB	U	ND	pg/L	4.59	114
35694-04-3	133-HxCB	U	ND	pg/L	4.70	114
52704-70-8	134-HxCB	U	ND	pg/L	5.16	114
52744-13-5	135-HxCB	CJ	5.18	pg/L	3.42	228
38411-22-2	136-HxCB	U	ND	pg/L	2.49	114
35694-06-5	137-HxCB	U	ND	pg/L	4.77	114
35065-28-2	138-HxCB	C129				
56030-56-9	139-HxCB	CU	ND	pg/L	3.99	228
59291-64-4	140-HxCB	C139				
52712-04-6	141-HxCB	U	ND	pg/L	4.04	114
41411-61-4	142-HxCB	U	ND	pg/L	4.86	114
68194-15-0	143-HxCB	U	ND	pg/L	4.56	114
68194-14-9	144-HxCB	U	ND	pg/L	3.38	114
74472-40-5	145-HxCB	U	ND	pg/L	2.35	114
51908-16-8	146-HxCB	U	ND	pg/L	3.90	114
68194-13-8	147-HxCB	CJ	5.73	pg/L	3.88	228
74472-41-6	148-HxCB	U	ND	pg/L	3.26	114
38380-04-0	149-HxCB	C147				
68194-08-1	150-HxCB	U	ND	pg/L	2.19	114
52663-63-5	151-HxCB	C135				
68194-09-2	152-HxCB	U	ND	pg/L	2.44	114
35065-27-1	153-HxCB	BCJ	6.71	pg/L	3.56	228
60145-22-4	154-HxCB	U	ND	pg/L	2.65	114
33979-03-2	155-HxCB	U	ND	pg/L	1.87	114
38380-08-4	156-HxCB	CU	ND	pg/L	3.40	228
69782-90-7	157-HxCB	C156				
74472-42-7	158-HxCB	U	ND	pg/L	2.97	114
39635-35-3	159-HxCB	U	ND	pg/L	2.81	114
41411-62-5	160-HxCB	U	ND	pg/L	3.63	114

Comments:

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
74472-43-8	161-HxCB	U	ND	pg/L	3.26	114
39635-34-2	162-HxCB	U	ND	pg/L	2.78	114
74472-44-9	163-HxCB	C129				
74472-45-0	164-HxCB	U	ND	pg/L	3.10	114
74472-46-1	165-HxCB	U	ND	pg/L	3.63	114
41411-63-6	166-HxCB	C128				
52663-72-6	167-HxCB	U	ND	pg/L	2.42	114
59291-65-5	168-HxCB	C153				
32774-16-6	169-HxCB	U	ND	pg/L	3.01	114
35065-30-6	170-HpCB	U	ND	pg/L	3.67	114
52663-71-5	171-HpCB	CU	ND	pg/L	3.56	228
52663-74-8	172-HpCB	U	ND	pg/L	3.65	114
68194-16-1	173-HpCB	C171				
38411-25-5	174-HpCB	U	ND	pg/L	3.95	114
40186-70-7	175-HpCB	U	ND	pg/L	3.19	114
52663-65-7	176-HpCB	U	ND	pg/L	2.46	114
52663-70-4	177-HpCB	U	ND	pg/L	3.61	114
52663-67-9	178-HpCB	U	ND	pg/L	3.51	114
52663-64-6	179-HpCB	U	ND	pg/L	2.37	114
35065-29-3	180-HpCB	CU	ND	pg/L	5.77	228
74472-47-2	181-HpCB	U	ND	pg/L	3.45	114
60145-23-5	182-HpCB	U	ND	pg/L	3.08	114
52663-69-1	183-HpCB	CJ	3.54	pg/L	3.26	228
74472-48-3	184-HpCB	U	ND	pg/L	2.33	114
52712-05-7	185-HpCB	C183				
74472-49-4	186-HpCB	U	ND	pg/L	2.49	114
52663-68-0	187-HpCB	J	3.13	pg/L	3.08	114
74487-85-7	188-HpCB	U	ND	pg/L	2.19	114
39635-31-9	189-HpCB	U	ND	pg/L	2.56	114
41411-64-7	190-HpCB	U	ND	pg/L	2.85	114
74472-50-7	191-HpCB	U	ND	pg/L	2.65	114
74472-51-8	192-HpCB	U	ND	pg/L	2.94	114

Comments:

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
69782-91-8	193-HpCB	C180				
35694-08-7	194-OcCB	U	ND	pg/L	4.06	114
52663-78-2	195-OcCB	U	ND	pg/L	2.74	114
42740-50-1	196-OcCB	U	ND	pg/L	3.04	114
33091-17-7	197-OcCB	CJ	3.10	pg/L	2.33	228
68194-17-2	198-OcCB	CJ	4.91	pg/L	3.26	228
52663-75-9	199-OcCB	C198				
52663-73-7	200-OcCB	C197				
40186-71-8	201-OcCB	U	ND	pg/L	2.17	114
2136-99-4	202-OcCB	U	ND	pg/L	2.35	114
52663-76-0	203-OcCB	U	ND	pg/L	3.10	114
74472-52-9	204-OcCB	U	ND	pg/L	2.24	114
74472-53-0	205-OcCB	U	ND	pg/L	1.94	114
40186-72-9	206-NoCB	U	ND	pg/L	4.06	114
52663-79-3	207-NoCB	U	ND	pg/L	2.81	114
52663-77-1	208-NoCB	U	ND	pg/L	2.42	114
2051-24-3	209-DeCB	U	ND	pg/L	3.01	114
1336-36-3	Total PCB Congeners	J	130	pg/L		114

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		896	2280	pg/L	39.3	(15%-150%)
13C-3-MoCB		1040	2280	pg/L	45.7	(15%-150%)
13C-4-DiCB		1100	2280	pg/L	48.0	(25%-150%)
13C-15-DiCB		1650	2280	pg/L	72.2	(25%-150%)
13C-19-TrCB		1390	2280	pg/L	61.0	(25%-150%)
13C-37-TrCB		1450	2280	pg/L	63.6	(25%-150%)
13C-54-TeCB		1430	2280	pg/L	62.6	(25%-150%)
13C-77-TeCB		1840	2280	pg/L	80.8	(25%-150%)
13C-81-TeCB		1900	2280	pg/L	83.2	(25%-150%)
13C-104-PeCB		1320	2280	pg/L	57.7	(25%-150%)
13C-105-PeCB		1480	2280	pg/L	64.7	(25%-150%)
13C-114-PeCB		1470	2280	pg/L	64.4	(25%-150%)
13C-118-PeCB		1370	2280	pg/L	60.1	(25%-150%)
13C-123-PeCB		1590	2280	pg/L	69.5	(25%-150%)
13C-126-PeCB		1530	2280	pg/L	66.9	(25%-150%)
13C-155-HxCB		1480	2280	pg/L	64.7	(25%-150%)
13C-156-HxCB	C	2990	4560	pg/L	65.5	(25%-150%)
13C-157-HxCB	C156L					
13C-167-HxCB		1470	2280	pg/L	64.6	(25%-150%)
13C-169-HxCB		1480	2280	pg/L	64.7	(25%-150%)
13C-188-HpCB		1490	2280	pg/L	65.2	(25%-150%)
13C-189-HpCB		1480	2280	pg/L	64.9	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534001**	**Date Collected:**	**10/05/2022 12:15**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-001J R6 North-20221005**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 21:11**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-9**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**876.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-202-OcCB		1460	2280	pg/L	64.0	(25%-150%)
13C-205-OcCB		1780	2280	pg/L	78.1	(25%-150%)
13C-206-NoCB		1730	2280	pg/L	76.0	(25%-150%)
13C-208-NoCB		1670	2280	pg/L	73.1	(25%-150%)
13C-209-DeCB		1650	2280	pg/L	72.4	(25%-150%)
13C-28-TrCB		1610	2280	pg/L	70.7	(30%-135%)
13C-111-PeCB		1790	2280	pg/L	78.5	(30%-135%)
13C-178-HpCB		2090	2280	pg/L	91.6	(30%-135%)

Comments:

B **The target analyte was detected in the associated blank.**
C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**
J **Value is estimated**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB	U	ND	pg/L	6.23	105
2051-61-8	2-MoCB	U	ND	pg/L	7.85	105
2051-62-9	3-MoCB	U	ND	pg/L	5.33	105
13029-08-8	4-DiCB	U	ND	pg/L	12.7	105
16605-91-7	5-DiCB	U	ND	pg/L	11.7	105
25569-80-6	6-DiCB	U	ND	pg/L	8.73	105
33284-50-3	7-DiCB	U	ND	pg/L	8.69	105
34883-43-7	8-DiCB	U	ND	pg/L	7.60	105
34883-39-1	9-DiCB	U	ND	pg/L	11.2	105
33146-45-1	10-DiCB	U	ND	pg/L	6.40	105
2050-67-1	11-DiCB	J	86.7	pg/L	10.1	105
2974-92-7	12-DiCB	CU	ND	pg/L	9.42	210
2974-90-5	13-DiCB	C12				
34883-41-5	14-DiCB	U	ND	pg/L	9.49	105
2050-68-2	15-DiCB	U	ND	pg/L	15.0	105
38444-78-9	16-TrCB	U	ND	pg/L	4.32	105
37680-66-3	17-TrCB	U	ND	pg/L	5.18	105
37680-65-2	18-TrCB	CU	ND	pg/L	7.68	210
38444-73-4	19-TrCB	U	ND	pg/L	6.02	105
38444-84-7	20-TrCB	BCJ	16.7	pg/L	3.88	210
55702-46-0	21-TrCB	CU	ND	pg/L	6.86	210
38444-85-8	22-TrCB	U	ND	pg/L	6.59	105
55720-44-0	23-TrCB	U	ND	pg/L	3.59	105
55702-45-9	24-TrCB	U	ND	pg/L	4.76	105
55712-37-3	25-TrCB	U	ND	pg/L	3.21	105
38444-81-4	26-TrCB	CU	ND	pg/L	3.71	210
38444-76-7	27-TrCB	U	ND	pg/L	4.03	105
7012-37-5	28-TrCB	C20				
15862-07-4	29-TrCB	C26				
35693-92-6	30-TrCB	C18				
16606-02-3	31-TrCB	U	ND	pg/L	11.3	105
38444-77-8	32-TrCB	U	ND	pg/L	3.76	105

Comments:

B The target analyte was detected in the associated blank.
C Congener has coeluters. When Cxxx, refer to congener number xxx for data
J Value is estimated
U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
38444-86-9	33-TrCB	C21				
37680-68-5	34-TrCB	U	ND	pg/L	4.18	105
37680-69-6	35-TrCB	U	ND	pg/L	6.57	105
38444-87-0	36-TrCB	U	ND	pg/L	5.71	105
38444-90-5	37-TrCB	J	7.98	pg/L	5.81	105
53555-66-1	38-TrCB	U	ND	pg/L	6.44	105
38444-88-1	39-TrCB	U	ND	pg/L	6.55	105
38444-93-8	40-TeCB	CU	ND	pg/L	5.79	210
52663-59-9	41-TeCB	U	ND	pg/L	9.78	105
36559-22-5	42-TeCB	U	ND	pg/L	6.28	105
70362-46-8	43-TeCB	U	ND	pg/L	7.77	105
41464-39-5	44-TeCB	CJ	18.1	pg/L	6.07	315
70362-45-7	45-TeCB	CJ	5.08	pg/L	3.25	210
41464-47-5	46-TeCB	U	ND	pg/L	3.17	105
2437-79-8	47-TeCB	C44				
70362-47-9	48-TeCB	U	ND	pg/L	6.67	105
41464-40-8	49-TeCB	CU	ND	pg/L	7.70	210
62796-65-0	50-TeCB	CU	ND	pg/L	3.30	210
68194-04-7	51-TeCB	C45				
35693-99-3	52-TeCB	BJ	25.7	pg/L	7.26	210
41464-41-9	53-TeCB	C50				
15968-05-5	54-TeCB	U	ND	pg/L	2.14	105
74338-24-2	55-TeCB	U	ND	pg/L	3.69	105
41464-43-1	56-TeCB	J	8.37	pg/L	3.92	105
70424-67-8	57-TeCB	U	ND	pg/L	3.57	105
41464-49-7	58-TeCB	U	ND	pg/L	3.65	105
74472-33-6	59-TeCB	CU	ND	pg/L	5.00	315
33025-41-1	60-TeCB	U	ND	pg/L	4.01	105
33284-53-6	61-TeCB	CU	ND	pg/L	33.6	420
54230-22-7	62-TeCB	C59				
74472-34-7	63-TeCB	U	ND	pg/L	3.63	105
52663-58-8	64-TeCB	J	8.08	pg/L	4.85	105

Comments:

B **The target analyte was detected in the associated blank.**
C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**
J **Value is estimated**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
33284-54-7	65-TeCB	C44				
32598-10-0	66-TeCB	J	12.8	pg/L	3.88	105
73575-53-8	67-TeCB	U	ND	pg/L	3.04	105
73575-52-7	68-TeCB	U	ND	pg/L	3.32	105
60233-24-1	69-TeCB	C49				
32598-11-1	70-TeCB	C61				
41464-46-4	71-TeCB	C40				
41464-42-0	72-TeCB	U	ND	pg/L	3.59	105
74338-23-1	73-TeCB	U	ND	pg/L	4.62	105
32690-93-0	74-TeCB	C61				
32598-12-2	75-TeCB	C59				
70362-48-0	76-TeCB	C61				
32598-13-3	77-TeCB	J	4.11	pg/L	3.80	105
70362-49-1	78-TeCB	U	ND	pg/L	4.49	105
41464-48-6	79-TeCB	U	ND	pg/L	3.46	105
33284-52-5	80-TeCB	U	ND	pg/L	3.27	105
70362-50-4	81-TeCB	U	ND	pg/L	3.51	105
52663-62-4	82-PeCB	U	ND	pg/L	7.64	105
60145-20-2	83-PeCB	U	ND	pg/L	8.73	105
52663-60-2	84-PeCB	J	9.00	pg/L	6.46	105
65510-45-4	85-PeCB	CJ	8.56	pg/L	5.39	315
55312-69-1	86-PeCB	BCJ	35.2	pg/L	5.48	630
38380-02-8	87-PeCB	C86				
55215-17-3	88-PeCB	CU	ND	pg/L	6.53	210
73575-57-2	89-PeCB	U	ND	pg/L	7.49	105
68194-07-0	90-PeCB	CJ	48.3	pg/L	5.56	315
68194-05-8	91-PeCB	C88				
52663-61-3	92-PeCB	J	8.54	pg/L	7.20	105
73575-56-1	93-PeCB	CU	ND	pg/L	5.98	210
73575-55-0	94-PeCB	U	ND	pg/L	6.09	105
38379-99-6	95-PeCB	J	37.5	pg/L	6.76	105
73575-54-9	96-PeCB	U	ND	pg/L	2.92	105

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

J **Value is estimated**

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
41464-51-1	97-PeCB	C86				
60233-25-2	98-PeCB	CU	ND	pg/L	5.83	210
38380-01-7	99-PeCB	J	14.9	pg/L	5.77	105
39485-83-1	100-PeCB	C93				
37680-73-2	101-PeCB	C90				
68194-06-9	102-PeCB	C98				
60145-21-3	103-PeCB	U	ND	pg/L	6.15	105
56558-16-8	104-PeCB	U	ND	pg/L	2.27	105
32598-14-4	105-PeCB	J	16.5	pg/L	4.47	105
70424-69-0	106-PeCB	U	ND	pg/L	4.83	105
70424-68-9	107-PeCB	U	ND	pg/L	4.30	105
70362-41-3	108-PeCB	CU	ND	pg/L	4.91	210
74472-35-8	109-PeCB	C86				
38380-03-9	110-PeCB	CJ	59.8	pg/L	5.02	210
39635-32-0	111-PeCB	U	ND	pg/L	4.76	105
74472-36-9	112-PeCB	U	ND	pg/L	4.32	105
68194-10-5	113-PeCB	C90				
74472-37-0	114-PeCB	U	ND	pg/L	4.37	105
74472-38-1	115-PeCB	C110				
18259-05-7	116-PeCB	C85				
68194-11-6	117-PeCB	C85				
31508-00-6	118-PeCB	BJ	43.2	pg/L	4.64	105
56558-17-9	119-PeCB	C86				
68194-12-7	120-PeCB	U	ND	pg/L	5.06	105
56558-18-0	121-PeCB	U	ND	pg/L	4.53	105
76842-07-4	122-PeCB	U	ND	pg/L	6.28	105
65510-44-3	123-PeCB	U	ND	pg/L	4.03	105
70424-70-3	124-PeCB	C108				
74472-39-2	125-PeCB	C86				
57465-28-8	126-PeCB	U	ND	pg/L	5.10	105
39635-33-1	127-PeCB	U	ND	pg/L	5.23	105
38380-07-3	128-HxCB	CJ	14.2	pg/L	7.35	210

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

J **Value is estimated**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
55215-18-4	129-HxCB	CJ	116	pg/L	8.00	315
52663-66-8	130-HxCB	U	ND	pg/L	9.23	105
61798-70-7	131-HxCB	U	ND	pg/L	9.15	105
38380-05-1	132-HxCB	J	30.4	pg/L	8.56	105
35694-04-3	133-HxCB	U	ND	pg/L	8.77	105
52704-70-8	134-HxCB	U	ND	pg/L	9.63	105
52744-13-5	135-HxCB	CJ	33.3	pg/L	4.64	210
38411-22-2	136-HxCB	J	10.7	pg/L	3.36	105
35694-06-5	137-HxCB	U	ND	pg/L	8.92	105
35065-28-2	138-HxCB	C129				
56030-56-9	139-HxCB	CU	ND	pg/L	7.49	210
59291-64-4	140-HxCB	C139				
52712-04-6	141-HxCB	J	20.9	pg/L	7.56	105
41411-61-4	142-HxCB	U	ND	pg/L	9.09	105
68194-15-0	143-HxCB	U	ND	pg/L	8.52	105
68194-14-9	144-HxCB	J	6.00	pg/L	4.55	105
74472-40-5	145-HxCB	U	ND	pg/L	3.19	105
51908-16-8	146-HxCB	U	ND	pg/L	13.1	105
68194-13-8	147-HxCB	CJ	68.6	pg/L	7.24	210
74472-41-6	148-HxCB	U	ND	pg/L	4.37	105
38380-04-0	149-HxCB	C147				
68194-08-1	150-HxCB	U	ND	pg/L	2.98	105
52663-63-5	151-HxCB	C135				
68194-09-2	152-HxCB	U	ND	pg/L	3.30	105
35065-27-1	153-HxCB	CJ	85.4	pg/L	6.67	210
60145-22-4	154-HxCB	U	ND	pg/L	3.61	105
33979-03-2	155-HxCB	U	ND	pg/L	2.67	105
38380-08-4	156-HxCB	CU	ND	pg/L	10.9	210
69782-90-7	157-HxCB	C156				
74472-42-7	158-HxCB	U	ND	pg/L	10.8	105
39635-35-3	159-HxCB	U	ND	pg/L	4.16	105
41411-62-5	160-HxCB	U	ND	pg/L	6.78	105

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

J **Value is estimated**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
74472-43-8	161-HxCB	U	ND	pg/L	6.11	105
39635-34-2	162-HxCB	U	ND	pg/L	4.13	105
74472-44-9	163-HxCB	C129				
74472-45-0	164-HxCB	U	ND	pg/L	6.00	105
74472-46-1	165-HxCB	U	ND	pg/L	6.78	105
41411-63-6	166-HxCB	C128				
52663-72-6	167-HxCB	J	4.22	pg/L	3.65	105
59291-65-5	168-HxCB	C153				
32774-16-6	169-HxCB	U	ND	pg/L	4.37	105
35065-30-6	170-HpCB	J	32.8	pg/L	3.86	105
52663-71-5	171-HpCB	CU	ND	pg/L	10.5	210
52663-74-8	172-HpCB	J	6.23	pg/L	3.84	105
68194-16-1	173-HpCB	C171				
38411-25-5	174-HpCB	J	27.2	pg/L	3.38	105
40186-70-7	175-HpCB	U	ND	pg/L	3.40	105
52663-65-7	176-HpCB	U	ND	pg/L	3.74	105
52663-70-4	177-HpCB	U	ND	pg/L	18.2	105
52663-67-9	178-HpCB	U	ND	pg/L	8.50	105
52663-64-6	179-HpCB	J	12.2	pg/L	2.52	105
35065-29-3	180-HpCB	CJ	63.2	pg/L	3.09	210
74472-47-2	181-HpCB	U	ND	pg/L	3.63	105
60145-23-5	182-HpCB	U	ND	pg/L	3.27	105
52663-69-1	183-HpCB	CJ	19.3	pg/L	3.44	210
74472-48-3	184-HpCB	U	ND	pg/L	2.48	105
52712-05-7	185-HpCB	C183				
74472-49-4	186-HpCB	U	ND	pg/L	2.64	105
52663-68-0	187-HpCB	J	33.5	pg/L	3.25	105
74487-85-7	188-HpCB	U	ND	pg/L	2.35	105
39635-31-9	189-HpCB	J	3.21	pg/L	3.04	105
41411-64-7	190-HpCB	J	6.07	pg/L	3.00	105
74472-50-7	191-HpCB	U	ND	pg/L	2.79	105
74472-51-8	192-HpCB	U	ND	pg/L	3.13	105

Comments:

B **The target analyte was detected in the associated blank.**

C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**

J **Value is estimated**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
69782-91-8	193-HpCB	C180				
35694-08-7	194-OcCB	J	16.7	pg/L	3.15	105
52663-78-2	195-OcCB	U	ND	pg/L	6.67	105
42740-50-1	196-OcCB	U	ND	pg/L	8.71	105
33091-17-7	197-OcCB	CU	ND	pg/L	3.97	210
68194-17-2	198-OcCB	CU	ND	pg/L	16.3	210
52663-75-9	199-OcCB	C198				
52663-73-7	200-OcCB	C197				
40186-71-8	201-OcCB	U	ND	pg/L	2.92	105
2136-99-4	202-OcCB	U	ND	pg/L	3.61	105
52663-76-0	203-OcCB	J	9.93	pg/L	4.20	105
74472-52-9	204-OcCB	U	ND	pg/L	3.00	105
74472-53-0	205-OcCB	U	ND	pg/L	2.22	105
40186-72-9	206-NoCB	J	8.02	pg/L	3.82	105
52663-79-3	207-NoCB	U	ND	pg/L	2.85	105
52663-77-1	208-NoCB	U	ND	pg/L	2.98	105
2051-24-3	209-DeCB	U	ND	pg/L	5.18	105
1336-36-3	Total PCB Congeners	J	1100	pg/L		105

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		886	2100	pg/L	42.2	(15%-150%)
13C-3-MoCB		1020	2100	pg/L	48.7	(15%-150%)
13C-4-DiCB		1130	2100	pg/L	53.8	(25%-150%)
13C-15-DiCB		1550	2100	pg/L	73.8	(25%-150%)
13C-19-TrCB		1330	2100	pg/L	63.5	(25%-150%)
13C-37-TrCB		1380	2100	pg/L	65.7	(25%-150%)
13C-54-TeCB		1390	2100	pg/L	66.4	(25%-150%)
13C-77-TeCB		1680	2100	pg/L	79.8	(25%-150%)
13C-81-TeCB		1770	2100	pg/L	84.2	(25%-150%)
13C-104-PeCB		1260	2100	pg/L	60.2	(25%-150%)
13C-105-PeCB		1460	2100	pg/L	69.7	(25%-150%)
13C-114-PeCB		1400	2100	pg/L	66.6	(25%-150%)
13C-118-PeCB		1310	2100	pg/L	62.5	(25%-150%)
13C-123-PeCB		1510	2100	pg/L	71.8	(25%-150%)
13C-126-PeCB		1520	2100	pg/L	72.5	(25%-150%)
13C-155-HxCB		1270	2100	pg/L	60.3	(25%-150%)
13C-156-HxCB	C	2670	4200	pg/L	63.5	(25%-150%)
13C-157-HxCB	C156L					
13C-167-HxCB		1310	2100	pg/L	62.3	(25%-150%)
13C-169-HxCB		1300	2100	pg/L	62.1	(25%-150%)
13C-188-HpCB		1280	2100	pg/L	61.1	(25%-150%)
13C-189-HpCB		1330	2100	pg/L	63.3	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**20534002**	**Date Collected:**	**10/06/2022 09:05**	**Matrix:**	**WATER**
Client Sample:	**1668A Water**	**Date Received:**	**10/07/2022 09:47**		
Client ID:	**2210315-002J R6 South-20221006**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/11/2022 22:21**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_7-10**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**952.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-202-OcCB		1260	2100	pg/L	60.1	(25%-150%)
13C-205-OcCB		1590	2100	pg/L	75.6	(25%-150%)
13C-206-NoCB		1610	2100	pg/L	76.8	(25%-150%)
13C-208-NoCB		1420	2100	pg/L	67.8	(25%-150%)
13C-209-DeCB		1590	2100	pg/L	75.8	(25%-150%)
13C-28-TrCB		1570	2100	pg/L	75.0	(30%-135%)
13C-111-PeCB		1650	2100	pg/L	78.5	(30%-135%)
13C-178-HpCB		1800	2100	pg/L	85.9	(30%-135%)

Comments:

B **The target analyte was detected in the associated blank.**
C **Congener has coeluters. When Cxxx, refer to congener number xxx for data**
J **Value is estimated**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

Quality Control Summary

PCB Congeners

Surrogate Recovery Report

SDG Number: 2210315

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12033077	LCS for batch 51321	13C-1-MoCB		37.9	(15%-140%)
		13C-3-MoCB		43.8	(15%-140%)
		13C-4-DiCB		43.3	(30%-140%)
		13C-15-DiCB		65.1	(30%-140%)
		13C-19-TrCB		53.6	(30%-140%)
		13C-37-TrCB		61.0	(30%-140%)
		13C-54-TeCB		51.6	(30%-140%)
		13C-77-TeCB		64.6	(30%-140%)
		13C-81-TeCB		66.8	(30%-140%)
		13C-104-PeCB		60.0	(30%-140%)
		13C-105-PeCB		57.4	(30%-140%)
		13C-114-PeCB		56.9	(30%-140%)
		13C-118-PeCB		50.5	(30%-140%)
		13C-123-PeCB		58.0	(30%-140%)
		13C-126-PeCB		65.6	(30%-140%)
		13C-155-HxCB		57.6	(30%-140%)
		13C-156-HxCB	C	65.3	(30%-140%)
		13C-157-HxCB	C156L		
		13C-167-HxCB		65.4	(30%-140%)
		13C-169-HxCB		67.8	(30%-140%)
		13C-188-HpCB		56.5	(30%-140%)
		13C-189-HpCB		58.4	(30%-140%)
		13C-202-OcCB		61.1	(30%-140%)
		13C-205-OcCB		70.3	(30%-140%)
		13C-206-NoCB		69.1	(30%-140%)
		13C-208-NoCB		57.7	(30%-140%)
		13C-209-DeCB		68.4	(30%-140%)
		13C-28-TrCB		61.0	(40%-125%)
		13C-111-PeCB		64.1	(40%-125%)
		13C-178-HpCB		73.2	(40%-125%)
12033078	LCSD for batch 51321	13C-1-MoCB		27.2	(15%-140%)
		13C-3-MoCB		31.8	(15%-140%)
		13C-4-DiCB		32.8	(30%-140%)
		13C-15-DiCB		44.8	(30%-140%)
		13C-19-TrCB		41.9	(30%-140%)
		13C-37-TrCB		37.6	(30%-140%)
		13C-54-TeCB		37.5	(30%-140%)
		13C-77-TeCB		41.3	(30%-140%)
		13C-81-TeCB		43.7	(30%-140%)
		13C-104-PeCB		44.2	(30%-140%)
		13C-105-PeCB		43.2	(30%-140%)
		13C-114-PeCB		42.1	(30%-140%)
		13C-118-PeCB		38.2	(30%-140%)
		13C-123-PeCB		44.0	(30%-140%)
		13C-126-PeCB		42.9	(30%-140%)
		13C-155-HxCB		38.2	(30%-140%)
		13C-156-HxCB	C	41.2	(30%-140%)
		13C-157-HxCB	C156L		
		13C-167-HxCB		41.8	(30%-140%)
		13C-169-HxCB		41.8	(30%-140%)
		13C-188-HpCB		39.7	(30%-140%)
		13C-189-HpCB		40.8	(30%-140%)

PCB Congeners

Surrogate Recovery Report

SDG Number: 2210315

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12033078	LCSD for batch 51321	13C-202-OcCB		39.0	(30%-140%)
		13C-205-OcCB		47.6	(30%-140%)
		13C-206-NoCB		46.5	(30%-140%)
		13C-208-NoCB		40.6	(30%-140%)
		13C-209-DeCB		46.0	(30%-140%)
		13C-28-TrCB		54.9	(40%-125%)
		13C-111-PeCB		61.1	(40%-125%)
		13C-178-HpCB		63.3	(40%-125%)
12033076	MB for batch 51321	13C-1-MoCB		33.3	(15%-150%)
		13C-3-MoCB		38.0	(15%-150%)
		13C-4-DiCB		38.1	(25%-150%)
		13C-15-DiCB		50.4	(25%-150%)
		13C-19-TrCB		45.8	(25%-150%)
		13C-37-TrCB		48.2	(25%-150%)
		13C-54-TeCB		43.6	(25%-150%)
		13C-77-TeCB		56.2	(25%-150%)
		13C-81-TeCB		60.0	(25%-150%)
		13C-104-PeCB		46.6	(25%-150%)
		13C-105-PeCB		48.6	(25%-150%)
		13C-114-PeCB		48.2	(25%-150%)
		13C-118-PeCB		44.1	(25%-150%)
		13C-123-PeCB		50.5	(25%-150%)
		13C-126-PeCB		50.6	(25%-150%)
		13C-155-HxCB		49.8	(25%-150%)
		13C-156-HxCB	C	56.2	(25%-150%)
		13C-157-HxCB	C156L		
		13C-167-HxCB		55.7	(25%-150%)
		13C-169-HxCB		57.1	(25%-150%)
		13C-188-HpCB		49.5	(25%-150%)
		13C-189-HpCB		51.5	(25%-150%)
		13C-202-OcCB		51.8	(25%-150%)
		13C-205-OcCB		58.6	(25%-150%)
		13C-206-NoCB		57.5	(25%-150%)
		13C-208-NoCB		51.4	(25%-150%)
		13C-209-DeCB		57.7	(25%-150%)
		13C-28-TrCB		51.9	(30%-135%)
		13C-111-PeCB		55.2	(30%-135%)
		13C-178-HpCB		62.0	(30%-135%)
20534001	2210315-001J R6 North-20221005	13C-1-MoCB		39.3	(15%-150%)
		13C-3-MoCB		45.7	(15%-150%)
		13C-4-DiCB		48.0	(25%-150%)
		13C-15-DiCB		72.2	(25%-150%)
		13C-19-TrCB		61.0	(25%-150%)
		13C-37-TrCB		63.6	(25%-150%)
		13C-54-TeCB		62.6	(25%-150%)
		13C-77-TeCB		80.8	(25%-150%)
		13C-81-TeCB		83.2	(25%-150%)
		13C-104-PeCB		57.7	(25%-150%)
		13C-105-PeCB		64.7	(25%-150%)
		13C-114-PeCB		64.4	(25%-150%)
		13C-118-PeCB		60.1	(25%-150%)

PCB Congeners

Surrogate Recovery Report

SDG Number: 2210315

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
20534001	2210315-001J R6 North-20221005	13C-123-PeCB		69.5	(25%-150%)
		13C-126-PeCB		66.9	(25%-150%)
		13C-155-HxCB		64.7	(25%-150%)
		13C-156-HxCB	C	65.5	(25%-150%)
		13C-157-HxCB	C156L		
		13C-167-HxCB		64.6	(25%-150%)
		13C-169-HxCB		64.7	(25%-150%)
		13C-188-HpCB		65.2	(25%-150%)
		13C-189-HpCB		64.9	(25%-150%)
		13C-202-OcCB		64.0	(25%-150%)
		13C-205-OcCB		78.1	(25%-150%)
		13C-206-NoCB		76.0	(25%-150%)
		13C-208-NoCB		73.1	(25%-150%)
		13C-209-DeCB		72.4	(25%-150%)
		13C-28-TrCB		70.7	(30%-135%)
		13C-111-PeCB		78.5	(30%-135%)
		13C-178-HpCB		91.6	(30%-135%)
20534002	2210315-002J R6 South-20221006	13C-1-MoCB		42.2	(15%-150%)
		13C-3-MoCB		48.7	(15%-150%)
		13C-4-DiCB		53.8	(25%-150%)
		13C-15-DiCB		73.8	(25%-150%)
		13C-19-TrCB		63.5	(25%-150%)
		13C-37-TrCB		65.7	(25%-150%)
		13C-54-TeCB		66.4	(25%-150%)
		13C-77-TeCB		79.8	(25%-150%)
		13C-81-TeCB		84.2	(25%-150%)
		13C-104-PeCB		60.2	(25%-150%)
		13C-105-PeCB		69.7	(25%-150%)
		13C-114-PeCB		66.6	(25%-150%)
		13C-118-PeCB		62.5	(25%-150%)
		13C-123-PeCB		71.8	(25%-150%)
		13C-126-PeCB		72.5	(25%-150%)
		13C-155-HxCB		60.3	(25%-150%)
		13C-156-HxCB	C	63.5	(25%-150%)
		13C-157-HxCB	C156L		
		13C-167-HxCB		62.3	(25%-150%)
		13C-169-HxCB		62.1	(25%-150%)
		13C-188-HpCB		61.1	(25%-150%)
		13C-189-HpCB		63.3	(25%-150%)
		13C-202-OcCB		60.1	(25%-150%)
		13C-205-OcCB		75.6	(25%-150%)
		13C-206-NoCB		76.8	(25%-150%)
		13C-208-NoCB		67.8	(25%-150%)
		13C-209-DeCB		75.8	(25%-150%)
		13C-28-TrCB		75.0	(30%-135%)
		13C-111-PeCB		78.5	(30%-135%)
		13C-178-HpCB		85.9	(30%-135%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

PCB Congeners

Quality Control Summary
Spike Recovery Report

SDG Number: 2210315 **Sample Type:** Laboratory Control Sample

Client ID: LCS for batch 51321 **Matrix:** WATER

Lab Sample ID: 12033077

Instrument: HRP875 **Analysis Date:** 11/10/2022 12:14 **Dilution:** 1

Analyst: MLL **Prep Batch ID:** 51321

Batch ID: 51323

CAS No.		Parmname	Amount Added pg/L		Spike Conc. pg/L	Recovery %	Acceptance Limits
2051-60-7	LCS	1-MoCB	500		490	98.1	50-150
2051-62-9	LCS	3-MoCB	500		498	99.6	50-150
13029-08-8	LCS	4-DiCB	500		462	92.3	50-150
2050-68-2	LCS	15-DiCB	500		513	103	50-150
38444-73-4	LCS	19-TrCB	500		513	103	50-150
38444-90-5	LCS	37-TrCB	500		483	96.6	50-150
15968-05-5	LCS	54-TeCB	1000		1020	102	50-150
32598-13-3	LCS	77-TeCB	1000		977	97.7	50-150
70362-50-4	LCS	81-TeCB	1000		826	82.6	50-150
56558-16-8	LCS	104-PeCB	1000		1010	101	50-150
32598-14-4	LCS	105-PeCB	1000		924	92.4	50-150
74472-37-0	LCS	114-PeCB	1000		1040	104	50-150
31508-00-6	LCS	118-PeCB	1000		1110	111	50-150
65510-44-3	LCS	123-PeCB	1000		926	92.6	50-150
57465-28-8	LCS	126-PeCB	1000		993	99.3	50-150
33979-03-2	LCS	155-HxCB	1000		1000	100	50-150
38380-08-4	LCS	156-HxCB	2000	C	1980	98.9	50-150
69782-90-7	LCS	157-HxCB		C156			
52663-72-6	LCS	167-HxCB	1000		1000	100	50-150
32774-16-6	LCS	169-HxCB	1000		967	96.7	50-150
74487-85-7	LCS	188-HpCB	1000		997	99.7	50-150
39635-31-9	LCS	189-HpCB	1000		1010	101	50-150
2136-99-4	LCS	202-OcCB	1500		1620	108	50-150
74472-53-0	LCS	205-OcCB	1500		1450	96.4	50-150
40186-72-9	LCS	206-NoCB	1500		1490	99.3	50-150
52663-77-1	LCS	208-NoCB	1500		1590	106	50-150
2051-24-3	LCS	209-DeCB	1500		1430	95.4	50-150

PCB Congeners

Quality Control Summary
Spike Recovery Report

SDG Number: 2210315 **Sample Type:** Laboratory Control Sample Duplicate

Client ID: LCSD for batch 51321 **Matrix:** WATER

Lab Sample ID: 12033078

Instrument: HRP875 **Analysis Date:** 11/10/2022 13:23 **Dilution:** 1

Analyst: MLL **Prep Batch ID:** 51321

Batch ID: 51323

CAS No.		Parmname	Amount Added pg/L		Spike Conc. pg/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
2051-60-7	LCSD	1-MoCB	500		443	88.5	50-150	10.2	0-20
2051-62-9	LCSD	3-MoCB	500		480	96	50-150	3.66	0-20
13029-08-8	LCSD	4-DiCB	500		425	85	50-150	8.22	0-20
2050-68-2	LCSD	15-DiCB	500		471	94.3	50-150	8.51	0-20
38444-73-4	LCSD	19-TrCB	500		473	94.5	50-150	8.26	0-20
38444-90-5	LCSD	37-TrCB	500		456	91.2	50-150	5.67	0-20
15968-05-5	LCSD	54-TeCB	1000		988	98.8	50-150	3.41	0-20
32598-13-3	LCSD	77-TeCB	1000		901	90.1	50-150	8.10	0-20
70362-50-4	LCSD	81-TeCB	1000		769	76.9	50-150	7.23	0-20
56558-16-8	LCSD	104-PeCB	1000		953	95.3	50-150	5.83	0-20
32598-14-4	LCSD	105-PeCB	1000		847	84.7	50-150	8.71	0-20
74472-37-0	LCSD	114-PeCB	1000		985	98.5	50-150	5.75	0-20
31508-00-6	LCSD	118-PeCB	1000		1010	101	50-150	9.72	0-20
65510-44-3	LCSD	123-PeCB	1000		818	81.8	50-150	12.3	0-20
57465-28-8	LCSD	126-PeCB	1000		947	94.7	50-150	4.74	0-20
33979-03-2	LCSD	155-HxCB	1000		941	94.1	50-150	6.09	0-20
38380-08-4	LCSD	156-HxCB	2000	C	1830	91.4	50-150	7.91	0-20
69782-90-7	LCSD	157-HxCB		C156					
52663-72-6	LCSD	167-HxCB	1000		933	93.3	50-150	7.24	0-20
32774-16-6	LCSD	169-HxCB	1000		907	90.7	50-150	6.37	0-20
74487-85-7	LCSD	188-HpCB	1000		909	90.9	50-150	9.26	0-20
39635-31-9	LCSD	189-HpCB	1000		895	89.5	50-150	12.1	0-20
2136-99-4	LCSD	202-OcCB	1500		1510	100	50-150	7.05	0-20
74472-53-0	LCSD	205-OcCB	1500		1340	89.4	50-150	7.52	0-20
40186-72-9	LCSD	206-NoCB	1500		1420	94.8	50-150	4.66	0-20
52663-77-1	LCSD	208-NoCB	1500		1530	102	50-150	4.20	0-20
2051-24-3	LCSD	209-DeCB	1500		1330	88.7	50-150	7.30	0-20

Method Blank Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Matrix:**	**WATER**
Client ID:	**MB for batch 51321**	**Instrument ID:**	**HRP875**	**Data File:**	**d08nov22a_5-3**
Lab Sample ID:	**12033076**	**Prep Date:**	**02-NOV-22**	**Analyzed:**	**11/10/22 14:33**
Column:					

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 51321	12033077	d08nov22a_5-1	11/10/22	1214
02	LCSD for batch 51321	12033078	d08nov22a_5-2	11/10/22	1323
03	2210315-001J R6 North-20221005	20534001	d08nov22a_7-9	11/11/22	2111
04	2210315-002J R6 South-20221006	20534002	d08nov22a_7-10	11/11/22	2221

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB	U	ND	pg/L	4.24	100
2051-61-8	2-MoCB	U	ND	pg/L	4.84	100
2051-62-9	3-MoCB	U	ND	pg/L	3.80	100
13029-08-8	4-DiCB	U	ND	pg/L	11.4	100
16605-91-7	5-DiCB	U	ND	pg/L	9.04	100
25569-80-6	6-DiCB	U	ND	pg/L	7.52	100
33284-50-3	7-DiCB	U	ND	pg/L	7.66	100
34883-43-7	8-DiCB	U	ND	pg/L	6.54	100
34883-39-1	9-DiCB	U	ND	pg/L	8.86	100
33146-45-1	10-DiCB	U	ND	pg/L	6.40	100
2050-67-1	11-DiCB	U	ND	pg/L	58.1	100
2974-92-7	12-DiCB	CU	ND	pg/L	7.68	200
2974-90-5	13-DiCB	C12				
34883-41-5	14-DiCB	U	ND	pg/L	7.86	100
2050-68-2	15-DiCB	U	ND	pg/L	6.96	100
38444-78-9	16-TrCB	U	ND	pg/L	5.24	100
37680-66-3	17-TrCB	U	ND	pg/L	5.26	100
37680-65-2	18-TrCB	CU	ND	pg/L	4.46	200
38444-73-4	19-TrCB	U	ND	pg/L	5.52	100
38444-84-7	20-TrCB	CJ	5.80	pg/L	3.66	200
55702-46-0	21-TrCB	CU	ND	pg/L	3.52	200
38444-85-8	22-TrCB	U	ND	pg/L	3.82	100
55720-44-0	23-TrCB	U	ND	pg/L	3.82	100
55702-45-9	24-TrCB	U	ND	pg/L	4.22	100
55712-37-3	25-TrCB	U	ND	pg/L	3.36	100
38444-81-4	26-TrCB	CU	ND	pg/L	3.82	200
38444-76-7	27-TrCB	U	ND	pg/L	4.04	100
7012-37-5	28-TrCB	C20				
15862-07-4	29-TrCB	C26				
35693-92-6	30-TrCB	C18				
16606-02-3	31-TrCB	U	ND	pg/L	3.52	100
38444-77-8	32-TrCB	U	ND	pg/L	3.68	100

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

J Value is estimated

U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
38444-86-9	33-TrCB	C21				
37680-68-5	34-TrCB	U	ND	pg/L	4.14	100
37680-69-6	35-TrCB	U	ND	pg/L	5.24	100
38444-87-0	36-TrCB	U	ND	pg/L	4.62	100
38444-90-5	37-TrCB	U	ND	pg/L	4.66	100
53555-66-1	38-TrCB	U	ND	pg/L	5.26	100
38444-88-1	39-TrCB	U	ND	pg/L	5.12	100
38444-93-8	40-TeCB	CU	ND	pg/L	4.88	200
52663-59-9	41-TeCB	U	ND	pg/L	6.64	100
36559-22-5	42-TeCB	U	ND	pg/L	5.40	100
70362-46-8	43-TeCB	U	ND	pg/L	6.46	100
41464-39-5	44-TeCB	CU	ND	pg/L	6.04	300
70362-45-7	45-TeCB	CU	ND	pg/L	3.42	200
41464-47-5	46-TeCB	U	ND	pg/L	3.54	100
2437-79-8	47-TeCB	C44				
70362-47-9	48-TeCB	U	ND	pg/L	5.38	100
41464-40-8	49-TeCB	CU	ND	pg/L	4.44	200
62796-65-0	50-TeCB	CU	ND	pg/L	3.34	200
68194-04-7	51-TeCB	C45				
35693-99-3	52-TeCB	J	8.28	pg/L	5.84	200
41464-41-9	53-TeCB	C50				
15968-05-5	54-TeCB	U	ND	pg/L	2.26	100
74338-24-2	55-TeCB	U	ND	pg/L	4.76	100
41464-43-1	56-TeCB	U	ND	pg/L	4.80	100
70424-67-8	57-TeCB	U	ND	pg/L	4.56	100
41464-49-7	58-TeCB	U	ND	pg/L	4.72	100
74472-33-6	59-TeCB	CU	ND	pg/L	4.12	300
33025-41-1	60-TeCB	U	ND	pg/L	4.66	100
33284-53-6	61-TeCB	CJ	7.58	pg/L	4.50	400
54230-22-7	62-TeCB	C59				
74472-34-7	63-TeCB	U	ND	pg/L	4.44	100
52663-58-8	64-TeCB	U	ND	pg/L	3.86	100

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

J Value is estimated

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
33284-54-7	65-TeCB	C44				
32598-10-0	66-TeCB	U	ND	pg/L	4.66	100
73575-53-8	67-TeCB	U	ND	pg/L	3.66	100
73575-52-7	68-TeCB	U	ND	pg/L	4.02	100
60233-24-1	69-TeCB	C49				
32598-11-1	70-TeCB	C61				
41464-46-4	71-TeCB	C40				
41464-42-0	72-TeCB	U	ND	pg/L	4.34	100
74338-23-1	73-TeCB	U	ND	pg/L	3.84	100
32690-93-0	74-TeCB	C61				
32598-12-2	75-TeCB	C59				
70362-48-0	76-TeCB	C61				
32598-13-3	77-TeCB	U	ND	pg/L	4.76	100
70362-49-1	78-TeCB	U	ND	pg/L	5.30	100
41464-48-6	79-TeCB	U	ND	pg/L	4.20	100
33284-52-5	80-TeCB	U	ND	pg/L	4.04	100
70362-50-4	81-TeCB	U	ND	pg/L	4.04	100
52663-62-4	82-PeCB	U	ND	pg/L	6.86	100
60145-20-2	83-PeCB	U	ND	pg/L	7.94	100
52663-60-2	84-PeCB	U	ND	pg/L	5.86	100
65510-45-4	85-PeCB	CU	ND	pg/L	4.86	300
55312-69-1	86-PeCB	CJ	6.84	pg/L	4.90	600
38380-02-8	87-PeCB	C86				
55215-17-3	88-PeCB	CU	ND	pg/L	5.84	200
73575-57-2	89-PeCB	U	ND	pg/L	6.96	100
68194-07-0	90-PeCB	CU	ND	pg/L	7.70	300
68194-05-8	91-PeCB	C88				
52663-61-3	92-PeCB	U	ND	pg/L	6.42	100
73575-56-1	93-PeCB	CU	ND	pg/L	5.26	200
73575-55-0	94-PeCB	U	ND	pg/L	5.60	100
38379-99-6	95-PeCB	U	ND	pg/L	6.24	100
73575-54-9	96-PeCB	U	ND	pg/L	3.24	100

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

J Value is estimated

U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
41464-51-1	97-PeCB	C86				
60233-25-2	98-PeCB	CU	ND	pg/L	5.32	200
38380-01-7	99-PeCB	U	ND	pg/L	5.34	100
39485-83-1	100-PeCB	C93				
37680-73-2	101-PeCB	C90				
68194-06-9	102-PeCB	C98				
60145-21-3	103-PeCB	U	ND	pg/L	5.42	100
56558-16-8	104-PeCB	U	ND	pg/L	2.42	100
32598-14-4	105-PeCB	U	ND	pg/L	4.16	100
70424-69-0	106-PeCB	U	ND	pg/L	4.48	100
70424-68-9	107-PeCB	U	ND	pg/L	3.60	100
70362-41-3	108-PeCB	CU	ND	pg/L	4.32	200
74472-35-8	109-PeCB	C86				
38380-03-9	110-PeCB	CU	ND	pg/L	6.76	200
39635-32-0	111-PeCB	U	ND	pg/L	4.16	100
74472-36-9	112-PeCB	U	ND	pg/L	3.94	100
68194-10-5	113-PeCB	C90				
74472-37-0	114-PeCB	U	ND	pg/L	3.92	100
74472-38-1	115-PeCB	C110				
18259-05-7	116-PeCB	C85				
68194-11-6	117-PeCB	C85				
31508-00-6	118-PeCB	J	5.50	pg/L	4.02	100
56558-17-9	119-PeCB	C86				
68194-12-7	120-PeCB	U	ND	pg/L	4.38	100
56558-18-0	121-PeCB	U	ND	pg/L	4.12	100
76842-07-4	122-PeCB	U	ND	pg/L	5.68	100
65510-44-3	123-PeCB	U	ND	pg/L	3.70	100
70424-70-3	124-PeCB	C108				
74472-39-2	125-PeCB	C86				
57465-28-8	126-PeCB	U	ND	pg/L	4.76	100
39635-33-1	127-PeCB	U	ND	pg/L	4.44	100
38380-07-3	128-HxCB	CU	ND	pg/L	5.02	200

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

J Value is estimated

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PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
55215-18-4	129-HxCB	CU	ND	pg/L	6.82	300
52663-66-8	130-HxCB	U	ND	pg/L	6.36	100
61798-70-7	131-HxCB	U	ND	pg/L	6.48	100
38380-05-1	132-HxCB	U	ND	pg/L	5.90	100
35694-04-3	133-HxCB	U	ND	pg/L	6.18	100
52704-70-8	134-HxCB	U	ND	pg/L	6.48	100
52744-13-5	135-HxCB	CU	ND	pg/L	4.58	200
38411-22-2	136-HxCB	U	ND	pg/L	3.48	100
35694-06-5	137-HxCB	U	ND	pg/L	5.58	100
35065-28-2	138-HxCB	C129				
56030-56-9	139-HxCB	CU	ND	pg/L	5.20	200
59291-64-4	140-HxCB	C139				
52712-04-6	141-HxCB	U	ND	pg/L	5.24	100
41411-61-4	142-HxCB	U	ND	pg/L	6.30	100
68194-15-0	143-HxCB	U	ND	pg/L	5.98	100
68194-14-9	144-HxCB	U	ND	pg/L	4.50	100
74472-40-5	145-HxCB	U	ND	pg/L	3.30	100
51908-16-8	146-HxCB	U	ND	pg/L	5.00	100
68194-13-8	147-HxCB	CU	ND	pg/L	5.08	200
74472-41-6	148-HxCB	U	ND	pg/L	4.38	100
38380-04-0	149-HxCB	C147				
68194-08-1	150-HxCB	U	ND	pg/L	3.16	100
52663-63-5	151-HxCB	C135				
68194-09-2	152-HxCB	U	ND	pg/L	3.38	100
35065-27-1	153-HxCB	CJ	4.94	pg/L	4.58	200
60145-22-4	154-HxCB	U	ND	pg/L	3.64	100
33979-03-2	155-HxCB	U	ND	pg/L	2.48	100
38380-08-4	156-HxCB	CU	ND	pg/L	4.10	200
69782-90-7	157-HxCB	C156				
74472-42-7	158-HxCB	U	ND	pg/L	3.68	100
39635-35-3	159-HxCB	U	ND	pg/L	3.54	100
41411-62-5	160-HxCB	U	ND	pg/L	4.46	100

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

J Value is estimated

U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
74472-43-8	161-HxCB	U	ND	pg/L	4.34	100
39635-34-2	162-HxCB	U	ND	pg/L	3.46	100
74472-44-9	163-HxCB	C129				
74472-45-0	164-HxCB	U	ND	pg/L	4.12	100
74472-46-1	165-HxCB	U	ND	pg/L	4.58	100
41411-63-6	166-HxCB	C128				
52663-72-6	167-HxCB	U	ND	pg/L	3.06	100
59291-65-5	168-HxCB	C153				
32774-16-6	169-HxCB	U	ND	pg/L	3.52	100
35065-30-6	170-HpCB	U	ND	pg/L	4.72	100
52663-71-5	171-HpCB	CU	ND	pg/L	4.98	200
52663-74-8	172-HpCB	U	ND	pg/L	4.90	100
68194-16-1	173-HpCB	C171				
38411-25-5	174-HpCB	U	ND	pg/L	4.64	100
40186-70-7	175-HpCB	U	ND	pg/L	4.20	100
52663-65-7	176-HpCB	U	ND	pg/L	3.24	100
52663-70-4	177-HpCB	U	ND	pg/L	5.02	100
52663-67-9	178-HpCB	U	ND	pg/L	4.46	100
52663-64-6	179-HpCB	U	ND	pg/L	3.16	100
35065-29-3	180-HpCB	CU	ND	pg/L	3.88	200
74472-47-2	181-HpCB	U	ND	pg/L	4.80	100
60145-23-5	182-HpCB	U	ND	pg/L	4.04	100
52663-69-1	183-HpCB	CU	ND	pg/L	4.64	200
74472-48-3	184-HpCB	U	ND	pg/L	3.10	100
52712-05-7	185-HpCB	C183				
74472-49-4	186-HpCB	U	ND	pg/L	3.22	100
52663-68-0	187-HpCB	U	ND	pg/L	4.08	100
74487-85-7	188-HpCB	U	ND	pg/L	2.70	100
39635-31-9	189-HpCB	U	ND	pg/L	4.02	100
41411-64-7	190-HpCB	U	ND	pg/L	3.48	100
74472-50-7	191-HpCB	U	ND	pg/L	3.44	100
74472-51-8	192-HpCB	U	ND	pg/L	4.00	100

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

J Value is estimated

U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
69782-91-8	193-HpCB	C180				
35694-08-7	194-OcCB	U	ND	pg/L	3.80	100
52663-78-2	195-OcCB	U	ND	pg/L	4.02	100
42740-50-1	196-OcCB	U	ND	pg/L	3.70	100
33091-17-7	197-OcCB	CU	ND	pg/L	2.94	200
68194-17-2	198-OcCB	CU	ND	pg/L	3.84	200
52663-75-9	199-OcCB	C198				
52663-73-7	200-OcCB	C197				
40186-71-8	201-OcCB	U	ND	pg/L	2.74	100
2136-99-4	202-OcCB	U	ND	pg/L	2.74	100
52663-76-0	203-OcCB	U	ND	pg/L	3.66	100
74472-52-9	204-OcCB	U	ND	pg/L	2.82	100
74472-53-0	205-OcCB	U	ND	pg/L	3.00	100
40186-72-9	206-NoCB	U	ND	pg/L	5.48	100
52663-79-3	207-NoCB	U	ND	pg/L	4.04	100
52663-77-1	208-NoCB	U	ND	pg/L	3.76	100
2051-24-3	209-DeCB	U	ND	pg/L	4.54	100
1336-36-3	Total PCB Congeners	J	38.9	pg/L		100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		666	2000	pg/L	33.3	(15%-150%)
13C-3-MoCB		760	2000	pg/L	38.0	(15%-150%)
13C-4-DiCB		761	2000	pg/L	38.1	(25%-150%)
13C-15-DiCB		1010	2000	pg/L	50.4	(25%-150%)
13C-19-TrCB		915	2000	pg/L	45.8	(25%-150%)
13C-37-TrCB		963	2000	pg/L	48.2	(25%-150%)
13C-54-TeCB		872	2000	pg/L	43.6	(25%-150%)
13C-77-TeCB		1120	2000	pg/L	56.2	(25%-150%)
13C-81-TeCB		1200	2000	pg/L	60.0	(25%-150%)
13C-104-PeCB		932	2000	pg/L	46.6	(25%-150%)
13C-105-PeCB		971	2000	pg/L	48.6	(25%-150%)
13C-114-PeCB		964	2000	pg/L	48.2	(25%-150%)
13C-118-PeCB		882	2000	pg/L	44.1	(25%-150%)
13C-123-PeCB		1010	2000	pg/L	50.5	(25%-150%)
13C-126-PeCB		1010	2000	pg/L	50.6	(25%-150%)
13C-155-HxCB		996	2000	pg/L	49.8	(25%-150%)
13C-156-HxCB	C	2250	4000	pg/L	56.2	(25%-150%)
13C-157-HxCB	C156L					
13C-167-HxCB		1110	2000	pg/L	55.7	(25%-150%)
13C-169-HxCB		1140	2000	pg/L	57.1	(25%-150%)
13C-188-HpCB		989	2000	pg/L	49.5	(25%-150%)
13C-189-HpCB		1030	2000	pg/L	51.5	(25%-150%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033076**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**MB for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 14:33**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-3**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-202-OcCB		1040	2000	pg/L	51.8	(25%-150%)
13C-205-OcCB		1170	2000	pg/L	58.6	(25%-150%)
13C-206-NoCB		1150	2000	pg/L	57.5	(25%-150%)
13C-208-NoCB		1030	2000	pg/L	51.4	(25%-150%)
13C-209-DeCB		1150	2000	pg/L	57.7	(25%-150%)
13C-28-TrCB		1040	2000	pg/L	51.9	(30%-135%)
13C-111-PeCB		1100	2000	pg/L	55.2	(30%-135%)
13C-178-HpCB		1240	2000	pg/L	62.0	(30%-135%)

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

J Value is estimated

U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033077**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**LCS for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 12:14**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-1**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB		490	pg/L	5.90	100
2051-62-9	3-MoCB		498	pg/L	5.40	100
13029-08-8	4-DiCB		462	pg/L	9.84	100
2050-68-2	15-DiCB		513	pg/L	8.46	100
38444-73-4	19-TrCB		513	pg/L	7.04	100
38444-90-5	37-TrCB		483	pg/L	12.0	100
15968-05-5	54-TeCB		1020	pg/L	3.78	100
32598-13-3	77-TeCB		977	pg/L	16.2	100
70362-50-4	81-TeCB		826	pg/L	15.1	100
56558-16-8	104-PeCB		1010	pg/L	2.54	100
32598-14-4	105-PeCB		924	pg/L	19.9	100
74472-37-0	114-PeCB		1040	pg/L	18.6	100
31508-00-6	118-PeCB		1110	pg/L	18.9	100
65510-44-3	123-PeCB		926	pg/L	17.8	100
57465-28-8	126-PeCB		993	pg/L	20.4	100
33979-03-2	155-HxCB		1000	pg/L	2.64	100
38380-08-4	156-HxCB	C	1980	pg/L	17.4	200
69782-90-7	157-HxCB	C156				
52663-72-6	167-HxCB		1000	pg/L	12.8	100
32774-16-6	169-HxCB		967	pg/L	14.7	100
74487-85-7	188-HpCB		997	pg/L	3.20	100
39635-31-9	189-HpCB		1010	pg/L	8.64	100
2136-99-4	202-OcCB		1620	pg/L	22.6	100
74472-53-0	205-OcCB		1450	pg/L	9.54	100
40186-72-9	206-NoCB		1490	pg/L	7.36	100
52663-77-1	208-NoCB		1590	pg/L	5.44	100
2051-24-3	209-DeCB		1430	pg/L	4.50	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		757	2000	pg/L	37.9	(15%-140%)
13C-3-MoCB		876	2000	pg/L	43.8	(15%-140%)
13C-4-DiCB		865	2000	pg/L	43.3	(30%-140%)
13C-15-DiCB		1300	2000	pg/L	65.1	(30%-140%)
13C-19-TrCB		1070	2000	pg/L	53.6	(30%-140%)
13C-37-TrCB		1220	2000	pg/L	61.0	(30%-140%)
13C-54-TeCB		1030	2000	pg/L	51.6	(30%-140%)
13C-77-TeCB		1290	2000	pg/L	64.6	(30%-140%)
13C-81-TeCB		1340	2000	pg/L	66.8	(30%-140%)
13C-104-PeCB		1200	2000	pg/L	60.0	(30%-140%)
13C-105-PeCB		1150	2000	pg/L	57.4	(30%-140%)
13C-114-PeCB		1140	2000	pg/L	56.9	(30%-140%)
13C-118-PeCB		1010	2000	pg/L	50.5	(30%-140%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033077**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**LCS for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 12:14**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-1**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-123-PeCB		1160	2000	pg/L	58.0	(30%-140%)
13C-126-PeCB		1310	2000	pg/L	65.6	(30%-140%)
13C-155-HxCB		1150	2000	pg/L	57.6	(30%-140%)
13C-156-HxCB	C	2610	4000	pg/L	65.3	(30%-140%)
13C-157-HxCB	C156L					
13C-167-HxCB		1310	2000	pg/L	65.4	(30%-140%)
13C-169-HxCB		1360	2000	pg/L	67.8	(30%-140%)
13C-188-HpCB		1130	2000	pg/L	56.5	(30%-140%)
13C-189-HpCB		1170	2000	pg/L	58.4	(30%-140%)
13C-202-OcCB		1220	2000	pg/L	61.1	(30%-140%)
13C-205-OcCB		1410	2000	pg/L	70.3	(30%-140%)
13C-206-NoCB		1380	2000	pg/L	69.1	(30%-140%)
13C-208-NoCB		1150	2000	pg/L	57.7	(30%-140%)
13C-209-DeCB		1370	2000	pg/L	68.4	(30%-140%)
13C-28-TrCB		1220	2000	pg/L	61.0	(40%-125%)
13C-111-PeCB		1280	2000	pg/L	64.1	(40%-125%)
13C-178-HpCB		1460	2000	pg/L	73.2	(40%-125%)

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for, but not detected above the specified detection limit.

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033078**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**LCSD for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 13:23**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-2**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
2051-60-7	1-MoCB		443	pg/L	6.46	100
2051-62-9	3-MoCB		480	pg/L	7.18	100
13029-08-8	4-DiCB		425	pg/L	11.5	100
2050-68-2	15-DiCB		471	pg/L	12.7	100
38444-73-4	19-TrCB		473	pg/L	9.06	100
38444-90-5	37-TrCB		456	pg/L	16.4	100
15968-05-5	54-TeCB		988	pg/L	4.04	100
32598-13-3	77-TeCB		901	pg/L	27.0	100
70362-50-4	81-TeCB		769	pg/L	25.2	100
56558-16-8	104-PeCB		953	pg/L	3.18	100
32598-14-4	105-PeCB		847	pg/L	23.4	100
74472-37-0	114-PeCB		985	pg/L	20.8	100
31508-00-6	118-PeCB		1010	pg/L	23.3	100
65510-44-3	123-PeCB		818	pg/L	19.9	100
57465-28-8	126-PeCB		947	pg/L	26.0	100
33979-03-2	155-HxCB		941	pg/L	9.38	100
38380-08-4	156-HxCB	C	1830	pg/L	21.8	200
69782-90-7	157-HxCB	C156				
52663-72-6	167-HxCB		933	pg/L	16.1	100
32774-16-6	169-HxCB		907	pg/L	18.4	100
74487-85-7	188-HpCB		909	pg/L	3.64	100
39635-31-9	189-HpCB		895	pg/L	8.12	100
2136-99-4	202-OcCB		1510	pg/L	25.5	100
74472-53-0	205-OcCB		1340	pg/L	7.66	100
40186-72-9	206-NoCB		1420	pg/L	9.36	100
52663-77-1	208-NoCB		1530	pg/L	6.86	100
2051-24-3	209-DeCB		1330	pg/L	5.86	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1-MoCB		544	2000	pg/L	27.2	(15%-140%)
13C-3-MoCB		636	2000	pg/L	31.8	(15%-140%)
13C-4-DiCB		656	2000	pg/L	32.8	(30%-140%)
13C-15-DiCB		895	2000	pg/L	44.8	(30%-140%)
13C-19-TrCB		838	2000	pg/L	41.9	(30%-140%)
13C-37-TrCB		753	2000	pg/L	37.6	(30%-140%)
13C-54-TeCB		750	2000	pg/L	37.5	(30%-140%)
13C-77-TeCB		827	2000	pg/L	41.3	(30%-140%)
13C-81-TeCB		874	2000	pg/L	43.7	(30%-140%)
13C-104-PeCB		884	2000	pg/L	44.2	(30%-140%)
13C-105-PeCB		864	2000	pg/L	43.2	(30%-140%)
13C-114-PeCB		843	2000	pg/L	42.1	(30%-140%)
13C-118-PeCB		764	2000	pg/L	38.2	(30%-140%)

PCB Congeners
Certificate of Analysis
Sample Summary

SDG Number:	**2210315**	**Client:**	**HALL001**	**Project:**	**HALL00113**
Lab Sample ID:	**12033078**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 51321**				
Client ID:	**LCSD for batch 51321**			**Prep Basis:**	**As Received**
Batch ID:	**51323**	**Method:**	**EPA Method 1668A**		
Run Date:	**11/10/2022 13:23**	**Analyst:**	**MLL**	**Instrument:**	**HRP875**
Data File:	**d08nov22a_5-2**			**Dilution:**	**1**
Prep Batch:	**51321**	**Prep Method:**	**SW846 3520C**	**Prep SOP Ref:**	**CF-OA-E-001**
Prep Date:	**02-NOV-22**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-123-PeCB		880	2000	pg/L	44.0	(30%-140%)
13C-126-PeCB		857	2000	pg/L	42.9	(30%-140%)
13C-155-HxCB		763	2000	pg/L	38.2	(30%-140%)
13C-156-HxCB	C	1650	4000	pg/L	41.2	(30%-140%)
13C-157-HxCB	C156L					
13C-167-HxCB		837	2000	pg/L	41.8	(30%-140%)
13C-169-HxCB		835	2000	pg/L	41.8	(30%-140%)
13C-188-HpCB		795	2000	pg/L	39.7	(30%-140%)
13C-189-HpCB		817	2000	pg/L	40.8	(30%-140%)
13C-202-OcCB		781	2000	pg/L	39.0	(30%-140%)
13C-205-OcCB		953	2000	pg/L	47.6	(30%-140%)
13C-206-NoCB		929	2000	pg/L	46.5	(30%-140%)
13C-208-NoCB		811	2000	pg/L	40.6	(30%-140%)
13C-209-DeCB		920	2000	pg/L	46.0	(30%-140%)
13C-28-TrCB		1100	2000	pg/L	54.9	(40%-125%)
13C-111-PeCB		1220	2000	pg/L	61.1	(40%-125%)
13C-178-HpCB		1270	2000	pg/L	63.3	(40%-125%)

Comments:

C Congener has coeluters. When Cxxx, refer to congener number xxx for data

U Analyte was analyzed for, but not detected above the specified detection limit.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-70825**	SampType: **MBLK**	TestCode: **EPA Method 1664B**
Client ID: **PBW**	Batch ID: **70825**	RunNo: **91919**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3297147** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	10.0								

Sample ID: **LCS-70825**	SampType: **LCS**	TestCode: **EPA Method 1664B**
Client ID: **LCSW**	Batch ID: **70825**	RunNo: **91919**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3297148** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	37.8	10.0	40.00	0	94.5	78	114			

Sample ID: **LCSD-70825**	SampType: **LCSD**	TestCode: **EPA Method 1664B**
Client ID: **LCSS02**	Batch ID: **70825**	RunNo: **91919**
Prep Date: **10/14/2022**	Analysis Date: **10/18/2022**	SeqNo: **3297149** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	37.4	10.0	40.00	0	93.5	78	114	1.06	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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-70811**	SampType: **MBLK**	TestCode: **EPA Method 200.7: Metals**
Client ID: **PBW**	Batch ID: **70811**	RunNo: **91819**
Prep Date: **10/13/2022**	Analysis Date: **10/14/2022**	SeqNo: **3291906** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0								
Magnesium	ND	1.0								

Sample ID: **LCSLL-70811**	SampType: **LCSLL**	TestCode: **EPA Method 200.7: Metals**
Client ID: **BatchQC**	Batch ID: **70811**	RunNo: **91819**
Prep Date: **10/13/2022**	Analysis Date: **10/14/2022**	SeqNo: **3291907** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	ND	1.0	0.5000	0	103	50	150			
Magnesium	ND	1.0	0.5000	0	104	50	150			

Sample ID: **LCS-70811**	SampType: **LCS**	TestCode: **EPA Method 200.7: Metals**
Client ID: **LCSW**	Batch ID: **70811**	RunNo: **91819**
Prep Date: **10/13/2022**	Analysis Date: **10/14/2022**	SeqNo: **3291908** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	51	1.0	50.00	0	102	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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **PBW**	Batch ID: **A91883**	RunNo: **91883**
Prep Date:	Analysis Date: **10/18/2022**	SeqNo: **3295065** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	ND	0.0010								
Lead	ND	0.00050								

Sample ID: **LCSLL**	SampType: **LCSLL**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **BatchQC**	Batch ID: **A91883**	RunNo: **91883**
Prep Date:	Analysis Date: **10/18/2022**	SeqNo: **3295066** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.0010	0.0010	0.001000	0	101	50	150			
Lead	0.00052	0.00050	0.0005000	0	105	50	150			

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **LCSW**	Batch ID: **A91883**	RunNo: **91883**
Prep Date:	Analysis Date: **10/18/2022**	SeqNo: **3295067** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.025	0.0010	0.02500	0	98.9	85	115			
Lead	0.012	0.00050	0.01250	0	97.4	85	115			

Sample ID: **2210315-002NMSLL**	SampType: **MS**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **R6 South-20221006**	Batch ID: **A91883**	RunNo: **91883**
Prep Date:	Analysis Date: **10/18/2022**	SeqNo: **3295096** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.026	0.0010	0.02500	0.0007151	102	70	130			
Lead	0.013	0.00050	0.01250	0.00007696	107	70	130			

Sample ID: **2210315-002NMSDL**	SampType: **MSD**	TestCode: **EPA 200.8: Dissolved Metals**
Client ID: **R6 South-20221006**	Batch ID: **A91883**	RunNo: **91883**
Prep Date:	Analysis Date: **10/18/2022**	SeqNo: **3295097** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Copper	0.026	0.0010	0.02500	0.0007151	101	70	130	0.371	20	
Lead	0.013	0.00050	0.01250	0.00007696	105	70	130	1.82	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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBW**	Batch ID: **A91618**	RunNo: **91618**
Prep Date:	Analysis Date: **10/6/2022**	SeqNo: **3282485** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								

Sample ID: **LCS**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSW**	Batch ID: **A91618**	RunNo: **91618**
Prep Date:	Analysis Date: **10/6/2022**	SeqNo: **3282486** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	0.94	0.10	1.000	0	93.8	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	98.8	90	110			

Sample ID: **2210315-001EMS**	SampType: **MS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **R6 North-20221005**	Batch ID: **A91618**	RunNo: **91618**
Prep Date:	Analysis Date: **10/7/2022**	SeqNo: **3282497** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	4.7	0.50	5.000	0	94.4	83.4	110			
Nitrogen, Nitrate (As N)	13	0.50	12.50	0.1075	99.8	89.5	113			

Sample ID: **2210315-001EMSD**	SampType: **MSD**	TestCode: **EPA Method 300.0: Anions**
Client ID: **R6 North-20221005**	Batch ID: **A91618**	RunNo: **91618**
Prep Date:	Analysis Date: **10/7/2022**	SeqNo: **3282498** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	4.7	0.50	5.000	0	93.8	83.4	110	0.691	20	
Nitrogen, Nitrate (As N)	12	0.50	12.50	0.1075	98.8	89.5	113	0.995	20	

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-70767**	SampType: **MBLK**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **PBW**	Batch ID: **70767**	RunNo: **91851**
Prep Date: **10/12/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294644** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	ND	0.10								
Surr: Decachlorobiphenyl	2.5		2.500		101	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		79.4	15	107			

Sample ID: **MB-70767**	SampType: **MBLK**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **PBW**	Batch ID: **70767**	RunNo: **91851**
Prep Date: **10/12/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294646** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	ND	0.10								
Surr: Decachlorobiphenyl	2.5		2.500		102	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		80.9	15	107			

Sample ID: **LCS-70767**	SampType: **LCS**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSW**	Batch ID: **70767**	RunNo: **91851**
Prep Date: **10/12/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294647** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.43	0.10	0.5000	0	86.2	56.3	121			
Surr: Decachlorobiphenyl	2.4		2.500		95.2	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		78.6	15	107			

Sample ID: **LCS-70767**	SampType: **LCS**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSW**	Batch ID: **70767**	RunNo: **91851**
Prep Date: **10/12/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294648** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.44	0.10	0.5000	0	87.9	56.3	121			
Surr: Decachlorobiphenyl	2.4		2.500		95.7	40.9	111			
Surr: Tetrachloro-m-xylene	2.0		2.500		79.7	15	107			

Sample ID: **LCSD-70767**	SampType: **LCSD**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSS02**	Batch ID: **70767**	RunNo: **91851**
Prep Date: **10/12/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294649** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.42	0.10	0.5000	0	84.6	56.3	121	1.91	20	
Surr: Decachlorobiphenyl	2.3		2.500		90.9	40.9	111	0	20	
Surr: Tetrachloro-m-xylene	1.8		2.500		73.5	15	107	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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **LCSD-70767**	SampType: **LCSD**	TestCode: **EPA Method 8081: PESTICIDES**
Client ID: **LCSS02**	Batch ID: **70767**	RunNo: **91851**
Prep Date: **10/12/2022**	Analysis Date: **10/17/2022**	SeqNo: **3294650** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dieldrin	0.43	0.10	0.5000	0	86.1	56.3	121	2.00	20	
Surr: Decachlorobiphenyl	2.3		2.500		91.5	40.9	111	0	20	
Surr: Tetrachloro-m-xylene	1.8		2.500		73.9	15	107	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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-70671**	SampType: **MBLK**	TestCode: **SM 9223B Fecal Indicator: E. coli MPN**
Client ID: **PBW**	Batch ID: **70671**	RunNo: **91638**
Prep Date: **10/6/2022**	Analysis Date: **10/7/2022**	SeqNo: **3283469** Units: **MPN/100mL**

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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB**	SampType: **MBLK**	TestCode: **SM 4500 NH3: Ammonia**
Client ID: **PBW**	Batch ID: **R91993**	RunNo: **91993**
Prep Date:	Analysis Date: **10/21/2022**	SeqNo: **3300449** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	ND	1.0								

Sample ID: **LCS**	SampType: **LCS**	TestCode: **SM 4500 NH3: Ammonia**
Client ID: **LCSW**	Batch ID: **R91993**	RunNo: **91993**
Prep Date:	Analysis Date: **10/21/2022**	SeqNo: **3300450** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Ammonia	9.8	1.0	10.00	0	98.0	80	120			

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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-71023**	SampType: **MBLK**	TestCode: **EPA Method 365.1: Total Phosphorous**
Client ID: **PBW**	Batch ID: **71023**	RunNo: **92060**
Prep Date: **10/24/2022**	Analysis Date: **10/25/2022**	SeqNo: **3303642** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus, Total (As P)	ND	0.050								

Sample ID: **LCS-71023**	SampType: **LCS**	TestCode: **EPA Method 365.1: Total Phosphorous**
Client ID: **LCSW**	Batch ID: **71023**	RunNo: **92060**
Prep Date: **10/24/2022**	Analysis Date: **10/25/2022**	SeqNo: **3303643** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phosphorus, Total (As P)	0.24	0.050	0.2500	0	96.9	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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-70696**	SampType: **MBLK**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **PBW**	Batch ID: **70696**	RunNo: **91714**
Prep Date: **10/10/2022**	Analysis Date: **10/12/2022**	SeqNo: **3286928** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: **LCS-70696**	SampType: **LCS**	TestCode: **SM2540C MOD: Total Dissolved Solids**
Client ID: **LCSW**	Batch ID: **70696**	RunNo: **91714**
Prep Date: **10/10/2022**	Analysis Date: **10/12/2022**	SeqNo: **3286929** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1050	20.0	1000	0	105	80	120			

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 Quanitative 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#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-70981**	SampType: **MBLK**	TestCode: **SM 4500 Norg C: TKN**
Client ID: **PBW**	Batch ID: **70981**	RunNo: **92019**
Prep Date: **10/21/2022**	Analysis Date: **10/24/2022**	SeqNo: **3301880** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID: **LCS-70981**	SampType: **LCS**	TestCode: **SM 4500 Norg C: TKN**
Client ID: **LCSW**	Batch ID: **70981**	RunNo: **92019**
Prep Date: **10/21/2022**	Analysis Date: **10/24/2022**	SeqNo: **3301881** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	1.0	10.00	0	101	80	120			

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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210315**

23-Nov-22

Client: AMAFCA

Project: CMC Wet FY23

Sample ID: **MB-70679**	SampType: **MBLK**	TestCode: **SM 2540D: TSS**
Client ID: **PBW**	Batch ID: **70679**	RunNo: **91686**
Prep Date: **10/7/2022**	Analysis Date: **10/10/2022**	SeqNo: **3285851** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids	ND	4.0								

Sample ID: **LCS-70679**	SampType: **LCS**	TestCode: **SM 2540D: TSS**
Client ID: **LCSW**	Batch ID: **70679**	RunNo: **91686**
Prep Date: **10/7/2022**	Analysis Date: **10/10/2022**	SeqNo: **3285852** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids	89	4.0	91.90	0	96.8	83.89	119.7			

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 Quanitative 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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: AMAFCA Work Order Number: 2210315 RcptNo: 1

Received By: **Joseph Alderette** 10/6/2022 10:25:00 AM

Completed By: **Sean Livingston** 10/6/2022 11:10:53 AM

Reviewed By: JO 10/6/22

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 ☑
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: KPG 10.6.22

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: NO BOD Bottles. NO E coli bottle for RG North. JO 10.7.22

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good				

note - BOD bottles not provided to lab for these samples. E. coli for Rio Grande North sample and results provided in previous lab report.

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 Wet FY23

Project #:

Project Manager: Patrick Chavez

Sampler: Chad Johannesen

On Ice: ☑ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 4.8 +0.1 = 4.9 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2210315
10/5/22	1215	AQ	R6North-20221005			001
10/6/22	0905	AQ	R6South-20221006			002
			see 10/6/22			

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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	See Attached Sheet	Ecoli-enumerated				
										X					
										X					
											X				

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/6/22	10:25	Sam Fire		CDO	10.6.22	10:25
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Second Cooler temp 13.3 +0.1 = 13.4°C 10-6-22

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Collaborative Monitoring Cooperative - Analyses List
Attach to Chain of Custody

Please refer to attached NPDES Permit No. NMR04A00 Appendix F. Methods and minimum quantification levels (MQL's) will be those approved under 40 CFR 136 and specified in the attached permit

Analyte (Bold Indicates WQS)	CAS #	Fraction	Method #	MDL (µg/L)
Hardness (Ca + Mg)	NA	Total	200.7	2.4
Lead	7439-92-1	Dissolved	200.8	0.09
Copper	7440-50-8	Dissolved	200.8	1.06
Ammonia + organic nitrogen	7664-41-7	Total	350.1	31.32
Total Kjehldal Nitrogen	17778-88-0	Total	351.2	58.78
Nitrate + Nitrite	14797-55-8	Total	353.2	10.17
Polychlorinated biphenyls (PCBs)	1336-36-3	Total	1668	0.014
Tetrahydrofuran (THF)	109-99-9	Total	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	0.2
Benzo(a)anthracene	56-55-3	Total	8270D	0.1
Dieldrin	60-57-1	Total	8081	0.2
Pentachlorophenol	87-86-5	Total	8270D	0.1
Benzidine	92-87-5	Total	8270D	5100
Chemical Oxygen Demand	E1641638[2]	Total	HACH	0.1 pCi/L
Gross alpha (adjusted)	NA	Total	Method 900	60.4
Total Dissolved Solids	E1642222[2]	Total	SM 2540C	3450
Total Suspended Solids	NA	Total	SM 2540D	930
Biological Oxygen Demand	N/A	Total	Standard Methods	5000
Oil and Grease		Total	1664A	
Ecoli-enumeration			SM 9223B	
pH			SM 4500	
Phosphorus		Dissolved	365.1	100
Phosphorus		Total	365.1	100
Chromium IV		Total	3500Cr C-2011	100

ATTACHMENT 2

FY 2023 WET SEASON COMPLETED DATA VERIFICATION AND VALIDATION (V&V) FORMS

Attachment 1.1 Water Quality Sample Data Verification and Validation Worksheet

Study Name: Compliance Monitoring Cooperative (CMC)
Year: FY 2023 (October 2022 – Wet Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Rio Grande North – 10/5/2022
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?
______	______	______	_________
______	______	______	_________

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 12/14/22

- -

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?
	11/30/22 emailed AMAFCA on missing parameter; BOD	BOD		

	bottle not submitted for sample.			
_____	_____	_____	_____	_____

*Note – HEAL Lab report order numbers 2210242 & 2210315.

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 12/14/22

- -

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:*** 12/14/22

- -

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	10/5/2022	Lab report lists Dissolved Phosphorous results as "Total Phosphorous" for "filtered sample".	BHI added note to the lab report.

Total number of occurrences: 1

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 12/14/22

- -

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:*** 12/14/22

- -

Step 6: Validate Holding Times Violations

Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*

______	______	______	______	______		_________

*See validation procedures to determine which associated data need to be flagged.
*Note – Lab reports lists pH with hold time flag. Database uses field data reported pH, so this is hold time is not applicable.
Total number of occurrences: 0

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 12/14/22

- -

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:*** SJG ***Date:*** 12/14/22

****

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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

[signature] 12/14/22

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 2023 (October 2022 – Wet Season Sample)
Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Alameda – 10/5/2022– E. coli Only Sample
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
_____	_____
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?
☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?
______	______	______	_________
______	______	______	_________

Total number of occurrences: 0

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 12/7/22

- -

Step 2: Verify Data Deliverables

A. Have all data in question been delivered? ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing data (samples or blanks) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken. Complete this step upon receipt of all missing data.

RID	Submittal Date	Missing Data/Parameters	Date of Initial Verification	Date Missing Data Were Received
______	______	______	______	______

Total number of occurrences: 0

B. Do all of the analytical suites have the correct number and type of analytes. ☒ Yes ☐ No

If yes, proceed; if no, indicate RIDs with missing or incorrect analyte(s) or attach report with applicable RIDs highlighted. Contact data source and indicate action taken.

RID	Submittal Date	Missing or Incorrect Parameters	Action Taken	Re-verified?
______	______	______	______	______

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 12/7/22

- -

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:*** 12/7/22

- -

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:*** 12/7/22

- -

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:*** 12/7/22

- -

Step 6: Validate Holding Times Violations
Were any samples submitted that did not meet specified holding times? ☐ Yes ☒ No

If no, proceed; if yes, list results that need to have validation codes applied in the database save these results as an excel file and forward to QA officer or Program Manager with a request to add appropriate validation codes to database. Complete this step after verifying that validation codes/flags have been added to database.

RID	Sample Date	Parameter	[Blank]	[Sample]	Validation Code/Flag Applied	Code/Flag verified in database to ALL associated data?*
______	______	______	______	______		_________

*See validation procedures to determine which associated data need to be flagged.
Total number of occurrences: 0

☒ **Step 6 Completed** ***Initials:*** SJG ***Date:*** 12/7/22

- -

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:*** SJG ***Date:*** 12/7/22

****

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

12/7/22

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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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 2023 (October 2022 – Wet Season Sample)Project Coordinator: For Data Review and Reporting – SJG, BHI
V&V Reviewer: SJG
Data covered by this worksheet: Rio Grande South – 10/6/2022
Version of Verification/Validation Procedures: QAPP –AMAFCA SOP #5 (7/2022)

Step 1: Verify Field Data

A. Are all Field Data forms present and complete? ☒ Yes ☐ No

If yes, proceed; if no, attempt to locate missing forms, then indicate any remaining missing forms and action taken.

Missing Field Data Forms	Action Taken
_____	_____
_____	_____

Total number of occurrences: 0

B. Are station name and ID, and sampling date and time on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station and Parameter	Action Taken	Re-verified?
_____	_____	_____
_____	_____	_____

Total number of occurrences: 0

C. Are field data on forms consistent with database? ☒ Yes ☐ No
If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify.

Station	Sampling Date	Parameter(s) Corrected	Re-verified?
_____	_____	_____	_____
_____	_____	_____	_____

Total number of occurrences: 0

D. Are RIDs correct and associated with the correct analytical suite, media subdivision (e.g. surface water, municipal waste, etc.) and activity type (e.g. Field observation, Routine sample, QA sample etc.)?

☒ Yes ☐ No

If yes, proceed; if no, indicate errors identified, correct errors in database and re-verify

Station/RID	Sampling Date	RID Corrected	Re-verified?
______	______	______	_________
______	______	______	_________

Total number of occurrences: **0**

☒ **Step 1 Completed** ***Initials:*** SJG ***Date:*** 12/14/22

- -

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?
	11/30/22 emailed AMAFCA on missing parameter; BOD bottle not	BOD		

	submitted for sample.			

*Note – HEAL Lab report order number 2210315.

☒ **Step 2 Completed** ***Initials:*** SJG ***Date:*** 12/14/22

- -

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:*** 12/14/22

- -

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	10/6/2022	Lab report lists Dissolved Phosphorous results as “Total Phosphorous” for “filtered sample”.	BHI added note to the lab report.

*Note – HEAL Lab report order number 2210315.

Total number of occurrences: 1

☒ **Step 4 Completed** ***Initials:*** SJG ***Date:*** 12/14/22

- -

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:*** 12/14/22

- -

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: <u>0</u>

☒ **Step 6 Completed** ***Initials:*** <u>SJG</u> ***Date:*** <u>12/14/22</u>

- -

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: <u>0</u>

☒ **Step 7 Completed** ***Initials:*** <u>SJG</u> ***Date:*** <u>12/14/22</u>

****

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12/14/22

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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
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F1	Sample filter time exceeded	
J1	Estimated: the analyte was positively identified and the associated value is an approximate concentration of the analyte in the sample	J
K1	Holding time violation	H
Ea	Estimated-Incubation temperature between 35.5 and 38.0° Celsius	
Er	Rejected-Incubation temperature < 34.5 or >38.0° Celsius	
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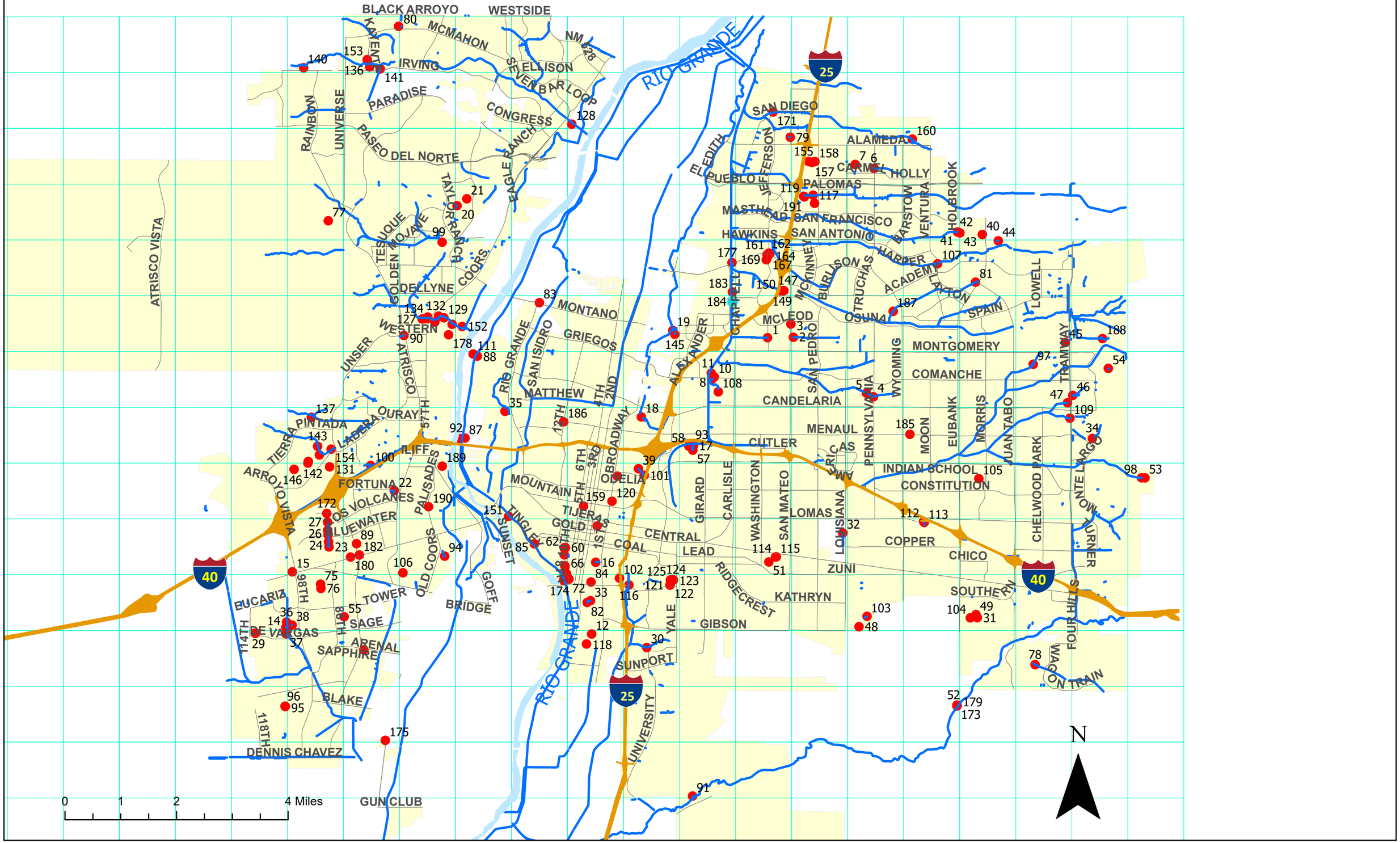
S1	Per SLD, uncertainties (sigmas) are expressed as one standard deviation, i.e. one standard error. Small negative or positive values that are less than two standard deviations should be interpreted as "less than the detection limit."	
S2	Data are suspect but deemed usable based on best professional 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

FY2023 Storm Water 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 QUINTESSENCE AND TOULON	trash rack
44	e21	SAN ANTONIO 0.2 M E EUBANK	SECURITY RACK

ID	MAP KEY	LOCATION	STRUCTURE NAME
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

ID	MAP KEY	LOCATION	STRUCTURE NAME
92	h12	Durance pump-discgarge pipe	Security Screen
93	h16	Princton 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 cezar 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 edwardo	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

ID	MAP KEY	LOCATION	STRUCTURE NAME
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

ID	MAP KEY	LOCATION	STRUCTURE NAME
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

Impervious Area Added

FY 2022

DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
A10D010	SAMS ACADEMY	06-Jan-23	CO-TEMP-30				
A10D010	SAMS ACADEMY	03-Apr-23	CO-PERM-R	2.58	Yes		
A12D031	10538 DOVER (REVISION#2)	27-Sep-22	CO-PERM	0.11	No		
A14D019	DUTCH BROTHERS COFFEE, 3615 HWY 528	01-Feb-23	CO-TEMP				
B10D003C3	VENTANA SQUARE SUBDIVISION	07-Sep-22	ROFG		No		
B10D003H	DIONS PASEO AND UNIVERSE	08-Nov-22	CO-TEMP				
B10D003H	DIONS PASEO AND UNIVERSE	09-Dec-22	CO-PERM	0.89	Yes		
B10D003J	CHAMPION XPRESS CAR WASH	12-May-23	CO/PERM	0.65	Yes		
B13D011E	9900 ACADEMY	13-Sep-22	CO-PERM	0.12	No		
B14D001B	ALAMEDA WEST POND	20-Sep-22	CO-PERM	0.51	Yes		
B14D001B	ALAMEDA WEST SHOPPING CENTER	23-Dec-22	CO-TEMP				
B18D027	AUTO NATION	12-Dec-22	CO-TEMP				
B18D027	AUTO NATION	09-Jan-23	CO-PERM	4.35	Yes		
C09D011	VALLE PRADO UNIT 5 LOTS 1-46	05-Oct-22	ROFG	5.50	Yes		
C09D013	CATALONIA UNIT 3A	30-Aug-22	ROFG	8.28	Yes		
C18D107	HORIZON GLASS	02-Aug-22	CO-TEMP				
C18D107	HORIZON GLASS	05-Aug-22	CO-PERM	0.33	Yes		
C19D011D6	TULAS -8100 WYOMING	27-Sep-22	CO-PERM	0.05	No	1,992.00	$372.00
C20D087	8920 EAGLE ROCK (REVISION)	20-Jun-23	CO-PERM	0.20	Yes		
D10D003B21	8005 CAMINO ALTO	22-Jul-22	CO-PERM	0.12	Yes		
D10D003B24	8012 CAMINO ALDERETTE	05-Jun-23	CO-PERM	0.11	Yes		
D10D003B27&28	6201 & 6205 PAPAGAYO (REVISION)	06-Sep-22	CO-PERM	0.12	Yes		
D10D003C10	6327 CAMINO ALTO RD NW	26-Oct-22	CO-PERM	0.10	Yes		
D10D003D16	6427 CANAVIO RD	29-Sep-22	CO-PERM				
D10D003D16	6427 CANAVIO RD	04-Oct-22	CO-PERM-R	0.12	Yes		
D10D003E11	6316 CANVIO	19-Jan-23	CO-PERM	0.11	Yes		
D10D003E8	6400 CANAVIO	07-Feb-23	CO-PERM	0.12	Yes		
D10D003F6	6412 PETIRROJO	20-Jul-22	CO-PERM	0.12	Yes		
D10D003H1	6555 AZOR DR	26-Jul-22	CO-PERM	0.11	Yes		
D10D003H10	6519 AZOR DR	25-May-23	CO-PERM	0.11	Yes		
D10D003H13	6509 AZOR	06-Jun-23	CO-PERM	0.12	Yes		
D10D003H20	7831 URRACA	21-Mar-23	CO-PERM	0.11	Yes		
D10D003H23	6508 PETIRROJO	21-Feb-23	CO-PERM	0.12	Yes		
D10D003I11	6524 PAPAGAYO	20-Sep-22	CO-PERM				
D10D003I11	6524 PAPAGAYO	03-Oct-22	CO-PERM-R	0.12	Yes		
D10D003I16	6520 CANAVIO	26-Oct-22	CO-PERM	0.11	Yes		
D10D003I2	6605 PETIRROJO	14-Dec-22	CO-PERM				
D10D003I2	6605 PETIRROJO	11-Jan-23	CO-PERM-R	0.11	Yes		
D10D003I22	6501 PICARDIA	29-Dec-22	CO-PERM				
D10D003I22	6501 PICARDIA	22-Feb-23	CO-PERM-R	0.12	Yes		
D10D003I25	6511 PICARDIA	16-Jun-23	CO-PERM	0.12	Yes		
D10D003J1	8000 COMPASS	04-Jul-22	CO-PERM	0.11	Yes		
D10D003J1	6620 PAPAGAYO	18-May-23	CO	0.12	Yes		
D10D003J10	6611 CUERVO PL	13-Dec-22	CO-PERM				

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DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
D10D003J10	6611 CUERVO PL	06-Jan-23	CO-PERM-R	0.12	Yes		
D10D003K15	6636 SUJETO ROAD NW (POOL ADDN)	23-Nov-22	CO-PERM				
D10D003K19	6620 SUJETO RD NW	12-Oct-22	CO-PERM-R	0.11	Yes		
D10D003L17	6527 PAPAGAYO	13-Jan-23	CO-PERM				
D10D003L17	6527 PAPAGAYO	22-Feb-23	CO-PERM-R	0.12	Yes		
D10D003L7	6508 PATO RD	25-Aug-22	CO-PERM	0.12	Yes		
D10D003M13	6524 KIMMICK	17-Feb-23	CO-PERM	0.11	Yes		
D10D003M24	6515 PATO RD	19-Sep-22	CO-PERM	0.12	Yes		
D10D003M38	6619 SUJETO	27-Sep-22	CO-PERM	0.11	Yes		
D10D003N1	8001 ALTO REY CT	09-Feb-23	CO-PERM	0.11	Yes		
D10D003N10	8008 ALTO REY CT	12-May-23	CO/PERM	0.12	Yes		
D10D003N11	8004 ALTO REY CT	14-Nov-22	CO-PERM	0.11	Yes		
D10D003N12	8000 ALTO REY CT	23-Jan-23	CO-PERM	0.12	Yes		
D10D003N13	8001 AGUA FRIA CT	19-Dec-22	CO-PERM	0.12	Yes		
D10D003N14	8005 AGUA FRIA CT	26-Jun-23	CO-PERM	0.13	Yes		
D10D003N15	8009 AGUA FRIA CT	12-May-23	CO/PERM	0.11	Yes		
D10D003N16	8011 AGUA FRIA CT	15-Jun-23	CO-PERM	0.11	Yes		
D10D003N17	8015 AGUA FRIA CT	18-May-23	CO-PERM	0.12	Yes		
D10D003N2	8005 ALTO REY CT	14-Nov-22	CO-PERM	0.12	Yes		
D10D003N21	8012 AGUA FRIA CT	12-May-23	CO/PERM	0.11	Yes		
D10D003N22	8008 AGUA FRIA CT	15-Jun-23	CO-PERM	0.11	Yes		
D10D003N3	8009 ALTO REY CT LOT 3 BLOCK 1 UNIT 22 VOLCANO CLIFFS	15-Jun-23	CO-PERM	0.11	Yes		
D10D003N4	8011 ALTO REY CT	15-Nov-22	CO-PERM	0.11	Yes		
D10D003N7	8020 ALTO REY CT	18-Jan-23	CO-PERM	0.12	Yes		
D10D003N8	8016 ALTO REY CT	12-May-23	CO/PERM	0.11	Yes		
D10D003N9	8012 ALTO REY CT	14-Nov-22	CO-PERM	0.11	Yes		
D10D003Q4	6432 PICARDIA	10-Mar-23	CO-PERM	0.12	Yes		
D10D003U8	7809 URRACA	26-Oct-22	CO-PERM	0.13	Yes		
D10D003V49	6208 PAPAGAYO	14-Nov-22	CO-PERM	0.12	Yes		
D10D021	6709 RIM ROCK	19-Oct-22	CO-PERM	0.11	Yes		
D10D022	6701 RIM ROCK	19-Oct-22	CO-PERM	0.11	Yes		
D10D023	6705 RIM ROCK	19-Oct-22	CO-PERM	0.11	Yes		
D10D024	6823 RIMROCK	21-Feb-23	CO-PERM				
D10D024	6823 RIMROCK	28-Mar-23	CO-PERM-R				
D10D024	6823 RIMROCK	06-Jun-23	CO-PERM-R	0.12	Yes		
D16D002H	APPLE CANYON GORMET - 1301 CUESTA ABAJO	21-Jul-22	CO-TEMP				
D16D002H	APPLE CANYON GORMET - 1301 CUESTA ABAJO	29-Aug-22	CO-PERM	1.30	Yes		
D16D002K	THOMPSON CONSTRUCTION STORAGE	01-May-23	CO-PERM	0.14	Yes		
D17D003A	COTTONWOOD CLASSICAL ACADEMY- 7801 JEFFERSON ST NE (REVISION)	04-May-23	CO-PERM	1.24	Yes		
D17D003AA7	RUTLEDGE SPEC BUILDING	16-Jun-23	CO-PERM	3.68	Yes		
D17D107	LEGACY 2@ JOURNAL CENTER - 7800 HEADLINE BLUD NE	02-May-23	CO-PERM	3.02	No	130,228.60	$36,464.00
D18D057	NMDOT GARAGE	10-Mar-23	CO-PERM	0.80	Yes		
E10D068	7919 MAUNA LOA (REVISION)	02-Sep-22	CO-PERM	0.12	Yes		
E10D079	GOLDEN TOWNHOMES	12-Oct-22	CO-PERM	0.92	Yes		

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DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
E10D096	5615 CINDERCONE	30-May-23	CO-PERM	0.12	Yes		
E10D102	6223 KAYENTA	03-Aug-22	CO-PERM	0.11	Yes		
E10D105	7924 VICTORIA	08-Aug-22	CO-PERM	0.13	Yes		
E10D109	6309 LITTLE JOE	13-Oct-22	CO-PERM	0.12	Yes		
E10D110	5620 KIMBERLITE	09-Feb-23	CO-PERM	0.11	Yes		
E10D111	6208 MARIGOLD DR NW	14-Mar-23	CO-PERM-R				
E10D111	6208 MARIGOLD DR NW	15-Mar-23	CO-PERM				
E10D111	6208 MARIGOLD DR NW	29-Mar-23	CO-PERM-R	0.12	Yes		
E10D119	5619 KIMBERLITE DR	24-May-23	CO-PERM	0.11	Yes		
E11D026	6616 MEADOWLAKE	10-Aug-22	CO-PERM	0.12	Yes		
E17D011B	XRANM	19-Apr-23	CO-PERM	2.47	Yes		
E18D005C	PRESBYTERIAN HOSPICE HOUSE	19-Oct-22	CO-PERM	0.62	Yes		
E18D046	US EAGLE CREDIT UNION-ACADEMY	03-Jan-23	CO-PERM	0.69	Yes		
E21D035	10140 MASTERS	29-Mar-23	CO-PERM	0.16	Yes		
E23D037	13012 SAND CHERRY	13-Dec-22	CO-PERM	0.25	Yes		
F14D076	BOSQUE ESCONDIDO	29-Nov-22	ROFG				
F15D056	ABCWUA DISTRIBUTION FILL SOIL YARD-5408 2ND ST	15-Nov-22	CO-PERM	0.56	Yes		
F23D010D	13500 TRAIL VISTA CT	09-Aug-22	CO-PERM	0.17	Yes		
F23D015	5501 BARRANCA OSO CT NE	05-Nov-22	CO-PERM	0.25	Yes		
G11D069E	THE LEARNING EXPERIENCE	23-Aug-22	CO-PERM	0.82	Yes		
G11D073	3120 VISTA GRANDE	18-Apr-23	CO-PERM	0.11	Yes		
G12D024	CINNAMON MORNING	06-Jan-23	ROFG	0.99	Yes		
G12D037A	2943 TRELLIS NW LOT A-4-A	24-Mar-23	CO-PERM	0.09	Yes		
G12D040	2710 SHERIDAN	15-Dec-22	CO-PERM	0.16	Yes		
G14D095	4409 10TH ST NW	03-May-23	CO-PERM	0.12	Yes		
G14D096	INSIGHT CABINET SHOP	21-Apr-23	CO-PERM	0.40	Yes		
G15D049	CUTTERS EDGE	09-May-23	CO-PERM	0.32	Yes		
G15D202	SWMD MAIN & ADMIN BLDGS. PROJECT	13-Apr-23	CO-TEMP				
G15D202	SWMD MAIN & ADMIN BLDGS. PROJECT	07-Jun-23	CO-PERM	8.49	Yes		
G17D011	RAISING CANES-4800 MONTGOMERY BLVD NE	07-Mar-23	CO-PERM	1.35	Yes		
G19D004D	ALBUQUERQUE ER & HOSPITAL	03-May-23	CO-TEMP				
G19D004D	ALBUQUERQUE ER & HOSPITAL	11-May-23	CO-PERM	1.00	No		
H10D032	T&M SELF STORAGE	21-Apr-23	CO-PERM-R	2.85	Yes		
H12D021	2737A CARSON RD	24-May-23	CO-PERM	0.12	Yes		
H14D100	1719 5TH ST NW	02-May-23	CO-TEMP	1.50	Yes		
H14D110	UHAUL 4th ST. & I-40	18-Nov-22	CO-TEMP				
H14D110	UHAUL 4th ST. & I-40	21-Dec-22	CO-PERM	1.71	Yes		
H14D112	BROADWAY MCKNIGHT APPARTMENTS	19-Apr-23	CO-PERM	1.08	Yes		
H14D112	BROADWAY MCKNIGHT APPARTMENTS BLDGS A-J &V-Z	18-May-23	CO-PERM	1.00	Yes		
H16D106	BLAKES LOTABURGER #27 - DRIVE-THRU	12-May-23	CO/PERM	0.06	No	2,613.60	$464.00
H17D097A	BURGER KING	25-Apr-23	CO-PERM	0.42	No		
H17D116	SCOOTERS COFFEE STORE #1175	16-May-23	CO-PERM	0.40	Yes		
H18D073	COFFEE SHOP, 5200 MENAUL-TENANT IMPROVEMENT	28-Sep-22	CO-PERM	0.46	Yes		
H18D074	5400 MENAUL (REVISION)	16-Mar-23	CO-TEMP				

FY 2022

DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
H18D074	5400 MENAUL (REVISION)	02-May-23	CO-PERM	0.27	Yes		
H19D084A	2442 LOUISIANA BLVD NE	24-May-23	CO-PERM	1.15	Yes		
H19D091	XPRESS CARWASH- 7509 & 7521 MENAUL NE	25-Oct-22	ROFG				
H20D003D	RAISING CANES #705 2004 WYOMING BLVD NE	05-Apr-23	CO-PERM	0.88	No	38,543.00	$6,648.00
J08D005	INSPIRATION - ARROYO VISTA MEDIAN SWALE	24-Oct-22	ROFG, WO				
J10D040A	HANOVER PROJECT	08-Feb-23	CO-PERM	1.02	No	44,365.38	$7,690.00
J11D017	STARBUCKS DEVELOPMENT	16-Jun-23	CO-PERM	0.52	Yes		
J12D033	2617 MOUNTAIN RD NW	22-Feb-23	CO-PERM	0.08	Yes		
J13D070	EXPLORA STEM	19-Jan-23	CO-PERM	0.12	Yes		
J13D103	FIERRO RESIDENCE 210 CLAYTON ST SW	16-Mar-23	CO-PERM	0.11	Yes		
J13D104	1519 ROSEMONT	04-Jan-23	CO-PERM	0.10	Yes		
J14D184	OLAGUE WAREHOUSE	13-Jun-23	CO-PERM	0.12	Yes		
J17D038	4231 COE NE	16-Mar-23	CO-PERM	0.11	Yes		
J18D049	CARDENAS TOWN HOMES	24-Oct-22	CO-PERM	0.41	Yes		
J22D050	ABQ. SCHOOL OF EXCELLENCE (REVISION)X10	27-Feb-23	CO-TEMP				
J22D050	ABQ. SCHOOL OF EXCELLENCE (REVISION)X10	20-Jun-23	CO-PERM	2.92	Yes		
J23D031	1625 VALDEZ	10-Mar-23	CO-PERM	0.12	Yes		
K09D043	L & C TRANSPORT	29-Dec-22	CO-PERM	0.35	Yes		
K09D051	TITAN 150K SPEC - INTERIM FOR RETENTION POND	23-Jun-23	CO-TEMP	6.69	Yes		
K10D047	JIFFY LUBE - 130 COORS BLVD NW	23-Jun-23	CO-TEMP	0.68	Yes		
K11D066A	439 52ND St. SW	02-Feb-23	CO-PERM	0.12	Yes		
K12D005A	STARBUCKS @ RANCH MARKET- 4201 CENTRAL NW	30-Nov-22	CO-TEMP	0.38	Yes		
K13D034I	ASIA EXHIBIT AT COA BIOPARK (REVISION)	26-Jun-23	CO-TEMP	1.84	Yes		
K14D087B	SILVER TOWNHOMES BLOCK A-1-A	17-Feb-23	CO-PERM	0.11	No	4,939.70	$1,408.00
K14D087C	SILVER TOWNHOMES BLOCK C-1-A	03-Nov-22	CO-PERM	0.11	No	4,952.10	$1,384.00
K14D225	615 IRON ST SW	01-Mar-23	CO-PERM	0.12	Yes		
K15D005H	PRESBYTERIAN HOSPITAL EXPANSION TOWER AND SITE IMPROVEMENTS	05-Dec-22	CO-TEMP				
K15D005H	PRESBYTERIAN HOSPITAL EXPANSION TOWER AND SITE IMPROVEMENTS	16-Dec-22	CO-PERM	0.09	No		
K15D046A	PRESBYTERIAN HOSPITAL ADDITION AND RENOVATION	30-Mar-23	CO-PERM	0.38	No		
K16D089	409 HARVARD	30-Mar-23	CO-PERM	0.12	Yes		
K16D090	WEEMS OFFICE BUILDING 106 WELLESLEY SE	26-Oct-22	CO-PERM	0.13	No		
K16D094	BACA TOWNHOMES	29-Dec-22	CO-PERM	0.08	Yes		
K16D202	315 CORNELL	18-Jul-22	CO-PERM	0.12	Yes		
K19D108A	FIESTA SUBARU	30-Jun-23	CO-PERM	3.47	Yes	100,846.00	$17,480.00
K22D062	COPPER TERRACE APARTMENTS BUILDING A	19-Jun-23	CO-PERM	0.14	Yes		
L15D056	CHAMPION XPRESS CAR WASH	14-Feb-23	CO-TEMP				
L15D056	CHAMPION XPRESS CAR WASH	22-Feb-23	CO-PERM-R	0.98	Yes		
L17D027	1100 RIDGECREST RD SE	05-Jun-23	CO-PERM	0.13	Yes		
L17D028	801 MORNINGSIDE SE	24-Feb-23	CO-PERM	0.12	Yes		
L19D023	C AND D LAND CORP	28-Mar-23	CO-TEMP				
L19D023	C AND D LAND CORP	20-Jun-23	CO-PERM	0.47	Yes		
L19D043	PHIL CHACON MEMORIAL SUBSTATION	24-Aug-22	CO-PERM	0.80	Yes		
L20D075	JB HENDERSON FAB FACILITY	21-Nov-22	CO-PERM	1.01	Yes		
L23D035	609 WINTERWOOD PL SE	25-Aug-22	CO-PERM	0.12	Yes		

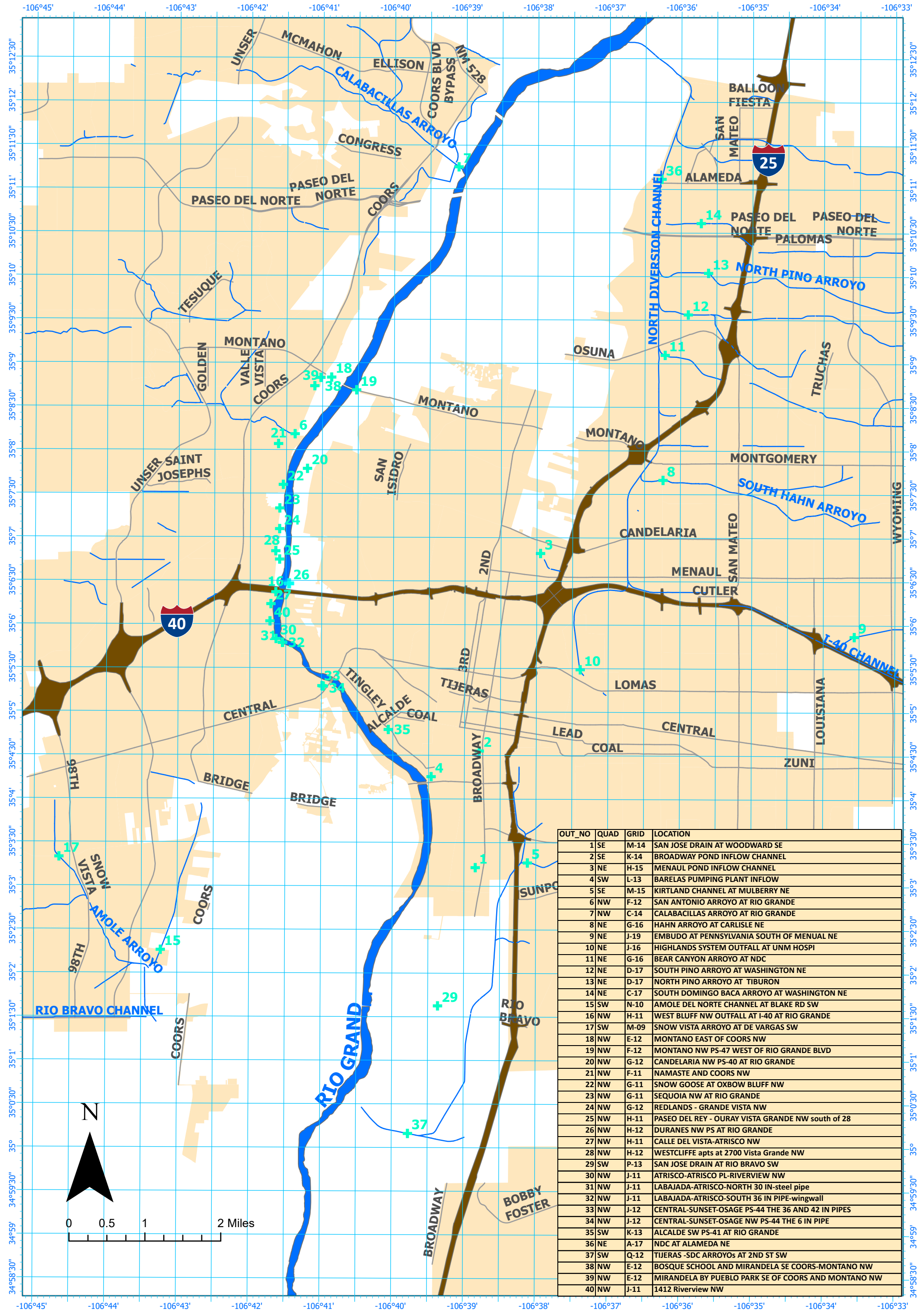
FY 2022

DRAINAGE FILE	PROJECT NAME/DES	Sumital Date	APPROVAL SOUGHT	ACRES IMP	WQ POND AT CO	SQ FT IMP FEE IN LIEU	AMOUNT PAID FEE IN LIEU
M14D012I	KRAMER FIELDS	04-Oct-22	CO-PERM	0.88	Yes		
M15D036	SUNPORT APARTMENTS	24-Oct-22	CO-PERM	1.90	No	283,200.00	$9,912.00
M22D006A	1328 WAGON TRAIL SE	19-Dec-22	CO-PERM	0.10	Yes		
M23D021	ELLIOTT RESIDENCE GARAGE ADDITION (NO PAD CERT REQUIRED PER R.B.)	17-Aug-22	CO-PERM	0.09	Yes		
N08D006F2	ASPIRE SUBDIVISION UNIT 1	19-Aug-22	ROFG	11.90	Yes		
N08D006F3	ASPIRE SUB UNIT 2	11-May-23	ROFG/SIA	11.90	Yes		
P09D002G	CEJA VISTA APARTMENT COMPLEX PHASE 2 BLDG A	15-May-23	CO-PERM	1.90	Yes		
P15D004	KABQ CARGO FACILITY-2200 SUNPORT(SPIRIT AVE)	11-Oct-22	CO-TEMP				
P15D004	KABQ CARGO FACILITY-2200 SUNPORT(SPIRIT AVE)	03-Feb-23	CO-PERM	2.81	Yes		
R16D006A	MESA DEL SOL - MONTAGE UNIT 4A, TRACTS A-6-C1, INNOVATION PARK	31-Jan-23	ROFG	30.00	Yes		
R16D006B	MESA DEL SOL - MONTAGE UNIT 4B, TRACTS A-6-C1, INNOVATION PARK	08-Mar-23	ROFG	30.50	Yes		
R16D099	MESA DEL SOL INT'L SCHOOL	14-Jul-22	CO-TEMP				
R16D099	MESA DEL SOL INT'L SCHOOL	20-Sep-22	CO-PERM	5.05	Yes		
				Total Impervious Area (acres)		Total Impervious Area - Payment-in-Lieu (acres)	Total Payment-in-Lieu (Dollars)
				193.74		**14.04**	**$81,822.00**

Attachment 4

Dry Weather Screening Results

Dry Weather Screening of Outfalls 2023 Report



OUT_NO	QUAD	GRID	LOCATION
1	SE	M-14	SAN JOSE DRAIN AT WOODWARD SE
2	SE	K-14	BROADWAY POND INFLOW CHANNEL
3	NE	H-15	MENAUL POND INFLOW CHANNEL
4	SW	L-13	BARELAS PUMPING PLANT INFLOW
5	SE	M-15	KIRTLAND CHANNEL AT MULBERRY NE
6	NW	F-12	SAN ANTONIO ARROYO AT RIO GRANDE
7	NW	C-14	CALABACILLAS ARROYO AT RIO GRANDE
8	NE	G-16	HAHN ARROYO AT CARLISLE NE
9	NE	J-19	EMBUDO AT PENNSYLVANIA SOUTH OF MENUAL NE
10	NE	J-16	HIGHLANDS SYSTEM OUTFALL AT UNM HOSPI
11	NE	G-16	BEAR CANYON ARROYO AT NDC
12	NE	D-17	SOUTH PINO ARROYO AT WASHINGTON NE
13	NE	D-17	NORTH PINO ARROYO AT TIBURON
14	NE	C-17	SOUTH DOMINGO BACA ARROYO AT WASHINGTON NE
15	SW	N-10	AMOLE DEL NORTE CHANNEL AT BLAKE RD SW
16	NW	H-11	WEST BLUFF NW OUTFALL AT I-40 AT RIO GRANDE
17	SW	M-09	SNOW VISTA ARROYO AT DE VARGAS SW
18	NW	E-12	MONTANO EAST OF COORS NW
19	NW	F-12	MONTANO NW PS-47 WEST OF RIO GRANDE BLVD
20	NW	G-12	CANDELARIA NW PS-40 AT RIO GRANDE
21	NW	F-11	NAMASTE AND COORS NW
22	NW	G-11	SNOW GOOSE AT OXBOW BLUFF NW
23	NW	G-11	SEQUOIA NW AT RIO GRANDE
24	NW	G-12	REDLANDS - GRANDE VISTA NW
25	NW	H-11	PASEO DEL REY - OURAY VISTA GRANDE NW south of 28
26	NW	H-12	DURANES NW PS AT RIO GRANDE
27	NW	H-11	CALLE DEL VISTA-ATRISCO NW
28	NW	H-12	WESTCLIFFE apts at 2700 Vista Grande NW
29	SW	P-13	SAN JOSE DRAIN AT RIO BRAVO SW
30	NW	J-11	ATRISCO-ATRISCO PL-RIVERVIEW NW
31	NW	J-11	LABAJADA-ATRISCO-NORTH 30 IN-steel pipe
32	NW	J-11	LABAJADA-ATRISCO-SOUTH 36 IN PIPE-wingwall
33	NW	J-12	CENTRAL-SUNSET-OSAGE PS-44 THE 36 AND 42 IN PIPES
34	NW	J-12	CENTRAL-SUNSET-OSAGE NW PS-44 THE 6 IN PIPE
35	SW	K-13	ALCALDE SW PS-41 AT RIO GRANDE
36	NE	A-17	NDC AT ALAMEDA NE
37	SW	Q-12	TIJERAS -SDC ARROYOs AT 2ND ST SW
38	NW	E-12	BOSQUE SCHOOL AND MIRANDELA SE COORS-MONTANO NW
39	NW	E-12	MIRANDELA BY PUEBLO PARK SE OF COORS AND MONTANO NW
40	NW	J-11	1412 Riverview NW

Outfall Locations

DRY WEATHER OUTFALLS SCREENING 2023
TABLE OF CONTENTS

LOCATION	**SAN JOSE DRAIN AT BETHEL SE**						
OUTFALL_NO	1	QUAD	SE	GRID	M-14	SAMPLED	☐
DATE_INSP	11/21/2022	TIME	10:55	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\1-M						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**BROADWAY POND INFLOW CHANNEL**						
OUTFALL_NO	2	QUAD	SE	GRID	K-14	SAMPLED	☑
DATE_INSP	1/13/2023	TIME	10:00	Inspected by	SL		
WEATHER	CLOUDY	flow	Y	FLOW_GPM	5		
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\2023\2 - DW Screening--new-2022-2023\2-K						

AIR_TEMP_F	39		Lab		
WATER_TEMP_F	32		Lab_Report	2301537	
pH	8.1		E_coli_Coliform_mpn/100ml	>2419.6	
CONDUCTIVITY_Umos/cm	510		Ammonia_mg/l	<1	
BOD_mg/l	<2		Nitrite_NO2_mg/l	<0.5	
COD_mg/l	<20		Nitrate_NO3_mg/l	<0.5	
TSS_mg/l	<4		TKN_Tot_Kjeld_N_mg/l	<1	
TDS_mg/l	301		Phosphorus_total_mg/l_P	0.39	
N-Hexane Extractabie-(Oil_Grease)_mg/l	<9.9		Hardness_mg/l_CaCO3	190	
Floride_mg/l	0.68		Chlorine_mg/l	<0.05	

LOCATION	**MENAUL POND INFLOW CHANNEL**						
OUTFALL_NO	3	QUAD	NE	GRID	H-15	SAMPLED	☐
DATE_INSP	11/21/2022	TIME	2:40	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\3-H						

AIR_TEMP_F	50	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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**BARELAS PUMPING PLANT INFLOW**						
OUTFALL_NO	4	QUAD	SW	GRID	L-13	SAMPLED	☑
DATE_INSP	11/29/2022	TIME	10:45	Inspected by	SK		
WEATHER	SUNNY	flow	Y	FLOW_GPM	5		
APPEARANCE	clear	GROSS POLLUTANT	none				
Source of Flow	groundwater infilteration to the storm lines						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2023\2 - DW Screening--new-2022-2023\4-L						

AIR_TEMP_F	50	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	52	Lab_Report	2211E23
pH	8.23	E_coli_Coliform_mpn/100ml	1011.2
CONDUCTIVITY_Umos/cm	780	Ammonia_mg/l	<2
BOD_mg/l	<2	Nitrite_NO2_mg/l	<0.1
COD_mg/l	nd	Nitrate_NO3_mg/l	0.14
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<2
TDS_mg/l	522	Phosphorus_total_mg/l_P	0.23
N-Hexane Extractabie-(Oil_Grease)_mg/l	<10	Hardness_mg/l_CaCO3	290
Floride_mg/l	0.72	Chlorine_mg/l	<0.05

LOCATION	**KIRTLAND CHANNEL AT MULBERRY NE**						
OUTFALL_NO	5	QUAD	SE	GRID	M-15	SAMPLED	☐
DATE_INSP	11/21/2022	TIME	11:05	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\5-M						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**SAN ANTONIO ARROYO AT RIO GRANDE**						
OUTFALL_NO	6	QUAD	NW	GRID	F-12	SAMPLED	☐
DATE_INSP	11/18/2022	TIME	10:15	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\2023\2 - DW Screening--new-2022-2023\6-F						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**CALABACILLAS ARROYO AT RIO GRANDE**

OUTFALL_NO	7	QUAD	NW	GRID	C-14	SAMPLED	☐
DATE_INSP	11/18/2022	TIME	11:25	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\7-C

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**HAHN ARROYO AT CARLISLE NE**						
OUTFALL_NO	8	QUAD	NE	GRID	G-16	SAMPLED	☐
DATE_INSP	11/22/2022	TIME	1:50	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\2023\2 - DW Screening-2022-2023\East\8-G						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**EMBUDO AT PENNSYLVANIA SOUTH OF MENUAL NE**						
OUTFALL_NO	9	QUAD	NE	GRID	J-19	SAMPLED	☐
DATE_INSP	11/21/2022	TIME	2:15	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\9-J1						

AIR_TEMP_F	50	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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	NDC AT TUCKER						
OUTFALL_NO	10	QUAD	NE	GRID	J-16	SAMPLED	☑
DATE_INSP	12/8/2022	TIME	1:40	Inspected by	SK		
WEATHER	SUNNY	flow	YES	FLOW_GPM	3		
APPEARANCE	clear, slight yellow	GROSS POLLUTANT	none				
Source of Flow	Irrigation, Burton 3 well wash from 3901 Lead NE, fire hydants discharge						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2023\2 - DW Screening-2022-2023\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 Extractabie-(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	11/22/2022	TIME	2:12	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\2023\2 - DW Screening-2022-2023\East\11-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**SOUTH PINO ARROYO AT WASHINGTON NE**						
OUTFALL_NO	12	QUAD	NE	GRID	D-17	SAMPLED	☐
DATE_INSP	11/22/2022	TIME	2:25	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\2023\2 - DW Screening-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**NORTH PINO ARROYO AT TIBURON NE**						
OUTFALL_NO	13	QUAD	NE	GRID	D-17	SAMPLED	☐
DATE_INSP	11/22/2022	TIME	2:30	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\2023\2 - DW Screening-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**SOUTH DOMINGO BACA ARROYO AT WASHINGTON NE**						
OUTFALL_NO	14	QUAD	NE	GRID	C-17	SAMPLED	☐
DATE_INSP	11/22/2022	TIME	2:45	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\2023\2 - DW Screening-2022-2023\East\14-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**AMOLE DEL NORTE CHANNEL AT BLAKE SW**						
OUTFALL_NO	15	QUAD	SW	GRID	N-10	SAMPLED	☐
DATE_INSP	11/15/2022	TIME	2:00	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\15-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_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	11/16/2022	TIME	3:20	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\2023\2 - DW Screening--new-2022-2023\16						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**SNOW VISTA ARROYO AT DE VARGAS SW**						
OUTFALL_NO	17	QUAD	SW	GRID	M-09	SAMPLED	☐
DATE_INSP	11/15/2022	TIME	2:30	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	MONTANO EAST OF COORS NW						
OUTFALL_NO	18	QUAD	NW	GRID	E-12	SAMPLED	☐
DATE_INSP	11/18/2022	TIME	11:05	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\2023\2 - DW Screening--new-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**MONTANO NW PS-47 WEST OF RIO GRANDE BLVD**						
OUTFALL_NO	19	QUAD	NW	GRID	F-12	SAMPLED	☐
DATE_INSP	11/30/2022	TIME	11:40	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\19-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**CANDELARIA NW PS-40 AT RIO GRANDE**						
OUTFALL_NO	20	QUAD	NW	GRID	G-12	SAMPLED	☑
DATE_INSP	1/26/2023	TIME	9:50	Inspected by	SL		
WEATHER	CLOUDY	flow	YES	FLOW_GPM	3		
APPEARANCE	clear	GROSS POLLUTANT	none				
Source of Flow	groundwater infiltration						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2023\2 - DW Screening-2022-2023\East\20-						

AIR_TEMP_F	38	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	40	Lab_Report	2301A03
pH	8.16	E_coli_Coliform_mpn/100ml	127.4
CONDUCTIVITY_Umos/cm	470	Ammonia_mg/l	<1
BOD_mg/l	5.0	Nitrite_NO2_mg/l	<0.1
COD_mg/l	<20	Nitrate_NO3_mg/l	<0.1
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<1
TDS_mg/l	317	Phosphorus_total_mg/l_P	0.067
N-Hexane Extractabie-(Oil_Grease)_mg/l	<10	Hardness_mg/l_CaCO3	170
Floride_mg/l	0.36	Chlorine_mg/l	<0.05

LOCATION	NAMASTE AND COORS NW						
OUTFALL_NO	21	QUAD	NW	GRID	F-11	SAMPLED	☐
DATE_INSP	11/18/2022	TIME	10:00	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\2023\2 - DW Screening--new-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	SNOW GOOSE AT OXBOW BLUFF NW						
OUTFALL_NO	22	QUAD	NW	GRID	G-11	SAMPLED	☐
DATE_INSP	11/17/2022	TIME	4:00	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\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 Extractabie-(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	11/17/2022	TIME	3:26	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\23-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**REDLANDS - GRANDE VISTA NW**						
OUTFALL_NO	24	QUAD	NW	GRID	G-12	SAMPLED	☐
DATE_INSP	11/17/2022	TIME	3:05	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**PASEO DEL REY - OURAY - VISTA GRANDE NW**						
OUTFALL_NO	25	QUAD	NW	GRID	H-11	SAMPLED	☐
DATE_INSP	11/17/2022	TIME	10:55	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\25-						

AIR_TEMP_F	39	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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**DURANES NW PS AT RIO GRANDE**						
OUTFALL_NO	26	QUAD	NW	GRID	H-12	SAMPLED	☑
DATE_INSP	1/13/2023	TIME	1:30	Inspected by	SL		
WEATHER	CLOUDY	flow	YES	FLOW_GPM	3		
APPEARANCE	clear	GROSS POLLUTANT	none				
Source of Flow	groundwater infilteration and Duranes groundwater pump station at Zickert and Apple N						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2023\2 - DW Screening-2022-2023\East\26-						

AIR_TEMP_F	48	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	43	Lab_Report	2301542
pH	8.05	E_coli_Coliform_mpn/100ml	238.2
CONDUCTIVITY_Umos/cm	500	Ammonia_mg/l	<1
BOD_mg/l	2.4	Nitrite_NO2_mg/l	<0.5
COD_mg/l	<20	Nitrate_NO3_mg/l	<0.5
TSS_mg/l	18	TKN_Tot_Kjeld_N_mg/l	<1
TDS_mg/l	306	Phosphorus_total_mg/l_P	0.13
N-Hexane Extractabie-(Oil_Grease)_mg/l	,9.84	Hardness_mg/l_CaCO3	200
Floride_mg/l	0.58	Chlorine_mg/l	<0.05

LOCATION	**CALLE DEL VISTA-ATRISCO NW**						
OUTFALL_NO	27	QUAD	NW	GRID	H-11	SAMPLED	☐
DATE_INSP	11/16/2022	TIME	3:10	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\2023\2 - DW Screening--new-2022-2023\27-						

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 Extractabie-(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	11/17/2022	TIME	10:45	Inspected by			
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\2023\2 - DW Screening--new-2022-2023\28-						

AIR_TEMP_F	39	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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**SAN JOSE DRAIN AT RIO BRAVO SW**						
OUTFALL_NO	29	QUAD	SW	GRID	P-13	SAMPLED	☐
DATE_INSP	11/21/2022	TIME	10:45	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\29-						

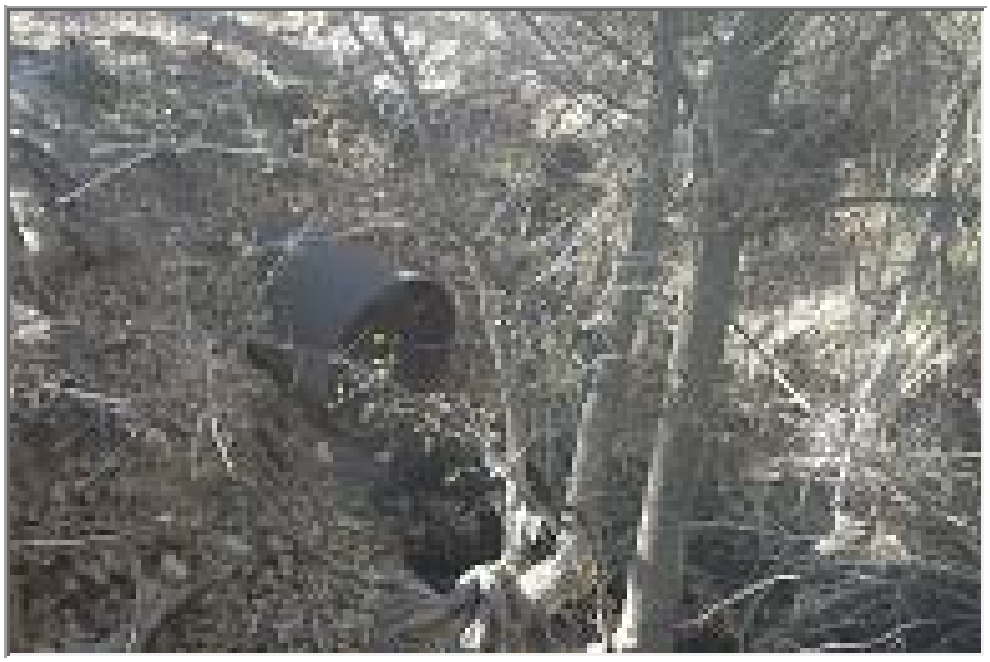
AIR_TEMP_F	42	Lab	
WATER_TEMP_F		Lab_Report	
pH		E_coli_Coliform_mpn/100ml	
CONDUCTIVITY_Umos/cm		Ammonia_mg/l	
BOD_mg/l		Nitrite_NO2_mg/l	
COD_mg/l		Nitrate_NO3_mg/l	
TSS_mg/l		TKN_Tot_Kjeld_N_mg/l	
TDS_mg/l		Phosphorus_total_mg/l_P	
N-Hexane Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**ATRISCO-ATRISCO PL-RIVERVIEW NW**						
OUTFALL_NO	30	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	11/15/2022	TIME	3:25	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\30-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**LABAJADA-ATRISCO-NORTH 30 IN PIPE**						
OUTFALL_NO	31	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	11/15/2022	TIME	3:20	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\31-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	



LOCATION	**LABAJADA-ATRISCO-SOUTH 36 IN PIPE-WINGWALL**						
OUTFALL_NO	32	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	11/15/2022	TIME	3:20	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**CENTRAL-SUNSET-OSAGE PS-44 THE 36 AND 42 IN PIPES**						
OUTFALL_NO	33	QUAD	NW	GRID	J-12	SAMPLED	☑
DATE_INSP	11/28/2022	TIME	2:30	Inspected by	SK		
WEATHER	CLOUDY	flow	YES	FLOW_GPM	0		
APPEARANCE	clear	GROSS POLLUTANT	none				
Source of Flow	groundwater at the Atrisco park						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2023\2 - DW Screening-2022-2023\West\33-						

AIR_TEMP_F	48	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	46	Lab_Report	2211D77
pH	8.24	E_coli_Coliform_mpn/100ml	111.8
CONDUCTIVITY_Umos/cm	670	Ammonia_mg/l	<1
BOD_mg/l	<2	Nitrite_NO2_mg/l	<0.1
COD_mg/l	nd	Nitrate_NO3_mg/l	0.2
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<1
TDS_mg/l	439	Phosphorus_total_mg/l_P	0.1
N-Hexane Extractabie-(Oil_Grease)_mg/l	<9.7	Hardness_mg/l_CaCO3	230
Floride_mg/l	0.55	Chlorine_mg/l	<0.05

LOCATION	**CENTRAL-SUNSET-OSAGE NW PS-44 THE 6 IN PIPE**						
OUTFALL_NO	34	QUAD	NW	GRID	J-12	SAMPLED	☐
DATE_INSP	11/15/2022	TIME	3:05	Inspected by	SK		
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\2023\2 - DW Screening--new-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**ALCALDE SW PS-41 AT RIO GRANDE**						
OUTFALL_NO	35	QUAD	SW	GRID	K-13	SAMPLED	☐
DATE_INSP	11/21/2022	TIME	11:25	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\East\35-						

AIR_TEMP_F	46	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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**NDC AT ALAMEDA NE**						
OUTFALL_NO	36	QUAD	NE	GRID	C-17	SAMPLED	☑
DATE_INSP	11/29/2022	TIME	2:00	Inspected by	SK		
WEATHER	SUNNY	flow	YES	FLOW_GPM	15		
APPEARANCE	clear	GROSS POLLUTANT	leaves, papers, plastics				
Source of Flow	Irrigation water and well wash water at Love wells #4 and 8 and Ridge Crest #3 and 4.						
link	X:\MD\SHARE\MD-Storm\7_NPDES\311_SWQ_Complaints\2023\2 - DW Screening--new-2022-2023\36-						

AIR_TEMP_F	54	Lab	HALL ENVIRONMENTAL
WATER_TEMP_F	52	Lab_Report	2211E40
pH	8.11	E_coli_Coliform_mpn/100ml	21.6
CONDUCTIVITY_Umos/cm	520	Ammonia_mg/l	<5
BOD_mg/l	9	Nitrite_NO2_mg/l	<0.5
COD_mg/l	45.4	Nitrate_NO3_mg/l	<0.5
TSS_mg/l	<4	TKN_Tot_Kjeld_N_mg/l	<5
TDS_mg/l	354	Phosphorus_total_mg/l_P	0.07
N-Hexane Extractabie-(Oil_Grease)_mg/l	<9.8	Hardness_mg/l_CaCO3	180
Floride_mg/l	0.67	Chlorine_mg/l	<0.05

LOCATION	**TIJERAS ARROYO AT 2ND ST SW**						
OUTFALL_NO	37	QUAD	SW	GRID	Q-12	SAMPLED	☐
DATE_INSP	11/21/2022	TIME	10:30	Inspected by	SK		
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\2023\2 - DW Screening-2022-2023\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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_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	11/18/2022	TIME	10:35	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\2023\2 - DW Screening--new-2022-2023\38-

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_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	11/18/2022	TIME	10:45	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\2023\2 - DW Screening--new-2022-2023\39-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

LOCATION	**1406-1412 RIVERVIEW NW**						
OUTFALL_NO	**40**	QUAD	NW	GRID	J-11	SAMPLED	☐
DATE_INSP	11/16/2022	TIME	2:45	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\2023\2 - DW Screening-2022-2023\West\40-						

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 Extractabie-(Oil_Grease)_mg/l		Hardness_mg/l_CaCO3	
Floride_mg/l		Chlorine_mg/l	

Attachment 5

Map and Listing of Illicit Discharges

311 NPDES Calls

Annual Report

FY 2023

(7/1/2022 to 6/30/ 2023)

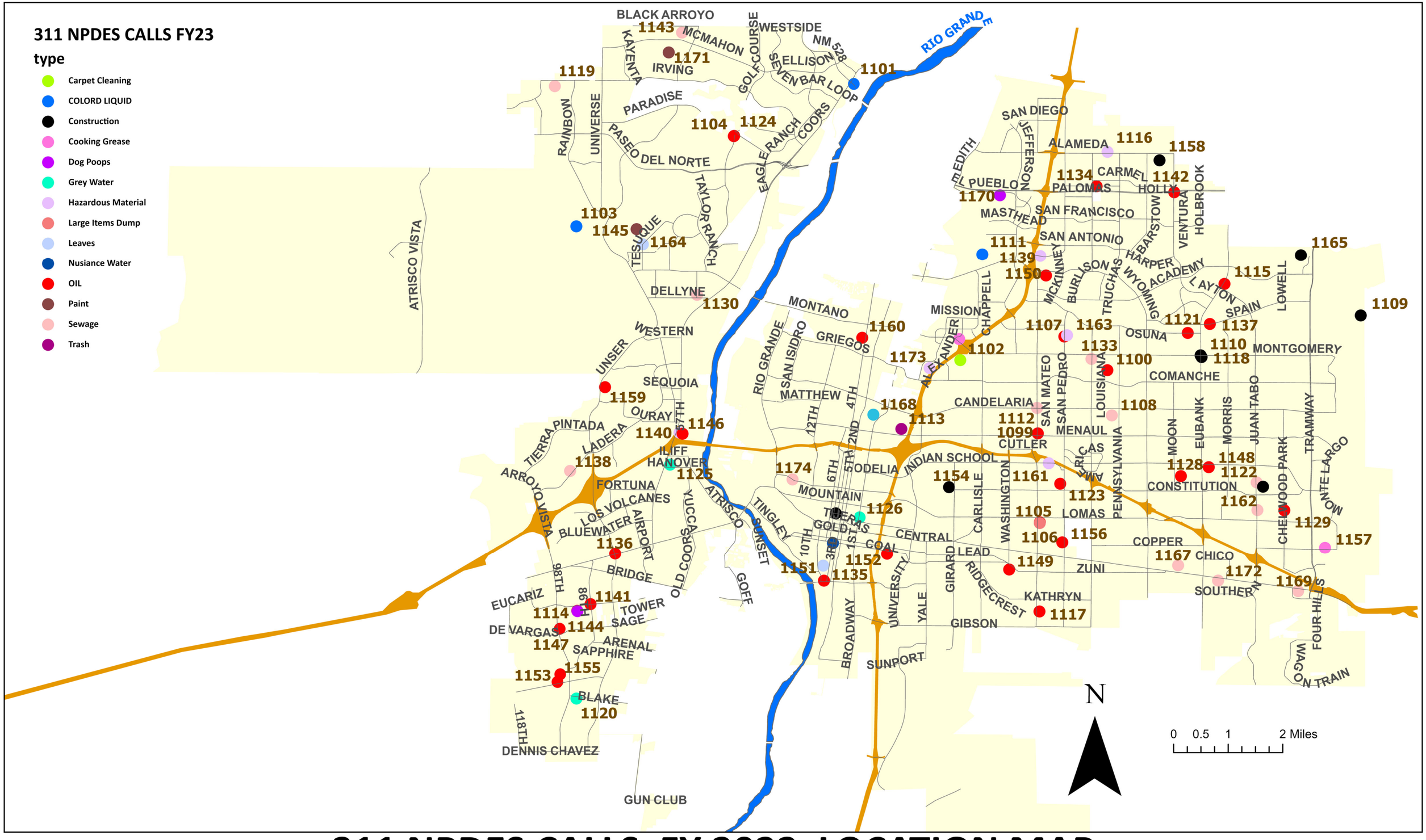
EVENT_ID	Facility_Address	Complaint_Date	Type_of_Complaint
1099	2610 SAN MATEO NE	7/5/2022	OIL
1100	7309 BELLROSE CT NE	7/6/2022	OIL
1101	1633–1651 ALAMEDA BLVD NW	7/2/2022	OIL
1102	DESERT CREEK APARTMENTS AT 4300 PAN AMERI	7/8/2022	CARPET CLEANING
1103	8643 GOUNDSEL NW	7/8/2022	COLORD LIQUID
1104	9501 GOLF COURSE NW	7/8/2022	OIL
1105	901 ORTIZ NE	7/11/2022	OIL
1106	ROMA AND ORTIZ NE	7/11/2022	LARGE ITEMS DUMP
1107	SAN PEDRO AND TOPKE PL NE	7/13/2022	OIL
1108	CHARELSTON AND LOS ALBOLES	7/25/2022	SEWAGE
1109	13500 TRAIL VISTA CT NE	7/26/2022	CONSTRUCTION
1110	MONTGOMERY AND EUBANK NE	8/2/2022	CONSTRUCTION
1111	RELIOS AMERICAN WEST JEWELRY AT 6815 ACAD	8/3/2022	COLORD LIQUID
1112	CHURCH'S CHICKEN AT 2937 SAN MATEO	8/5/2022	SEWAGE
1113	2611 BROADBENT PARKWAY NE	8/8/2022	TRASH
1114	9004 SUNFISH SW	8/9/2022	OIL
1115	6200 EUBANK	8/9/2022	OIL
1116	7320 DANCING EAGLE NE	8/22/2022	HAZARDOUS MATERIAL
1117	1251 ORTIZ DR SE	8/24/2022	OIL
1118	MURPHY EXPRESS GAS STATION AT 9700 MONTG	8/26/2022	CONSTRUCTION
1119	10428 WOODQUAIL NW	8/26/2022	SEWAGE
1120	9516 CHASE RANCH SW	8/27/2022	GREY WATER
1121	9418 OSUNA NE	8/31/2022	OIL
1122	1520 JUAN TABO - CHAMPION CAR WASH	9/1/2022	SEWAGE
1123	5823 BELLAMAH NE	9/2/2022	OIL
1124	VALVOLINE OIL SHOP AT 9501 GOLF COURSE NW	9/8/2022	OIL
1125	5720 LA ANITA NW	9/15/2022	GREY WATER
1126	ARNO AND MARQUETTE	9/15/2022	GREY WATER
1127	12021 DONNA CT NE	9/16/2022	CONSTRUCTION
1128	1605 ALTEZ NE	9/19/2022	OIL
1129	1020 CHELWOOD PARK NE	10/10/2022	OIL
1130	5216 VALLE VISTA NW	10/12/2022	SEWAGE
1131	ARBY'S AT 1416 MERCANTILE NE	10/20/2022	COOKING GREASE
1132	POLICE DEPT BUILDING AT 401 MARQUETTE NW	10/25/2022	CONSTRUCTION
1133	WECKS AT 3913 LOUISIANA NE	10/27/2022	SEWAGE
1134	7030 HOLLY NE	10/28/2022	OIL
1135	AUTO ZONE AT 507 AVANIDA CESAR CHAVEZ SW	10/31/2022	OIL
1136	UNSER AND CENTRAL	10/31/2022	OIL
1137	SPAIN AND VAN CHRISTOPHER NE	11/1/2022	OIL
1138	1204 CASA ROJA PL NW	10/23/2022	SEWAGE
1139	PAN AMERICAN FRWY AND FOREST HILLS NE	11/7/2022	HAZARDOUS MATERIAL
1140	I-40 RAMP AND COORS NW	11/8/2022	HAZARDOUS MATERIAL
1141	86TH AND TOWER SW	11/16/2022	OIL

EVENT_ID	Facility_Address	Complaint_Date	Type_of_Complaint
1142	VENTURA AND PDN NE	11/18/2022	OIL
1143	5805 NIGHT WHISPER NW	11/29/2022	SEWAGE
1144	9004 SUNFISH SW	11/30/2022	DOG POOPS
1145	6516 CAMINO DEL OESTE NE	12/9/2022	PAINT
1146	ATRISCO AND MIAMI NW	12/23/2022	OIL
1147	9734 WESTERN AV SW	12/26/2022	OIL
1148	10212 MCKNIGHT NE	12/27/2022	OIL
1149	420 WASHINGTON SE	1/3/2023	OIL
1150	MONTECITO APARTMENTS AT 5800 HARPER NE	1/12/2023	OIL
1151	507 CROMWELL SW	1/12/2023	LEAVES
1152	CEDAR BETWEEN COAL AND HAZELDINE SE	1/12/2023	OIL
1153	10000 RANGE SW	1/28/2023	OIL
1154	COURTESY PLUMBING AT 1216 PRINCETON NE	1/30/2023	CONSTRUCTION
1155	DE ANZA AND DEL RAY SW	2/7/2023	OIL
1156	6201 COPPER NE	2/23/2023	OIL
1157	800 JEWEL NE	2/28/2023	COOKING GREASE
1158	8709 HAMPTON NE	3/1/2023	CONSTRUCTION
1159	3323 PAINTED ROCK NW	3/10/2023	OIL
1160	5120 5TH ST NW	3/13/2023	OIL
1161	INDIAN SCHOOL AND ALVARADO NE	3/21/2023	HAZARDOUS MATERIAL
1162	1016 JUAN TABO NE	4/6/2023	SEWAGE
1163	4400 BOONE NE	4/13/2023	HAZARDOUS MATERIAL
1164	6225 AGATE NW	4/17/2023	LEAVES
1165	PINO DAM AT TRAMWAY AND ACADEMY NE	4/19/2023	CONSTRUCTION
1166	COFFEE SHOP AT COAL AND 4TH	4/28/2023	NUSIANCE WATER
1167	215 ERBBE AND BUNE VISTA	5/4/2023	SEWAGE
1168	CLAREMONT AND BROADWAY POND	5/5/2023	TRASH
1169	SUBWAY AT 13110 CENTRAL SE	5/10/2023	SEWAGE
1170	7900 LORRAINE NE	6/6/2023	DOG POOPS
1171	10613 SATELLITE NW	6/10/2023	PAINT
1172	MOBILE HOME PARK AT 10724 CENTRAL SE	6/13/2023	SEWAGE
1173	4101 PAN AMERICAN FRWY NW	6/15/2023	HAZARDOUS MATERIAL
1174	MOUNTAIN ROAD EAST OF 19TH ST NW	6/16/2023	SEWAGE

311 NPDES CALLS FY23

type

- Carpet Cleaning
- COLORD LIQUID
- Construction
- Cooking Grease
- Dog Poops
- Grey Water
- Hazardous Material
- Large Items Dump
- Leaves
- Nusiance Water
- OIL
- Paint
- Sewage
- Trash



311 NPDES CALLS FY 2023 LOCATION MAP

FY 2023 NPDES 311 CALLS
7/1/22 to 6/30/23

Address	2610 SAN MATEO NE

Inspection Date	7/6/2022			Reporting_Date	7/5/2022
Customer	JULIE SULLIVAN	SOURCE	311	311CASE_ID	220705-001420
Customer_Ph	884-8800			e_mail	jsullivan@ability1st.com
X_Link		Complaint type	OIL	Inspector	
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	VAN			EVENT_ID	1099
is it in gis	0				

Complaint	GASOLINE LINE LEAKING IN PARKING LOT. NORTH OF THE BUILDING. COMPANY VAN
Field Observation	NO VISIT
Initial Action	CODE-ZONING COMPLAINTS / PLANNING FOUND NO VIOLATION

Address	7309 BELLROSE CT NE

Inspection Date	7/6/2022			Reporting_Date	7/6/2022
Customer	KATE STRATTON	SOURCE	311	311CASE_ID	220705-001944
Customer_Ph	382-3654			e_mail	
X_Link		Complaint type	OIL	Inspector	
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	STREET			EVENT_ID	1100
is it in gis	-1				

Complaint	LEFT SIDE OF THE DRIVEWAY. GASOLINE LEAKED ONTO THE ROAD. LONG PUDDLE.
Field Observation	NO VISIT
Initial Action	ABSORBENT WAS APPLIED TO AREA BY AFTER HR. FOREMAN HUGO R.

Address	1633–1651 ALAMEDA BLVD NW

Inspection Date	7/6/2022			Reporting_Date	7/2/2022
Customer	SEECLICKFIX	SOURCE	311	311CASE_ID	220702-000470
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	OIL	Inspector	
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	MEDIAN			EVENT_ID	1101
is it in gis	-1				

Complaint	OIL CAN AND OIL SPILL IN THE MEDIAN WHERE CARS ARE TURNING
Field Observation	NO VISIT
Initial Action	CASE CLOSED 7/5/2022WITH NEGATIVE RESULTS FOUND BY AFTER HR. FOREMAN HUGO R.

Address	DESERT CREEK APARTMENTS AT 4300 PAN AMERICAN FWY NE

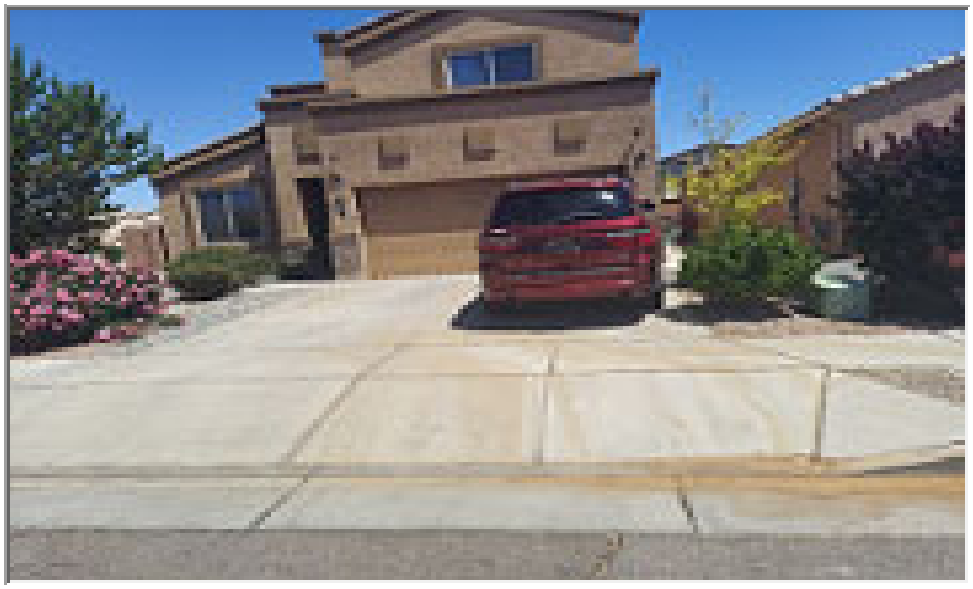
Inspection Date	7/11/2022			Reporting_Date	7/8/2022
Customer	JOSEPH DILLEY	SOURCE	WEB	311CASE_ID	WEB
Customer_Ph	515-4449			e_mail	josephd0630@gmail.com
X_Link		Complaint type	Carpet Cleaning	Inspector	GS
Facility_Contac	MANAGERS			Facility_Ph_No	
Suspected_Facility	XTREME CLEAN CARPET			EVENT_ID	1102
is it in gis	-1				

Complaint	DIRTY WATER, MIXED WITH CARPET CLEANING CHEMICALS. DUMPED BY A COMPANY TRUCK OWNED BY XTREME CLEAN/ XTREME STORAGE. ADDRESS FOR COMPANY: 100 TRUMBULL AVE SE
Field Observation	DESERT CREEK AND THE XTREME CLEAN CARPET CLEANING, THEY BOTH STATED THAT THERE WAS NO ILLEGAL DUMPING ON SITE
Initial Action	NO ACTION

Address	**8643 GOUNDSEL NW**

Inspection Date	7/8/2022			Reporting_Date	7/8/2022
Customer	D J LASKOWSKI-SOLI	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	506-6651			e_mail	dlaskowski@cabq.gov
X_Link		Complaint type	COLORD LIQUID	Inspector	
Facility_Contac	RESIDENT			Facility_Ph_No	
Suspected_Facility	HOME			EVENT_ID	1103
is it in gis	-1				

Complaint	A COLORD WATER RUNING ALONG THE GUTTER COMING FROM THIS ADDRESS
Field Observation	THE DRY BROWN RESIDUE WAS VISIBLE ALONG THE GUTTER. THE OWNER STATED THAT THE BROWN STAIN IS THE CHEMICAL THAT A CLEANING COMPANY USED TO CLEAN UP THE OIL ON THE DRIVE PAD.
Initial Action	INSPECTOR GAVE THEM POLLUTION PREVENTION BROCHURES AND ASKED THEM NOT TO DISCHARGE ANY LIQUID TO THE STREET IN THE FUTURE.



Address	9501 GOLF COURSE NW

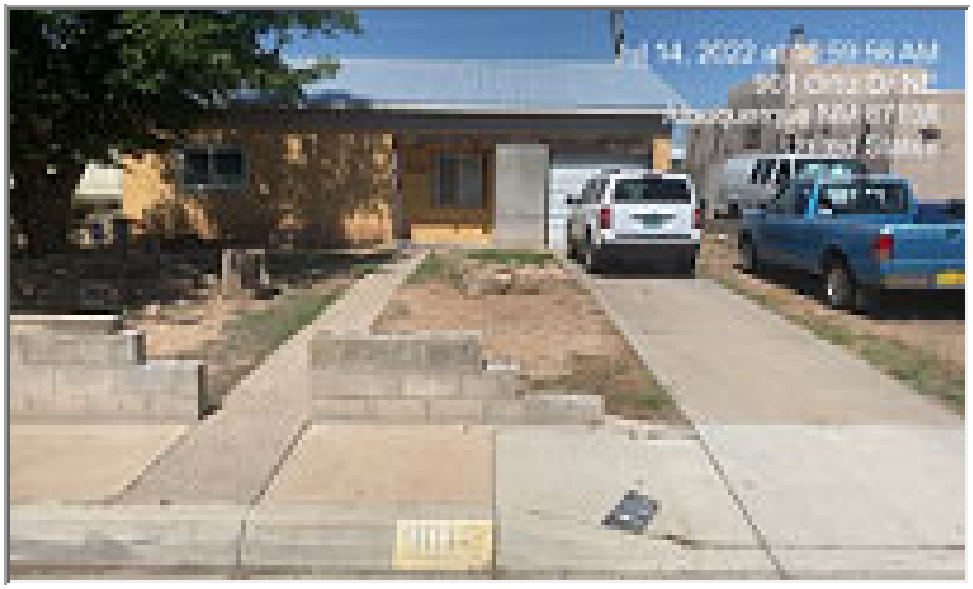
Inspection Date	7/11/2022			Reporting_Date	7/8/2022
Customer	MICHELLE KLEIN	SOURCE	311	311CASE_ID	220708-001624
Customer_Ph	521-2043			e_mail	
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	VALVOLINES OIL CO.			EVENT_ID	1104
is it in gis	-1				

Complaint	VALVOLINES OIL SLUDGE IS GOING DOWN INTO THE CITY'S STORM DRAIN
Field Observation	THE MANAGER STATED THAT THEY CLEAN UP THE FILTERS ON SITE AND LET CLEANING WATER AND CHEMICAL GO TO STORMDRAIN.
Initial Action	INSPECTOR GAVE HIM POLLUTION PREVENTION BROCHURES AND ASKED THEM TO STOP DISCHARGING ANY LIQUID TO THE STREET.

Address	901 ORTIZ NE

Inspection Date	7/14/2022			Reporting_Date	7/11/2022
Customer	BOBBY HOLT	SOURCE	311	311CASE_ID	220711-002484
Customer_Ph	232-9238			e_mail	rhody48@aol.com
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	RESIDENT	Facility_Ph_No			
Suspected_Facility	HOME	EVENT_ID	1105	is it in gis	-1

Complaint	OIL CONTAINER IN BARRELL AND ANTI-FREEZE IN ORIGINAL CONTAINER
Field Observation	NO OIL CONTAINERS WERE ON THE SITE, THEY WERE REMOVED.
Initial Action	NO ACTION



Address	ROMA AND ORTIZ NE

Inspection Date	7/14/2022			Reporting_Date	7/11/2022
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	220711-002898
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Large Items Dump	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	STREET			EVENT_ID	1106
is it in gis	-1				

Complaint	KIDS/BABY POOL FULL OF OIL AT THE WEST END OF ROMA FROM ORTIZ.
Field Observation	THE POOL HAS BEEN PICKED UP.
Initial Action	NO ACTION

Address	SAN PEDRO AND TOPKE PL NE

Inspection Date	7/14/2022			Reporting_Date	7/13/2022
Customer	JOSHUA ROCHELLE	SOURCE	311	311CASE_ID	220713-002321
Customer_Ph	304-3991			e_mail	therochelleman@aol.com
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	STREET	EVENT_ID	1107	is it in gis	-1

Complaint	200 GALLONS OF OIL LEFT IN A MAKESHIFT DUMPSTER
Field Observation	NO VISIT
Initial Action	SOLID WASTE HAS INITIATED A WORK ORDER FOR ACT TO PICK UP AND DISPOSE OF THE USED OIL CONTAINER LEFT ON TOPKE PL. NE.

Address	CHARELSTON AND LOS ALBOLES

Inspection Date	7/25/2022			Reporting_Date	7/25/2022
Customer	PATRICK GUTIRREZ	SOURCE	311	311CASE_ID	220725-000426
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Sewage	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	RV			EVENT_ID	1108
is it in gis	-1				

Complaint	SEWER FROM RV FLOWING DOWN THE STREET
Field Observation	NO RV WAS PARKED THERE. THERE WAS DRY WHITE PAPERS ON THE STREET AT THIS LOCATION
Initial Action	ASKED STREET TO SWEEP THE AREA.

Address	13500 TRAIL VISTA CT NE

Inspection Date	7/28/2022			Reporting_Date	7/26/2022
Customer	SEECLICKFIX	SOURCE	311	311CASE_ID	220726-001737
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Construction	Inspector	GS
Facility_Contac	CONTRACTOR			Facility_Ph_No	350-8328
Suspected_Facility	PWKI CONSTRUCTION			EVENT_ID	1109
is it in gis	-1				

Complaint	LOOKS LIKE CONTRACTOR ILLEGALLY DUMPED CHEMICALS IN THE ARROYO IN BACK OF THE NEW HOUSE UNDER CONSTRUCTION
Field Observation	THE POOL CONTRACT HAD EMPTIED THE GUNITE (GROUT MIX) WASHOUT FROM THE HOSE INTO THE ARROYO DIRECTLY BEHIND THE HOME.
Initial Action	THE CONTRACTOR STATED THAT HE WOULD HAVE THE ARROYO CLEANED BY TOMORROW AND WILL SEND PICTURES TO CONFIRM.

Address	MONTGOMERY AND EUBANK NE

Inspection Date	8/4/2022			Reporting_Date	8/2/2022
Customer	IRENE CHAVEZ	SOURCE	311	311CASE_ID	220802-002088
Customer_Ph	934-4245			e_mail	miisslucia312@gmail.com
X_Link		Complaint type	Construction	Inspector	GS
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	STORM INLET	EVENT_ID	1110	is it in gis	-1

Complaint	WATER DIKE - WATTLE & NETTING ON THE GRATE AFTER CONSTRUCTION
Field Observation	THE WATTLE WAS STILL THERE ON THE INLET
Initial Action	ASKED STREET MAINTENANCE TO REMOVE IT.

Address	LIOS AMERICAN WEST JEWELRY AT 6815 ACADEMY PKWY WEST

Inspection Date	8/4/2022			Reporting_Date	8/3/2022
Customer	NOLAN BENNETT-A	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	301-6941			e_mail	nbennett@amafca.org
X_Link		Complaint type	COLORD LIQUID	Inspector	GS
Facility_Contac	MANAGER			Facility_Ph_No	573-6792
Suspected_Facility	RELIOS AMERICAN WEST JEWEL			EVENT_ID	1111
is it in gis	-1				

Complaint	THERE IS SOME DISCOLORATION IN THE PRIVATE CHANNEL JUST NORTH OF THE HIGHLIGHTED PROPERTY. HE SAID IT LOOKED LIKE THEY WERE STORING A PUMP IN THE AREA AS WELL. CAN SOMEONE FROM THE CITY CHECK IT OUT.
Field Observation	THE PUMP WAS CONNECTED TO DISCHARGE TO SANITARY LINE. THERE WAS NO COLORATION AT THIS LOCATION.
Initial Action	LEFT SOME POLLUTION PREVENTION BROCHURES WITH THE MANAGER.

Address	CHURCH'S CHICKEN AT 2937 SAN MATEO

Inspection Date	8/8/2022			Reporting_Date	8/5/2022
Customer	TRAVIS A. PEACOCK-	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	274-1820			e_mail	tpeacock@abcwua.org
X_Link		Complaint type	Sewage	Inspector	GS
Facility_Contac	DISTRICT MANAGER			Facility_Ph_No	808-313-9439
Suspected_Facility	CHURCH'S CHICKEN			EVENT_ID	1112
is it in gis	0				

Complaint	CHURCHES IS BACKING UP AGAIN FROM A CLEAN OUT.
Field Observation	THE MANAGER CLOSED THE BUSINESS UNTILL THE GREASE TRAP IS FIXED.
Initial Action	THE MANAGER WILL INFOR US WHEN THE LINE IS FIXED.

Address	2611 BROADBENT PARKWAY NE

Inspection Date	8/11/2022			Reporting_Date	8/8/2022
Customer	ROGER PEERY	SOURCE	MS4COM	311CASE_ID	MS4COMPLIANCE
Customer_Ph	280-1994			e_mail	rpeery@shomaker.com
X_Link		Complaint type	Trash	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	ARROYO			EVENT_ID	1113
is it in gis	-1				

Complaint	THERE IS A MASSIVE AMOUNT OF ILLEGAL DUMPING OF TRASH, CHEMICALS, AND HUMAN WASTE AT THE 3 CULVERTS
Field Observation	A LOT OF DEBRIS AND TRASH WERE AT THIS LOCATION
Initial Action	SOILID WASTE DEPT REMOVED ALL THE TRASH AND DEBRIES.

Address	9004 SUNFISH SW

Inspection Date	12/5/2022			Reporting_Date	8/9/2022
Customer	SEECLICKFIX	SOURCE	311	311CASE_ID	220809-000463
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	OIL	Inspector	SK
Facility_Contac	RESIDENT	Facility_Ph_No			na
Suspected_Facility	HOME	EVENT_ID	1114	is it in gis	-1

Complaint	ILLEGAL OIL STORAGE DISPOSE OF IMPROPERLY
Field Observation	THERE WAS A BUCKET OF OIL WITH COVER ON IT AT THIS ADDRESS
Initial Action	NOBODY WAS HOME, LEFT POLLUTION PREVENTION BROCHURES AT THIS ADDRESS

Address	**6200 EUBANK**

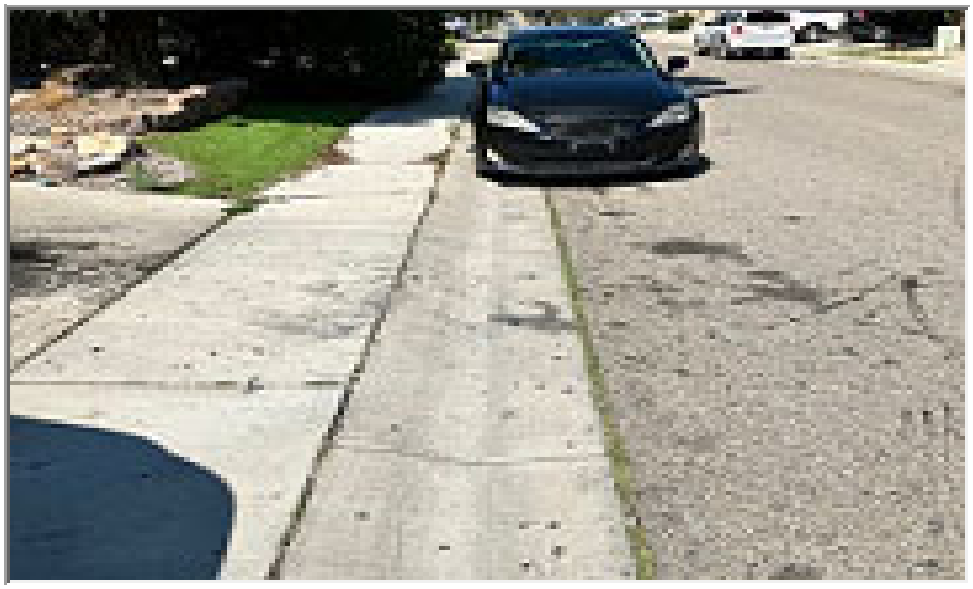
Inspection Date	8/11/2022			Reporting_Date	8/9/2022
Customer	WILLIAM WILKINSO	SOURCE	311	311CASE_ID	220809-001568
Customer_Ph	401-2123			e_mail	mailto:wilkinsonwilliam86
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	PARKING LOT			EVENT_ID	1115
is it in gis	-1				

Complaint	CAR LEAKING GAS INTO THE PARKING LOT. MERCURY MILAN/SILVER, LIC 947SYM. GAS FILLING UP A CARDBOARD BOX UNDERNEATH. FIRE RESCUE WAS CALLED AND THEY DECLINED TO COME OUT.
Field Observation	THE CAR HAS BEEN TOWED AWAY
Initial Action	THE CAR HAS BEEN TOWED AWAY

Address	7320 DANCING EAGLE NE

Inspection Date	8/25/2022			Reporting_Date	8/22/2022
Customer	HEATHER SANCHEZ	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	459-1940			e_mail	heathersanchez7rivers@ou
X_Link		Complaint type	Hazardous Material	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1116
is it in gis	-1				

Complaint	MY NEIGHBOR IS LEAKING AND DUMPING OIL AND CHEMICALS INTO THE ROAD AND GUTTERS IN THE NEIGHBORHOOD
Field Observation	THERE WERE OIL SPOTS ON THE STREET AT THIS ADDRESS
Initial Action	INSPECTOR ASKED THE RESIDENT TO CLEAN UP THE AREA AND GAVE THEM POLLUTION PREVENTION BROCHURES.



Address	1251 ORTIZ DR SE

Inspection Date	8/25/2022			Reporting_Date	8/24/2022
Customer	IRENE KEE	SOURCE	311	311CASE_ID	220824-000697
Customer_Ph	480-6162			e_mail	ikee5759@gmail.com
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	STREET	EVENT_ID	1117	is it in gis	-1

Complaint	POSSIBLE GASOLINE ON THE STREET BY THE BUILDING, CALLER STATES IT SMELLS LIKE IT IS GAS
Field Observation	IT WAS COVERED WITH SAND
Initial Action	NO ACTION

Address	MURPHY EXPRESS GAS STATION AT 9700 MONTGOMERY NE

Inspection Date	8/26/2022			Reporting_Date	8/26/2022
Customer	KEN WORMSER	SOURCE	311	311CASE_ID	220826-001641
Customer_Ph	299-8800			e_mail	longleashonlife@gmail.com
X_Link		Complaint type	Construction	Inspector	GS
Facility_Contac	MANAGER			Facility_Ph_No	318-473-2100
Suspected_Facility	MURPHY EXPRESS GAS STATION			EVENT_ID	1118
is it in gis	-1				

Complaint	REQUESTING TO HAVE THE MESH COVERING REMOVED AT THE TWO INLETS. THE CONSTRUCTION WAS DONE A YEAR AGO
Field Observation	SWPPP BMP WERE COVERING TWO INLETS
Initial Action	THE MANAGER SAID HE WILL REMOVE THEM

Address	10428 WOODQUAIL NW

Inspection Date	8/29/2022			Reporting_Date	8/26/2022
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	220826-001880
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Sewage	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	RV			EVENT_ID	1119
is it in gis	-1				

Complaint	RV DUMPED THEIR WASTE INTO THE INLET AREA.
Field Observation	RV WAS PARKED AT THIS ADDRESS. THE RESIDENT PUT A NEW TANK ANT HE WAS TESTING IT USING CLEAN WATER.
Initial Action	THE RESIDENT REMOVED THE OUTLET PIPE.

Address	9516 CHASE RANCH SW

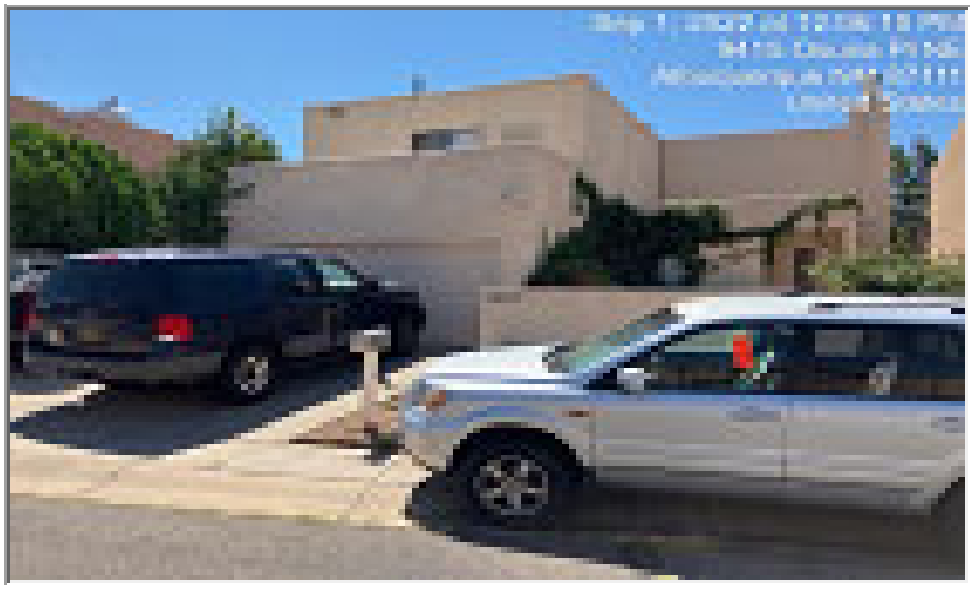
Inspection Date	9/1/2022			Reporting_Date	8/27/2022
Customer	MARCOS BUSTILLOS	SOURCE	311	311CASE_ID	220827-001208
Customer_Ph	610-4463			e_mail	marcosbustillos21@gmail.c
X_Link		Complaint type	Grey Water	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1120
is it in gis	-1				

Complaint	HIS NEIGHBOR DRAINING HIS POOL TO THE STREET
Field Observation	THE INSPECTOR DID NOT SEE ANY WATER COMING OUT OF THIS PROPERTY.
Initial Action	INSPECTOR SPOKE TO THE RESIDENT AND ASKED HIM NOT TO DISCHARGE ANY WATER TO THE STREET. HE GAVE HIM SOME POLLUTION PREVENTION BROCHURES.

Address	9418 OSUNA NE

Inspection Date	9/1/2022			Reporting_Date	8/31/2022
Customer	AZIZA CHAVEZ	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	768-3106			e_mail	azizachavez@cabq.gov
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA	Facility_Ph_No			na
Suspected_Facility	STREET	EVENT_ID	1121	is it in gis	-1

Complaint	ABANDONED CAR LEAKING BRAKE FLUID
Field Observation	ABANDONED CAR PARKED AT THIS ADDRESS
Initial Action	APD RED TAGED THE CAR. INSPECTOR COVERED THE OIL SPOTS WITH ABSORBENT



Address	1520 JUAN TABO - CHAMPION CAR WASH

Inspection Date	9/12/2022			Reporting_Date	9/1/2022
Customer	JACK DENISON	SOURCE	311	311CASE_ID	220901-000482
Customer_Ph	459-0056			e_mail	jack.denison1944@gmail.c
X_Link		Complaint type	Sewage	Inspector	GS
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	CHAMPION CAR WASH			EVENT_ID	1122
is it in gis	-1				

Complaint	RV PARKED IN THE BACK ON THE NORTHSIDE OF THE DEALERHIP, THE RV HAS THE SEWER JUST LEAKING OUT EVERYWHERE.
Field Observation	THERE WAS AN RV ON THE PROPERTY AS TEMPORARY ON SITE CONSTRUCTION OFFICE WITH A PIPE CONNECTED TO IT DISCHARGING TO THE ALLEY.
Initial Action	INSPECTOR ASKED THE MANAGER TO REMOVE THE PIPE AND STOP DISCHARGING ANY WATER TO THE ALLEY AND HE AGREED TO DO SO.

Address	5823 BELLAMAH NE

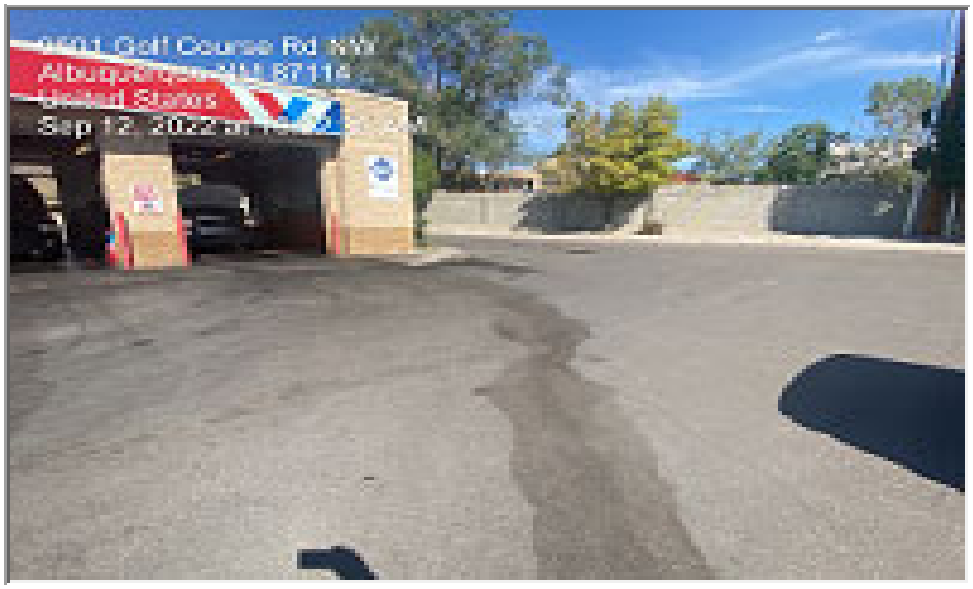
Inspection Date	9/14/2022			Reporting_Date	9/2/2022
Customer	APRIL SMITH	SOURCE	311	311CASE_ID	220902-001444
Customer_Ph	907-4214			e_mail	makupmadden@gmail.com
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	STREET	EVENT_ID	1123	is it in gis	-1

Complaint	TRASH TRUCK LEFT THIS GREASY SUBSTANCE AT HIS CURB AND IT GETS TRACKED UP INTO HIS DRIVEWAY AND THEN IT GETS TRACKED INTO HIS HOME. CALLER IS VERY UPSET AND WANTS A CALL BACK.
Field Observation	THERE WETE SEVERAL SMALL OIL SPOTS ON THE STREET
Initial Action	FORWARDED TO STREETS SWEEPING

Address	VALVOLINE OIL SHOP AT 9501 GOLF COURSE NW

Inspection Date	9/12/2022			Reporting_Date	9/8/2022
Customer	MICHELLE KLEIN	SOURCE	311	311CASE_ID	220908-001429
Customer_Ph	521-2043			e_mail	
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	VALVOLINE OIL			EVENT_ID	1124
is it in gis	-1				

Complaint	CALLER SAID THERE MOTOR OIL COMING FROM VALVOLINE OIL CHANGE STORE AT INCIDENT ADDRESS. THE MOTOR OIL IS ON THE SIDEWALK AND GUTTER. CALLER SAID THE CITY RECENTLY CITED THIS STORE FOR MOTOR OIL.
Field Observation	THERE WERE A LOT OF OIL STAINING AT THIS AREA
Initial Action	THE MANAGER SAID HE WILL DO A PROFESSIONAL CLEANING OF THE AREA



Address	5720 LA ANITA NW

Inspection Date	9/15/2022			Reporting_Date	9/15/2022
Customer	MARGUERITE AGNE	SOURCE	311	311CASE_ID	220915-001414
Customer_Ph	720-7865			e_mail	realckppl@gmail.com
X_Link		Complaint type	Grey Water	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1125
is it in gis	-1				

Complaint	PERSON AT LOCATION WASHING TRASH CARTS BY THE GUTTER AND WASTE WATER IS GOING INTO THE GUTTER
Field Observation	THERE WAS A SMALL WATER PONDING IN FRONT OF CALLER HOME
Initial Action	INSPECTOR ASKED THE HOME RESIDENT NOT TO WASH THE TRASH BIN IN THE STREET IN THE FUTURE.

Address	ARNO AND MARQUETTE

Inspection Date	9/15/2022			Reporting_Date	9/15/2022
Customer	SHELLIE EATON	SOURCE	PH	311CASE_ID	PH
Customer_Ph				e_mail	
X_Link		Complaint type	Grey Water	Inspector	SK
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	LOW INCOME HOUSING			EVENT_ID	1126
is it in gis	-1				

Complaint	WATER RUNNING TO BROADWAY FROM THIS COMPLEX
Field Observation	IT WAS A BROKEN WATER PIPES
Initial Action	THE MANAGER IS IN THE PROCESS OF REPAIRING THE BROKEN WATER LINE

Address	12021 DONNA CT NE

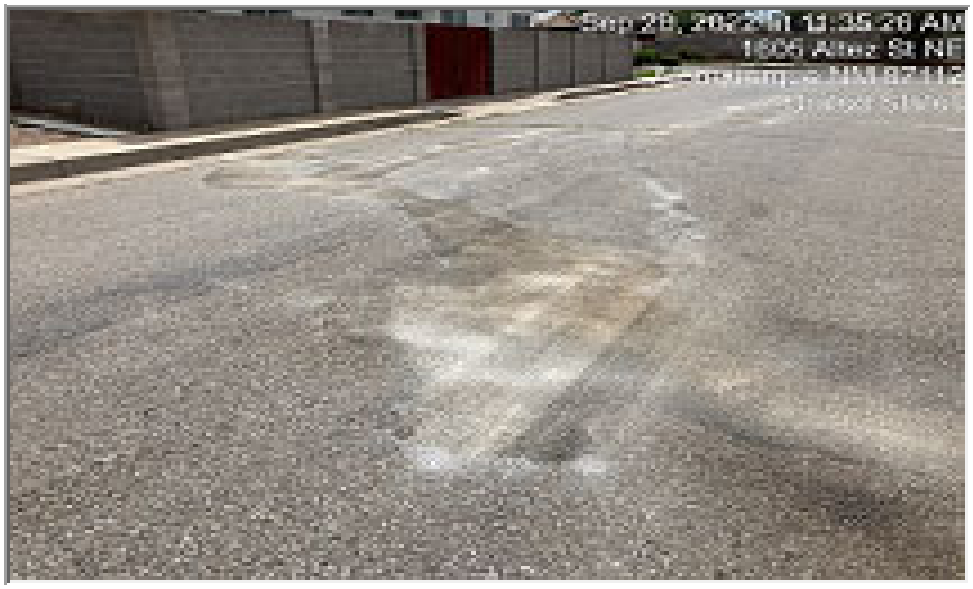
Inspection Date	9/20/2022			Reporting_Date	9/16/2022
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	220916-000814
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Construction	Inspector	GS
Facility_Contac	MANAGER			Facility_Ph_No	891-0100
Suspected_Facility	ROADRUNNER CONCRETE			EVENT_ID	1127
is it in gis	-1				

Complaint	PROFESSIONAL CONCRETE COMPANY WITH PINK TRUCKS AT SITE ADDRESS, DUMPING CONCRETE INTO THE GUTTER. CALLER STATES THIS IS 3RD TIMES IT'S HAPPENED, AND ASKING FOR SOMEONE TO COME OUT BEFORE END OF DAY TODAY
Field Observation	THERE WERE DRY CEMENT RESIDUE AT THIS AREA
Initial Action	INSPECTOR ASKED THE MANAGER NOT TO WASH THE CEMENT ON THE CITY R/W

Address	1605 ALTEZ NE

Inspection Date	9/20/2022			Reporting_Date	9/19/2022
Customer	DORA MONTOYA	SOURCE	311	311CASE_ID	220919-002201
Customer_Ph	269-1090			e_mail	
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	STREET			EVENT_ID	1128
is it in gis	-1				

Complaint	DIESL SPILL IN ROAD IN FRONT OF HOUSE
Field Observation	THE SPILL WERE COVERED WITH OIL ABSORBENT
Initial Action	FORWARDED TO STREET FOR CLEANING



Address	1020 CHELWOOD PARK NE

Inspection Date	10/11/2022			Reporting_Date	10/10/2022
Customer	STEFAN YEAZUS	SOURCE	311	311CASE_ID	221010-000371
Customer_Ph	353-0408			e_mail	uri.yeazus@gmail.com
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1129
is it in gis	-1				

Complaint	BLACK CONTAINER FULL OF OIL ABOUT 20FT IN FROM THE SIDEWALK ON PRIVATE PROPERTY
Field Observation	THERE WAS AN OPEN CONTAINER CONTAINING USED OIL ON THE PRIVATE PROPERTY
Initial Action	THE RESIDENT DID NOT ANSWER THE DOOR BELL.

Address	5216 VALLE VISTA NW

Inspection Date	10/19/2022			Reporting_Date	10/12/2022
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	221012-000315
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Sewage	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1130
is it in gis	-1				

Complaint	MOTORHOME PARKED IN FRONT OF HOME-SEWER COMING OUT OF IT AND IT'S GOING ON THE GUTTER AND SIDEWALK
Field Observation	NO EVIDENCE OF SEWER LEAKAGE FROM RV ON SITE. HOMEOWNER NOT ON SITE
Initial Action	LEFT COA FISH BROCHURE, CITING COA ORDINANCE AND EDUCATION REGARDING ILLICT DISCHARGES.

Address	ARBY'S AT 1416 MERCANTILE NE

Inspection Date	11/8/2022			Reporting_Date	10/20/2022
Customer	ANDREW GONZALES	SOURCE	311	311CASE_ID	221020-000748
Customer_Ph	322-0318			e_mail	mt.dukecity@gmail.com
X_Link		Complaint type	Cooking Grease	Inspector	SK
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	ARBY'S RESTURANT			EVENT_ID	1131
is it in gis	-1				

Complaint	GREASE SPILLED ALL OVER PARKING LOT AND EMPLOYEE WAS SPRAYING IT OUT ONTO THE STREETS MAKING STREETS SAFETY ISSUE . CAR HIT GREASE AND RAN INTO CURB NO INJURY FROM THAT.
Field Observation	THE SPILL HAS BEEN CLEAND UP
Initial Action	LEFT POLLUTION PREVENTION BROCHURES WITH THE MANAGER

Address	POLICE DEPT BUILDING AT 401 MARQUETTE NW

Inspection Date	10/25/2022			Reporting_Date	10/25/2022
Customer	MCCONNELL MARK	SOURCE	DRIVE BY	311CASE_ID	DRIVE BY
Customer_Ph				e_mail	
X_Link		Complaint type	Construction	Inspector	MC
Facility_Contac	SUPERINTENDENT			Facility_Ph_No	
Suspected_Facility	POLICE DEPT BUILDING			EVENT_ID	1132
is it in gis	-1				

Complaint	WATER LEAVING CONSTRUCTION SITE
Field Observation	WATER LEAVING CONSTRUCTION SITE
Initial Action	INSPECTOR ASKED THE SUPERINTENDENT TO STOP RELEASING WATER TO THE STREET AND THEY DID.

Address	WECKS AT 3913 LOUISIANA NE

Inspection Date	11/1/2022			Reporting_Date	10/27/2022
Customer	BAIRD SWANSON	SOURCE	311	311CASE_ID	221027-000661
Customer_Ph	306-8433			e_mail	waterq2@aol.com
X_Link		Complaint type	Sewage	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	WECKS			EVENT_ID	1133
is it in gis	-1				

Complaint	REQUEST FOR CLEAN UP OF RAW SEWAGE. ON LOUISIANA AND MONTGOMERY SOUTH WEST CORNER BEHIND WECKS. STATES NEEDS TO BE CLEANED UP FOR RAW SEWAGE.
Field Observation	THERE WAS NO ACTIVE RAW SEWAGE FLOW AT THE SITE.
Initial Action	NO ACTION

Address	7030 HOLLY NE

Inspection Date	11/4/2022			Reporting_Date	10/28/2022
Customer	SEECLICKFIX	SOURCE	311	311CASE_ID	221028-001610
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	NA			EVENT_ID	1134
is it in gis	-1				

Complaint	ENGINE OIL SPILL ON DIRT IN FIELD BEHIND THE AUTO ZONE BETWEEN LOUISIANA AND WYOMING ON HOLLY
Field Observation	THERE WAS A BROKEN DOWN TRUCK IN THE MIDDLE OF THE VACANT LOT WITH THE TRANSMISSION AND DRIVE TRAIN LAYING ON THE GROUND.
Initial Action	INSPECTOR GAVE THE TRUCK OWNER SOME POLLUTION PREVENTION BROCHURES.

Address	AUTO ZONE AT 507 AVANIDA CESAR CHAVEZ SW

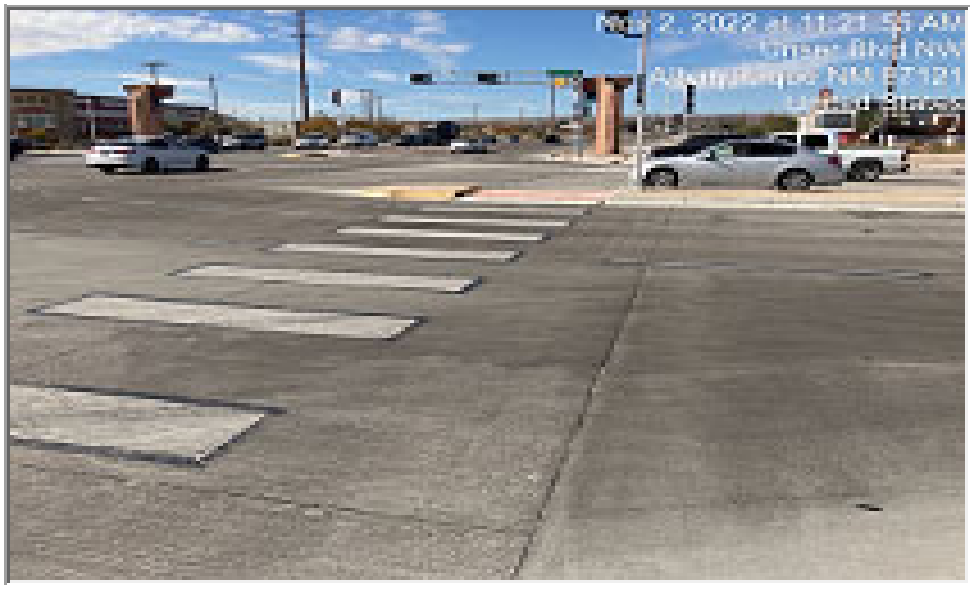
Inspection Date	11/2/2022			Reporting_Date	10/31/2022
Customer	MIGUEL GARCIA	SOURCE	311	311CASE_ID	221031-000881
Customer_Ph	450-2455			e_mail	
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	AUTO ZONE			EVENT_ID	1135
is it in gis	-1				

Complaint	AT THE TRASH BIN SIDE OF THE TRSH BIN APPROXIMATELY 30 CONTAINERS OF USED ANTIFREEZE AND USED OIL GALLON CONTAINERS THAT ARE LEAKING
Field Observation	THERE WERE LARGE AMOUNT OF USED OIL CONTAINERS NEAR THE TRASH BIN. THE MANAGER STATED THAT THE PUBLIC LEAVE THESE CONTAINERS HERE WITH OUT THEIR PERMISSION.
Initial Action	THE MANAGER SAID THAT THEY WILL CLEAN IT UP.

Address	UNSER AND CENTRAL

Inspection Date	11/2/2022			Reporting_Date	10/31/2022
Customer	ANDREW TRUJEQUE	SOURCE	311	311CASE_ID	221031-000900
Customer_Ph	620-2223			e_mail	na
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	NA			EVENT_ID	1136
is it in gis	-1				

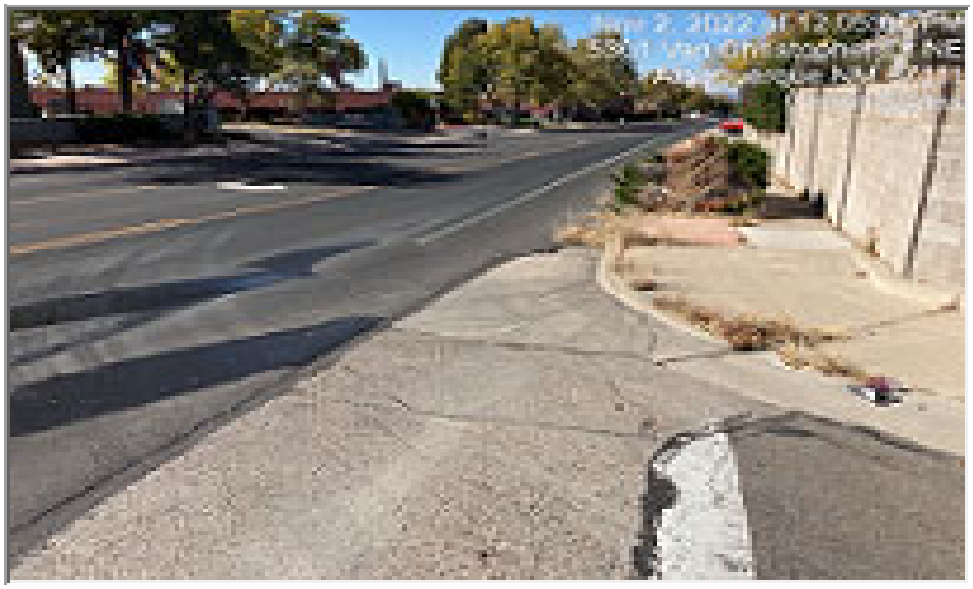
Complaint	OIL PAN DROPPED ON THE STREET AT UNSER BLVD AND CENTRAL LEAKING NORTH WEST SIDE OF ROAD NEXT TO MEDIAN.
Field Observation	INSPECTOR DID NOT SEE ANY CONTAINER, PROBABLY IT WAS REMOVED BY SOMEONE.
Initial Action	NO ACTION



Address	SPAIN AND VAN CHRISTOPHER NE

Inspection Date	11/2/2022			Reporting_Date	11/1/2022
Customer	CATHY ARTHUR	SOURCE	311	311CASE_ID	221101-001997
Customer_Ph	293-6978			e_mail	na
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	STREET			EVENT_ID	1137
is it in gis	-1				

Complaint	OIL SPILL ON SPAIN RIGHT HAND LANE
Field Observation	INSPECTOR DID NOT SEE ANY OIL SPILL
Initial Action	NO ACTION



Address	1204 CASA ROJA PL NW

Inspection Date	11/4/2022			Reporting_Date	10/23/2022
Customer	ANONYMOUS	SOURCE	PH	311CASE_ID	PH
Customer_Ph	681-6108			e_mail	na
X_Link		Complaint type	Sewage	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	RV			EVENT_ID	1138
is it in gis	-1				

Complaint	THERE'S A GENTLEMAN PARKED IN FRONT OF 1204 COSTA PROFILE PLACE NW. HE'S DUMPING HIS SEWAGE IN THE STREET FROM HIS R V HE'S BEEN PARKED THERE ALL WEEKEND.
Field Observation	INSPECTOR DID NOT OBSERVE ANY SEWAGE AT THIS SITE OR THE RV.
Initial Action	NO ACTION

Address	PAN AMERICAN FRWY AND FOREST HILLS NE

Inspection Date	11/9/2022			Reporting_Date	11/7/2022
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	221107-000535
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Hazardous Material	Inspector	SK
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	VACANT LAND			EVENT_ID	1139
is it in gis	-1				

Complaint	5 CITY SPRAY TRUCKS ARE DRAINING FROM THE TANKS ON TO THE DIRT THAT GOES INTO THE DRAINS BY PRESBYTERIAN PROPERTY.
Field Observation	UNABLE TO LOCATE THE SPILL SITE OR THE OWNER OF THE TRUCKS
Initial Action	NO ACTION

Address	I-40 RAMP AND COORS NW

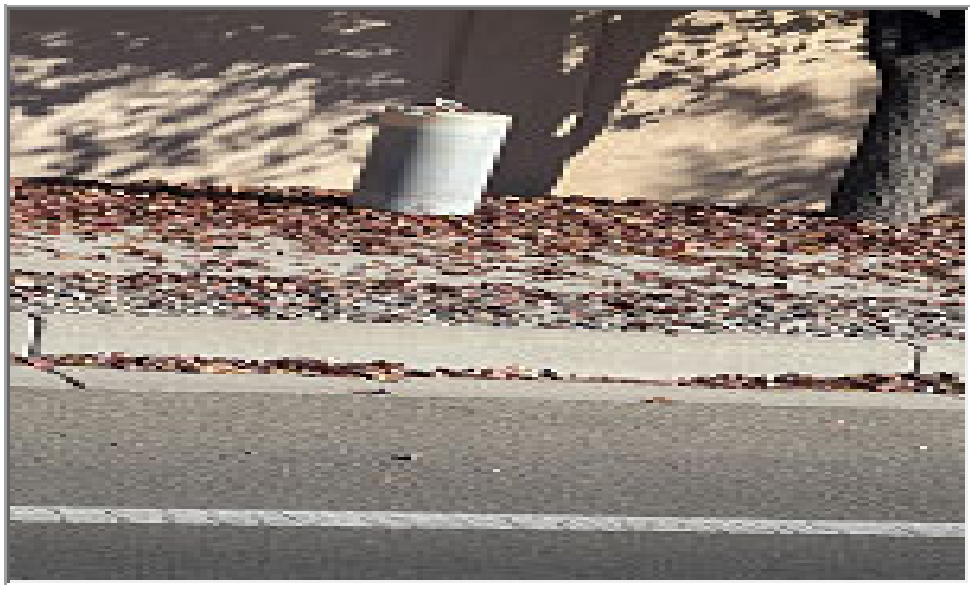
Inspection Date	11/17/2022			Reporting_Date	11/8/2022
Customer	CAROLYN WOOLCOT	SOURCE	311	311CASE_ID	221108-001010
Customer_Ph	999-7771			e_mail	carolynwoolcott@msn.com
X_Link		Complaint type	Hazardous Material	Inspector	GS
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	BUSINESS			EVENT_ID	1140
is it in gis	-1				

Complaint	THERE IS BAG OF EXCREMENT THAT HAS BEEN STOPPED AND SPREAD ALL OVER. THE MESS IS BY THE FRONT DOOR ON THE SIDEWALK IN FRONT R GREENLEAF WHICH IS BETWEEN WAL MART AND HOME DEPOT
Field Observation	THIS IS ON A PRIVATE PROPERTY
Initial Action	THE BUSINESS SHOULD HIAR A HAZARDOUS WASTE REMEDIATION COMPANY FOR CLEAN UP.

Address	86TH AND TOWER SW

Inspection Date	11/17/2022			Reporting_Date	11/16/2022
Customer	GLORIA ARMIJO	SOURCE	311	311CASE_ID	221116-000471
Customer_Ph	357-9848			e_mail	oreocat57@gmail.com
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	SIDEWALK	EVENT_ID	1141	is it in gis	-1

Complaint	LARGE (3-5 GALLON) WHITE BUCKET OF OIL AT INTERSECTION CALLER CONCERNED THAT BUCKET WILL BE SPILLED INTO THE STREET
Field Observation	
Initial Action	ASKED SOLIDWASTE DEPT TO PICK UP THE USED OIL CONTAINER



Address	VENTURA AND PDN NE

Inspection Date	11/18/2022			Reporting_Date	11/18/2022
Customer	SHELLIE EATON	SOURCE	PH	311CASE_ID	PH
Customer_Ph	768-2774			e_mail	seaton@cabq.gov
X_Link		Complaint type	OIL	Inspector	SK
Facility_Contac	NA	Facility_Ph_No			na
Suspected_Facility	SIDEWALK	EVENT_ID	1142	is it in gis	-1

Complaint	OIL SPILL ON SIDEWALK
Field Observation	OIL SPILL ON SIDEWALK
Initial Action	I COVERED THE OIL SPILL WITH ABSORBENT

Address	5805 NIGHT WHISPER NW

Inspection Date	11/30/2022			Reporting_Date	11/29/2022
Customer	CONNIE	SOURCE	WEB	311CASE_ID	WEB
Customer_Ph	923-0027			e_mail	consuelosalas00@yahoo.co
X_Link		Complaint type	Sewage	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	RV			EVENT_ID	1143
is it in gis	-1				

Complaint	AN RV IS DUMPING SOMETHING IN THE DRAINAGE. THERE IS A BLACK HOSE CONNECTED TO THE RV DIRECTLY IN THE DRAINAGE.
Field Observation	THERE WAS A PIPE COMING OUT FROM RV TO STORM INLET.NO DISCHARGE OBSERVED
Initial Action	I SPOKE TO THE RESIDENT AND HE TOLD ME THAT HE PUT THE PIPE TO PROTECT FROM FREEZING AND HE NEVER DUMPED ANY THING TO STORM DRAIN. HE DID REMOVE THE PIPE

Address	9004 SUNFISH SW

Inspection Date	11/30/2022			Reporting_Date	11/30/2022
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	221130-000904
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Dog Poops	Inspector	SK
Facility_Contac	RESIDENT	Facility_Ph_No			
Suspected_Facility	HOME	EVENT_ID	1144	is it in gis	-1

Complaint	PERSON DUMPING DOG POOP INTO STORM DRAIN
Field Observation	NOBODY WAS HOME. THERE WERE NO DOG POOPS IN THE INLET
Initial Action	DISTRIBUTED POLLUTION PREVENTION BROCHURES AT THIS NEIGHBORHOOD

Address	6516 CAMINO DEL OESTE NE

Inspection Date	12/9/2022			Reporting_Date	12/9/2022
Customer	ROD YAKSICH	SOURCE		311CASE_ID	221209-000051
Customer_Ph	681-7612			e_mail	na
X_Link		Complaint type	Paint	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1145
is it in gis	-1				

Complaint	PAINT DUMPED GOING INTO INLET GRATE
Field Observation	I DID NO SEE ANY PAINT TRACK ALONG THE GUTTER AT THIS NEIGHBORHOOD
Initial Action	DISTRIBUTED POLLUTION PREVENTION BROCHURES AT THIS NEIGHBORHOOD

Address	ATRISCO AND MIAMI NW

Inspection Date	12/23/2022			Reporting_Date	12/23/2022
Customer	CORINNE BERENDT	SOURCE	311	311CASE_ID	221223-000595
Customer_Ph	539-5321			e_mail	mailto:corinne239@comca
X_Link		Complaint type	OIL	Inspector	SK
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	PARKING LOT	EVENT_ID	1146	is it in gis	-1

Complaint	LEAKING 10 GALLON BETWEEN THE WALMART PARKING LOT AND BETWEEN THE CAT WALK (NO ACCESS BUT STRUCTURE)
Field Observation	IT WAS GONE, PROBABLY SOMEONE PICKED IT UP.
Initial Action	NO ACTION

Address	9734 WESTERN AV SW

Inspection Date	12/28/2022			Reporting_Date	12/26/2022
Customer	ROBERT POTTER	SOURCE	311	311CASE_ID	221226-000729
Customer_Ph	232-2486			e_mail	hvac87108356@yahoo.co
X_Link		Complaint type	OIL	Inspector	SK
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	STREET	EVENT_ID	1147	is it in gis	-1

Complaint	TRAIL OF MOTOR OIL FROM WESTERN AVE SW AND W SKY ST SW LEADING TO THE ADDRESS / BLACK STREAM OF OIL WB
Field Observation	THERE WAS A BROKEN CAR CAUSED OIL SPILL AROUND THIS AREA
Initial Action	I COVERED THE SPOTS WITH ABSORBENT AND DISTRIBUTED POLLUTION PREVENTION BROCHURES

Address	**10212 MCKNIGHT NE**

Inspection Date	12/28/2022			Reporting_Date	12/27/2022
Customer	RICK SHEAN-NMED	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	629-6494			e_mail	Rick.Shean@env.nm.gov
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1148
is it in gis	-1				

Complaint	THE RESIDENTIAL PROPERTY IS SEEMINGLY BEING USED AS A BUSINESS PERFORMING CAR MAINTENANCE AND HAS SEVERAL OIL STAINS THAT ARE OBSERVABLE IN THE PICTURES BELOW. IS THERE SOMEONE IN THE CITY OR COUNTY WHO CAN RESPOND TO THIS TYPE OF SITUATION?
Field Observation	THERE ARE A LOT OF OIL SPOTS AT THIS AREA.NOBODY WAS HOME.
Initial Action	LEFT POLLUTION PREVENTION BROCHOURES AT THIS RESIDENT.CODE ENFORCEMENT SITE THIS HOME FOR VOILATION.

Address	420 WASHINGTON SE

Inspection Date	1/4/2023			Reporting_Date	1/3/2023
Customer	BARBARA JACINTO	SOURCE	311	311CASE_ID	230103-000894
Customer_Ph	255-4201			e_mail	mailto:barbj@vossci.com
X_Link		Complaint type	OIL	Inspector	SK
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	SIDEWALK	EVENT_ID	1149	is it in gis	-1

Complaint	OIL IN THE GUTTER NEAR PROPERTY ADDRESS ON THE WESTSIDE OF BUILDING.
Field Observation	THERE WAS A BIG OIL SPILL SPOT ON THE SIDEWALK
Initial Action	COVERED THE OIL SPOTS WITH ABSORBENT.

Address	MONTECITO APARTMENTS AT 5800 HARPER NE

Inspection Date	1/19/2023			Reporting_Date	1/12/2023
Customer	GEORGE LUCERO	SOURCE	311	311CASE_ID	230112-001691
Customer_Ph	362-6966			e_mail	
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	APART MANAGER			Facility_Ph_No	821-1723
Suspected_Facility	MONTECITO APARTMENTS			EVENT_ID	1150
is it in gis	-1				

Complaint	SEMI OIL SPILLED IN THE STREET IN THE CUL DE SAC ON THE EAST AND WEST SIDE
Field Observation	THERE WERE SEVERAL OIL SPOTS UNDER THE TRUCK.
Initial Action	ASKED THE APARTMENT MANAGER TO CLEAN UP THE OIL SPOTS AND LEFT POLLUTION PREVENTION BROCHURES WITH THE MANAGER

Address	**507 CROMWELL SW**

Inspection Date	1/13/2023			Reporting_Date	1/12/2023
Customer	LEROY TORRES	SOURCE	311	311CASE_ID	230112-001720
Customer_Ph	569-2350			e_mail	
X_Link		Complaint type	Leaves	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	
Suspected_Facility	HOME			EVENT_ID	1151
is it in gis	-1				

Complaint	CALLER REPORTING PEOPLE AT ADDRESS, DUMPING ASHES IN THE DRAINAGE.
Field Observation	THERE WAS EVIDENCE OF BURNT LEAVES BEING THROWN INTO THE SW INLET
Initial Action	THE RESIDENT DENIED THROWING THE ASHES INTO THE INLET, BUT HE CLEANRD UP THE REMAINING ASHES. INSPECTOR DISTRIBUTED EDUCATIONAL MATERIAL AT THIS AREA.

Address	CEDAR BETWEEN COAL AND HAZELDINE SE

Inspection Date	1/12/2023			Reporting_Date	1/12/2023
Customer	KV	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph				e_mail	
X_Link		Complaint type	OIL	Inspector	SK, SL
Facility_Contac	SOLID WASTE			Facility_Ph_No	na
Suspected_Facility	STREET			EVENT_ID	1152
is it in gis	-1				

Complaint	OIL SPILL ON THIS AREA FROM VEHICLE BREAK DOWN
Field Observation	ALL THE OIL SPOTS WERE COVERED WITH ABSORBENT. ALSO, THERE WAS A SWEEPER ON THE SITE SWEEPING THE ABSORBENT.
Initial Action	CHECKED ALL THE INLETS ALONG THIS STORM LINE AND THEY WERE DRY AND NO OIL ENTERED THE INLETS

Address	10000 RANGE SW

Inspection Date	1/30/2023			Reporting_Date	1/28/2023
Customer	SEECLICKFIX	SOURCE	311	311CASE_ID	230128-000505
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1153
is it in gis	-1				

Complaint	OIL AND CAR PARTS ALL OVER
Field Observation	THERE WERE SEVERAL OIL SPOT AT THIS AREA
Initial Action	THE RESIDENT WAS NOT HOME, LEFT EDUCATUNAL MATERIAL AT THIS AREA.

Address	COURTESY PLUMBING AT 1216 PRINCETON NE

Inspection Date	1/30/2023			Reporting_Date	1/30/2023
Customer	KALI BRONSON-BC	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	934.3613			e_mail	kbronson@bernco.gov
X_Link		Complaint type	Construction	Inspector	GS
Facility_Contac	CONTRACTOR			Facility_Ph_No	
Suspected_Facility	COURTESY PLUMBING			EVENT_ID	1154
is it in gis	-1				

Complaint	I SAW THEM HOSING OFF THE STREET IN FRONT OF THE HOUSE AT THE END OF THE DAY. THERE'S SIGNIFICANT SEDIMENT LEFT IN THE STREET, ESPECIALLY IN FRONT OF THE HOUSE NEXT DOOR
Field Observation	THERE WERE DRY SEDEMENT ALONG THE GUTTER
Initial Action	THE CONTRACTOR SAID THAT THEY WILL SWEEP THE AREA. ALSO DISTRIBUTED EDUCTIONAL MATERIAL AT THIS NEIGHBORHOOD

Address	DE ANZA AND DEL RAY SW

Inspection Date	2/7/2023			Reporting_Date	2/7/2023
Customer	HERMAN GALLEGOS	SOURCE	MS4 CO	311CASE_ID	MS4 COMPLIANC
Customer_Ph	681-2767			e_mail	hgallegos@cabq.gov
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	VACANT LOT	EVENT_ID	1155	is it in gis	-1

Complaint	OPEN CONTAINER FILLED WITH MOTOR OIL
Field Observation	OPEN CONTAINER FILLED WITH MOTOR OIL
Initial Action	FORWARDED TO SOLID WASTE DEPT TO TAKE AN ACTION.

Address	6201 COPPER NE

Inspection Date	2/23/2023			Reporting_Date	2/23/2023
Customer	JEFF BOND	SOURCE	311	311CASE_ID	230223-000493
Customer_Ph	266-9091			e_mail	jbautoglass@yahoo.com
X_Link		Complaint type	OIL	Inspector	GS
Facility_Contac	NA	Facility_Ph_No			
Suspected_Facility	STREET	EVENT_ID	1156	is it in gis	-1

Complaint	OIL RUNNING IN STREET GUTTER FROM SIDE OF BUILDING GOING WESTBOUND
Field Observation	THERE WERE SEVERAL BIG OIL SPOTS AT THIS AREA, IT LOOKS LIKE THE OIL CAME FROM A BROKEN VEHICLE.
Initial Action	ASKED STREET MAINTENANCE FOR CLEAN UP.

Address	**800 JEWEL NE**

Inspection Date	3/1/2023			Reporting_Date	2/28/2023
Customer	ASHLEY CARRILLO	SOURCE	311	311CASE_ID	230228-001484
Customer_Ph	639-7262			e_mail	ash_marie87@icloud.com
X_Link		Complaint type	Cooking Grease	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	
Suspected_Facility	HOME			EVENT_ID	1157
is it in gis	-1				

Complaint	INDIVIDUAL IS DUMPING GREASE DOWN THE INLET. STATES IS BLACK AND NEEDS TO INVESTIGATED.
Field Observation	THERE WAS GREASE SPOT AT THIS INLET.
Initial Action	I DISTRIBUTED SOME POLLUTION PREVENTION BROCHURES AT THIS NEIGHBORHOOD. ALSO A GLUED NO DUMP SIGNS ON EACH OF THE 7 INLETS AT THIS AREA.

Address	**8709 HAMPTON NE**

Inspection Date	3/2/2023			Reporting_Date	3/1/2023
Customer	MARIO GONZALEZ	SOURCE	WEB	311CASE_ID	WEB
Customer_Ph	400-9883			e_mail	mgzelaznog@gmail.com
X_Link		Complaint type	Construction	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	STREET			EVENT_ID	1158
is it in gis	-1				

Complaint	WHITE POWDER MATERIAL DUMPED AROUND 8710 HAMPTON AVE NE - SEEMS SOME CONCRETE WORK WAS DONE AT THE WATER METER OR SIDEWALK . THE POWDER ACCUMULATED AT MY HOUSE AT 8409 - CAN YOU SEND A STREET SWEEPER TO CLEAN THE AREA?
Field Observation	THERE WAS WHITE RESIDUE ALONG THE GUTTER ORIGINATING FROM THIS ADDRESS. IT WAS THE CONTRACTOR WHO LET THE CONCRETE CUTTING GRINDING TO GO TO THE STREET.
Initial Action	I ASKED THE RESIDENT TO CONTACT THE CONTRACTOR TO CLEAN UP THE DRY RESIDUE.

Address	3323 PAINTED ROCK NW

Inspection Date	3/10/2023			Reporting_Date	3/10/2023
Customer	JASON GUTIERREZ-P	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	263-4480			e_mail	jasongutierrez@cabq.gov
X_Link		Complaint type	OIL	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1159
is it in gis	-1				

Complaint	THIS RESIDENT IS DRAINING RADIATOR FLUID ONTO THE STREET
Field Observation	THERE WERE SEVERAL OIL SPOTS AT THIS LOCATION.
Initial Action	I SPOKE TO THE RESIDENT AND ASKED TO CLEAN UP THE AREA. ALSO DISTRIBUTED EDUCTIONAL MATERIAL AT THIS NEIGHBORHOOD

Address	5120 5TH ST NW

Inspection Date	3/15/2023			Reporting_Date	3/13/2023
Customer	DIEGO RUBI	SOURCE	311	311CASE_ID	230313-001499
Customer_Ph	235-3708			e_mail	mailto:extrubi@hotmail.co
X_Link		Complaint type	OIL	Inspector	SK
Facility_Contac	NA	Facility_Ph_No		na	
Suspected_Facility	STREET	EVENT_ID	1160	is it in gis	-1

Complaint	SOMEONE SPILLED MOTOR OIL ON THE STREET AND WALL AND SIDEWALK AT ADDRESS PROVIDED
Field Observation	THERE WERE SEVERAL OIL SPOTS AT THIS INLET
Initial Action	I COVERED ALL THE OIL SPOTS WITH ABSORBENR AND DISTRIBUTED POLLUTION PREVENTION BROCURES AT THIS NEIGHBORHOOD

Address	INDIAN SCHOOL AND ALVARADO NE

Inspection Date	3/23/2023			Reporting_Date	3/21/2023
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	230321-001464
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Hazardous Material	Inspector	SK
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	STORM LINES			EVENT_ID	1161
is it in gis	-1				

Complaint	VEHICLE HAS A HOSE RUNNING INTO SEWER NEAR ALLEY DUMPING SOMETHING INTO THE SEWER. CALLER DOES NOT KNOW WHAT IS BEING DUMPED OR WHO VEHICLE BELONGS TO.
Field Observation	THERE WERE SEVERAL PAINTED MARKS FOR LOCATING SEWER LINES AND NO EVEDENCE OF ANY DUMPING
Initial Action	NO ACTION

Address	1016 JUAN TABO NE

Inspection Date	4/7/2023			Reporting_Date	4/6/2023
Customer	WA-MYRNA DUART	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	842-9287			e_mail	mduarte@abcwua.org
X_Link		Complaint type	Sewage	Inspector	SK
Facility_Contac	PROPERTY MANAGER			Facility_Ph_No	na
Suspected_Facility	PLAZA			EVENT_ID	1162
is it in gis	0				

Complaint	SEWER BACK AT THE PARKING LOT
Field Observation	SEWER CLEAN UP POINT WAS CLOGED AND SEWAGE WAS FLOWING OUT
Initial Action	CONTACTED THE PROPERTY MANAGER AND ASKED TO FIX IT. THE MANAGER SENT A PLUMBER AND UNPLUGED THE PIPE AND CLEANED UP ALL THE SEWAGE COVERED AREA.

Address	**4400 BOONE NE**

Inspection Date	4/13/2023			Reporting_Date	4/13/2023
Customer	ANONYMOUS	SOURCE	311	311CASE_ID	230413-000222
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Hazardous Material	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1163
is it in gis	0				

Complaint	STORM DRAIN CHEMICAL POLLUTION. THE BUSINESS WHERE THE THE POLLUTION IS HAPPENING IS DHA HYDE SPECIALIST.
Field Observation	I WENT TO THIS CALL YESTERDAY, IT WAS A MINOR DRY WHITE RESIDUE ON THE STREET AT THIS ADDRESS. I SPOKE TO THE RESIDENT AND HE TOLD ME HE JUST WASHED HIS FRONT DRIVEWAY.
Initial Action	I LEFT SOME EDUCATIONAL MATERIAL AT THIS NEIGHBORHOOD AND GLUED NO DUMPS SIGNS ON THE 4 INLETS AT THIS SITE.

Address	6225 AGATE NW

Inspection Date	4/20/2023			Reporting_Date	4/17/2023
Customer	JAMES JEFFERIES	SOURCE	311	311CASE_ID	230417-000549
Customer_Ph	235-4443			e_mail	mailto:jammar92@msn.co
X_Link		Complaint type	Leaves	Inspector	SK
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	UNKNOWN CONTRACTOR			EVENT_ID	1164
is it in gis	0				

Complaint	A CONTRACTOR BLEW YARD WASTE IN A STORM DRAIN
Field Observation	THERE WERE LITTLE AMOUNT OF LEAVES IN THE INLET
Initial Action	GLUED NO DUMP SIGN ON THE INLETS

Address	PINO DAM AT TRAMWAY AND ACADEMY NE

Inspection Date	4/19/2023			Reporting_Date	4/19/2023
Customer	SHELLIE EATON	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph				e_mail	
X_Link		Complaint type	Construction	Inspector	SK
Facility_Contac	DOUG HUGHES			Facility_Ph_No	
Suspected_Facility	ALLASO HIGH DESERT APPTS			EVENT_ID	1165
is it in gis	0				

Complaint	CONSTRUCTION DEBRIES ENTERING PINO DAM
Field Observation	THERE WAS A BIG CONSTRUCTION SITE WITH NO NPDES PERMIT
Initial Action	THE SITE OWNER/OPERATOR WILL RENEW THE PERMIT

Address	COFFEE SHOP AT COAL AND 4TH

Inspection Date	4/28/2023			Reporting_Date	4/28/2023
Customer	KALI BRONSON	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	537-3005			e_mail	mailto:kbronson@bernco.g
X_Link		Complaint type	Nusiance Water	Inspector	SK
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	COFFEE SHOP			EVENT_ID	1166
is it in gis	0				

Complaint	COFFEE AND OTHER LIQUIDS IN THE ROW OF 4TH ST
Field Observation	THERE WAS DRY DARK RESIDUE ALONG THE GUTTER AT THIS ADDRESS
Initial Action	I ASKED THE MANAGER TO CLEN UP THE GUTTER AND LEFT SOME EDUCTIONAL MATERIAL.

Address	215 ERBBE AND BUNE VISTA

Inspection Date	5/5/2023			Reporting_Date	5/4/2023
Customer		SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph				e_mail	
X_Link		Complaint type	Sewage	Inspector	SK
Facility_Contac		Facility_Ph_No			
Suspected_Facility		EVENT_ID	1167	is it in gis	0

Complaint	RV PARKED DUMPING SEWAGE TO STORM DRAIN
Field Observation	IT WAS A BROKEN RV, NO SEWAGE HAS BEEN DUMPED
Initial Action	COVERD THE AREA AROUND STORM INLET WITH OIL ABSORBENT AND GLUED NO DUMP SIGN ON THE ILETS NEAR BY. ALSO LEFT EDUCATIONAL MATERIAL WITH RV OWNER.

Address	CLAREMONT AND BROADWAY POND

Inspection Date	5/5/2023			Reporting_Date	5/5/2023
Customer	SHELLIE EATON	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph				e_mail	
X_Link		Complaint type	Trash	Inspector	SK
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	POND			EVENT_ID	1168
is it in gis	0				

Complaint	AROUND 50 TIRES WERE DUMPEN INSIDE THE POND
Field Observation	AROUND 50 TIRES WERE DUMPEN INSIDE THE POND
Initial Action	ASKED ARROYO MAINTENANCE TO REMOVE THEM

Address	SUBWAY AT 13110 CENTRAL SE

Inspection Date	5/10/2023			Reporting_Date	5/10/2023
Customer	WA-MYRNA DUART	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	289-3523			e_mail	mailto:mduarte@abcwua.o
X_Link		Complaint type	Sewage	Inspector	SK
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	SUBWAY			EVENT_ID	1169
is it in gis	0				

Complaint	SEWAGE WAS BUBBLING UP BEHIND THE RESTAURANT AND RUNNING DOWN THE STREET TO COCHITI RD SE.
Field Observation	THE PROBLEM GOT FIXED AND THE AREA WAS DRY.
Initial Action	ASKED THE MANAGER TO CLEN UP THE AREA AND GAVE THEM EDUCATIONAL MATERIAL

Address	**7900 LORRAINE NE**

Inspection Date	6/8/2023			Reporting_Date	6/6/2023
Customer	ANONYMOUS	SOURCE	WEB	311CASE_ID	WEB
Customer_Ph	NA			e_mail	na
X_Link		Complaint type	Dog Poops	Inspector	SK
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	DANCARE			EVENT_ID	1170
is it in gis	0				

Complaint	DOG WASHING WATER BEING DUMPED ON THE GROUND OUTSIDE THE BACK OF THE BUILDING. BUSINESS BEEN AROUND FOR A FEW YEARS. RECENT NAME CHANGE AND LLC.
Field Observation	THERE WAS SMALL WET SPOT AT THE BACK OF THE BUILDING. THEY DENIED DUMPING ANY WASTE OUTSIDE.
Initial Action	I GAVE THEM EDUCATIONAL MATERIAL

Address	**10613 SATELLITE NW**

Inspection Date	6/14/2023			Reporting_Date	6/10/2023
Customer	SEECLICKFIX	SOURCE	311	311CASE_ID	230610-000218
Customer_Ph	NA			e_mail	
X_Link		Complaint type	Paint	Inspector	SK
Facility_Contac	RESIDENT			Facility_Ph_No	na
Suspected_Facility	HOME			EVENT_ID	1171
is it in gis	0				

Complaint	PAINT WAS DUMPED IN THE GUTTER AT THIS ADDRESS AND TRAVELED SEVERAL HUNDRED FEET DOWN THE HILL TOWARDS SHOOTING STAR NW
Field Observation	THERE WAS SOME FAINT WHITE DRY RESIDUE ALONG THE GUTTER
Initial Action	THE RESIDENT DENIED DUMPING ANY PAINT, HE SAID HE JUST WASHED HIS DRIVEWAY. I DISTRIBUTED EDUCATIONAL MATERIAL AT THIS NEIGHBORHOOD

Address	MOBILE HOME PARK AT 10724 CENTRAL SE

Inspection Date	6/15/2023			Reporting_Date	6/13/2023
Customer	WA-ESPERANZA LO	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	289-3551			e_mail	mailto:elouissena@abcwua
X_Link		Complaint type	Sewage	Inspector	SK
Facility_Contac	MANAGER			Facility_Ph_No	na
Suspected_Facility	MOBILE HOME			EVENT_ID	1172
is it in gis	0				

Complaint	SEWAGE LEAKING FROM A MOBILE HOME
Field Observation	IT WAS FIXED, AND DRY
Initial Action	I LEFT EDUCATUANAL MATERIAL WITH THE MANAGER

Address	4101 PAN AMERICAN FRWT NW

Inspection Date	6/16/2023			Reporting_Date	6/15/2023
Customer	KALI BRONSON	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	364.3532			e_mail	kbronson@bernco.gov
X_Link		Complaint type	Hazardous Material	Inspector	SK
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	ARROYO			EVENT_ID	1173
is it in gis	0				

Complaint	HAZARDUS WASTE IN THE ARROYO
Field Observation	THERE WERE A LOT OF TRASH IN THE ARROYO. THIS ARROYO IS NMDOT PROPERTY
Initial Action	ASKED THE CALLER TO CONTACT NMDOT

Address	MOUNTAIN ROAD EAST OF 19TH ST NE

Inspection Date	6/21/2023			Reporting_Date	6/16/2023
Customer	NMED-STEPHEN CO	SOURCE	EMAIL	311CASE_ID	EMAIL
Customer_Ph	470-8495			e_mail	stephen.connolly@state.n
X_Link		Complaint type	Sewage	Inspector	SK
Facility_Contac	NA			Facility_Ph_No	na
Suspected_Facility	STREET			EVENT_ID	1174
is it in gis	0				

Complaint	RELEASE OF RAW SEWAGE FROM THE CITY SEWER PIPELINE. THE CAUSE OF RELEASE IS DUE TO WORK THAT IS BEING DONE
Field Observation	THERE WAS A BIG PROJECT FOR REPLACEMENT OF SANITARY SEWER ALONG THIS STREET CAUSING STRONG SMELL. THERE WAS NO SEWAGE SPILL TO THE STREET.
Initial Action	ASKED THE CONTRACTOR TO PROTECT STORM INLETS CLOSE TO THE TRENCH.