



Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
3. Application Materials



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Midcoast G&P (East Texas) L.P. (Midcoast) is requesting a new application under the Texas Pollutant Discharge Elimination System (TPDES) program. The Aker Gas Plant consists of an inlet gas separator, a slug catcher, an amine unit, a glycol dehydration unit, a low-pressure flare, a high-pressure flare, process tanks, a fire pump engine, a reverse osmosis (RO) system, and boilers. The RO system is used to treat pumped well water for impurities prior to use in the boiler system and to dilute the amine used in gas treating. The proposed water streams do not make direct contact with gas or the gas treating processes. Historically, all wastewater generated from the facility has been collected and hauled off to a permitted facility for disposal. The Aker Gas Plant is seeking a TPDES permit to directly discharge this wastewater to waters of the state.

Wastewater discharges from the facility are expected to contain reject water from the RO system and the blowdown from three boilers. The wastewater will be discharged through Outfall 001 an unnamed ditch, which joins the receiving waters of Greenbriar Creek, then to Tehuacana Creek, Segment 0804F. Midcoast will use a tank gauge to calculate the volume discharged from their wastewater tank. Potential pollutants are included in the permit application.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT

PROPOSED PERMIT NO. WQ0005460000

APPLICATION. Midcoast G & P (East Texas) L.P., 2020 Bill Owens Parkway, Suite 100, Longview, Texas 75604, which owns a natural gas processing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005460000 (EPA I.D. No. TX0146081) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 45,000 gallons per day. The facility is located approximately 1.5 miles southeast of the intersection of Farm-to-Market Road 416 and Southeast County Road 2380/County Road 181, near the city of Streetman, in Freestone County, Texas 75859. The discharge route is from the plant site to an unnamed creek, thence to Greenbriar Creek, thence to Tehuacana Creek, thence to Trinity River Above Lake Livingston. TCEQ received this application on May 21, 2024. The permit application will be available for viewing and copying at Fairfield Library, 350 West Main Street, Fairfield, in Freestone County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.223333,31.91&level=18>

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application.** If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105,

P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Midcoast G & P (East Texas) L.P. at the address stated above or by calling Mr. Jeffrey White, Senior Environmental Advisor, at 903-323-4350.

Issuance Date: June 19, 2024

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 21, 2024

Dear Applicant:

Re: Confirmation of Submission of the New Industrial Wastewater Individual Permit Application

This is an acknowledgement that you have successfully completed Industrial Wastewater Individual Permit Application.

ER Account Number: ER028136
Application Reference Number: 654634
Authorization Number: WQ0005460000
Site Name: Aker Plant
Regulated Entity: RN100222819 - AKER PLANT
Customer(s): CN603573817 - Midcoast G & P (East Texas) L.P.

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality**New Domestic or Industrial Individual Permit****Site Information (Regulated Entity)**

What is the name of the site to be authorized?	AKER PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM STREETMAN TRAVEL APPROXIMATELY 7.5 MI NE ON FM 416 TURN R ON FIRST PAVED RD AND TRAVEL 1.5 MI S TO PLANT ENTRANCE
City	STREETMAN
State	TX
ZIP	75859
County	FREESTONE
Latitude (N) (##.#####)	31.91
Longitude (W) (-###.#####)	-96.223333
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	211111
Secondary NAICS Code	

Regulated Entity Site Information

What is the Regulated Entity's Number (RN)?	RN100222819
What is the name of the Regulated Entity (RE)?	AKER PLANT
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM STREETMAN TRAVEL APPROXIMATELY 7.5 MI NE ON FM 416 TURN R ON FIRST PAVED RD AND TRAVEL 1.5 MI S TO PLANT ENTRANCE
City	STREETMAN
State	TX
ZIP	75859
County	FREESTONE
Latitude (N) (##.#####)	31.91
Longitude (W) (-###.#####)	-96.223333
Facility NAICS Code	211111
What is the primary business of this entity?	PROCESSING NATURAL GAS

Midcoas-Customer (Applicant) Information (Owner Operator)

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN603573817
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Midcoast G & P (East Texas) L.P.
Texas SOS Filing Number	801142362
Federal Tax ID	
State Franchise Tax ID	32039839033
State Sales Tax ID	
Local Tax ID	
DUNS Number	58417374
Number of Employees	
Independently Owned and Operated?	No
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Midcoast G & P (East Texas) L.P.
Prefix	
First	Julia
Middle	
Last	Knezek
Suffix	
Credentials	
Title	Senior Manager, EHS
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2020 BILL OWENS PKWY STE 100
Routing (such as Mail Code, Dept., or Attn:)	
City	LONGVIEW
State	TX
ZIP	75604
Phone (###-###-####)	9033234350
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	julia.knezek@momentummidstream.com

Billing Contact

Responsible contact for receiving billing statements:

Select the permittee that is responsible for payment of the annual fee.

CN603573817, Midcoast G & P (East Texas) L.P.

Organization Name

Midcoast G & P (East Texas) L.P.

Prefix

First

Jeffrey

Middle

Last

White

Suffix

Credentials

Title

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

2020 BILL OWENS PKWY STE 100

Routing (such as Mail Code, Dept., or Attn:)

City

LONGVIEW

State

TX

ZIP

75604

Phone (###-###-####)

9033234350

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

jeffrey.white@momentummidstream.com

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Billing Contact

Organization Name

Midcoast G & P (East Texas) L.P.

Prefix

First

Jeffrey

Middle

Last

White

Suffix

Credentials

Title

Senior Environmental Advisor

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2020 BILL OWENS PKWY STE 100
Routing (such as Mail Code, Dept., or Attn:)	
City	LONGVIEW
State	TX
ZIP	75604
Phone (###-###-####)	9033234350
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jeffrey.white@momentummidstream.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Application Contact
Organization Name	Midcoast G & P (East Texas) L.P.
Prefix	MR
First	Jeffrey
Middle	
Last	White
Suffix	
Credentials	
Title	Senior Environmental Advisor

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2020 BILL OWENS PKWY STE 100
Routing (such as Mail Code, Dept., or Attn:)	
City	LONGVIEW
State	TX
ZIP	75604
Phone (###-###-####)	9033234350
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jeffrey.white@momentummidstream.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report**Forms:**

Same as another contact?	Application Contact
Organization Name	Midcoast G & P (East Texas) L.P.
Prefix	
First	Jeffrey
Middle	
Last	White
Suffix	
Credentials	
Title	Senior Environmental Advisor
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2020 BILL OWENS PKWY STE 100
Routing (such as Mail Code, Dept., or Attn:)	
City	LONGVIEW
State	TX
ZIP	75604
Phone (###-###-####)	9033234350
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jeffrey.white@momentummidstream.com

Section 1# Permit Contact**Permit Contact#: 1****Person TCEQ should contact throughout the permit term.**

1) Same as another contact?	Application Contact
2) Organization Name	Midcoast G & P (East Texas) L.P.
3) Prefix	
4) First	Jeffrey
5) Middle	
6) Last	White
7) Suffix	
8) Credentials	
9) Title	Senior Environmental Advisor

Mailing Address

10) Enter new address or copy one from list

11) Address Type

Domestic

11.1) Mailing Address (include Suite or Bldg. here, if applicable)

2020 BILL OWENS PKWY STE 100

11.2) Routing (such as Mail Code, Dept., or Attn:)

11.3) City

LONGVIEW

11.4) State

TX

11.5) ZIP

75604

12) Phone (###-###-####)

9033234350

13) Extension

14) Alternate Phone (###-###-####)

15) Fax (###-###-####)

16) E-mail

jeffrey.white@momentummidstream.co
m

Public Notice Information

Individual Publishing the Notices

1) Prefix

2) First and Last Name

Jeffrey White

3) Credential

4) Title

Senior Environmental Advisor

5) Organization Name

6) Mailing Address

2020 BILL OWENS PKWY STE 100

7) Address Line 2

8) City

LONGVIEW

9) State

TX

10) Zip Code

75604

11) Phone (###-###-####)

9033234350

12) Extension

13) Fax (###-###-####)

14) Email

jeffrey.white@momentummidstream.co
m

Contact person to be listed in the Notices

15) Prefix

16) First and Last Name

Jeffery White

17) Credential

18) Title

Senior Environmental Advisor

19) Organization Name

20) Phone (###-###-####)

9033234350

21) Fax (###-###-####)

22) Email

jeffrey.white@momentummidstream.co
m**Bilingual Notice Requirements**

23) Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

No

Section 1# Public Viewing Information

County#: 1

1) County

FREESTONE

2) Public building name

Fairfield Library

3) Location within the building

4) Physical Address of Building

350 W Main

5) City

Fairfield

6) Contact Name

7) Phone (###-###-####)

9033893574

8) Extension

9) Is the location open to the public?

Yes

Owner Information

Owner of Treatment Facility

1) Prefix

2) First and Last Name

Jeffrey White

3) Organization Name

Midcoast G & P East Texas LP

4) Mailing Address

2020 Bill Owens Pkwy, Ste 100

5) City

Longview

6) State

TX

7) Zip Code

75604

8) Phone (###-###-####)

9033234350

9) Extension

10) Email

jeffrey.white@momentummidstream.co
m

11) What is ownership of the treatment facility?

Private

Owner of Land (where treatment facility is or will be)

12) Prefix

13) First and Last Name

Jeffrey White

14) Organization Name

Midcoast G & P East Texas LP

15) Mailing Address

2020 Bill Owens Pkwy, Ste 100

16) City

Longview

17) State	TX
18) Zip Code	75604
19) Phone (###-###-####)	9033234350
20) Extension	
21) Email	jeffrey.white@momentummidstream.com
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

Admin General Information

1) Is the facility located on or does the treated effluent cross American Indian Land?	No
2) What is the authorization type that you are seeking?	Industrial Wastewater
2.1) Are the discharges at your facility subjected to federal effluent limitation guidelines (ELG) 40 CFR Part 400-471?	No
3) What is your facility operational status?	Active
3.1) What is your facility operational start date?	01/01/1982
4) What is the classification for your authorization?	TPDES
4.1) City nearest the outfall(s):	Steetman
4.2) County where the outfalls are located:	FREESTONE
4.3) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
4.4) Is the daily average discharge at your facility of 5 MGD or more?	No
5) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	Yes
5.1) List each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:	Robert Robinson

Plain Language

1) Plain Language

[File Properties]

File Name	LANG_Attachment B Plain Language Summary - Aker Plant Rev.docx
Hash	89380905958467132C68B43B294FE624E6F60F0BBC4F32CD0C631846BC230DA4
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_SPIF - Aker Plant.pdf
Hash	915EBA76C6ECC8B459385AE887DD86E558CC4B43B0062E58ED46F315027E91DD
MIME-Type	application/pdf

Industrial Attachments

1) Have you clearly outlined and labeled the required information on the original full size USGS Topographic Map? Yes

1.1) I certify that I have clearly outlined and labeled the required information on the Topographic map and attached here.

[File Properties]

File Name	MAP_TX_Winkler_20190314_TM C6.pdf
Hash	AD6E02AD89DDFABC3282DB96F9B8D13647881FF225A0BEB4412D9AF9E244A527
MIME-Type	application/pdf

2) Public Involvement Plan (TCEQ Form 20960)

[File Properties]

File Name	PIP_Public Involvement Plan Form.pdf
Hash	B369ED71048209D641F790E6F14D5FC70E34B608D56D021794E41A273BAF5352
MIME-Type	application/pdf

3) Administrative Report 1.1

[File Properties]

File Name	ARPT_Admin Form - Aker Plant REV.pdf
Hash	F7585DBB6066EA90AC98264A59CD57C3518D4C1C1A65DCEE4ED4D4FA3D9095EF
MIME-Type	application/pdf

4) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment. Yes

4.1) I confirm that Worksheet 2.0 (Pollutant Analyses Requirements) is complete and included in the Technical Attachment. Yes

4.2) I confirm that Worksheet 4.0 (Receiving Waters) is complete and included in the Technical Attachment. Yes

4.3) Are you planning to include Worksheet 4.1 (Waterbody Physical Characteristics) in the Technical Attachment? No

4.4) Are you planning to include Worksheet 6.0 (Industrial Waste Contribution) in the Technical Attachment? No

4.5) Are you planning to include Worksheet 7.0 (Stormwater Discharges Associated with Industrial Activities) to the Technical Attachment? No

4.6) Are you planning to include Worksheet 8.0 (Aquaculture) in the Technical Attachment? No

4.7) Are you planning to include Worksheet 9.0 (Class V Injection Well No

Inventory/Authorization) in the Technical Attachment?

4.8) Are you planning to include Worksheet 10.0 (Quarries in the John Graves Scenic Riverway) in the Technical Attachment? No

4.9) Are you planning to include Worksheet 11.0 (Cooling Water System Information) in the Technical Attachment? No

4.10) Are you planning to include Worksheet 11.1 (Impingement Mortality) in the Technical Attachment? No

4.11) Are you planning to include Worksheet 11.2 (Source Water Biological Data) in the Technical Attachment? No

4.12) Are you planning to include Worksheet 11.3 (Entrainment) in the Technical Attachment? No

4.13) Technical Attachment

[File Properties]

File Name	TECH_Tech Report Form - Aker Plant REV2.pdf
Hash	B4A2354B82C1C518B7FAA21FE601FD919853EBFFEE18AD1A5ED38077AB0C2F94
MIME-Type	application/pdf

5) Affected Landowners Map

[File Properties]

File Name	LANDMP_Adj LO Map Final New.pdf
Hash	99E65442EEECDDA049889FF41E6274D918FF3E5510FDCAB0630AC1C936C81FD1
MIME-Type	application/pdf

6) Landowners Cross Reference List

[File Properties]

File Name	LANDCRL_Attachment D Adj LO Information.pdf
Hash	3344DCBBA1BF3D7FDBFEF5EBD8A30AD24EFD094132847118DB7610E19741127D
MIME-Type	application/pdf

7) Landowner Avery Template

[File Properties]

File Name	LANDAT_Aker Plant Adj LO Mailing Labels.docx
Hash	BD00CDE1F8FD7D5D26AB47AA0A8A8D5FC04955BFDF3DF09620134D63018A83FF
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

8) Flow Diagram

[File Properties]

File Name	FLDIA_Flow Diagram - Aker Plant.pdf
Hash	76EE50AFF0E8E8EDF63724ABAC88FF42B78B319C33DEC3021E8F0686C3A9E383
MIME-Type	application/pdf

9) Site Drawing

[File Properties]

File Name	SITEDR_Site Drawing - Aker Plant.pdf
Hash	386D848E1F3BF6F119E49A201DF303F72C85D617C8736514115B24B569491DE5
MIME-Type	application/pdf

10) Original Photographs

[File Properties]

File Name	ORIGPH_Photos - Aker Plant.pdf
Hash	F611F83585E0DDFD56E8834C5BCC8337A9C9672A148F13D264D37ED262E97790
MIME-Type	application/pdf

11) Design Calculations

12) Solids Management Plan

13) Water Balance

[File Properties]

File Name	WB_Flow Diagram - Aker Plant.pdf
Hash	76EE50AFF0E8E8EDF63724ABAC88FF42B78B319C33DEC3021E8F0686C3A9E383
MIME-Type	application/pdf

14) Other Attachments

[File Properties]

File Name	OTHER_Boiler SDS Forms - Aker Plant.pdf
Hash	15D3F6F199410E4B33ECC5A404824EBF0071268EBA316E7EB3EE08495441D72B
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Core Data Form - Aker Plant.pdf
Hash	8F10299E85F48E8A78E5EF44D6D597535E52D1A3D25B4F355B6C1D1E8C9424DF
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Analytical Data - Aker Plant.pdf
Hash	64E659875F6C73DC74301765A3249CB110026097885AAE453376F07D32337082
MIME-Type	application/pdf

Certification

I certify that I am authorized under 30 Texas Administrative Code 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

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 gather and evaluate 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

1. I am Julia R Knezek, the owner of the STEERS account ER028136.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing New Domestic or Industrial Individual Permit.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Julia R Knezek OWNER OPERATOR

Customer Number:	CN603573817
Legal Name:	Midcoast G & P (East Texas) L.P.
Account Number:	ER028136
Signature IP Address:	152.37.207.102
Signature Date:	2024-05-21
Signature Hash:	F3EBD9ECF99309F25B01723596FA3EC172822FC83D967907B5F2E08CB5A41AA7
Form Hash Code at time of Signature:	9A81A50125EC452D885AF32BF9CE062DD8C956C8F471593C07D6905D9F6E18DA

Fee Payment

Transaction by:	The application fee payment transaction was made by ER028136/Julia R Knezek
Paid by:	The application fee was paid by JULIA KNEZEK
Fee Amount:	\$300.00
Paid Date:	The application fee was paid on 2024-05-21
Transaction/Voucher number:	The transaction number is 582EA000611194 and the voucher number is 706366

Submission

Reference Number:	The application reference number is 654634
Submitted by:	The application was submitted by ER028136/Julia R Knezek
Submitted Timestamp:	The application was submitted on 2024-05-21 at 16:33:59 CDT

Submitted From:

The application was submitted from IP address
152.37.207.102

Confirmation Number:

The confirmation number is 541528

Steers Version:

The STEERS version is 6.74

Additional Information

Application Creator: This account was created by Robert Robinson



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**INDUSTRIAL WASTEWATER APPLICATION
CHECKLIST FOR
OIL AND GAS EXTRACTION PERMITS
ISSUED UNDER TEXAS WATER CODE CHAPTER 26**

Complete and submit this checklist with the application.

APPLICANT NAME: Midcoast G&P (East Texas) L.P.

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Worksheet 8.0	☐	☒
Administrative Report 1.1	☒	☐	Worksheet 9.0	☐	☒
SPIF	☒	☐	Worksheet 10.0	☐	☒
Core Data Form	☒	☐	Worksheet 11.0	☐	☒
Public Involvement Plan Form	☒	☐	Worksheet 11.1	☐	☒
Plain Language Summary	☒	☐	Worksheet 11.2	☐	☒
Technical Report 1.0	☒	☐	Worksheet 11.3	☐	☒
Worksheet 1.0	☒	☐	Worksheet 12.0	☐	☒
Worksheet 2.0	☒	☐	Original USGS Map	☒	☐
Worksheet 3.0	☐	☒	Affected Landowners Map	☒	☐
Worksheet 3.1	☐	☒	Landowner Disk or Labels	☒	☐
Worksheet 3.2	☐	☒	Flow Diagram	☒	☐
Worksheet 3.3	☐	☒	Site Drawing	☒	☐
Worksheet 4.0	☒	☐	Original Photographs	☒	☐
Worksheet 4.1	☐	☒	Design Calculations	☐	☒
Worksheet 5.0	☐	☒	Solids Management Plan	☐	☒
Worksheet 6.0	☐	☒	Water Balance	☒	☐
Worksheet 7.0	☐	☒			

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0 FOR OIL AND GAS EXTRACTION PERMITS ISSUED UNDER TEXAS WATER CODE CHAPTER 26

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435.

Please download and follow the instructions for Completing the Oil and Gas Extraction Administrative Report ([TCEQ Form-20893-inst¹](#)). Contact the Industrial Permits Team (Oil and Gas Permits) at 512-239-4671 with any questions about completing this report.

1. TYPE OF APPLICATION AND FEES (Instructions, Page 8)

a. For facilities currently authorized by EPA and/or RRC, provide the following information:

RRC Permit No., if applicable: [Click to enter text.](#) Expiration Date: [Click to enter text.](#)

EPA ID No., if applicable: TX0[Click to enter text.](#) Expiration Date: [Click to enter text.](#)

b. Check the box next to the appropriate application type.

- | | |
|--|---|
| ☒ New TPDES permit | ☐ Major amendment without renewal |
| ☐ Major amendment with renewal | ☐ Renewal without changes |
| ☐ Renewal with changes | ☐ Minor modification without renewal |
| ☐ Minor amendment without renewal | |

c. If applying for an **amendment** or **modification** of a permit, describe the request in detail (include attachments as necessary): [Click to enter text.](#)

d. Check the box next to the amount submitted for the application fee

Application Fee:

EPA Classification	New	Major Amendment (With or Without Renewal)	Renewal (With or Without Changes)	Minor Amendment/ Minor Modification (Without Renewal)
Minor facility	☒ \$1,250	☐ \$1,250	☐ \$1,215	☐ \$150
Major facility	N/A *	☐ \$2,050	☐ \$2,015	☐ \$450

* All facilities are designated as minors until formally classified as a major by EPA.

¹ https://www.tceq.texas.gov/publications/search_forms.html

e. Payment Information:

Mailed Check or money order number: [Click to enter text.](#)

Check or money order amount: [Click to enter text.](#)

Named printed on check or money order: [Click to enter text.](#)

ePAY Voucher number: [Click to enter text.](#)

Copy of voucher attached? ☐ Yes Attachment: [Click to enter text.](#)

2. APPLICANT INFORMATION (Instructions, Page 8)

a. Facility Owner (Owner of the facility must apply for the permit.)

- Provide the legal name of the entity (applicant) applying for this permit: [Midcoast G&P \(East Texas\) L.P.](#)
(The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.)
- If the applicant is currently a customer with the TCEQ, provide the Customer Number, which can be located using the [TCEQ's Central Registry Customer Search](#)²: CN603573817
- Provide the name and title of the person signing the application. The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: [Ms.](#)

Full Name (Last/First Name: [Knezek, Julia](#)

Title: [Manager EHS G&P East District](#) Credential: [Click to enter text.](#)

b. Co-applicant (Operator of the facility, if different from the owner of the facility) Information

- Provide the legal name of the co-applicant applying for this permit, if applicable: [Click to enter text.](#)
(The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.)
- If the co-applicant is currently a customer with the TCEQ, provide the Customer Number, which can be located using the [TCEQ's Central Registry Customer Search](#): CN[Click to enter text.](#)
- Provide the name and title of the person signing the application. The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.
Prefix: [Click to enter text.](#) Full Name (Last/First Name: [Click to enter text.](#)
Title: [Click to enter text.](#) Credential: [Click to enter text.](#)
- Provide a brief description of the need for a co-applicant: [Click to enter text.](#)

² <http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

c. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of the Administrative Report.

Attachment: A

3. APPLICATION CONTACT INFORMATION (Instructions, Page 9)

If the TCEQ needs additional information regarding this application, who should be contacted?

- a. Prefix: Mr. Full Name (Last/First Name): White, Jeffrey
Title: Senior Environmental Advisor Credential: Click to enter text.
Organization Name: Midcoast G&P (East Texas) L.P.
Mailing Address: 2020 Bill Owens Pkwy, Ste 100 City/State/ZIP Code: Longview, TX 75604
Phone No.: 903-323-4350 E-mail: Jeffrey.white@momentummidstream.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- b. Prefix: Ms. Full Name (Last/First Name): Knezek, Julia
Title: Senior Manager, EHS Credential: Click to enter text.
Organization Name: Midcoast G&P (East Texas) L.P.
Mailing Address: 2020 Bill Owens Pkwy, Ste 100 City/State/ZIP Code: Longview, TX 75604
Phone No.: 903-323-4384 E-mail: Julia.knezek@momentummidstream.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
Attachment: Click to enter text.

4. PERMIT CONTACT INFORMATION (Instructions, Page 9)

Provide two names of individuals that can be contacted throughout the permit term.

- a. Prefix: Mr. Full Name (Last/First Name): White, Jeffrey
Title: Senior Environmental Advisor Credential: Click to enter text.
Organization Name: Midcoast G&P (East Texas) L.P.
Mailing Address: 2020 Bill Owens Pkwy, Ste 100 City/State/ZIP Code: Longview, TX 75604
Phone No.: 903-323-4350 E-mail: Jeffrey.white@momentummidstream.com
- b. Prefix: Ms. Full Name (Last/First Name): Knezek, Julia
Title: Senior Manager, EHS Credential: Click to enter text.
Organization Name: Midcoast G&P (East Texas) L.P.
Mailing Address: 2020 Bill Owens Pkwy, Ste 100 City/State/ZIP Code: Longview, TX 75604
Phone No.: 903-323-4384 E-mail: Julia.knezek@momentummidstream.com
Attachment: Click to enter text.

5. BILLING CONTACT INFORMATION (Instructions, Page 9)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits in effect on September 1 of each year. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: Mr. Full Name (Last/First Name): White, Jeffrey
Title: Senior Environmental Advisor Credential: Click to enter text.
Organization Name: Midcoast G&P (East Texas) L.P.
Mailing Address: 2020 Bill Owens Pkwy, Ste 100 City/State/ZIP Code: Longview, TX 75604
Phone No.: 903-323-4350 E-mail: Jeffrey.white@momentummidstream.com

6. DMR CONTACT INFORMATION (Instructions, Page 10)

Provide the name and mailing address of the person delegated to receive and submit DMRs.

Prefix: Mr. Full Name (Last/First Name): White, Jeffrey
Title: Senior Environmental Advisor Credential: Click to enter text.
Organization Name: Midcoast G&P (East Texas) L.P.
Mailing Address: 2020 Bill Owens Pkwy, Ste 100 City/State/ZIP Code: Longview, TX 75604
Phone No.: 903-323-4350 E-mail: Jeffrey.white@momentummidstream.com

DMR data must be submitted through the [NetDMR](#)³ system. An electronic reporting account can be established once the facility has obtained the permit number.

7. NOTICE INFORMATION (Instructions, Page 11)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): White, Jeffrey
Title: Senior Environmental Advisor Credential: Click to enter text.
Organization Name: Midcoast G&P (East Texas) L.P.
Mailing Address: 2020 Owens Pkwy, Ste 100 City/State/ZIP Code: Longview, TX 75604
Phone No.: 903-323-4350 E-mail: Jeffrey.white@momentummidstream.com

b. Method for Receiving Notice of Receipt and Intent (NORI) to Obtain a Water Quality Permit Package (only for the NORI, the second notice package will be sent via regular mail)

☒ E-mail: Jeffrey.white@momentummidstream.com

³ <https://www.tceq.texas.gov/permitting/netdmr>

☐ Fax: [Click to enter text.](#)

☐ Regular Mail (USPS) – Mailing Address (include City/State/Zip): [Click to enter text.](#)

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): White, Jeffrey

Title: Senior Environmental Advisor Credential: [Click to enter text.](#)

Organization Name: Midcoast G&P (East Texas) 75604

Phone No.: 903-323-4350 E-mail: Jeffrey.white@momentummidstream.com

d. Public Place Information

If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: Fairfield Library Location within the building: [Click to enter text.](#)

Physical Address of Building: 350 W. Main

City: Fairfield County: Freestone

e. Bilingual Notice Requirements:

This information is required for **new, major amendment, minor amendment or minor modification, and renewal applications.**

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☐ Yes ☒ No

If **no**, publication of an alternative language notice is not required; **skip to Item 8 (REGULATED ENTITY AND PERMITTED SITE INFORMATION.)**

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☐ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☐ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

☐ Yes ☐ No

5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? [Click to enter text.](#)

f. Plain Language Summary Template

Complete the Plain Language Summary ([TCEQ Form-20972](#)) and include as an attachment.

Attachment: B

g. Public Involvement Plan Form

Complete the Public Involvement Plan Form ([TCEQ Form-20960](#)) for each application for a new permit or major amendment to a permit and include as an attachment.

Attachment: C

**8. REGULATED ENTITY AND PERMITTED SITE INFORMATION
(Instructions Page 11)**

If the site of your business is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. [Search the TCEQ's Central Registry](#)⁴ to determine the RN or to see if the larger site may already be registered as a regulated site:

If the site is found, provide the assigned RN and the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

- a. TCEQ issued Regulated Entity Number (RN): RN100222819
- b. Name of project/site/facility (the name known by the community where located): Aker Plant
- c. Provide an address for the facility or a description of the facility location using the proximity of the facility to the nearest intersection: From Streetman, TX travel approximately 7.5 mi NE on FM 416 turn right on first paved road (CR 181) and travel 1.5 mi S to plant entrance.
- d. If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.
- e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal

9. TDPEs DISCHARGE INFORMATION (Instructions, Page 12)

- a. Is the facility located on or does the treated effluent cross American Indian Land?
☐ Yes ☒ No

⁴ <http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=regent.RNSearch>

- b. Attach an **original** full size USGS Topographic Map (or an 8.5"×11" **reproduced** portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.
- | | |
|--|--|
| ☒ One-mile radius and three-miles downstream information | ☐ All wastewater ponds |
| ☒ Facility boundaries | ☐ New and future construction |
| ☐ State tract or lease block boundaries | ☐ Labeled and highlighted parks, playgrounds, and schoolyards |
| ☒ Labeled point(s) of discharge and highlighted discharge route(s) | ☒ Attachment: <u>F</u> |
- c. Provide the state tract or lease block number and state tract or lease block name, and well numbers associated with the discharged water: N/A
- d. Provide an accurate description of the point(s) of discharge and the discharge route(s):
Discharge is through Outfall 001 to an unnamed ditch, thence to Greenbriar Creek thence to Tehuacana Creek (Segment 0804F).
- e. City nearest the outfall(s): Streetman
- f. County or counties in which the outfalls(s) is/are located: Freestone
- g. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?
- ☐ Yes ☒ No
- If **yes**, indicate by a check mark if: ☐ Authorization granted ☐ Authorization pending
- For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.
- Attachment:** Click to enter text.
- h. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge. N/A

10. MISCELLANEOUS INFORMATION (Instructions, Page 14)

- a. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☒ Yes ☐ No

If **yes**, list each person: Robert E. Robinson

- b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following:

- Acct. No.: Click to enter text.
- Amt. due: Click to enter text.

- c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following:

- Enforcement Order No.: Click to enter text.
- Amt. due: Click to enter text.

11. SIGNATURE PAGE (Instructions, Page 15)

Applicant Name: Midcoast G&P (East Texas) L.P.

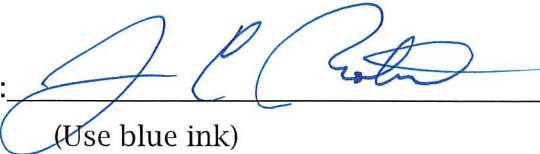
Certification:

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 gather and evaluate 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

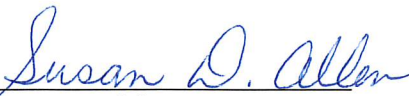
I further certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

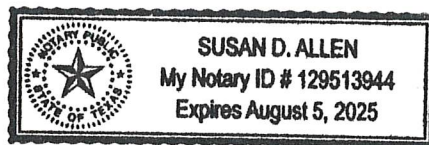
Signatory name (typed or printed): Jim Roberts

Signatory title: V.P. EHS

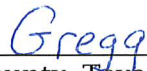
Signature:  Date: 5/16/2024
(Use blue ink)

Subscribed and Sworn to before me by the said James C Roberts
on this 16 day of May, 20 24.
My commission expires on the 5 day of August, 20 25.


Notary Public



[SEAL]


County, Texas

If a co-applicant is necessary, each entity must submit an original, separate signature page.

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1 FOR OIL AND GAS EXPLORATION AND PRODUCTION PERMITS ISSUED UNDER TEXAS WATER CODE CH. 26

The following information is required for **new** and **amendment** applications.

1. AFFECTED LANDOWNER INFORMATION (Instructions, Page 16)

a. Landowner Map Components

Attach a landowner map or drawing, with scale, as applicable. Check the box next to each item to confirm it has been provided.

- ☒ The facility's boundaries.
- ☒ The property boundaries of all properties adjacent to the facility's boundaries.
- ☒ The property boundaries of all properties within the facility's boundaries.
- ☒ The property boundaries of all properties overlapping the facility's boundaries.
- ☒ The property boundaries of all properties adjacent to any property overlapping the facility's boundaries.
- ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream of the discharge point(s).
- ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the discharge point(s).
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the discharge point(s) if the discharge is into a lake, bay, estuary, or affected by tides.

Attachment: D

b. Landowner List Media

Check the box next to the format of the landowners list:

- ☒ Readable/Writeable CD or USB
- ☐ Four sets of labels

c. Cross-Referenced Landowner List

☒ Check this box to confirm a separate list with the landowners' names and mailing addresses cross-referenced to the landowner map has been attached.

Attachment: D

d. Landowner Data Source

Provide the source of the landowners' names and mailing addresses: www.freestonecad.org

e. School Fund Land

As required by *TWC* § 5.115, is any permanent school fund land affected by this application?

- ☐ Yes
- ☒ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s): Click to enter text.

2. ORIGINAL PHOTOGRAPHS (Instructions, Page 18)

Provide original ground-level photographs. Indicate the following information is provided.

- ☒ At least one original photograph of the new or expanded facility location.
- ☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☒ A plot plan or map showing the location and direction of each photograph.

Attachment: E

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- Do not mail this form with the application form.
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP Permit No: WQ000 [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)

5. APPLICATION INFORMATION

Name of Project or Site: [Click to enter text.](#)

Physical Address of Project or Site: [Click to enter text.](#)

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

1. Individual information (Instructions, Page 18)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., or Miss): [Click to enter text.](#)

Full legal name (first, middle, and last): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

Fax No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of industrial wastewater permit applications for Oil and Gas Exploration and Production. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 26, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all applications types. Must be completed in its entirety and signed.
***Note:** Form may be signed by applicant representative.)*

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10055 and 20893. Version dated 5/10/2019 or later.)

Water Quality Permit Payment Submittal Form (Page 14) ☐ Yes
(Original payment sent to TCEQ Revenue Section.
See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit.
8 ½ x 11 acceptable for Renewals and Amendments.)

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements.)

Things to Know:

- All the items shown on the map must be labeled.
- The facility's complete property boundaries must be delineated.
- The complete property boundaries of all properties adjacent to, within, or overlapping the facility's boundaries and all properties adjacent to any property overlapping the facility's boundaries must be delineated.
- If the facility's property is adjacent to a road, creek, or stream, the landowners on the opposite side must also be identified. Although the properties are not adjacent to facility's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements.)

Landowners Labels or CD-RW attached ☐ N/A ☒ Yes
(See instructions for landowner requirements.)

Original signature per 30 TAC § 305.44 – Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer,
a copy of signature authority/delegation letter must be attached.)

Plain Language Summary ☒ Yes



TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☒ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☐ Renewal (Core Data Form should be submitted with the renewal form)		☐ Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 603573817		RN 100222819

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership					
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Midcoast G&P (East Texas) L.P.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0801142362		32039839033		84-4428441	
11. Type of Customer:		☐ Corporation		☐ Individual	Partnership: ☐ General ☒ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship		☐ Other:	
12. Number of Employees				13. Independently Owned and Operated?	
☐ 0-20 ☐ 21-100 ☒ 101-250 ☐ 251-500 ☐ 501 and higher				☒ Yes ☐ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:					
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant					
15. Mailing Address:		600 Travis, Ste 5500			
City		Houston		State	TX
ZIP		77002		ZIP + 4	
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				julia.knezek@momuntummidstream.com	
18. Telephone Number			19. Extension or Code		20. Fax Number (if applicable)

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity' is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Aker Plant

23. Street Address of the Regulated Entity:

(No PO Boxes)

City

State

ZIP

ZIP + 4

24. County

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:

From Streetman, TX travel approximately 7.5 mi NE on FM 416 turn right on first paved road (CR 181) and travel 1.5 mi S to plant entrance.

26. Nearest City

State

Nearest ZIP Code

Streetman

TX

75859

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:

31.909805

28. Longitude (W) In Decimal:

-96.221038

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29. Primary SIC Code

(4 digits)

30. Secondary SIC Code

(4 digits)

31. Primary NAICS Code

(5 or 6 digits)

32. Secondary NAICS Code

(5 or 6 digits)

1311

211111

211112

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Natural Gas Sweetening

34. Mailing Address:

2020 Bill Owens Parkway, Ste 100

City

Longview

State

TX

ZIP

75604

ZIP + 4

35. E-Mail Address:

julia.knezek@momentummidstream.com

36. Telephone Number

(903) 323-4384

37. Extension or Code

38. Fax Number *(if applicable)*

(903) 323-4343

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	New Applicaiton			

SECTION IV: Preparer Information

40. Name:	Jeffrey White	41. Title:	Environmental Advisor, E Region
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(903) 323-4350		() -	jeffrey.white@momentummidstream.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Midcoast G&P (East Texas) L.P.	Job Title:	Senior Manager, EHS
Name (In Print):	Julia Knezek	Phone:	(903) 323- 4384
Signature:		Date:	5/16/2024



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Midcoast G&P (East Texas) L.P. (Midcoast) is requesting a new application under the Texas Pollutant Discharge Elimination System (TPDES) program. The Aker Gas Plant consists of an inlet gas separator, a slug catcher, an amine unit, a glycol dehydration unit, a low-pressure flare, a high-pressure flare, process tanks, a fire pump engine, a reverse osmosis (RO) system, and boilers. The RO system is used to treat pumped well water for impurities prior to use in the boiler system and to dilute the amine used in gas treating. The proposed water streams do not make direct contact with gas or the gas treating processes. Historically, all wastewater generated from the facility has been collected and hauled off to a permitted facility for disposal. The Aker Gas Plant is seeking a TPDES permit to directly discharge this wastewater to waters of the state.

Wastewater discharges from the facility are expected to contain reject water from the RO system and the blowdown from three boilers. The wastewater will be discharged through Outfall 001 an unnamed ditch, which joins the receiving waters of Greenbriar Creek, then to Tehuacana Creek, Segment 0804F. Midcoast will use a tank gauge to calculate the volume discharged from their wastewater tank. Potential pollutants are included in the permit application.



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

New Permit or Registration Application

New Activity - modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.
Stop after Section 2 and submit the form.**

Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air Initial Federal Amendment Standard Permit Title V
Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire
 Radioactive Material Licensing Underground Injection Control

Water Quality

 Texas Pollutant Discharge Elimination System (TPDES)
 Texas Land Application Permit (TLAP)
 State Only Concentrated Animal Feeding Operation (CAFO)
 Water Treatment Plant Residuals Disposal Permit
 Class B Biosolids Land Application Permit
 Domestic Septage Land Application Registration

Water Rights New Permit

 New Appropriation of Water
 New or existing reservoir

Amendment to an Existing Water Right

 Add a New Appropriation of Water
 Add a New or Existing Reservoir
 Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

City

County

Census Tract

- (a) Percent of people over 25 years of age who at least graduated from high school
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

Yes No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

Yes No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

Yes No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

Yes No

(e) If a public meeting is held, will a translator be provided if requested?

Yes No

(f) Hard copies of the application will be available at the following (check all that apply):

TCEQ Regional Office

TCEQ Central Office

Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

Yes No

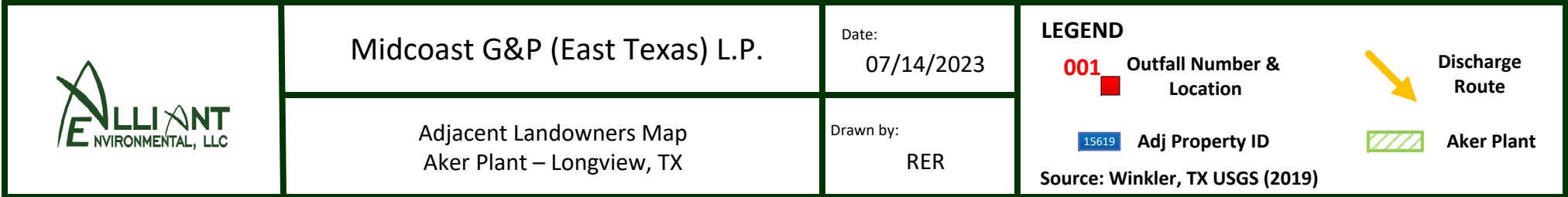
What types of notice will be provided?

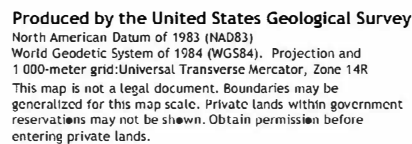
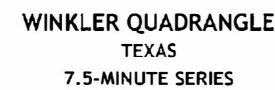
Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

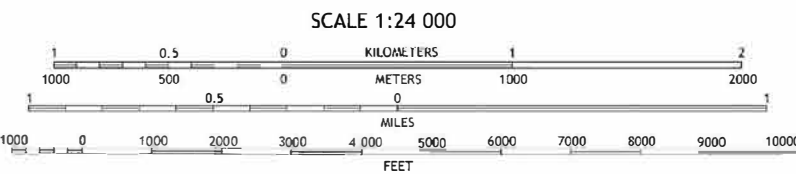
Mailed by TCEQ's Office of the Chief Clerk

Other (specify)



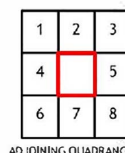


Imagery.....	NAIP, September 2016	November 2018
Roads.....	U.S. Census Bureau, 2015	2018
Names.....	GNIS, 1979	2018
Hydrography.....	National Hydrography Dataset, 2002	2018
Contours.....	National Elevation Dataset, 2003	2004
Boundaries.....	Multiple sources; see metadata file	2016 - 2011
Wetlands.....	FWS National Wetlands Inventory	1982



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

WINKLER, TX
2019

Aker Gas Plant Wastewater Permit Application

Outfall 001 Photographs

Photograph 1

Outfall 001 - taken outside
the fence line.



Photograph 2

**Outfall 001 –
Photographer was facing
northwest.**



Photograph 3

**Outfall 001 –
Photographer was facing
southwest.**





Location

Photograph 2

Photograph 1

Photograph 3

31.909805, -96.221038



23219 Red River Dr
Katy, TX 77494

Photograph Locations
(31.909805, -96.221038)

Aker Plant
Midcoast G&P East Texas

Date:

4/10/2024

Drawn by:

RER

Attachment



600 ft

ID Number	Landowner Name:	Address
15628*	Midcoast G&P (East Texas) L.P.	600 Travis St, Ste 5500 Houston, TX 77002
54985*	Midcoast G&P (East Texas) L.P.	600 Travis St, Ste 5500 Houston, TX 77002
15619	SRP PYRAMID LLC	600 S Tyler St. Ste 107 Amarillo, TX 79101-2340
15964	SRP PYRAMID LLC	600 S Tyler St. Ste 107 Amarillo, TX 79101-2340
15602	GRANT JONAS EST	289 County Rd 185 Streetman, TX 75859
15617	PACKER PETER EST	1420 Meadow Vista Dr Cedar Hill TX, 75104-4110
15626	THORNTON SUE B. ETAL	351 FM 833 E Fairfield, TX 75840-5104
15611	LEONARD ARNESTA	1420 Meadow Vista Dr Cedar Hill TX 75104-4110
15274	SRP PYRAMID LLC	600 S Tyler St. Ste 107 Amarillo, TX 79101-2340
15252	MATTSON JAN C.	7041 Montgomery Rd. Midlothian, TX 76065

Source: Freestone Central County Appraisal District

Note: * Details in bold are the Aker Plant. The mailing addresses provided have been updated and are different from the information in the Freestone Central County Appraisal District website.

MIDCOAST G&P (EAST TEXAS) LP
600 TRAVIS ST
STE 5500
HOUSTON TX 77002

SRP PYRAMID LLC
600 S TYLER
STE 107
AMARILLO TX 79101-2340

GRANT JONAS EST
289 COUNTY RD 185
STREETMAN TX 75859

PACKER PETER EST
1420 MEADOW VISTA DR
CEDAR HILL TX 75104-4110

THORNTON SUE BE ETAL
351 FM 833 E
FAIRFIELD TX 75840-4104

LEONARD ARNESTA
1420 MEADOW VISTA DR
CEDAR HILL TX 75104-4110

MATTSON JAN C
7041 MONTGOMERY RD
MIDLOTHIAN TX 76065

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Midcoast G&P (East Texas) L.P.

Permit No. WQ00

EPA ID No. TX

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

From Streetman, TX travel approximately 7.5 mi NE on FM 416 turn right on first paved road (CR 181) and travel 1.5 mi S to plant entrance.

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Jeffrey White

Credential (P.E, P.G., Ph.D., etc.):

Title: Environmental Advisor

Mailing Address: 2020 Bill Owens Pkwy, Ste 100

City, State, Zip Code: Longview, TX 75604

Phone No.: 903-323-4350 Ext.: Fax No.:

E-mail Address: Jeffrey.white@momentummidstream.com

2. List the county in which the facility is located: Freestone
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

N/A

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

The wastewater will be discharged via Outfall 001 to an unnamed creek, thence to Greenbriar Creek, thence to Tehuacana Creek, Segment 0804F.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property. N/A

Does your project involve any of the following? Check all that apply. N/A

- ☐ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

N/A

2. Describe existing disturbances, vegetation, and land use:

The land has been developed to support the infrastructure to operate a natural gas plant.

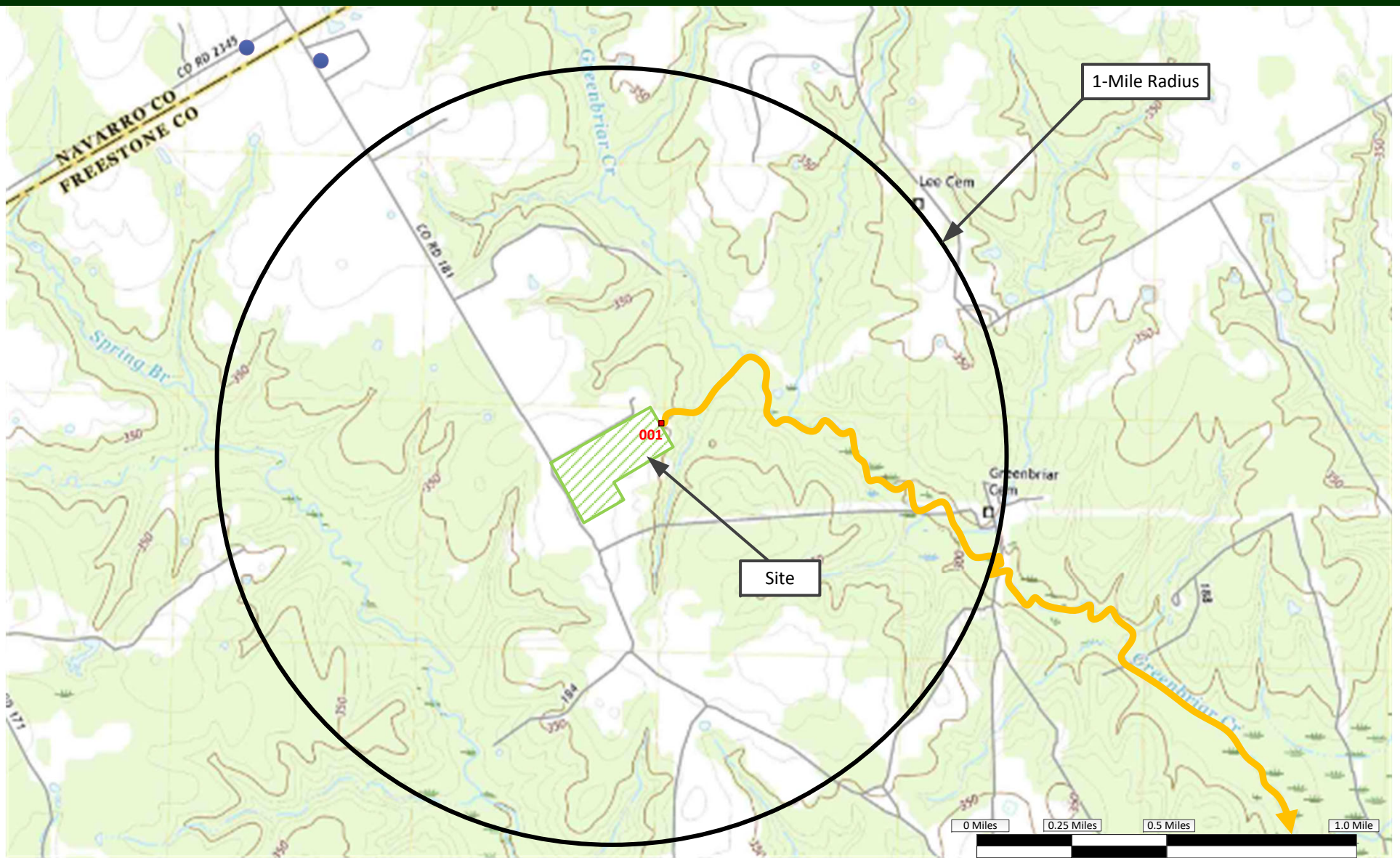
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

The facility was constructed in 1982 and has remained largely unchanged since then.

4. Provide a brief history of the property, and name of the architect/builder, if known.

The gas plant was constructed in 1982 and the operations have not changed since then.



Midcoast G&P (East Texas), L.P.

SPIF USGS Map
Aker Plant – Longview, TX

Date:
07/14/2023

Drawn by:
RER

LEGEND

001 Outfall Number & Location

Aker Plant

Source: Winkler, TX USGS (2019)

Discharge Route

Water Well



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the [Instructions for Completing the Industrial Wastewater Permit Application](https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html)¹ available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

Item 1. Facility/Site Information (Instructions, Page 39)

- a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

The Aker Gas Plant (SIC Code 1311/NAICS Code 211112) is a natural gas processing facility. Operations consist of an inlet gas separator, a slug catcher, an amine unit, a glycol dehydration unit, a low-pressure flare, a high-pressure flare, process tanks, a fire pump engine, a reverse osmosis (RO) system, and boilers. See next page for additional details.

- b. Describe all wastewater-generating processes at the facility.

The proposed wastewaters to be discharged include reject water from the Reverse Osmosis (RO) system and blowdown from the onsite boilers.

¹

https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

The Aker Gas Plant consists of an inlet gas separator, a slug catcher, an amine unit, a glycol dehydration unit, a low-pressure flare, a high-pressure flare, process tanks, a fire pump engine, a reverse osmosis (RO) system, and boilers. The inlet gas is routed to the inlet separator and on to the gas filter. Liquids from the inlet separator are sent to the slug catcher, or condensate surge drum, and the gas is routed to the amine contactors. Before entering the amine contactor, the gas is heated in the gas/amine exchanger. As the gas travels up through the amine contactor, the H₂S and CO₂ are removed from the gas. The wet gas is routed to the glycol contactor to remove moisture. Dry gas is then sent to the sales pipeline. Rich amine is sent to the amine regeneration system to remove H₂S. Acid gas from this process is routed to the low-pressure flare/acid gas liquefaction and deep well injection system. Lean amine is recirculated to the amine contactors. Rich glycol from the dehydrators is sent to the glycol regeneration system where moisture is removed from the glycol so that it may be re-used in the process.

The RO system is used to treat pumped well water for impurities prior to use in the boiler system and to dilute the amine used in gas treating. The proposed water streams do not make direct contact with gas or the gas treating processes.

- c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
Natural Gas		Compressed Natural Gas
Natural Gas Liquids		Condensate
Condensate		Produced Water
Lube Oil		
Glycol		
Degreaser		
Antifreeze		

Attachment: [Click to enter text.](#)

- d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: [G](#)

- e. Is this a new permit application for an existing facility?

☒ Yes ☐ No

If **yes**, provide background discussion: Historically, all wastewater has been collected and hauled off to a permitted facility for disposal. The Aker facility is seeking a TPDES permit to directly discharge this wastewater to waters of the state.

- f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

☐ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: N/A, there is no onsite treatment/disposal facility

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: [Click to enter text.](#)

Attachment: [Click to enter text.](#)

- g. For **new** or **major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☒ No ☐ N/A (renewal only)

- h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide an approximate date of application submittal to the USACE: [Click to enter text.](#)

Item 2. Treatment System (Instructions, Page 40)

- a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

There are no onsite treatment systems.

- b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: [H](#)

Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

☐ Yes ☒ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a - 3.e.

- a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (T), Disposal (D), Containment (C), or Evaporation (E).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (C), In-situ clay liner (I), Synthetic/plastic/rubber liner (S), or Alternate liner (A). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter Y for yes. Otherwise, enter N for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter Y for yes. Otherwise, enter N for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter Y for yes. Otherwise, enter N for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				

Parameter	Pond #	Pond #	Pond #	Pond #
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Attachment: [Click to enter text.](#)

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

- b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

NOTE: Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: [Click to enter text.](#)

For TLAP applications: Items 3.c – 3.e are not required, continue to Item 4.

- c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

Attachment: [Click to enter text.](#)

- d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: [Click to enter text.](#)

- e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: [Click to enter text.](#)

Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
001	31.9106	-96.2191

Outfall Location Description

Outfall No.	Location Description
001	Located on the east side of the facility, adjacent to discharge box from the storm water pond

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point
001	Sampling point is adjacent to the discharge box from the storm water pond

Outfall Flow Information – Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	N/A	N/A	0.52	1.0	10/01/24

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	N	Y	Tank gauge used to calculate the discharge volume

Outfall Discharge – Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	Y	N	N	~2-4	Variable	Variable

Outfall Wastestream Contributions**Outfall No. 001**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Reject Water Reverse Osmosis Process	Variable	75-90
Boiler blowdown	Variable	10-25

Outfall No. Click to enter text.

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. Click to enter text.

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Attachment:

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposes to:

- ☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams
☒ Yes ☐ No Use boilers that discharge blowdown or other wastestreams
☐ Yes ☒ No Discharge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 **is required**.

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

Attachment: I

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s), complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers	N/A	N/A	N/A

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Boilers	3	~500	~1,000

Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at 40 CFR § 122.26(b)(14), commingled with any other wastestream?

☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: [Click to enter text.](#)

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

- a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.
 - ☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.
 - ☒ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.
 - ☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.
 - ☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.
 - ☐ Facility is a POTW. Complete Worksheet 5.0.
 - ☐ Domestic sewage is not generated on-site.
 - ☐ Other (e.g., portable toilets), specify and Complete Item 7.b: [Click to enter text.](#)
- b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Richland Sanitation	Registration # 710888

Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

- a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?
- ☐ Yes ☒ No
- b. Has the permittee completed or planned for any improvements or construction projects?
- ☐ Yes ☒ No
- c. If **yes** to either 8.a or 8.b, provide a brief summary of the requirements and a status update: [Click to enter text.](#)

Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: [Click to enter text.](#)

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** [Click to enter text.](#)

Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

- a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?
- ☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

- b. Attach the following information to the application:
- List of wastes received (including volumes, characterization, and capability with on-site wastes).
 - Identify the sources of wastes received (including the legal name and addresses of the generators).
 - Description of the relationship of waste source(s) with the facility's activities.

Attachment: [Click to enter text.](#)

- c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?
- ☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: [Click to enter text.](#)

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☒ No

If **yes**, **Worksheet 6.0** of this application is required.

Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

a. Does the facility use or propose to use water for cooling purposes?

☐ Yes ☒ No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. [Click to enter text.](#)

3. Cooling water is/will be obtained from a reclaimed water source?

☐ Yes ☐ No

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: [Click to enter text.](#)

4. Cooling water is/will be obtained from an Independent Supplier

☐ Yes ☐ No

If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed: [Click to enter text.](#)

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

☐ Yes ☐ No

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*: [Click to enter text.](#)

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

- e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **and uses/proposes to use cooling towers**.

☐ Yes ☐ No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

- f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☒ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

- g. Compliance Phase and Track Selection

1. Phase I - New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☒ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I - AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by 40 CFR §§ 125.86(b)(2)-(4).

☐ Track I - AIF greater than 10 MGD

- Attach information required by 40 CFR § 125.86(b).

☐ Track II

- Attach information required by 40 CFR § 125.86(c).

Attachment: [Click to enter text.](#)

2. Phase II - Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III - New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

- ☐ Track I – Fixed facility
 - Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.
- ☐ Track I – Not a fixed facility
 - Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).
- ☐ Track II – Fixed facility
 - Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: [Click to enter text.](#)

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes ☒ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

[Click to enter text.](#)

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

[Click to enter text.](#)

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

Click to enter text.

Item 14. Laboratory Accreditation (Instructions, Page 49)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - performing work for another company with a unit located in the same site; or
 - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review *30 TAC Chapter 25* for specific requirements.

The following certification statement shall be signed and submitted with every application. See the *Signature Page* section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Julia Knezek

Title: Senior Manager, EHS

Signature: _____

Date: _____

Julia Knezek
5/16/2024

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

This worksheet **is required** for all applications for TPDES permits for discharges of wastewaters subject to EPA categorical effluent limitation guidelines (ELGs).

Item 1. Categorical Industries (Instructions, Page 53)

Is this facility subject to any 40 CFR categorical ELGs outlined on page 53 of the instructions?

☐ Yes ☒ No

If **no**, this worksheet is not required. If **yes**, provide the appropriate information below.

40 CFR Effluent Guideline

Industry	40 CFR Part

Item 2. Production/Process Data (Instructions, Page 54)

NOTE: For all TPDES permit applications requesting individual permit coverage for discharges of oil and gas exploration and production wastewater (discharges into or adjacent to water in the state, falling under the Oil and Gas Extraction Effluent Guidelines – 40 CFR Part 435), see Worksheet 12.0, Item 2 instead.

a. Production Data

Provide appropriate data for effluent guidelines with production-based effluent limitations.

Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units

b. Organic Chemicals, Plastics, and Synthetic Fibers Manufacturing Data (40 CFR Part 414)

Provide each applicable subpart and the percent of total production. Provide data for metal-bearing and cyanide-bearing wastestreams, as required by *40 CFR Part 414, Appendices A and B*.

Percentage of Total Production

Subcategory	Percent of Total Production	Appendix A and B - Metals	Appendix A - Cyanide

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

Click to enter text.

Item 3. Process/Non-Process Wastewater Flows (Instructions, Page 54)

Provide a breakdown of wastewater flow(s) generated by the facility, including both process and non-process wastewater flow(s). Specify which wastewater flows are to be authorized for discharge under this permit and the disposal practices for wastewater flows, excluding domestic, which are not to be authorized for discharge under this permit.

Click to enter text.

Item 4. New Source Determination (Instructions, Page 54)

Provide a list of all wastewater-generating processes subject to EPA categorical ELGs, identify the appropriate guideline Part and Subpart, and provide the date the process/construction commenced.

Wastewater Generating Processes Subject to Effluent Guidelines

Process	EPA Guideline Part	EPA Guideline Subpart	Date Process/ Construction Commenced

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: POLLUTANT ANALYSIS

Worksheet 2.0 is **required** for all applications submitted for a TPDES permit. Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

Item 1. General Testing Requirements (Instructions, Page 55)

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): 9/5/23-9/26/23
- ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm.
Attachment: Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, (214) 902-0300

Item 2. Specific Testing Requirements (Instructions, Page 56)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** [Click to enter text.](#)

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

Table 1 for Outfall No.: 001

Samples are (check one): ☒ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)	<3.0	<3.00	5.06	<3.0
CBOD (5-day)	<3.0	0.600	4.53	<3.0
Chemical oxygen demand	31.0	23.0	20.0	54.0
Total organic carbon	3.72	<0.500	3.42	6.61
Dissolved oxygen	N/S	N/S	N/S	N/S
Ammonia nitrogen	<0.051	<0.051	0.966	1.35
Total suspended solids	12.4	4.40	10.3	<2.50
Nitrate nitrogen	0.811	<0.500	<0.500	<0.500
Total organic nitrogen	0.205	0.858	0.854	2.66
Total phosphorus	9.28	9.53	8.95	11.1
Oil and grease	N/S	N/S	N/S	N/S
Total residual chlorine	N/S	N/S	N/S	N/S

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total dissolved solids	796	822	1290	1010
Sulfate	<0.200	44.6	<0.200	45.8
Chloride	<0.250	270	<0.250	402
Fluoride	<0.100	0.201J	<0.100	0.291J
Total alkalinity (mg/L as CaCO3)	162	153	170	181
Temperature (°F)	N/S	N/S	N/S	N/S
pH (standard units)	8.3	8.19	7.90	8.72

Table 2 for Outfall No.: **001**

Samples are (check one): ☒ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	116	24.5	474	47.7	2.5
Antimony, total	<1.05	<1.05	<1.05	<1.05	5
Arsenic, total	3.01 J	2.48 J	2.06 J	2.46 J	0.5
Barium, total	30.4	22.4	47.7	38.8	3
Beryllium, total	<0.148	<0.148	<0.148	<0.148	0.5
Cadmium, total	<0.085	<0.085	0.159 J	<0.085	1
Chromium, total	0.605 J	0.433 J	0.352 J	0.53 J	3
Chromium, hexavalent	<2.8	<2.8	<2.8	<2.8	3
Chromium, trivalent	N/S	N/S	N/S	N/S	N/A
Copper, total	6.86	5.41	5.53	4.15	2
Cyanide, available	N/S	N/S	N/S	N/S	2/10
Lead, total	0.410J	0.213 J	0.497 J	0.521 J	0.5
Mercury, total	0.00734	N/S	N/S	N/S	0.005/0.0005
Nickel, total	4.11	3.63	5.81	3.81	2
Selenium, total	3.68	1.8 J	<0.685	<0.685	5
Silver, total	<0.118	<0.118	<0.118	<0.118	0.5
Thallium, total	<0.096	<0.096	<0.096	<0.096	0.5
Zinc, total	14.1	9.86	35.6	9.8	5.0

TABLE 3 (Instructions, Page 58)

Completion of Table 3 is required for all **external outfalls** which discharge process wastewater.

Partial completion of Table 3 is required for all **external outfalls** which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3 for Outfall No.: **001**Samples are (check one): ☒ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Acrylonitrile	<7.80	<7.80	<15.6	<7.80	50
Anthracene	<1.50	<1.50	<1.50	<1.50	10
Benzene	<0.496	1.55J	<0.992	<0.496	10
Benzidine	N/S	N/S	N/S	N/S	50
Benzo(a)anthracene	<0.173	<0.173	<0.173	<0.173	5
Benzo(a)pyrene	<0.364	<0.364	<0.364	<0.364	5
Bis(2-chloroethyl)ether	<2.16	<2.16	<2.16	<2.16	10
Bis(2-ethylhexyl)phthalate	<0.277	<0.277	<0.277	<0.277	10
Bromodichloromethane [Dichlorobromomethane]	<0.696	<0.696	<0.696	<0.696	10
Bromoform	<1.33	<1.33	<2.67	<1.33	10
Carbon tetrachloride	<1.26	<1.26	<2.52	<1.26	2
Chlorobenzene	<0.945	<0.945	<1.89	<0.945	10
Chlorodibromomethane [Dibromochloromethane]	<1.75	<1.75	<1.75	<1.75	10
Chloroform	<1.21	<1.21	<2.41	<1.21	10
Chrysene	<0.222	<0.222	<0.222	<0.222	5
m-Cresol [3-Methylphenol]	<2.62	<2.62	<2.62	<2.62	10
o-Cresol [2-Methylphenol]	<1.62	<1.62	<1.62	<1.62	10
p-Cresol [4-Methylphenol]	<2.62	<2.62	<2.62	<2.62	10
1,2-Dibromoethane	<0.631	<0.631	<1.26	<0.631	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	<1.08	<1.08	<1.08	<1.08	10
o-Dichlorobenzene [1,2-Dichlorobenzene]	<0.603	<0.603	<0.603	<0.603	10
p-Dichlorobenzene [1,4-Dichlorobenzene]	<0.637	<0.637	<0.637	<0.637	10
3,3'-Dichlorobenzidine	<0.341	<0.341	<0.341	<0.341	5
1,2-Dichloroethane	<0.153	<0.153	<3.07	<0.153	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]	<0.575	<0.575	<0.575	<0.575	10
Dichloromethane [Methylene chloride]	<0.829	<0.829	11.1	<0.829	20
1,2-Dichloropropane	<1.55	<1.55	<3.10	<1.55	10
1,3-Dichloropropene [1,3-Dichloropropylene]	<1.95	<1.95	<1.95	<1.95	10
2,4-Dimethylphenol	<0.649	<0.649	<0.649	<0.649	10
Di-n-Butyl phthalate	<0.252	<0.252	0.77J	<0.252	10
Ethylbenzene	<0.878	<0.878	3.28J	1.0J	10
Fluoride	N/S	N/S	N/S	N/S	500
Hexachlorobenzene	<0.307	<0.307	<0.307	<0.307	5
Hexachlorobutadiene	<0.238	<0.238	<0.238	<0.238	10
Hexachlorocyclopentadiene	<4.58	<4.58	<4.58	<4.58	10
Hexachloroethane	<0.526	<0.526	<0.526	<0.526	20
Methyl ethyl ketone	<4.53	<4.53	<9.05	<4.53	50
Nitrobenzene	<1.66	<1.66	<1.66	<1.66	10
N-Nitrosodiethylamine	N/S	N/S	N/S	N/S	20
N-Nitroso-di-n-butylamine	N/S	N/S	N/S	N/S	20
Nonylphenol	N/S	N/S	N/S	N/S	333
Pentachlorobenzene	N/S	N/S	N/S	N/S	20
Pentachlorophenol	<0.234	<0.234	<0.234	<0.234	5
Phenanthrene	<1.42	<1.42	<1.42	<1.42	10
Polychlorinated biphenyls (PCBs) (**)	<0.100	<0.100	<0.100	<0.100	0.2
Pyridine	<2.64	<2.64	<2.64	<2.64	20
1,2,4,5-Tetrachlorobenzene	N/S	N/S	N/S	N/S	20
1,1,2,2-Tetrachloroethane	<1.71	<1.71	<3.43	<1.71	10
Tetrachloroethene [Tetrachloroethylene]	<0.900	<0.900	<0.900	<0.900	10
Toluene	<1.61	<1.61	<3.23	<1.61	10
1,1,1-Trichloroethane	<1.45	<1.45	<2.89	<1.45	10
1,1,2-Trichloroethane	<0.747	<0.747	<1.49	<0.747	10
Trichloroethene [Trichloroethylene]	<1.69	<1.69	<1.69	<1.69	10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol	<2.00	<2.00	<2.00	<2.00	50
TTHM (Total trihalomethanes)	<1.75	<1.75	<3.50	<1.75	10
Vinyl chloride	<0.592	<0.592	<1.18	<0.592	10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLE 4 (Instructions, Pages 58-59)

Partial completion of Table 4 **is required** for each **external outfall** based on the conditions below.

a. Tributyltin

Is this facility an industrial/commercial facility which currently or proposes to directly dispose of wastewater from the types of operations listed below or a domestic facility which currently or proposes to receive wastewater from the types of industrial/commercial operations listed below?

☐ Yes ☒ No

If **yes**, check the box next to each of the following criteria which apply and provide the appropriate testing results in Table 4 below (check all that apply).

- ☐ Manufacturers and formulators of tributyltin or related compounds.
- ☐ Painting of ships, boats and marine structures.
- ☐ Ship and boat building and repairing.
- ☐ Ship and boat cleaning, salvage, wrecking and scaling.
- ☐ Operation and maintenance of marine cargo handling facilities and marinas.
- ☐ Facilities engaged in wood preserving.
- ☐ Any other industrial/commercial facility for which tributyltin is known to be present, or for which there is any reason to believe that tributyltin may be present in the effluent.

b. Enterococci (discharge to saltwater)

This facility discharges/proposes to discharge directly into saltwater receiving waters **and** Enterococci bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

c. **E. coli (discharge to freshwater)**

This facility discharges/proposes to discharge directly into freshwater receiving waters **and** *E. coli* bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

Table 4 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1	Sample 2	Sample 3	Sample 4	MAL
Tributyltin (µg/L)					0.010
Enterococci (cfu or MPN/100 mL)					N/A
<i>E. coli</i> (cfu or MPN/100 mL)					N/A

TABLE 5 (Instructions, Page 59)

Completion of Table 5 **is required** for all **external outfalls** which discharge process wastewater from a facility which manufactures or formulates pesticides or herbicides or other wastewaters which may contain pesticides or herbicides.

If this facility does not/will not manufacture or formulate pesticides or herbicides and does not/will not discharge other wastewaters that may contain pesticides or herbicides, check N/A.

☒ N/A

Table 5 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Aldrin					0.01
Carbaryl					5
Chlordane					0.2
Chlorpyrifos					0.05
4,4'-DDD					0.1
4,4'-DDE					0.1
4,4'-DDT					0.02
2,4-D					0.7
Danitol [Fenpropathrin]					—
Demeton					0.20
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02
Diuron					0.090

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Endosulfan I (<i>alpha</i>)					0.01
Endosulfan II (<i>beta</i>)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane (<i>alpha</i>)					0.05
Hexachlorocyclohexane (<i>beta</i>)					0.05
Hexachlorocyclohexane (<i>gamma</i>) [Lindane]					0.05
Hexachlorophene					10
Malathion					0.1
Methoxychlor					2.0
Mirex					0.02
Parathion (ethyl)					0.1
Toxaphene					0.3
2,4,5-TP [Silvex]					0.3

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

Completion of Table 6 is required for all external outfalls.

Table 6 for Outfall No.: **001**

Samples are (check one): ☒ Composite ☐ Grab

Pollutants	Believed Present	Believed Absent	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)	MAL (µg/L)*
Bromide	☒	☐	0.581	0.695	0.658	0.745	400
Color (PCU)	☒	☐	5.0	10.0	15.0	5.0	—
Nitrate-Nitrite (as N)	☐	☒	0.811	<0.500	<0.500	<0.500	—
Sulfide (as S)	☐	☒	<2.00	<2.00	<2.00	<2.00	—
Sulfite (as SO ₃)	☐	☒	<5.00	<5.00	<5.00	<5.00	—
Surfactants	☐	☒	<0.10	<0.10	<0.10	<0.10	—
Boron, total	☐	☒	<0.0173	0.0402J	0.0463J	0.0433J	20
Cobalt, total	☒	☐	0.00507	0.00279	0.00280	0.00232	0.3
Iron, total	☒	☐	1.09	0.997	1.51	0.754	7
Magnesium, total	☒	☐	9.96	8.47	17.6	10.1	20
Manganese, total	☒	☐	0.0667	0.0776	0.157	0.181	0.5
Molybdenum, total	☐	☒	<0.00261	0.00318J	0.00871J	0.00308J	1
Tin, total	☐	☒	0.00968J	<0.00668	<0.00668	<0.00668	5
Titanium, total	☒	☐	0.00331J	0.00153J	0.0110	0.00187J	30

TABLE 7 (Instructions, Page 60)

Check the box next to any of the industrial categories applicable to this facility. If no categories are applicable, check N/A. If GC/MS testing is required, check the box provided to confirm the testing results for the appropriate parameters are provided with the application.

☒ N/A

Table 7 for Applicable Industrial Categories

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/Neutrals Table 10	Pesticides Table 11
☐ Adhesives and Sealants		☐ Yes	☐ Yes	☐ Yes	No
☐ Aluminum Forming	467	☐ Yes	☐ Yes	☐ Yes	No
☐ Auto and Other Laundries		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Battery Manufacturing	461	☐ Yes	No	☐ Yes	No
☐ Coal Mining	434	No	No	No	No
☐ Coil Coating	465	☐ Yes	☐ Yes	☐ Yes	No
☐ Copper Forming	468	☐ Yes	☐ Yes	☐ Yes	No
☐ Electric and Electronic Components	469	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Electroplating	413	☐ Yes	☐ Yes	☐ Yes	No
☐ Explosives Manufacturing	457	No	☐ Yes	☐ Yes	No
☐ Foundries		☐ Yes	☐ Yes	☐ Yes	No
☐ Gum and Wood Chemicals - Subparts A,B,C,E	454	☐ Yes	☐ Yes	No	No
☐ Gum and Wood Chemicals - Subparts D,F	454	☐ Yes	☐ Yes	☐ Yes	No
☐ Inorganic Chemicals Manufacturing	415	☐ Yes	☐ Yes	☐ Yes	No
☐ Iron and Steel Manufacturing	420	☐ Yes	☐ Yes	☐ Yes	No
☐ Leather Tanning and Finishing	425	☐ Yes	☐ Yes	☐ Yes	No
☐ Mechanical Products Manufacturing		☐ Yes	☐ Yes	☐ Yes	No
☐ Nonferrous Metals Manufacturing	421,471	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	☐ Yes	☐ Yes	☐ Yes	No
☐ Ore Mining - Subpart B	440	No	☐ Yes	No	No
☐ Organic Chemicals Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Paint and Ink Formulation	446,447	☐ Yes	☐ Yes	☐ Yes	No
☐ Pesticides	455	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Petroleum Refining	419	☐ Yes	No	No	No
☐ Pharmaceutical Preparations	439	☐ Yes	☐ Yes	☐ Yes	No
☐ Photographic Equipment and Supplies	459	☐ Yes	☐ Yes	☐ Yes	No
☐ Plastic and Synthetic Materials Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Plastic Processing	463	☐ Yes	No	No	No
☐ Porcelain Enameling	466	No	No	No	No
☐ Printing and Publishing		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Pulp and Paperboard Mills - Subpart C	430	☐ *	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subparts F, K	430	☐ *	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	☐ Yes	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts I, J, L	430	☐ Yes	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subpart E	430	☐ Yes	☐ Yes	☐ Yes	☐ *
☐ Rubber Processing	428	☐ Yes	☐ Yes	☐ Yes	No
☐ Soap and Detergent Manufacturing	417	☐ Yes	☐ Yes	☐ Yes	No
☐ Steam Electric Power Plants	423	☐ Yes	☐ Yes	No	No
☐ Textile Mills (Not Subpart C)	410	☐ Yes	☐ Yes	☐ Yes	No
☐ Timber Products Processing	429	☐ Yes	☐ Yes	☐ Yes	☐ Yes

* Test if believed present.

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acrolein					50
Acrylonitrile					50
Benzene					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane					10
Chloroethane					50
2-Chloroethylvinyl ether					10
Chloroform					10
Dichlorobromomethane [Bromodichloromethane]					10
1,1-Dichloroethane					10
1,2-Dichloroethane					10
1,1-Dichloroethylene [1,1-Dichloroethene]					10
1,2-Dichloropropane					10
1,3-Dichloropropylene [1,3-Dichloropropene]					10
Ethylbenzene					10
Methyl bromide [Bromomethane]					50
Methyl chloride [Chloromethane]					50
Methylene chloride [Dichloromethane]					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethylene [Trichloroethene]					10
Vinyl chloride					10

* Indicate units if different from µg/L.

Table 9 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol					10
2,4-Dichlorophenol					10
2,4-Dimethylphenol					10
4,6-Dinitro-o-cresol					50
2,4-Dinitrophenol					50
2-Nitrophenol					20
4-Nitrophenol					50
p-Chloro-m-cresol					10
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene					10
Acenaphthylene					10
Anthracene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [p-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
Diethyl phthalate					10
Dimethyl phthalate					10
Di-n-butyl phthalate					10
2,4-Dinitrotoluene					10
2,6-Dinitrotoluene					10
Di-n-octyl phthalate					10
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10
Pyrene					10
1,2,4-Trichlorobenzene					10

* Indicate units if different from µg/L.

Table 11 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-Hexachlorocyclohexane]					0.05
Chlordane					0.2
4,4'-DDT					0.02
4,4'-DDE					0.1
4,4'-DDD					0.1
Dieldrin					0.02
Endosulfan I (alpha)					0.01
Endosulfan II (beta)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Endrin aldehyde					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

* Indicate units if different from µg/L.

Attachment: [Click to enter text.](#)

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

Complete of Table 12 **is required** for **external outfalls**, as directed below. (Instructions, Pages 59-60)

Indicate which compound(s) are manufactured or used at the facility and provide a brief description of the conditions of its/their presence at the facility (check all that apply).

- ☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnell) CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4
- ☐ hexachlorophene (HCP) CASRN 70-30-4
- ☒ None of the above

Description: [Click to enter text.](#)

Does the applicant or anyone at the facility know or have any reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) or any congeners of TCDD may be present in the effluent proposed for discharge?

- ☐ Yes ☒ No

Description: [Click to enter text.](#)

If **yes** to either Items a **or** b, complete Table 12 as instructed.

Table 12 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDD	1					10
1,2,3,7,8-PeCDD	1.0					50
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					50
2,3,7,8-HxCDFs	0.1					50
2,3,4,7,8-HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					500
PCB 81	0.0003					500
PCB 126	0.1					500
PCB 169	0.03					500
Total						

TABLE 13 (HAZARDOUS SUBSTANCES)

Complete Table 13 **is required** for all **external outfalls** as directed below. (Instructions, Pages 60-61)

Are there any pollutants listed in the instructions (pages 55-62) believed present in the discharge?

☐ Yes ☒ No

Are there pollutants listed in Item 1.c. of Technical Report 1.0 which are believed present in the discharge and have not been analytically quantified elsewhere in this application?

☐ Yes ☒ No

If **yes** to either Items a or b, complete Table 13 as instructed.

Table 13 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	CASRN	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	Analytical Method

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: RECEIVING WATERS

This worksheet is **required** for all TPDES permit applications.

Item 1. Domestic Drinking Water Supply (Instructions, Page 80)

- a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

☐ Yes ☒ No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

1. The legal name of the owner of the drinking water supply intake: [Click to enter text.](#)
2. The distance and direction from the outfall to the drinking water supply intake: [Click to enter text.](#)

- b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

☐ Check this box to confirm the above requested information is provided.

Item 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

- a. Width of the receiving water at the outfall: [Click to enter text.](#) feet

- b. Are there oyster reefs in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: [Click to enter text.](#)

- c. Are there sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: [Click to enter text.](#)

Item 3. Classified Segment (Instructions, Page 80)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

☐ Yes ☒ No

If **yes**, stop here and do not complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

- a. Name of the immediate receiving waters: Unnamed Ditch
- b. Check the appropriate description of the immediate receiving waters:
- ☐ Lake or Pond
 - Surface area (acres): Click to enter text.
 - Average depth of the entire water body (feet): Click to enter text.
 - Average depth of water body within a 500-foot radius of the discharge point (feet): Click to enter text.
 - ☐ Man-Made Channel or Ditch
 - ☒ Stream or Creek
 - ☐ Freshwater Swamp or Marsh
 - ☐ Tidal Stream, Bayou, or Marsh
 - ☐ Open Bay
 - ☐ Other, specify:

If **Man-Made Channel or Ditch** or **Stream or Creek** were selected above, provide responses to Items 4.c – 4.g below:

- c. For **existing discharges**, check the description below that best characterizes the area **upstream** of the discharge.

For **new discharges**, check the description below that best characterizes the area **downstream** of the discharge.

- ☒ Intermittent (dry for at least one week during most years)
- ☐ Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)
- ☐ Perennial (normally flowing)

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

- ☐ USGS flow records
- ☒ personal observation
- ☐ historical observation by adjacent landowner(s)
- ☐ other, specify: Click to enter text.

- d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: Greenbriar Creek, then to Tehuacana Creek, Segment 0804F
- e. The receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.).
- ☐ Yes
 - ☒ No

If **yes**, describe how: [Click to enter text.](#)

- f. General observations of the water body during normal dry weather conditions: [Click to enter text.](#)

Date and time of observation: [Click to enter text.](#)

- g. The water body was influenced by stormwater runoff during observations.

☐ Yes ☒ No

If **yes**, describe how: [Click to enter text.](#)

Item 5. General Characteristics of Water Body (Instructions, Page 81)

- a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

☐ oil field activities	☒ urban runoff
☒ agricultural runoff	☐ septic tanks
☐ upstream discharges	☐ other, specify: Click to enter text.

- b. Uses of water body observed or evidence of such uses (check all that apply):

☐ livestock watering	☐ industrial water supply
☐ non-contact recreation	☐ irrigation withdrawal
☐ domestic water supply	☐ navigation
☒ contact recreation	☐ picnic/park activities
☒ fishing	☐ other, specify: Click to enter text.

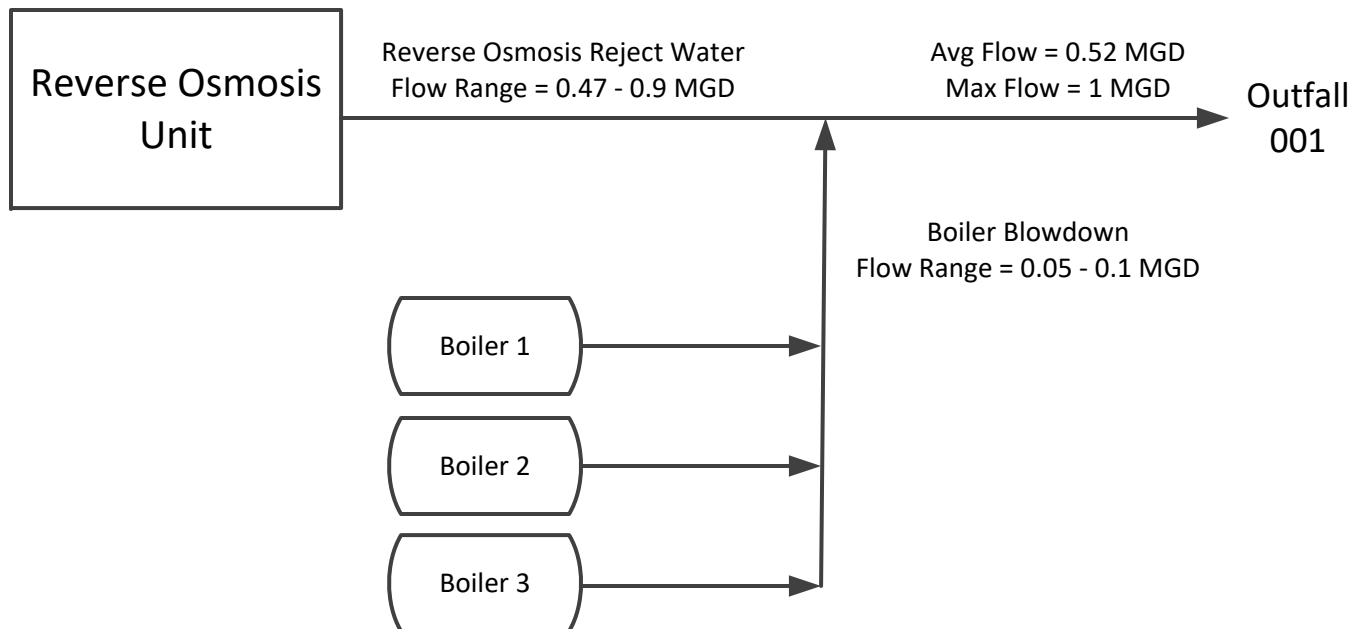
- c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

☐ **Wilderness:** outstanding natural beauty; usually wooded or un-pastured area: water clarity exceptional

☒ **Natural Area:** trees or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☐ **Common Setting:** not offensive, developed but uncluttered; water may be colored or turbid

☐ **Offensive:** stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored



Note:

1. Assumes flows are 90% RO Reject Water/10% Boiler Blowdown, but percentages can vary.



23219 Red River Dr
Katy, TX 77494

Wastewater Flow Schematic – Water Balance

**Aker Plant
Midcoast G&P East Texas**

Date:
4/10/2024

Drawn by:
RER

Attachment
H

ANALYTICAL REPORT

PREPARED FOR

Attn: Jake Ciesynski
Chem-Aqua, Inc.
2727 Chemsearch Blvd.
Irving, Texas 75062

Generated 9/25/2023 6:59:21 PM

JOB DESCRIPTION

TCEQ Permit Renewal-Momentum Energy

JOB NUMBER

870-20397-1

Eurofins Dallas

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
9/25/2023 6:59:21 PM

Authorized for release by
Mike Kimmel, Project Manager
Mike.Kimmel@et.eurofinsus.com
(214)902-0300

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	8
Surrogate Summary	13
QC Sample Results	15
QC Association Summary	42
Lab Chronicle	48
Certification Summary	50
Method Summary	52
Sample Summary	53
Subcontract Data	54
Chain of Custody	60
Receipt Checklists	64



Definitions/Glossary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Dallas

Definitions/Glossary

Client: Chem-Aqua, Inc.

Job ID: 870-20397-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Job ID: 870-20397-1

Laboratory: Eurofins Dallas

Narrative

Job Narrative 870-20397-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The sample was received on 9/5/2023 3:03 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 33.0°C

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: 5000 Tank (870-20397-1). There was no cooling media present in the cooler. The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE_ONE> proceed with/cancel analysis

Subcontract Work

Method General Subcontract Method: This method was subcontracted to Envirodyne Laboratories. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

Method 624.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 870-14952 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC/MS Semi VOA

Method 625.1: The laboratory control sample (LCS) for preparation batch 860-120537 and analytical batch 860-120468 recovered outside acceptance limits for 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and Hexachloroethane. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

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

GC Semi VOA

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

PCBs

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

HPLC/IC

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

Metals

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

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Job ID: 870-20397-1 (Continued)

Laboratory: Eurofins Dallas (Continued)

General Chemistry

Method 350.1: The matrix spike (MS) recoveries for analytical batch 860-120753 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM4500_S2_F: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with analytical batch 860-120778.

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

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20397-1

Date Collected: 09/05/23 13:00

Matrix: Water

Date Received: 09/05/23 15:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/06/23 03:19	1
1,1,2,2-Tetrachloroethane	<0.00171	U	0.00500	0.00171	mg/L			09/06/23 03:19	1
1,1,2-Trichloroethane	<0.000747	U	0.00200	0.000747	mg/L			09/06/23 03:19	1
1,1-Dichloroethane	<0.00103	U	0.00500	0.00103	mg/L			09/06/23 03:19	1
1,1-Dichloroethene	<0.000575	U	0.00200	0.000575	mg/L			09/06/23 03:19	1
1,2-Dibromoethane	<0.000631	U	0.00200	0.000631	mg/L			09/06/23 03:19	1
1,2-Dichlorobenzene	<0.000603	U	0.00200	0.000603	mg/L			09/06/23 03:19	1
1,2-Dichloroethane	<0.00153	U	0.00500	0.00153	mg/L			09/06/23 03:19	1
1,2-Dichloropropane	<0.00155	U	0.00500	0.00155	mg/L			09/06/23 03:19	1
1,3-Dichlorobenzene	<0.00108	U	0.00500	0.00108	mg/L			09/06/23 03:19	1
1,4-Dichlorobenzene	<0.000637	U	0.00200	0.000637	mg/L			09/06/23 03:19	1
2-Butanone	<0.00453	U	0.0200	0.00453	mg/L			09/06/23 03:19	1
2-Chloroethyl vinyl ether	<0.00120	U	0.00500	0.00120	mg/L			09/06/23 03:19	1
Acetone	<0.0213	U	0.0500	0.0213	mg/L			09/06/23 03:19	1
Acrolein	<0.0231	U F1	0.0500	0.0231	mg/L			09/06/23 03:19	1
Acrylonitrile	<0.00780	U	0.0500	0.00780	mg/L			09/06/23 03:19	1
Benzene	<0.000496	U	0.00200	0.000496	mg/L			09/06/23 03:19	1
Bromodichloromethane	<0.000696	U	0.00200	0.000696	mg/L			09/06/23 03:19	1
Bromoform	<0.00133	U	0.00500	0.00133	mg/L			09/06/23 03:19	1
Bromomethane	<0.00188	U	0.00500	0.00188	mg/L			09/06/23 03:19	1
Carbon tetrachloride	<0.00126	U	0.00200	0.00126	mg/L			09/06/23 03:19	1
Chlorobenzene	<0.000945	U	0.00500	0.000945	mg/L			09/06/23 03:19	1
Chloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/06/23 03:19	1
Chloroform	<0.00121	U	0.00500	0.00121	mg/L			09/06/23 03:19	1
Chloromethane	<0.000941	U	0.00500	0.000941	mg/L			09/06/23 03:19	1
Dibromochloromethane	<0.00175	U	0.00500	0.00175	mg/L			09/06/23 03:19	1
Ethylbenzene	<0.000878	U	0.00500	0.000878	mg/L			09/06/23 03:19	1
MTBE	<0.00268	U	0.0100	0.00268	mg/L			09/06/23 03:19	1
Methylene Chloride	<0.000829	U	0.00500	0.000829	mg/L			09/06/23 03:19	1
Naphthalene	<0.000927	U	0.00500	0.000927	mg/L			09/06/23 03:19	1
Tetrachloroethene	<0.000900	U	0.00500	0.000900	mg/L			09/06/23 03:19	1
Toluene	<0.00161	U	0.00500	0.00161	mg/L			09/06/23 03:19	1
Xylenes, Total	<0.00113	U	0.00500	0.00113	mg/L			09/06/23 03:19	1
Trichloroethene	<0.00169	U	0.00500	0.00169	mg/L			09/06/23 03:19	1
Trichlorofluoromethane	<0.00124	U	0.00500	0.00124	mg/L			09/06/23 03:19	1
Vinyl chloride	<0.000592	U	0.00200	0.000592	mg/L			09/06/23 03:19	1
cis-1,2-Dichloroethene	<0.000796	U	0.00500	0.000796	mg/L			09/06/23 03:19	1
cis-1,3-Dichloropropene	<0.000885	U	0.00500	0.000885	mg/L			09/06/23 03:19	1
m,p-Xylenes	<0.00113	U	0.00500	0.00113	mg/L			09/06/23 03:19	1
o-Xylene	<0.000488	U	0.00200	0.000488	mg/L			09/06/23 03:19	1
trans-1,2-Dichloroethene	<0.000903	U	0.00500	0.000903	mg/L			09/06/23 03:19	1
trans-1,3-Dichloropropene	<0.00195	U	0.00500	0.00195	mg/L			09/06/23 03:19	1
Trihalomethanes, Total	<0.00175	U	0.00500	0.00175	mg/L			09/06/23 03:19	1
Vinyl acetate	<0.00169	U F1	0.00500	0.00169	mg/L			09/06/23 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.00500	0.000692	mg/L			09/06/23 03:19	1
Cyclohexane	<0.000781	U	0.00500	0.000781	mg/L			09/06/23 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		76 - 118		09/06/23 03:19	1
4-Bromofluorobenzene (Surr)	98		76 - 119		09/06/23 03:19	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20397-1

Date Collected: 09/05/23 13:00

Matrix: Water

Date Received: 09/05/23 15:03

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	108		61 - 132		09/06/23 03:19	1
Toluene-d8 (Surr)	99		74 - 130		09/06/23 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		09/07/23 10:54	09/08/23 23:49	1
1,2-Dichlorobenzene	<0.00162	U *-	0.0100	0.00162	mg/L		09/07/23 10:54	09/08/23 23:49	1
1,3-Dichlorobenzene	<0.00144	U *-	0.0100	0.00144	mg/L		09/07/23 10:54	09/08/23 23:49	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/07/23 10:54	09/08/23 23:49	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/07/23 10:54	09/08/23 23:49	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/07/23 10:54	09/08/23 23:49	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/07/23 10:54	09/08/23 23:49	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/07/23 10:54	09/08/23 23:49	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/07/23 10:54	09/08/23 23:49	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/07/23 10:54	09/08/23 23:49	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		09/07/23 10:54	09/08/23 23:49	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		09/07/23 10:54	09/08/23 23:49	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/07/23 10:54	09/08/23 23:49	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/07/23 10:54	09/08/23 23:49	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/07/23 10:54	09/08/23 23:49	1
2-Nitroaniline	<0.00197	U	0.0100	0.00197	mg/L		09/07/23 10:54	09/08/23 23:49	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/07/23 10:54	09/08/23 23:49	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/07/23 10:54	09/08/23 23:49	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/07/23 10:54	09/08/23 23:49	1
3-Nitroaniline	<0.00225	U	0.0100	0.00225	mg/L		09/07/23 10:54	09/08/23 23:49	1
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/07/23 10:54	09/08/23 23:49	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		09/07/23 10:54	09/08/23 23:49	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/07/23 10:54	09/08/23 23:49	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/07/23 10:54	09/08/23 23:49	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/07/23 10:54	09/08/23 23:49	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/07/23 10:54	09/08/23 23:49	1
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		09/07/23 10:54	09/08/23 23:49	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/07/23 10:54	09/08/23 23:49	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/07/23 10:54	09/08/23 23:49	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/07/23 10:54	09/08/23 23:49	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/07/23 10:54	09/08/23 23:49	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/07/23 10:54	09/08/23 23:49	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/07/23 10:54	09/08/23 23:49	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/07/23 10:54	09/08/23 23:49	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/07/23 10:54	09/08/23 23:49	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/07/23 10:54	09/08/23 23:49	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/07/23 10:54	09/08/23 23:49	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/07/23 10:54	09/08/23 23:49	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/07/23 10:54	09/08/23 23:49	1
bis (2-chloroisopropyl) ether	<0.00179	U	0.0100	0.00179	mg/L		09/07/23 10:54	09/08/23 23:49	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/07/23 10:54	09/08/23 23:49	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/07/23 10:54	09/08/23 23:49	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/07/23 10:54	09/08/23 23:49	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/07/23 10:54	09/08/23 23:49	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20397-1

Date Collected: 09/05/23 13:00

Matrix: Water

Date Received: 09/05/23 15:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/07/23 10:54	09/08/23 23:49	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/07/23 10:54	09/08/23 23:49	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		09/07/23 10:54	09/08/23 23:49	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/07/23 10:54	09/08/23 23:49	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/07/23 10:54	09/08/23 23:49	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		09/07/23 10:54	09/08/23 23:49	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/07/23 10:54	09/08/23 23:49	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/07/23 10:54	09/08/23 23:49	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/07/23 10:54	09/08/23 23:49	1
Hexachloroethane	<0.000526	U *	0.00480	0.000526	mg/L		09/07/23 10:54	09/08/23 23:49	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/07/23 10:54	09/08/23 23:49	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/07/23 10:54	09/08/23 23:49	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/07/23 10:54	09/08/23 23:49	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/07/23 10:54	09/08/23 23:49	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/07/23 10:54	09/08/23 23:49	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/07/23 10:54	09/08/23 23:49	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/07/23 10:54	09/08/23 23:49	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		09/07/23 10:54	09/08/23 23:49	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/07/23 10:54	09/08/23 23:49	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/07/23 10:54	09/08/23 23:49	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		09/07/23 10:54	09/08/23 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	52		31 - 132	09/07/23 10:54	09/08/23 23:49	1
2-Fluorobiphenyl (Surr)	74		29 - 112	09/07/23 10:54	09/08/23 23:49	1
2-Fluorophenol (Surr)	28		28 - 114	09/07/23 10:54	09/08/23 23:49	1
Nitrobenzene-d5 (Surr)	80		15 - 314	09/07/23 10:54	09/08/23 23:49	1
p-Terphenyl-d14 (Surr)	94		20 - 141	09/07/23 10:54	09/08/23 23:49	1
Phenol-d5 (Surr)	16		8 - 424	09/07/23 10:54	09/08/23 23:49	1

Method: EPA 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 16:06	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 16:06	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 16:06	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 16:06	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 16:06	1
PCB-1254	<0.00000780	U	0.000100	0.0000078	mg/L		09/08/23 06:41	09/08/23 16:06	1
PCB-1260	<0.00000780	U	0.000100	0.0000078	mg/L		09/08/23 06:41	09/08/23 16:06	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/08/23 06:41	09/08/23 16:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	86		18 - 126	09/08/23 06:41	09/08/23 16:06	1
DCB Decachlorobiphenyl (Surr)	75		15 - 136	09/08/23 06:41	09/08/23 16:06	1

Method: EPA-01 615 - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000443	U	0.000200	0.0000443	mg/L		09/06/23 15:48	09/07/23 12:44	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20397-1

Date Collected: 09/05/23 13:00

Matrix: Water

Date Received: 09/05/23 15:03

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	133		45 - 150	09/06/23 15:48	09/07/23 12:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.581		0.500	0.0711	mg/L			09/13/23 17:56	1
Chloride	286		0.500	0.250	mg/L			09/13/23 17:56	1
Fluoride	0.149	J	0.500	0.100	mg/L			09/13/23 17:56	1
Sulfate	45.7		0.500	0.200	mg/L			09/13/23 17:56	1

Method: EPA 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	7.34		0.500	0.200	ng/L		09/08/23 14:30	09/11/23 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0407	J	0.0500	0.0173	mg/L		09/07/23 11:41	09/07/23 23:47	1
Iron	1.09		0.200	0.0185	mg/L		09/07/23 11:41	09/07/23 23:47	1
Magnesium	9.96		0.200	0.0428	mg/L		09/07/23 11:41	09/07/23 23:47	1
Molybdenum	<0.00261	U	0.0100	0.00261	mg/L		09/07/23 11:41	09/07/23 23:47	1
Tin	0.00968	J	0.0200	0.00668	mg/L		09/07/23 11:41	09/07/23 23:47	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.116		0.0200	0.00301	mg/L		09/08/23 10:30	09/08/23 23:12	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		09/08/23 10:30	09/08/23 23:12	1
Arsenic	0.00301	J	0.00400	0.000341	mg/L		09/08/23 10:30	09/08/23 23:12	1
Barium	0.0304		0.00400	0.000289	mg/L		09/08/23 10:30	09/08/23 23:12	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		09/08/23 10:30	09/08/23 23:12	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		09/08/23 10:30	09/08/23 23:12	1
Chromium	0.000605	J	0.00400	0.000325	mg/L		09/08/23 10:30	09/08/23 23:12	1
Cobalt	0.00407		0.00200	0.000131	mg/L		09/08/23 10:30	09/08/23 23:12	1
Copper	0.00686		0.00400	0.000690	mg/L		09/08/23 10:30	09/08/23 23:12	1
Lead	0.000410	J	0.00200	0.000140	mg/L		09/08/23 10:30	09/08/23 23:12	1
Manganese	0.0667		0.00200	0.000160	mg/L		09/08/23 10:30	09/08/23 23:12	1
Nickel	0.00411		0.00200	0.000486	mg/L		09/08/23 10:30	09/11/23 15:12	1
Selenium	0.00368		0.00200	0.000685	mg/L		09/08/23 10:30	09/08/23 23:12	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		09/08/23 10:30	09/08/23 23:12	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		09/08/23 10:30	09/08/23 23:12	1
Titanium	0.00331	J	0.00400	0.000419	mg/L		09/08/23 10:30	09/08/23 23:12	1
Zinc	0.0141		0.00400	0.000885	mg/L		09/08/23 10:30	09/08/23 23:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.0510	U F1	0.100	0.0510	mg/L			09/07/23 18:30	1
Nitrogen, Kjeldahl (EPA 351.2)	0.205		0.200	0.0890	mg/L		09/11/23 14:07	09/13/23 12:10	1
Nitrate Nitrite as N (EPA 353.2)	0.811		0.100	0.0500	mg/L			09/17/23 17:20	1
Total Phosphorus as P (EPA 365.1)	9.28		0.240	0.115	mg/L		09/08/23 19:51	09/11/23 17:24	12
Chemical Oxygen Demand (Hach 8000)	31.0		20.0	3.36	mg/L			09/11/23 12:04	1
Color, Apparent (SM 2120B)	20.0		10.0	10.0	Color Units			09/06/23 19:16	2
Color, True (SM 2120B)	5.00		5.00	5.00	Color Units			09/06/23 19:16	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20397-1

Date Collected: 09/05/23 13:00

Matrix: Water

Date Received: 09/05/23 15:03

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SM 2120B)	8.30		0.100	0.100	S.U.			09/06/23 19:16	2
Alkalinity (SM 2320B)	162		4.00	4.00	mg/L			09/06/23 23:08	1
Total Dissolved Solids (SM 2540C)	796		5.00	5.00	mg/L			09/06/23 15:05	1
Total Suspended Solids (SM 2540D)	12.4		2.78	2.78	mg/L			09/07/23 15:41	1
Chromium, hexavalent (SM 3500 CR B)	<0.00280	U	0.0100	0.00280	mg/L			09/06/23 11:25	1
Sulfide (SM 4500 S2 F)	<2.00	U	5.00	2.00	mg/L			09/08/23 14:44	1
Sulfite (SM 4500 SO3 B)	<5.00	U HF	5.00	5.00	mg/L			09/08/23 14:40	1
Biochemical Oxygen Demand (SM 5210B)	<3.00	U	3.00	3.00	mg/L			09/06/23 15:56	1
Total Organic Carbon (SM 5310C)	3.72		1.00	0.500	mg/L			09/14/23 13:26	1
Carbonaceous Biochemical Oxygen Demand (SM5210B CBOD)	<3.00	U	3.00	3.00	mg/L			09/06/23 16:24	1
Nitrogen, Total (EPA Total Nitrogen)	1.02		0.200	0.0614	mg/L			09/17/23 21:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	4.85		1.00	0.548	mg/L			09/13/23 15:37	1

Surrogate Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(76-118)	(76-119)	(61-132)	(74-130)
870-20397-1	5000 Tank	112	98	108	99
870-20397-1 MS	5000 Tank	101	99	105	98
870-20397-1 MSD	5000 Tank	97	99	105	101
LCS 870-14952/12	Lab Control Sample	102	101	108	100
LCSD 870-14952/13	Lab Control Sample Dup	100	101	107	99
MB 870-14952/14	Method Blank	109	100	100	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP	FBP	2FP	NBZ	TPHd14	PHL
		(31-132)	(29-112)	(28-114)	(15-314)	(20-141)	(8-424)
870-20397-1	5000 Tank	52	74	28	80	94	16
LCS 860-120537/2-A	Lab Control Sample	84	72	46	77	84	33
LCSD 860-120537/3-A	Lab Control Sample Dup	83	73	45	78	81	33
MB 860-120537/1-A	Method Blank	62	77	48	75	86	30

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1	DCB1
		(18-126)	(15-136)
870-20397-1	5000 Tank	86	75
LCS 860-120646/2-A	Lab Control Sample	104	81
LCSD 860-120646/3-A	Lab Control Sample Dup	62	75
MB 860-120646/1-A	Method Blank	94	102

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Surrogate Summary

Client: Chem-Aqua, Inc.

Job ID: 870-20397-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Method: 615 - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DCPAA1 (45-150)
870-20397-1	5000 Tank	133
LCS 860-120210/2-A	Lab Control Sample	125
LCSD 860-120210/3-A	Lab Control Sample Dup	132
MB 860-120210/1-A	Method Blank	127
Surrogate Legend		
DCPAA = 2,4-Dichlorophenylacetic acid		

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: MB 870-14952/14

Matrix: Water

Analysis Batch: 14952

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/05/23 21:07	1
1,1,2,2-Tetrachloroethane	<0.00171	U	0.00500	0.00171	mg/L			09/05/23 21:07	1
1,1,2-Trichloroethane	<0.000747	U	0.00200	0.000747	mg/L			09/05/23 21:07	1
1,1-Dichloroethane	<0.00103	U	0.00500	0.00103	mg/L			09/05/23 21:07	1
1,1-Dichloroethene	<0.000575	U	0.00200	0.000575	mg/L			09/05/23 21:07	1
1,2-Dibromoethane	<0.000631	U	0.00200	0.000631	mg/L			09/05/23 21:07	1
1,2-Dichlorobenzene	<0.000603	U	0.00200	0.000603	mg/L			09/05/23 21:07	1
1,2-Dichloroethane	<0.00153	U	0.00500	0.00153	mg/L			09/05/23 21:07	1
1,2-Dichloropropane	<0.00155	U	0.00500	0.00155	mg/L			09/05/23 21:07	1
1,3-Dichlorobenzene	<0.00108	U	0.00500	0.00108	mg/L			09/05/23 21:07	1
1,4-Dichlorobenzene	<0.000637	U	0.00200	0.000637	mg/L			09/05/23 21:07	1
2-Butanone	<0.00453	U	0.0200	0.00453	mg/L			09/05/23 21:07	1
2-Chloroethyl vinyl ether	<0.00120	U	0.00500	0.00120	mg/L			09/05/23 21:07	1
Acetone	<0.0213	U	0.0500	0.0213	mg/L			09/05/23 21:07	1
Acrolein	<0.0231	U	0.0500	0.0231	mg/L			09/05/23 21:07	1
Acrylonitrile	<0.00780	U	0.0500	0.00780	mg/L			09/05/23 21:07	1
Benzene	<0.000496	U	0.00200	0.000496	mg/L			09/05/23 21:07	1
Bromodichloromethane	<0.000696	U	0.00200	0.000696	mg/L			09/05/23 21:07	1
Bromoform	<0.00133	U	0.00500	0.00133	mg/L			09/05/23 21:07	1
Bromomethane	<0.00188	U	0.00500	0.00188	mg/L			09/05/23 21:07	1
Carbon tetrachloride	<0.00126	U	0.00200	0.00126	mg/L			09/05/23 21:07	1
Chlorobenzene	<0.000945	U	0.00500	0.000945	mg/L			09/05/23 21:07	1
Chloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/05/23 21:07	1
Chloroform	<0.00121	U	0.00500	0.00121	mg/L			09/05/23 21:07	1
Chloromethane	<0.000941	U	0.00500	0.000941	mg/L			09/05/23 21:07	1
Dibromochloromethane	<0.00175	U	0.00500	0.00175	mg/L			09/05/23 21:07	1
Ethylbenzene	<0.000878	U	0.00500	0.000878	mg/L			09/05/23 21:07	1
MTBE	<0.00268	U	0.0100	0.00268	mg/L			09/05/23 21:07	1
Methylene Chloride	<0.000829	U	0.00500	0.000829	mg/L			09/05/23 21:07	1
Naphthalene	<0.000927	U	0.00500	0.000927	mg/L			09/05/23 21:07	1
Tetrachloroethene	<0.000900	U	0.00500	0.000900	mg/L			09/05/23 21:07	1
Toluene	<0.00161	U	0.00500	0.00161	mg/L			09/05/23 21:07	1
Xylenes, Total	<0.00113	U	0.00500	0.00113	mg/L			09/05/23 21:07	1
Trichloroethene	<0.00169	U	0.00500	0.00169	mg/L			09/05/23 21:07	1
Trichlorofluoromethane	<0.00124	U	0.00500	0.00124	mg/L			09/05/23 21:07	1
Vinyl chloride	<0.000592	U	0.00200	0.000592	mg/L			09/05/23 21:07	1
cis-1,2-Dichloroethene	<0.000796	U	0.00500	0.000796	mg/L			09/05/23 21:07	1
cis-1,3-Dichloropropene	<0.000885	U	0.00500	0.000885	mg/L			09/05/23 21:07	1
m,p-Xylenes	<0.00113	U	0.00500	0.00113	mg/L			09/05/23 21:07	1
o-Xylene	<0.000488	U	0.00200	0.000488	mg/L			09/05/23 21:07	1
trans-1,2-Dichloroethene	<0.000903	U	0.00500	0.000903	mg/L			09/05/23 21:07	1
trans-1,3-Dichloropropene	<0.00195	U	0.00500	0.00195	mg/L			09/05/23 21:07	1
Trihalomethanes, Total	<0.00175	U	0.00500	0.00175	mg/L			09/05/23 21:07	1
Vinyl acetate	<0.00169	U	0.00500	0.00169	mg/L			09/05/23 21:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.00500	0.000692	mg/L			09/05/23 21:07	1
Cyclohexane	<0.000781	U	0.00500	0.000781	mg/L			09/05/23 21:07	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: MB 870-14952/14

Matrix: Water

Analysis Batch: 14952

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		76 - 118		09/05/23 21:07	1
4-Bromofluorobenzene (Surr)	100		76 - 119		09/05/23 21:07	1
Dibromofluoromethane (Surr)	100		61 - 132		09/05/23 21:07	1
Toluene-d8 (Surr)	101		74 - 130		09/05/23 21:07	1

Lab Sample ID: LCS 870-14952/12

Matrix: Water

Analysis Batch: 14952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0503	0.05804		mg/L		115	70 - 130
1,1,2,2-Tetrachloroethane	0.0504	0.05009		mg/L		99	70 - 130
1,1,2-Trichloroethane	0.0503	0.04963		mg/L		99	75 - 130
1,1-Dichloroethane	0.0505	0.05335		mg/L		106	71 - 130
1,1-Dichloroethene	0.0504	0.05503		mg/L		109	70 - 130
1,2-Dibromoethane	0.0504	0.05087		mg/L		101	70 - 130
1,2-Dichlorobenzene	0.0503	0.05027		mg/L		100	70 - 130
1,2-Dichloroethane	0.0505	0.05138		mg/L		102	72 - 130
1,2-Dichloropropane	0.0504	0.05159		mg/L		102	70 - 130
1,3-Dichlorobenzene	0.0504	0.05017		mg/L		100	75 - 130
1,4-Dichlorobenzene	0.0504	0.04956		mg/L		98	70 - 130
2-Butanone	0.500	0.5432		mg/L		109	70 - 130
2-Chloroethyl vinyl ether	0.0500	0.05324		mg/L		106	70 - 130
Acetone	0.501	0.5078		mg/L		101	70 - 130
Acrolein	0.498	0.5122		mg/L		103	70 - 130
Acrylonitrile	0.504	0.5376		mg/L		107	70 - 130
Benzene	0.0503	0.05287		mg/L		105	70 - 130
Bromodichloromethane	0.0505	0.05021		mg/L		99	70 - 130
Bromoform	0.0504	0.05213		mg/L		103	70 - 130
Bromomethane	0.0501	0.04883		mg/L		97	70 - 130
Carbon tetrachloride	0.0505	0.05441		mg/L		108	70 - 125
Chlorobenzene	0.0504	0.05008		mg/L		99	70 - 130
Chloroethane	0.0500	0.05311		mg/L		106	70 - 130
Chloroform	0.0505	0.05384		mg/L		107	70 - 121
Chloromethane	0.0500	0.05118		mg/L		102	70 - 130
Dibromochloromethane	0.0503	0.05006		mg/L		100	70 - 130
Ethylbenzene	0.0504	0.05223		mg/L		104	75 - 130
MTBE	0.0503	0.05489		mg/L		109	70 - 130
Methylene Chloride	0.0504	0.05587		mg/L		111	70 - 130
Naphthalene	0.0502	0.05678		mg/L		113	70 - 130
Tetrachloroethene	0.0503	0.05204		mg/L		104	70 - 130
Toluene	0.0505	0.04874		mg/L		97	75 - 130
Trichloroethene	0.0503	0.05163		mg/L		103	75 - 130
Trichlorofluoromethane	0.0500	0.05711		mg/L		114	70 - 130
Vinyl chloride	0.0500	0.05483		mg/L		110	70 - 130
cis-1,2-Dichloroethene	0.0503	0.05254		mg/L		104	70 - 130
cis-1,3-Dichloropropene	0.0505	0.05436		mg/L		108	70 - 130
m,p-Xylenes	0.0503	0.05052		mg/L		100	70 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCS 870-14952/12

Matrix: Water

Analysis Batch: 14952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.0504	0.05269		mg/L		105	70 - 130
trans-1,2-Dichloroethene	0.0505	0.05331		mg/L		106	70 - 130
trans-1,3-Dichloropropene	0.0504	0.05394		mg/L		107	70 - 130
Vinyl acetate	0.101	0.1045		mg/L		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.06088		mg/L		121	70 - 130
Cyclohexane	0.0504	0.04994		mg/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		76 - 118
4-Bromofluorobenzene (Surr)	101		76 - 119
Dibromofluoromethane (Surr)	108		61 - 132
Toluene-d8 (Surr)	100		74 - 130

Lab Sample ID: LCSD 870-14952/13

Matrix: Water

Analysis Batch: 14952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0503	0.04978		mg/L		99	70 - 130	15	21
1,1,2,2-Tetrachloroethane	0.0504	0.04683		mg/L		93	70 - 130	7	25
1,1,2-Trichloroethane	0.0503	0.04621		mg/L		92	75 - 130	7	25
1,1-Dichloroethane	0.0505	0.04651		mg/L		92	71 - 130	14	24
1,1-Dichloroethene	0.0504	0.04817		mg/L		96	70 - 130	13	25
1,2-Dibromoethane	0.0504	0.04755		mg/L		94	70 - 130	7	25
1,2-Dichlorobenzene	0.0503	0.04648		mg/L		92	70 - 130	8	25
1,2-Dichloroethane	0.0505	0.04708		mg/L		93	72 - 130	9	25
1,2-Dichloropropane	0.0504	0.04679		mg/L		93	70 - 130	10	25
1,3-Dichlorobenzene	0.0504	0.04634		mg/L		92	75 - 130	8	24
1,4-Dichlorobenzene	0.0504	0.04580		mg/L		91	70 - 130	8	25
2-Butanone	0.500	0.4760		mg/L		95	70 - 130	13	25
2-Chloroethyl vinyl ether	0.0500	0.04924		mg/L		98	70 - 130	8	25
Acetone	0.501	0.4648		mg/L		93	70 - 130	9	25
Acrolein	0.498	0.4670		mg/L		94	70 - 130	9	25
Acrylonitrile	0.504	0.4927		mg/L		98	70 - 130	9	25
Benzene	0.0503	0.04785		mg/L		95	70 - 130	10	25
Bromodichloromethane	0.0505	0.04579		mg/L		91	70 - 130	9	25
Bromoform	0.0504	0.04873		mg/L		97	70 - 130	7	25
Bromomethane	0.0501	0.04741		mg/L		95	70 - 130	3	25
Carbon tetrachloride	0.0505	0.05017		mg/L		99	70 - 125	8	25
Chlorobenzene	0.0504	0.04604		mg/L		91	70 - 130	8	25
Chloroethane	0.0500	0.05154		mg/L		103	70 - 130	3	25
Chloroform	0.0505	0.04525		mg/L		90	70 - 121	17	25
Chloromethane	0.0500	0.05003		mg/L		100	70 - 130	2	25
Dibromochloromethane	0.0503	0.04601		mg/L		92	70 - 130	8	25
Ethylbenzene	0.0504	0.04752		mg/L		94	75 - 130	9	25
MTBE	0.0503	0.04927		mg/L		98	70 - 130	11	25
Methylene Chloride	0.0504	0.04883		mg/L		97	70 - 130	13	25
Naphthalene	0.0502	0.05214		mg/L		104	70 - 130	9	25

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCSD 870-14952/13

Matrix: Water

Analysis Batch: 14952

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	0.0503	0.04713		mg/L		94	70 - 130	10	23
Toluene	0.0505	0.04497		mg/L		89	75 - 130	8	22
Trichloroethene	0.0503	0.04490		mg/L		89	75 - 130	14	25
Trichlorofluoromethane	0.0500	0.05428		mg/L		109	70 - 130	5	25
Vinyl chloride	0.0500	0.05366		mg/L		107	70 - 130	2	25
cis-1,2-Dichloroethene	0.0503	0.04884		mg/L		97	70 - 130	7	25
cis-1,3-Dichloropropene	0.0505	0.04955		mg/L		98	70 - 130	9	25
m,p-Xylenes	0.0503	0.04613		mg/L		92	70 - 130	9	25
o-Xylene	0.0504	0.04801		mg/L		95	70 - 130	9	25
trans-1,2-Dichloroethene	0.0505	0.04707		mg/L		93	70 - 130	12	25
trans-1,3-Dichloropropene	0.0504	0.04921		mg/L		98	70 - 130	9	25
Vinyl acetate	0.101	0.09804		mg/L		97	70 - 130	6	25
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.05356		mg/L		106	70 - 130	13	25
Cyclohexane	0.0504	0.04865		mg/L		96	70 - 130	3	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		76 - 118
4-Bromofluorobenzene (Surr)	101		76 - 119
Dibromofluoromethane (Surr)	107		61 - 132
Toluene-d8 (Surr)	99		74 - 130

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 14952

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	<0.00145	U	0.0503	0.05733		mg/L		114	70 - 130
1,1,2,2-Tetrachloroethane	<0.00171	U	0.0504	0.05136		mg/L		102	70 - 130
1,1,2-Trichloroethane	<0.000747	U	0.0503	0.05431		mg/L		108	70 - 130
1,1-Dichloroethane	<0.00103	U	0.0505	0.05532		mg/L		110	70 - 130
1,1-Dichloroethene	<0.000575	U	0.0504	0.05761		mg/L		114	70 - 130
1,2-Dibromoethane	<0.000631	U	0.0504	0.05446		mg/L		108	70 - 130
1,2-Dichlorobenzene	<0.000603	U	0.0503	0.05275		mg/L		105	70 - 130
1,2-Dichloroethane	<0.00153	U	0.0505	0.05600		mg/L		111	70 - 130
1,2-Dichloropropane	<0.00155	U	0.0504	0.05635		mg/L		112	70 - 130
1,3-Dichlorobenzene	<0.00108	U	0.0504	0.05251		mg/L		104	70 - 130
1,4-Dichlorobenzene	<0.000637	U	0.0504	0.05158		mg/L		102	70 - 130
2-Butanone	<0.00453	U	0.500	0.5467		mg/L		109	70 - 130
2-Chloroethyl vinyl ether	<0.00120	U	0.0500	0.05610		mg/L		112	70 - 130
Acetone	<0.0213	U	0.501	0.5503		mg/L		110	70 - 130
Acrolein	<0.0231	U F1	0.498	0.09776	F1	mg/L		20	70 - 130
Acrylonitrile	<0.00780	U	0.504	0.5842		mg/L		116	70 - 130
Benzene	<0.000496	U	0.0503	0.05938		mg/L		118	70 - 130
Bromodichloromethane	<0.000696	U	0.0505	0.05450		mg/L		108	70 - 130
Bromoform	<0.00133	U	0.0504	0.05570		mg/L		111	70 - 130
Bromomethane	<0.00188	U	0.0501	0.04611		mg/L		92	70 - 130
Carbon tetrachloride	<0.00126	U	0.0505	0.05791		mg/L		115	70 - 130
Chlorobenzene	<0.000945	U	0.0504	0.05294		mg/L		105	70 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 14952

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroethane	<0.00145	U	0.0500	0.04930		mg/L		99	70 - 130
Chloroform	<0.00121	U	0.0505	0.05329		mg/L		106	70 - 130
Chloromethane	<0.000941	U	0.0500	0.04838		mg/L		97	70 - 130
Dibromochloromethane	<0.00175	U	0.0503	0.05371		mg/L		107	70 - 130
Ethylbenzene	<0.000878	U	0.0504	0.05476		mg/L		109	70 - 130
MTBE	<0.00268	U	0.0503	0.05806		mg/L		115	70 - 130
Methylene Chloride	<0.000829	U	0.0504	0.05360		mg/L		106	70 - 130
Naphthalene	<0.000927	U	0.0502	0.05777		mg/L		115	70 - 130
Tetrachloroethene	<0.000900	U	0.0503	0.05451		mg/L		108	70 - 130
Toluene	<0.00161	U	0.0505	0.05075		mg/L		101	70 - 130
Trichloroethene	<0.00169	U	0.0503	0.05692		mg/L		113	70 - 130
Trichlorofluoromethane	<0.00124	U	0.0500	0.05224		mg/L		104	70 - 130
Vinyl chloride	<0.000592	U	0.0500	0.05000		mg/L		100	70 - 130
cis-1,2-Dichloroethene	<0.000796	U	0.0503	0.05838		mg/L		116	70 - 130
cis-1,3-Dichloropropene	<0.000885	U	0.0505	0.05427		mg/L		108	70 - 130
m,p-Xylenes	<0.00113	U	0.0503	0.05250		mg/L		104	70 - 130
o-Xylene	<0.000488	U	0.0504	0.05478		mg/L		109	70 - 130
trans-1,2-Dichloroethene	<0.000903	U	0.0505	0.05714		mg/L		113	70 - 130
trans-1,3-Dichloropropene	<0.00195	U	0.0504	0.05682		mg/L		113	70 - 130
Vinyl acetate	<0.00169	U F1	0.101	0.03536	F1	mg/L		35	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.0505	0.06026		mg/L		119	70 - 130
Cyclohexane	<0.000781	U	0.0504	0.05923		mg/L		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		76 - 118
4-Bromofluorobenzene (Surr)	99		76 - 119
Dibromofluoromethane (Surr)	105		61 - 132
Toluene-d8 (Surr)	98		74 - 130

Lab Sample ID: 870-20397-1 MSD

Matrix: Water

Analysis Batch: 14952

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	<0.00145	U	0.0503	0.05274		mg/L		105	70 - 130	8	25
1,1,2,2-Tetrachloroethane	<0.00171	U	0.0504	0.04961		mg/L		98	70 - 130	3	25
1,1,2-Trichloroethane	<0.000747	U	0.0503	0.05110		mg/L		102	70 - 130	6	25
1,1-Dichloroethane	<0.00103	U	0.0505	0.05100		mg/L		101	70 - 130	8	25
1,1-Dichloroethene	<0.000575	U	0.0504	0.05447		mg/L		108	70 - 130	6	25
1,2-Dibromoethane	<0.000631	U	0.0504	0.05237		mg/L		104	70 - 130	4	25
1,2-Dichlorobenzene	<0.000603	U	0.0503	0.05067		mg/L		101	70 - 130	4	25
1,2-Dichloroethane	<0.00153	U	0.0505	0.05177		mg/L		103	70 - 130	8	25
1,2-Dichloropropane	<0.00155	U	0.0504	0.05153		mg/L		102	70 - 130	9	25
1,3-Dichlorobenzene	<0.00108	U	0.0504	0.05040		mg/L		100	70 - 130	4	25
1,4-Dichlorobenzene	<0.000637	U	0.0504	0.04990		mg/L		99	70 - 130	3	25
2-Butanone	<0.00453	U	0.500	0.5230		mg/L		105	70 - 130	4	25
2-Chloroethyl vinyl ether	<0.00120	U	0.0500	0.05295		mg/L		106	70 - 130	6	25
Acetone	<0.0213	U	0.501	0.5451		mg/L		109	70 - 130	1	25

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: 870-20397-1 MSD

Matrix: Water

Analysis Batch: 14952

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acrolein	<0.0231	U F1	0.498	0.08724	F1	mg/L		18	70 - 130	11	25
Acrylonitrile	<0.00780	U	0.504	0.5378		mg/L		107	70 - 130	8	25
Benzene	<0.000496	U	0.0503	0.05545		mg/L		110	70 - 130	7	25
Bromodichloromethane	<0.000696	U	0.0505	0.04967		mg/L		98	70 - 130	9	25
Bromoform	<0.00133	U	0.0504	0.05326		mg/L		106	70 - 130	4	25
Bromomethane	<0.00188	U	0.0501	0.04566		mg/L		91	70 - 130	1	25
Carbon tetrachloride	<0.00126	U	0.0505	0.05348		mg/L		106	70 - 130	8	25
Chlorobenzene	<0.000945	U	0.0504	0.05096		mg/L		101	70 - 130	4	25
Chloroethane	<0.00145	U	0.0500	0.05365		mg/L		107	70 - 130	8	25
Chloroform	<0.00121	U	0.0505	0.05052		mg/L		100	70 - 130	5	25
Chloromethane	<0.000941	U	0.0500	0.05058		mg/L		101	70 - 130	4	25
Dibromochloromethane	<0.00175	U	0.0503	0.05115		mg/L		102	70 - 130	5	25
Ethylbenzene	<0.000878	U	0.0504	0.05297		mg/L		105	70 - 130	3	25
MTBE	<0.00268	U	0.0503	0.05313		mg/L		106	70 - 130	9	25
Methylene Chloride	<0.000829	U	0.0504	0.04872		mg/L		97	70 - 130	10	25
Naphthalene	<0.000927	U	0.0502	0.05681		mg/L		113	70 - 130	2	25
Tetrachloroethene	<0.000900	U	0.0503	0.05251		mg/L		104	70 - 130	4	25
Toluene	<0.00161	U	0.0505	0.04923		mg/L		98	70 - 130	3	25
Trichloroethene	<0.00169	U	0.0503	0.05220		mg/L		104	70 - 130	9	25
Trichlorofluoromethane	<0.00124	U	0.0500	0.05482		mg/L		110	70 - 130	5	25
Vinyl chloride	<0.000592	U	0.0500	0.05329		mg/L		107	70 - 130	6	25
cis-1,2-Dichloroethene	<0.000796	U	0.0503	0.05055		mg/L		100	70 - 130	14	25
cis-1,3-Dichloropropene	<0.000885	U	0.0505	0.05055		mg/L		100	70 - 130	7	25
m,p-Xylenes	<0.00113	U	0.0503	0.05076		mg/L		101	70 - 130	3	25
o-Xylene	<0.000488	U	0.0504	0.05234		mg/L		104	70 - 130	5	25
trans-1,2-Dichloroethene	<0.000903	U	0.0505	0.05189		mg/L		103	70 - 130	10	25
trans-1,3-Dichloropropene	<0.00195	U	0.0504	0.05436		mg/L		108	70 - 130	4	25
Vinyl acetate	<0.00169	U F1	0.101	0.03302	F1	mg/L		33	70 - 130	7	25
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.0505	0.05586		mg/L		111	70 - 130	8	25
Cyclohexane	<0.000781	U	0.0504	0.05562		mg/L		110	70 - 130	6	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		76 - 118
4-Bromofluorobenzene (Surr)	99		76 - 119
Dibromofluoromethane (Surr)	105		61 - 132
Toluene-d8 (Surr)	101		74 - 130

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

Lab Sample ID: MB 860-120537/1-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		09/07/23 10:54	09/07/23 17:20	1
1,2-Dichlorobenzene	<0.00162	U	0.0100	0.00162	mg/L		09/07/23 10:54	09/07/23 17:20	1
1,3-Dichlorobenzene	<0.00144	U	0.0100	0.00144	mg/L		09/07/23 10:54	09/07/23 17:20	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/07/23 10:54	09/07/23 17:20	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: MB 860-120537/1-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/07/23 10:54	09/07/23 17:20	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/07/23 10:54	09/07/23 17:20	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/07/23 10:54	09/07/23 17:20	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/07/23 10:54	09/07/23 17:20	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/07/23 10:54	09/07/23 17:20	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/07/23 10:54	09/07/23 17:20	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		09/07/23 10:54	09/07/23 17:20	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		09/07/23 10:54	09/07/23 17:20	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/07/23 10:54	09/07/23 17:20	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/07/23 10:54	09/07/23 17:20	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/07/23 10:54	09/07/23 17:20	1
2-Nitroaniline	<0.00197	U	0.0100	0.00197	mg/L		09/07/23 10:54	09/07/23 17:20	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/07/23 10:54	09/07/23 17:20	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/07/23 10:54	09/07/23 17:20	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/07/23 10:54	09/07/23 17:20	1
3-Nitroaniline	<0.00225	U	0.0100	0.00225	mg/L		09/07/23 10:54	09/07/23 17:20	1
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/07/23 10:54	09/07/23 17:20	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		09/07/23 10:54	09/07/23 17:20	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/07/23 10:54	09/07/23 17:20	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/07/23 10:54	09/07/23 17:20	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/07/23 10:54	09/07/23 17:20	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/07/23 10:54	09/07/23 17:20	1
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		09/07/23 10:54	09/07/23 17:20	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/07/23 10:54	09/07/23 17:20	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/07/23 10:54	09/07/23 17:20	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/07/23 10:54	09/07/23 17:20	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/07/23 10:54	09/07/23 17:20	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/07/23 10:54	09/07/23 17:20	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/07/23 10:54	09/07/23 17:20	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/07/23 10:54	09/07/23 17:20	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/07/23 10:54	09/07/23 17:20	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/07/23 10:54	09/07/23 17:20	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/07/23 10:54	09/07/23 17:20	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/07/23 10:54	09/07/23 17:20	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/07/23 10:54	09/07/23 17:20	1
bis (2-chloroisopropyl) ether	<0.00179	U	0.0100	0.00179	mg/L		09/07/23 10:54	09/07/23 17:20	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/07/23 10:54	09/07/23 17:20	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/07/23 10:54	09/07/23 17:20	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/07/23 10:54	09/07/23 17:20	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/07/23 10:54	09/07/23 17:20	1
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/07/23 10:54	09/07/23 17:20	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/07/23 10:54	09/07/23 17:20	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		09/07/23 10:54	09/07/23 17:20	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/07/23 10:54	09/07/23 17:20	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/07/23 10:54	09/07/23 17:20	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		09/07/23 10:54	09/07/23 17:20	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/07/23 10:54	09/07/23 17:20	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/07/23 10:54	09/07/23 17:20	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/07/23 10:54	09/07/23 17:20	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: MB 860-120537/1-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120537

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	<0.000526	U	0.00480	0.000526	mg/L		09/07/23 10:54	09/07/23 17:20	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/07/23 10:54	09/07/23 17:20	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/07/23 10:54	09/07/23 17:20	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/07/23 10:54	09/07/23 17:20	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/07/23 10:54	09/07/23 17:20	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/07/23 10:54	09/07/23 17:20	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/07/23 10:54	09/07/23 17:20	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/07/23 10:54	09/07/23 17:20	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		09/07/23 10:54	09/07/23 17:20	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/07/23 10:54	09/07/23 17:20	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/07/23 10:54	09/07/23 17:20	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		09/07/23 10:54	09/07/23 17:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 132	09/07/23 10:54	09/07/23 17:20	1
2-Fluorobiphenyl (Surr)	77		29 - 112	09/07/23 10:54	09/07/23 17:20	1
2-Fluorophenol (Surr)	48		28 - 114	09/07/23 10:54	09/07/23 17:20	1
Nitrobenzene-d5 (Surr)	75		15 - 314	09/07/23 10:54	09/07/23 17:20	1
p-Terphenyl-d14 (Surr)	86		20 - 141	09/07/23 10:54	09/07/23 17:20	1
Phenol-d5 (Surr)	30		8 - 424	09/07/23 10:54	09/07/23 17:20	1

Lab Sample ID: LCS 860-120537/2-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	0.0400	0.02363		mg/L		59	57 - 130
1,2-Dichlorobenzene	0.0400	0.02239	*-	mg/L		56	60 - 140
1,3-Dichlorobenzene	0.0400	0.02134	*-	mg/L		53	60 - 140
1,4-Dichlorobenzene	0.0400	0.02140		mg/L		54	19 - 121
2,4,5-Trichlorophenol	0.0400	0.02959		mg/L		74	35 - 111
2,4,6-Trichlorophenol	0.0400	0.02906		mg/L		73	52 - 129
2,4-Dichlorophenol	0.0400	0.02840		mg/L		71	52 - 122
2,4-Dimethylphenol	0.0400	0.02701		mg/L		68	42 - 120
2,4-Dinitrophenol	0.0400	0.02813		mg/L		70	12 - 173
2,4-Dinitrotoluene	0.0400	0.02863		mg/L		72	48 - 127
2,6-Dinitrotoluene	0.0400	0.03133		mg/L		78	68 - 137
2-Chloronaphthalene	0.0400	0.02863		mg/L		72	65 - 120
2-Chlorophenol	0.0400	0.02518		mg/L		63	36 - 120
2-Methylnaphthalene	0.0400	0.02637		mg/L		66	25 - 175
2-Methylphenol	0.0400	0.02398		mg/L		60	14 - 176
2-Nitroaniline	0.0400	0.03389		mg/L		85	34 - 121
2-Nitrophenol	0.0400	0.02795		mg/L		70	45 - 167
3 & 4 Methylphenol	0.0400	0.02250		mg/L		56	14 - 176
3,3'-Dichlorobenzidine	0.0400	0.02997		mg/L		75	18 - 213
3-Nitroaniline	0.0400	0.02873		mg/L		72	65 - 135
4,6-Dinitro-2-methylphenol	0.0400	0.03041		mg/L		76	53 - 130
4-Bromophenyl phenyl ether	0.0400	0.03096		mg/L		77	65 - 120

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCS 860-120537/2-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloro-3-methylphenol	0.0400	0.02810		mg/L		70	41 - 128
4-Chlorophenyl phenyl ether	0.0400	0.02852		mg/L		71	38 - 145
4-Nitroaniline	0.0400	0.03089		mg/L		77	65 - 135
4-Nitrophenol	0.0400	0.01636		mg/L		41	13 - 129
Acenaphthene	0.0400	0.02765		mg/L		69	60 - 132
Acenaphthylene	0.0400	0.02890		mg/L		72	54 - 126
Aniline (Phenylamine, Aminobenzene)	0.0400	0.02160		mg/L		54	5 - 115
Anthracene	0.0400	0.03278		mg/L		82	43 - 120
Benzo[a]anthracene	0.0400	0.03268		mg/L		82	42 - 133
Benzo[a]pyrene	0.0400	0.03268		mg/L		82	32 - 148
Benzo[b]fluoranthene	0.0400	0.03359		mg/L		84	42 - 140
Benzo[g,h,i]perylene	0.0400	0.03240		mg/L		81	13 - 195
Benzo[k]fluoranthene	0.0400	0.03271		mg/L		82	25 - 146
Benzoic acid	0.120	0.04509	J	mg/L		38	30 - 115
Butyl benzyl phthalate	0.0400	0.02985		mg/L		75	12 - 140
Bis(2-chloroethoxy)methane	0.0400	0.02794		mg/L		70	49 - 165
Bis(2-chloroethyl)ether	0.0400	0.02594		mg/L		65	43 - 126
bis (2-chloroisopropyl) ether	0.0400	0.02647		mg/L		66	63 - 139
Bis(2-ethylhexyl) phthalate	0.0400	0.02933		mg/L		73	29 - 137
Chrysene	0.0400	0.03220		mg/L		80	44 - 140
Dibenz(a,h)anthracene	0.0400	0.03244		mg/L		81	16 - 200
Dibenzofuran	0.0400	0.02824		mg/L		71	52 - 125
Diethyl phthalate	0.0400	0.03061		mg/L		77	17 - 120
Dimethyl phthalate	0.0400	0.02937		mg/L		73	25 - 120
Di-n-butyl phthalate	0.0400	0.03098		mg/L		77	8 - 120
Di-n-octyl phthalate	0.0400	0.03433		mg/L		86	19 - 132
Fluoranthene	0.0400	0.03416		mg/L		85	43 - 121
Fluorene	0.0400	0.02985		mg/L		75	70 - 120
Hexachlorobenzene	0.0400	0.03049		mg/L		76	8 - 142
Hexachlorobutadiene	0.0400	0.02162		mg/L		54	38 - 120
Hexachlorocyclopentadiene	0.0400	0.02076		mg/L		52	41 - 125
Hexachloroethane	0.0400	0.02056	*-	mg/L		51	55 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.03247		mg/L		81	13 - 151
Isophorone	0.0400	0.02938		mg/L		73	47 - 180
Naphthalene	0.0400	0.02527		mg/L		63	36 - 120
Nitrobenzene	0.0400	0.02843		mg/L		71	54 - 158
N-Nitrosodi-n-propylamine	0.0400	0.02870		mg/L		72	14 - 198
N-Nitrosodiphenylamine	0.0400	0.03233		mg/L		81	2 - 196
Pentachlorophenol	0.0400	0.03094		mg/L		77	38 - 152
Phenanthrene	0.0400	0.03149		mg/L		79	65 - 120
Phenol	0.0400	0.01402		mg/L		35	17 - 120
Pyrene	0.0400	0.03305		mg/L		83	70 - 120
Pyridine	0.0400	0.01372		mg/L		34	5 - 94

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		31 - 132
2-Fluorobiphenyl (Surr)	72		29 - 112

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCS 860-120537/2-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120537

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorophenol (Surr)	46		28 - 114
Nitrobenzene-d5 (Surr)	77		15 - 314
p-Terphenyl-d14 (Surr)	84		20 - 141
Phenol-d5 (Surr)	33		8 - 424

Lab Sample ID: LCSD 860-120537/3-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 120537

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	0.0400	0.02369		mg/L		59	57 - 130	0	30
1,2-Dichlorobenzene	0.0400	0.02266	*-	mg/L		57	60 - 140	1	30
1,3-Dichlorobenzene	0.0400	0.02177	*-	mg/L		54	60 - 140	2	30
1,4-Dichlorobenzene	0.0400	0.02192		mg/L		55	19 - 121	2	30
2,4,5-Trichlorophenol	0.0400	0.03058		mg/L		76	35 - 111	3	30
2,4,6-Trichlorophenol	0.0400	0.03079		mg/L		77	52 - 129	6	30
2,4-Dichlorophenol	0.0400	0.02903		mg/L		73	52 - 122	2	30
2,4-Dimethylphenol	0.0400	0.02702		mg/L		68	42 - 120	0	30
2,4-Dinitrophenol	0.0400	0.02979		mg/L		74	12 - 173	6	30
2,4-Dinitrotoluene	0.0400	0.02829		mg/L		71	48 - 127	1	25
2,6-Dinitrotoluene	0.0400	0.03173		mg/L		79	68 - 137	1	29
2-Chloronaphthalene	0.0400	0.02892		mg/L		72	65 - 120	1	15
2-Chlorophenol	0.0400	0.02552		mg/L		64	36 - 120	1	30
2-Methylnaphthalene	0.0400	0.02609		mg/L		65	25 - 175	1	30
2-Methylphenol	0.0400	0.02391		mg/L		60	14 - 176	0	30
2-Nitroaniline	0.0400	0.03445		mg/L		86	34 - 121	2	30
2-Nitrophenol	0.0400	0.03006		mg/L		75	45 - 167	7	30
3 & 4 Methylphenol	0.0400	0.02245		mg/L		56	14 - 176	0	30
3,3'-Dichlorobenzidine	0.0400	0.02984		mg/L		75	18 - 213	0	30
3-Nitroaniline	0.0400	0.02784		mg/L		70	65 - 135	3	30
4,6-Dinitro-2-methylphenol	0.0400	0.03199		mg/L		80	53 - 130	5	30
4-Bromophenyl phenyl ether	0.0400	0.03108		mg/L		78	65 - 120	0	26
4-Chloro-3-methylphenol	0.0400	0.02857		mg/L		71	41 - 128	2	30
4-Chlorophenyl phenyl ether	0.0400	0.02873		mg/L		72	38 - 145	1	30
4-Nitroaniline	0.0400	0.02977		mg/L		74	65 - 135	4	30
4-Nitrophenol	0.0400	0.01523		mg/L		38	13 - 129	7	30
Acenaphthene	0.0400	0.02818		mg/L		70	60 - 132	2	29
Acenaphthylene	0.0400	0.02963		mg/L		74	54 - 126	3	30
Aniline (Phenylamine, Aminobenzene)	0.0400	0.01966		mg/L		49	5 - 115	9	30
Anthracene	0.0400	0.03313		mg/L		83	43 - 120	1	30
Benzo[a]anthracene	0.0400	0.03278		mg/L		82	42 - 133	0	30
Benzo[a]pyrene	0.0400	0.03259		mg/L		81	32 - 148	0	30
Benzo[b]fluoranthene	0.0400	0.03461		mg/L		87	42 - 140	3	30
Benzo[g,h,i]perylene	0.0400	0.03178		mg/L		79	13 - 195	2	30
Benzo[k]fluoranthene	0.0400	0.03256		mg/L		81	25 - 146	0	30
Benzoic acid	0.120	0.05172	J	mg/L		43	30 - 115	14	30
Butyl benzyl phthalate	0.0400	0.03000		mg/L		75	12 - 140	1	30
Bis(2-chloroethoxy)methane	0.0400	0.02907		mg/L		73	49 - 165	4	30

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCSD 860-120537/3-A

Matrix: Water

Analysis Batch: 120468

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 120537

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethyl)ether	0.0400	0.02694		mg/L		67	43 - 126	4	30
bis (2-chloroisopropyl) ether	0.0400	0.02712		mg/L		68	63 - 139	2	30
Bis(2-ethylhexyl) phthalate	0.0400	0.02970		mg/L		74	29 - 137	1	30
Chrysene	0.0400	0.03229		mg/L		81	44 - 140	0	30
Dibenz(a,h)anthracene	0.0400	0.03213		mg/L		80	16 - 200	1	30
Dibenzofuran	0.0400	0.02847		mg/L		71	52 - 125	1	30
Diethyl phthalate	0.0400	0.03033		mg/L		76	17 - 120	1	30
Dimethyl phthalate	0.0400	0.02983		mg/L		75	25 - 120	2	30
Di-n-butyl phthalate	0.0400	0.03090		mg/L		77	8 - 120	0	28
Di-n-octyl phthalate	0.0400	0.03468		mg/L		87	19 - 132	1	30
Fluoranthene	0.0400	0.03370		mg/L		84	43 - 121	1	30
Fluorene	0.0400	0.02989		mg/L		75	70 - 120	0	23
Hexachlorobenzene	0.0400	0.03140		mg/L		79	8 - 142	3	30
Hexachlorobutadiene	0.0400	0.02158		mg/L		54	38 - 120	0	30
Hexachlorocyclopentadiene	0.0400	0.02380		mg/L		60	41 - 125	14	30
Hexachloroethane	0.0400	0.02056	*	mg/L		51	55 - 120	0	30
Indeno[1,2,3-cd]pyrene	0.0400	0.03261		mg/L		82	13 - 151	0	30
Isophorone	0.0400	0.03004		mg/L		75	47 - 180	2	30
Naphthalene	0.0400	0.02580		mg/L		65	36 - 120	2	30
Nitrobenzene	0.0400	0.02966		mg/L		74	54 - 158	4	30
N-Nitrosodi-n-propylamine	0.0400	0.02890		mg/L		72	14 - 198	1	30
N-Nitrosodiphenylamine	0.0400	0.03325		mg/L		83	2 - 196	3	30
Pentachlorophenol	0.0400	0.03090		mg/L		77	38 - 152	0	30
Phenanthrene	0.0400	0.03153		mg/L		79	65 - 120	0	30
Phenol	0.0400	0.01360		mg/L		34	17 - 120	3	30
Pyrene	0.0400	0.03379		mg/L		84	70 - 120	2	30
Pyridine	0.0400	0.01203		mg/L		30	5 - 94	13	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	83		31 - 132
2-Fluorobiphenyl (Surr)	73		29 - 112
2-Fluorophenol (Surr)	45		28 - 114
Nitrobenzene-d5 (Surr)	78		15 - 314
p-Terphenyl-d14 (Surr)	81		20 - 141
Phenol-d5 (Surr)	33		8 - 424

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 860-120646/1-A

Matrix: Water

Analysis Batch: 120657

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 14:33	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 14:33	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 14:33	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 14:33	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/08/23 06:41	09/08/23 14:33	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Lab Sample ID: MB 860-120646/1-A

Matrix: Water

Analysis Batch: 120657

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	<0.00000780	U	0.000100	0.00000780	mg/L		09/08/23 06:41	09/08/23 14:33	1
PCB-1260	<0.00000780	U	0.000100	0.00000780	mg/L		09/08/23 06:41	09/08/23 14:33	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/08/23 06:41	09/08/23 14:33	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	94		18 - 126				09/08/23 06:41	09/08/23 14:33	1
DCB Decachlorobiphenyl (Surr)	102		15 - 136				09/08/23 06:41	09/08/23 14:33	1

Lab Sample ID: LCS 860-120646/2-A

Matrix: Water

Analysis Batch: 120657

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.00100	0.0007941		mg/L		79	61 - 103
PCB-1260	0.00100	0.0007412		mg/L		74	37 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene (Surr)	104		18 - 126				
DCB Decachlorobiphenyl (Surr)	81		15 - 136				

Lab Sample ID: LCSD 860-120646/3-A

Matrix: Water

Analysis Batch: 120657

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 120646

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
PCB-1016	0.00100	0.0007978		mg/L		80	61 - 103	0	24
PCB-1260	0.00100	0.0008169		mg/L		82	37 - 130	10	28
Surrogate	%Recovery	LCSD Qualifier	Limits						
Tetrachloro-m-xylene (Surr)	62		18 - 126						
DCB Decachlorobiphenyl (Surr)	75		15 - 136						

Method: 615 - Herbicides (GC)

Lab Sample ID: MB 860-120210/1-A

Matrix: Water

Analysis Batch: 120270

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 120210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000444	U	0.000200	0.0000444	mg/L		09/05/23 16:52	09/06/23 10:23	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	127		45 - 150				09/05/23 16:52	09/06/23 10:23	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: 615 - Herbicides (GC) (Continued)

Lab Sample ID: LCS 860-120210/2-A

Matrix: Water

Analysis Batch: 120270

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 120210

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pentachlorophenol			0.00202	0.001946		mg/L		96	50 - 135		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
2,4-Dichlorophenylacetic acid	125		45 - 150								

Lab Sample ID: LCSD 860-120210/3-A

Matrix: Water

Analysis Batch: 120270

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 120210

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pentachlorophenol			0.00201	0.001846		mg/L		92	50 - 135	5	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
2,4-Dichlorophenylacetic acid	132		45 - 150								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-121442/3

Matrix: Water

Analysis Batch: 121442

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.0711	U	0.500	0.0711	mg/L			09/13/23 14:24	1
Chloride	<0.250	U	0.500	0.250	mg/L			09/13/23 14:24	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/13/23 14:24	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/13/23 14:24	1

Lab Sample ID: LCS 860-121442/4

Matrix: Water

Analysis Batch: 121442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.847		mg/L		98	90 - 110
Chloride	10.0	9.770		mg/L		98	90 - 110
Fluoride	10.0	10.12		mg/L		101	90 - 110
Sulfate	10.0	9.765		mg/L		98	90 - 110

Lab Sample ID: LCSD 860-121442/5

Matrix: Water

Analysis Batch: 121442

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.859		mg/L		99	90 - 110	0	20
Chloride	10.0	9.762		mg/L		98	90 - 110	0	20
Fluoride	10.0	10.10		mg/L		101	90 - 110	0	20
Sulfate	10.0	9.747		mg/L		97	90 - 110	0	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LLCS 860-121442/7

Matrix: Water

Analysis Batch: 121442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.4303	J	mg/L		86	50 - 150
Chloride	0.500	0.4736	J	mg/L		95	50 - 150
Fluoride	0.500	0.4972	J	mg/L		99	50 - 150
Sulfate	0.500	0.2880	J	mg/L		58	50 - 150

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 400-640419/3-A

Matrix: Water

Analysis Batch: 640552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 640419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.200	U	0.500	0.200	ng/L		09/08/23 16:00	09/11/23 09:50	1

Lab Sample ID: LCS 400-640419/4-A

Matrix: Water

Analysis Batch: 640552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 640419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.756		ng/L		95	79 - 121

Lab Sample ID: LCSD 400-640419/5-A

Matrix: Water

Analysis Batch: 640552

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 640419

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	5.00	4.780		ng/L		96	79 - 121	1	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-120535/1-A

Matrix: Water

Analysis Batch: 120745

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 120535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0173	U	0.0500	0.0173	mg/L		09/07/23 11:41	09/07/23 23:36	1
Iron	<0.0185	U	0.200	0.0185	mg/L		09/07/23 11:41	09/07/23 23:36	1
Magnesium	<0.0428	U	0.200	0.0428	mg/L		09/07/23 11:41	09/07/23 23:36	1
Molybdenum	<0.00261	U	0.0100	0.00261	mg/L		09/07/23 11:41	09/07/23 23:36	1
Tin	<0.00668	U	0.0200	0.00668	mg/L		09/07/23 11:41	09/07/23 23:36	1

Lab Sample ID: LCS 860-120535/2-A

Matrix: Water

Analysis Batch: 120745

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 120535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.060		mg/L		106	85 - 115
Iron	5.00	5.340		mg/L		107	85 - 115
Magnesium	25.0	25.70		mg/L		103	85 - 115
Molybdenum	1.00	1.070		mg/L		107	85 - 115

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCS 860-120535/2-A

Matrix: Water

Analysis Batch: 120745

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 120535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tin	1.00	1.080		mg/L		108	85 - 115

Lab Sample ID: LCSD 860-120535/3-A

Matrix: Water

Analysis Batch: 120745

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 120535

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.050		mg/L		105	85 - 115	1	20
Iron	5.00	5.340		mg/L		107	85 - 115	0	20
Magnesium	25.0	25.70		mg/L		103	85 - 115	0	20
Molybdenum	1.00	1.070		mg/L		107	85 - 115	0	20
Tin	1.00	1.070		mg/L		107	85 - 115	1	20

Lab Sample ID: LLCS 860-120535/4-A

Matrix: Water

Analysis Batch: 120745

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 120535

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0500	0.05030		mg/L		101	50 - 150
Iron	0.200	0.2240		mg/L		112	50 - 150
Magnesium	0.200	0.1930	J	mg/L		97	50 - 150
Molybdenum	0.0100	0.008660	J	mg/L		87	50 - 150
Tin	0.0200	0.02210		mg/L		111	50 - 150

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 120745

Client Sample ID: 5000 Tank

Prep Type: Total Recoverable

Prep Batch: 120535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0407	J	1.00	1.160		mg/L		112	70 - 130
Iron	1.09		5.00	6.620		mg/L		111	70 - 130
Magnesium	9.96		25.0	36.70		mg/L		107	70 - 130
Molybdenum	<0.00261	U	1.00	1.090		mg/L		109	70 - 130
Tin	0.00968	J	1.00	1.140		mg/L		113	70 - 130

Lab Sample ID: 870-20397-1 MSD

Matrix: Water

Analysis Batch: 120745

Client Sample ID: 5000 Tank

Prep Type: Total Recoverable

Prep Batch: 120535

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.0407	J	1.00	1.150		mg/L		111	70 - 130	1	20
Iron	1.09		5.00	6.520		mg/L		109	70 - 130	2	20
Magnesium	9.96		25.0	36.10		mg/L		105	70 - 130	2	20
Molybdenum	<0.00261	U	1.00	1.090		mg/L		109	70 - 130	0	20
Tin	0.00968	J	1.00	1.130		mg/L		112	70 - 130	1	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-120734/1-A

Matrix: Water

Analysis Batch: 121017

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00301	U	0.0200	0.00301	mg/L		09/08/23 10:30	09/08/23 21:44	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		09/08/23 10:30	09/08/23 21:44	1
Arsenic	<0.000341	U	0.00400	0.000341	mg/L		09/08/23 10:30	09/08/23 21:44	1
Barium	<0.000289	U	0.00400	0.000289	mg/L		09/08/23 10:30	09/08/23 21:44	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		09/08/23 10:30	09/08/23 21:44	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		09/08/23 10:30	09/08/23 21:44	1
Chromium	<0.000325	U	0.00400	0.000325	mg/L		09/08/23 10:30	09/08/23 21:44	1
Cobalt	<0.000131	U	0.00200	0.000131	mg/L		09/08/23 10:30	09/08/23 21:44	1
Copper	<0.000690	U	0.00400	0.000690	mg/L		09/08/23 10:30	09/08/23 21:44	1
Lead	<0.000140	U	0.00200	0.000140	mg/L		09/08/23 10:30	09/08/23 21:44	1
Manganese	<0.000160	U	0.00200	0.000160	mg/L		09/08/23 10:30	09/08/23 21:44	1
Nickel	<0.000486	U	0.00200	0.000486	mg/L		09/08/23 10:30	09/08/23 21:44	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		09/08/23 10:30	09/08/23 21:44	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		09/08/23 10:30	09/08/23 21:44	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		09/08/23 10:30	09/08/23 21:44	1
Titanium	<0.000419	U	0.00400	0.000419	mg/L		09/08/23 10:30	09/08/23 21:44	1
Zinc	<0.000885	U	0.00400	0.000885	mg/L		09/08/23 10:30	09/08/23 21:44	1

Lab Sample ID: LCS 860-120734/2-A

Matrix: Water

Analysis Batch: 121017

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4820		mg/L		96	85 - 115
Antimony	0.100	0.09325		mg/L		93	85 - 115
Arsenic	0.100	0.09645		mg/L		96	85 - 115
Barium	0.100	0.09384		mg/L		94	85 - 115
Beryllium	0.100	0.09588		mg/L		96	85 - 115
Cadmium	0.100	0.09762		mg/L		98	85 - 115
Chromium	0.100	0.09680		mg/L		97	85 - 115
Cobalt	0.100	0.09580		mg/L		96	85 - 115
Copper	0.100	0.09627		mg/L		96	85 - 115
Lead	0.100	0.09465		mg/L		95	85 - 115
Manganese	0.100	0.09559		mg/L		96	85 - 115
Nickel	0.100	0.09565		mg/L		96	85 - 115
Selenium	0.100	0.09716		mg/L		97	85 - 115
Silver	0.0500	0.04821		mg/L		96	85 - 115
Thallium	0.100	0.09502		mg/L		95	85 - 115
Titanium	0.100	0.09006		mg/L		90	85 - 115
Zinc	0.100	0.09745		mg/L		97	85 - 115

Lab Sample ID: LCSD 860-120734/3-A

Matrix: Water

Analysis Batch: 121017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4840		mg/L		97	85 - 115	0	20
Antimony	0.100	0.09555		mg/L		96	85 - 115	2	20
Arsenic	0.100	0.09569		mg/L		96	85 - 115	1	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCSD 860-120734/3-A

Matrix: Water

Analysis Batch: 121017

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.100	0.09338		mg/L		93	85 - 115	0	20
Beryllium	0.100	0.09607		mg/L		96	85 - 115	0	20
Cadmium	0.100	0.09691		mg/L		97	85 - 115	1	20
Chromium	0.100	0.09685		mg/L		97	85 - 115	0	20
Cobalt	0.100	0.09470		mg/L		95	85 - 115	1	20
Copper	0.100	0.09546		mg/L		95	85 - 115	1	20
Lead	0.100	0.09465		mg/L		95	85 - 115	0	20
Manganese	0.100	0.09529		mg/L		95	85 - 115	0	20
Nickel	0.100	0.09432		mg/L		94	85 - 115	1	20
Selenium	0.100	0.09508		mg/L		95	85 - 115	2	20
Silver	0.0500	0.04793		mg/L		96	85 - 115	1	20
Thallium	0.100	0.09502		mg/L		95	85 - 115	0	20
Titanium	0.100	0.09590		mg/L		96	85 - 115	6	20
Zinc	0.100	0.09646		mg/L		96	85 - 115	1	20

Lab Sample ID: LLCS 860-120734/4-A

Matrix: Water

Analysis Batch: 121017

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.0200	0.01851	J	mg/L		93	50 - 150
Antimony	0.00200	0.001664	J	mg/L		83	50 - 150
Arsenic	0.00400	0.003764	J	mg/L		94	50 - 150
Barium	0.00400	0.003567	J	mg/L		89	50 - 150
Beryllium	0.00200	0.001820	J	mg/L		91	50 - 150
Cadmium	0.00200	0.001881	J	mg/L		94	50 - 150
Chromium	0.00400	0.003500	J	mg/L		88	50 - 150
Cobalt	0.00200	0.001834	J	mg/L		92	50 - 150
Copper	0.00400	0.003795	J	mg/L		95	50 - 150
Lead	0.00200	0.001816	J	mg/L		91	50 - 150
Manganese	0.00200	0.002084		mg/L		104	50 - 150
Nickel	0.00200	0.001823	J	mg/L		91	50 - 150
Selenium	0.00200	0.001720	J	mg/L		86	50 - 150
Silver	0.00200	0.002003		mg/L		100	50 - 150
Thallium	0.00200	0.001814	J	mg/L		91	50 - 150
Titanium	0.00400	0.004122		mg/L		103	50 - 150
Zinc	0.00400	0.003901	J	mg/L		98	50 - 150

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 121017

Client Sample ID: 5000 Tank

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.116		0.500	0.6272		mg/L		102	70 - 130
Antimony	<0.00105	U	0.100	0.1024		mg/L		102	70 - 130
Arsenic	0.00301	J	0.100	0.1055		mg/L		102	70 - 130
Barium	0.0304		0.100	0.1327		mg/L		102	70 - 130
Beryllium	<0.000148	U	0.100	0.09730		mg/L		97	70 - 130
Cadmium	<0.0000850	U	0.100	0.09038		mg/L		90	70 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 121017

Client Sample ID: 5000 Tank

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.000605	J	0.100	0.1009		mg/L		100	70 - 130
Cobalt	0.00407		0.100	0.1020		mg/L		98	70 - 130
Copper	0.00686		0.100	0.1058		mg/L		99	70 - 130
Lead	0.000410	J	0.100	0.09442		mg/L		94	70 - 130
Manganese	0.0667		0.100	0.1598		mg/L		93	70 - 130
Selenium	0.00368		0.100	0.09920		mg/L		96	70 - 130
Silver	<0.000118	U	0.0500	0.04407		mg/L		88	70 - 130
Thallium	<0.0000960	U	0.100	0.09468		mg/L		95	70 - 130
Titanium	0.00331	J	0.100	0.1007		mg/L		97	70 - 130
Zinc	0.0141		0.100	0.1078		mg/L		94	70 - 130

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 121094

Client Sample ID: 5000 Tank

Prep Type: Total Recoverable

Prep Batch: 120734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.00411		0.100	0.09138		mg/L		87	70 - 130

Lab Sample ID: MB 860-120873/1-A

Matrix: Water

Analysis Batch: 121094

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 120873

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00301	U	0.0200	0.00301	mg/L		09/10/23 11:00	09/11/23 12:58	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		09/10/23 11:00	09/11/23 12:58	1
Arsenic	<0.000341	U	0.00400	0.000341	mg/L		09/10/23 11:00	09/11/23 12:58	1
Barium	<0.000289	U	0.00400	0.000289	mg/L		09/10/23 11:00	09/11/23 12:58	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		09/10/23 11:00	09/11/23 12:58	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		09/10/23 11:00	09/11/23 12:58	1
Chromium	<0.000325	U	0.00400	0.000325	mg/L		09/10/23 11:00	09/11/23 12:58	1
Cobalt	<0.000131	U	0.00200	0.000131	mg/L		09/10/23 11:00	09/11/23 12:58	1
Copper	<0.000690	U	0.00400	0.000690	mg/L		09/10/23 11:00	09/11/23 12:58	1
Lead	<0.000140	U	0.00200	0.000140	mg/L		09/10/23 11:00	09/11/23 12:58	1
Manganese	<0.000160	U	0.00200	0.000160	mg/L		09/10/23 11:00	09/11/23 12:58	1
Nickel	<0.000486	U	0.00200	0.000486	mg/L		09/10/23 11:00	09/11/23 12:58	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		09/10/23 11:00	09/11/23 12:58	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		09/10/23 11:00	09/11/23 12:58	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		09/10/23 11:00	09/11/23 12:58	1
Titanium	<0.000419	U	0.00400	0.000419	mg/L		09/10/23 11:00	09/11/23 12:58	1
Zinc	<0.000885	U	0.00400	0.000885	mg/L		09/10/23 11:00	09/11/23 12:58	1

Lab Sample ID: LLCS 860-120873/4-A

Matrix: Water

Analysis Batch: 121094

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 120873

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.0200	0.01541	J	mg/L		77	50 - 150
Antimony	0.00200	0.002205		mg/L		110	50 - 150
Arsenic	0.00400	0.003898	J	mg/L		97	50 - 150

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LLCS 860-120873/4-A
Matrix: Water
Analysis Batch: 121094

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 120873

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.00400	0.003461	J	mg/L		87	50 - 150
Beryllium	0.00200	0.001779	J	mg/L		89	50 - 150
Cadmium	0.00200	0.001817	J	mg/L		91	50 - 150
Chromium	0.00400	0.003487	J	mg/L		87	50 - 150
Cobalt	0.00200	0.001813	J	mg/L		91	50 - 150
Copper	0.00400	0.003698	J	mg/L		92	50 - 150
Lead	0.00200	0.001795	J	mg/L		90	50 - 150
Manganese	0.00200	0.001932	J	mg/L		97	50 - 150
Nickel	0.00200	0.001747	J	mg/L		87	50 - 150
Selenium	0.00200	0.002622		mg/L		131	50 - 150
Silver	0.00200	0.002076		mg/L		104	50 - 150
Thallium	0.00200	0.001775	J	mg/L		89	50 - 150
Titanium	0.00400	0.003711	J	mg/L		93	50 - 150
Zinc	0.00400	0.005104		mg/L		128	50 - 150

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 860-120753/16
Matrix: Water
Analysis Batch: 120753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.0510	U	0.100	0.0510	mg/L			09/07/23 18:21	1

Lab Sample ID: LCS 860-120753/17
Matrix: Water
Analysis Batch: 120753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.9147		mg/L		91	90 - 110

Lab Sample ID: LCSD 860-120753/18
Matrix: Water
Analysis Batch: 120753

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	1.00	1.028		mg/L		103	90 - 110	12	20

Lab Sample ID: 870-20397-1 MS
Matrix: Water
Analysis Batch: 120753

Client Sample ID: 5000 Tank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	<0.0510	U F1	1.00	0.8194	F1	mg/L		82	90 - 110

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: 870-20397-1 MSD

Matrix: Water

Analysis Batch: 120753

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	<0.0510	U F1	1.00	0.9320		mg/L		93	90 - 110	13	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 860-121020/31-A

Matrix: Water

Analysis Batch: 121451

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<3.56	U	8.00	3.56	mg/L		09/11/23 14:07	09/13/23 12:11	1

Lab Sample ID: MB 860-121020/4-A

Matrix: Water

Analysis Batch: 121451

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.0890	U	0.200	0.0890	mg/L		09/11/23 14:06	09/13/23 11:58	1

Lab Sample ID: LCS 860-121020/32-A

Matrix: Water

Analysis Batch: 121451

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	80.0	78.60		mg/L		98	90 - 110

Lab Sample ID: LCS 860-121020/6-A

Matrix: Water

Analysis Batch: 121451

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	2.00	1.973		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-121020/33-A

Matrix: Water

Analysis Batch: 121451

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121020

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	80.0	78.93		mg/L		99	90 - 110	0	20

Lab Sample ID: LCSD 860-121020/7-A

Matrix: Water

Analysis Batch: 121451

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121020

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	2.00	2.053		mg/L		103	90 - 110	4	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 860-121020/5-A
Matrix: Water
Analysis Batch: 121451

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121020

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.200	0.1986	J	mg/L		99	50 - 150

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 860-121983/10
Matrix: Water
Analysis Batch: 121983

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.0500	U	0.100	0.0500	mg/L			09/17/23 16:55	1

Lab Sample ID: LCS 860-121983/11
Matrix: Water
Analysis Batch: 121983

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.9566		mg/L		96	90 - 110

Lab Sample ID: LCSD 860-121983/12
Matrix: Water
Analysis Batch: 121983

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	0.9803		mg/L		98	90 - 110	2	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 860-120843/31-A
Matrix: Water
Analysis Batch: 121079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 120843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.00959	U	0.0200	0.00959	mg/L		09/08/23 19:51	09/11/23 16:50	1

Lab Sample ID: LCS 860-120843/32-A
Matrix: Water
Analysis Batch: 121079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 120843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.2336		mg/L		93	90 - 110

Lab Sample ID: LCSD 860-120843/33-A
Matrix: Water
Analysis Batch: 121079

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 120843

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	0.250	0.2409		mg/L		96	90 - 110	3	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: 8000 - COD

Lab Sample ID: MB 860-121041/3

Matrix: Water

Analysis Batch: 121041

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<3.36	U	20.0	3.36	mg/L			09/11/23 12:04	1

Lab Sample ID: LCS 860-121041/4

Matrix: Water

Analysis Batch: 121041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	102.0		mg/L		102	90 - 110

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 121041

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	31.0		100	133.0		mg/L		102	90 - 110

Lab Sample ID: 870-20397-1 MSD

Matrix: Water

Analysis Batch: 121041

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chemical Oxygen Demand	31.0		100	131.0		mg/L		100	90 - 110	2	20

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 860-120806/3

Matrix: Water

Analysis Batch: 120806

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color, Apparent	<5.00	U	5.00	5.00	Color Units			09/06/23 19:16	1
Color, True	<5.00	U	5.00	5.00	Color Units			09/06/23 19:16	1
pH	na		0.100	0.100	S.U.			09/06/23 19:16	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-120523/3

Matrix: Water

Analysis Batch: 120523

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/06/23 19:51	1

Lab Sample ID: LCS 860-120523/4

Matrix: Water

Analysis Batch: 120523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	244.9		mg/L		98	85 - 115

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 860-120523/5

Matrix: Water

Analysis Batch: 120523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	250	248.4		mg/L		99	85 - 115	1	20

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

Lab Sample ID: MB 870-14987/1

Matrix: Water

Analysis Batch: 14987

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			09/06/23 15:05	1

Lab Sample ID: LCS 870-14987/2

Matrix: Water

Analysis Batch: 14987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	998.0		mg/L		100	80 - 120		

Lab Sample ID: LCSD 870-14987/3

Matrix: Water

Analysis Batch: 14987

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1094		mg/L		109	80 - 120	9	10

Lab Sample ID: 870-20397-1 DU

Matrix: Water

Analysis Batch: 14987

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	796		864.0		mg/L				

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

Lab Sample ID: MB 870-15005/1

Matrix: Water

Analysis Batch: 15005

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<2.50	U	2.50	2.50	mg/L			09/07/23 15:41	1

Lab Sample ID: LCS 870-15005/2

Matrix: Water

Analysis Batch: 15005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	100	84.00		mg/L		84	80 - 120		

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: LCSD 870-15005/3

Matrix: Water

Analysis Batch: 15005

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	100	87.00		mg/L		87	80 - 120	4	10

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 870-14970/9

Matrix: Water

Analysis Batch: 14970

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00280	U	0.0100	0.00280	mg/L			09/06/23 11:25	1

Lab Sample ID: LCS 870-14970/10

Matrix: Water

Analysis Batch: 14970

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.499	0.5377		mg/L		108	80 - 120		

Lab Sample ID: LCSD 870-14970/11

Matrix: Water

Analysis Batch: 14970

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.499	0.5419		mg/L		109	80 - 120	1	20

Lab Sample ID: 870-20397-1 MS

Matrix: Water

Analysis Batch: 14970

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	<0.00280	U	0.499	0.4881		mg/L		98	80 - 120		

Lab Sample ID: 870-20397-1 MSD

Matrix: Water

Analysis Batch: 14970

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	<0.00280	U	0.499	0.4938		mg/L		99	80 - 120	1	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-120778/1

Matrix: Water

Analysis Batch: 120778

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.00	U	5.00	2.00	mg/L			09/08/23 14:44	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCS 860-120778/2

Matrix: Water

Analysis Batch: 120778

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	50.0	43.20		mg/L		86	80 - 120

Lab Sample ID: LCSD 860-120778/3

Matrix: Water

Analysis Batch: 120778

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	50.0	43.20		mg/L		86	80 - 120	0	20

Method: SM 4500 SO3 B - Sulfite

Lab Sample ID: MB 860-120776/1

Matrix: Water

Analysis Batch: 120776

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfite	<5.00	U	5.00	5.00	mg/L			09/08/23 14:40	1

Lab Sample ID: LCS 860-120776/2

Matrix: Water

Analysis Batch: 120776

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfite	10.0	10.00		mg/L		100	80 - 120

Lab Sample ID: LCSD 860-120776/3

Matrix: Water

Analysis Batch: 120776

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfite	10.0	10.00		mg/L		100	80 - 120	0	20

Lab Sample ID: 870-20397-1 DU

Matrix: Water

Analysis Batch: 120776

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfite	<5.00	U HF	<5.00	U	mg/L		NC	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 870-15093/2

Matrix: Water

Analysis Batch: 15093

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.7500		0.0000020 0	0.0000020 0	mg/L			09/06/23 15:07	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

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

Lab Sample ID: USB 870-15093/1

Matrix: Water

Analysis Batch: 15093

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<0.00000200	U	0.00000200	0.00000200	mg/L			09/06/23 15:03	1
			0	0					

Lab Sample ID: LCS 870-15093/3

Matrix: Water

Analysis Batch: 15093

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	173.8		mg/L		88	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: LLCS 860-121517/6

Matrix: Water

Analysis Batch: 121517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.00	1.016		mg/L		102	50 - 150

Lab Sample ID: MB 860-121728/3

Matrix: Water

Analysis Batch: 121728

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.500	U	1.00	0.500	mg/L			09/14/23 12:25	1

Lab Sample ID: LCS 860-121728/4

Matrix: Water

Analysis Batch: 121728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	5.00	5.116		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-121728/5

Matrix: Water

Analysis Batch: 121728

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	5.00	5.126		mg/L		103	90 - 110	0	20

Lab Sample ID: LLCS 860-121728/6

Matrix: Water

Analysis Batch: 121728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	6.00	3.700		mg/L		62	50 - 150

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: MB 860-121518/1-A

Matrix: Water

Analysis Batch: 121517

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.548	U	1.00	0.548	mg/L			09/13/23 14:06	1

Lab Sample ID: LCS 860-121518/2-A

Matrix: Water

Analysis Batch: 121517

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	5.00	4.908		mg/L		98	90 - 110

Lab Sample ID: LCSD 860-121518/3-A

Matrix: Water

Analysis Batch: 121517

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	5.00	4.880		mg/L		98	90 - 110	1	20

Method: SM5210B CBOD - Carbonaceous BOD, 5 Day

Lab Sample ID: SCB 870-15094/2

Matrix: Water

Analysis Batch: 15094

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	0.6510		0.0000020 0	0.0000020 0	mg/L			09/06/23 16:13	1

Lab Sample ID: USB 870-15094/1

Matrix: Water

Analysis Batch: 15094

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	<0.00000200	U	0.0000020 0	0.0000020 0	mg/L			09/06/23 16:09	1

Lab Sample ID: LCS 870-15094/3

Matrix: Water

Analysis Batch: 15094

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbonaceous Biochemical Oxygen Demand	170	166.5		mg/L		98	85 - 125

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

GC/MS VOA

Analysis Batch: 14952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	624.1	
MB 870-14952/14	Method Blank	Total/NA	Water	624.1	
LCS 870-14952/12	Lab Control Sample	Total/NA	Water	624.1	
LCSD 870-14952/13	Lab Control Sample Dup	Total/NA	Water	624.1	
870-20397-1 MS	5000 Tank	Total/NA	Water	624.1	
870-20397-1 MSD	5000 Tank	Total/NA	Water	624.1	

GC/MS Semi VOA

Analysis Batch: 120468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-120537/1-A	Method Blank	Total/NA	Water	625.1	120537
LCS 860-120537/2-A	Lab Control Sample	Total/NA	Water	625.1	120537
LCSD 860-120537/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	120537

Prep Batch: 120537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	625	
MB 860-120537/1-A	Method Blank	Total/NA	Water	625	
LCS 860-120537/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-120537/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 120804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	625.1	120537

GC Semi VOA

Prep Batch: 120210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	3511	
MB 860-120210/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-120210/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-120210/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 120270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-120210/1-A	Method Blank	Total/NA	Water	615	120210
LCS 860-120210/2-A	Lab Control Sample	Total/NA	Water	615	120210
LCSD 860-120210/3-A	Lab Control Sample Dup	Total/NA	Water	615	120210

Analysis Batch: 120476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	615	120210

Prep Batch: 120646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	608	
MB 860-120646/1-A	Method Blank	Total/NA	Water	608	
LCS 860-120646/2-A	Lab Control Sample	Total/NA	Water	608	
LCSD 860-120646/3-A	Lab Control Sample Dup	Total/NA	Water	608	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

GC Semi VOA

Analysis Batch: 120657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	608.3	120646
MB 860-120646/1-A	Method Blank	Total/NA	Water	608.3	120646
LCS 860-120646/2-A	Lab Control Sample	Total/NA	Water	608.3	120646
LCSD 860-120646/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	120646

HPLC/IC

Analysis Batch: 121442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	300.0	
MB 860-121442/3	Method Blank	Total/NA	Water	300.0	
LCS 860-121442/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-121442/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-121442/7	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 120535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total Recoverable	Water	200.7	
MB 860-120535/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-120535/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-120535/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-120535/4-A	Lab Control Sample	Total Recoverable	Water	200.7	
870-20397-1 MS	5000 Tank	Total Recoverable	Water	200.7	
870-20397-1 MSD	5000 Tank	Total Recoverable	Water	200.7	

Prep Batch: 120734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total Recoverable	Water	200.8	
MB 860-120734/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 860-120734/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 860-120734/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
LLCS 860-120734/4-A	Lab Control Sample	Total Recoverable	Water	200.8	
870-20397-1 MS	5000 Tank	Total Recoverable	Water	200.8	

Analysis Batch: 120745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	120535
MB 860-120535/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	120535
LCS 860-120535/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	120535
LCSD 860-120535/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	120535
LLCS 860-120535/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	120535
870-20397-1 MS	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	120535
870-20397-1 MSD	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	120535

Prep Batch: 120873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-120873/1-A	Method Blank	Total Recoverable	Water	200.8	
LLCS 860-120873/4-A	Lab Control Sample	Total Recoverable	Water	200.8	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Metals

Analysis Batch: 121017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total Recoverable	Water	200.8	120734
MB 860-120734/1-A	Method Blank	Total Recoverable	Water	200.8	120734
LCS 860-120734/2-A	Lab Control Sample	Total Recoverable	Water	200.8	120734
LCSD 860-120734/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	120734
LLCS 860-120734/4-A	Lab Control Sample	Total Recoverable	Water	200.8	120734
870-20397-1 MS	5000 Tank	Total Recoverable	Water	200.8	120734

Analysis Batch: 121094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total Recoverable	Water	200.8	120734
MB 860-120873/1-A	Method Blank	Total Recoverable	Water	200.8	120873
LLCS 860-120873/4-A	Lab Control Sample	Total Recoverable	Water	200.8	120873
870-20397-1 MS	5000 Tank	Total Recoverable	Water	200.8	120734

Prep Batch: 640419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	1631E	
MB 400-640419/3-A	Method Blank	Total/NA	Water	1631E	
LCS 400-640419/4-A	Lab Control Sample	Total/NA	Water	1631E	
LCSD 400-640419/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	

Analysis Batch: 640552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	1631E	640419
MB 400-640419/3-A	Method Blank	Total/NA	Water	1631E	640419
LCS 400-640419/4-A	Lab Control Sample	Total/NA	Water	1631E	640419
LCSD 400-640419/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	640419

General Chemistry

Analysis Batch: 14970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 3500 CR B	
MB 870-14970/9	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 870-14970/10	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 870-14970/11	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	
870-20397-1 MS	5000 Tank	Total/NA	Water	SM 3500 CR B	
870-20397-1 MSD	5000 Tank	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 14987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 2540C	
MB 870-14987/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-14987/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-14987/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
870-20397-1 DU	5000 Tank	Total/NA	Water	SM 2540C	

Analysis Batch: 15005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 2540D	
MB 870-15005/1	Method Blank	Total/NA	Water	SM 2540D	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

General Chemistry (Continued)

Analysis Batch: 15005 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 870-15005/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 870-15005/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 15093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 5210B	
SCB 870-15093/2	Method Blank	Total/NA	Water	SM 5210B	
USB 870-15093/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 870-15093/3	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 15094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM5210B CBOD	
SCB 870-15094/2	Method Blank	Total/NA	Water	SM5210B CBOD	
USB 870-15094/1	Method Blank	Total/NA	Water	SM5210B CBOD	
LCS 870-15094/3	Lab Control Sample	Total/NA	Water	SM5210B CBOD	

Analysis Batch: 120523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 2320B	
MB 860-120523/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-120523/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-120523/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 120753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	350.1	
MB 860-120753/16	Method Blank	Total/NA	Water	350.1	
LCS 860-120753/17	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-120753/18	Lab Control Sample Dup	Total/NA	Water	350.1	
870-20397-1 MS	5000 Tank	Total/NA	Water	350.1	
870-20397-1 MSD	5000 Tank	Total/NA	Water	350.1	

Analysis Batch: 120776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 4500 SO3 B	
MB 860-120776/1	Method Blank	Total/NA	Water	SM 4500 SO3 B	
LCS 860-120776/2	Lab Control Sample	Total/NA	Water	SM 4500 SO3 B	
LCSD 860-120776/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO3 B	
870-20397-1 DU	5000 Tank	Total/NA	Water	SM 4500 SO3 B	

Analysis Batch: 120778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 4500 S2 F	
MB 860-120778/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 860-120778/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 860-120778/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 120806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 2120B	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

General Chemistry (Continued)

Analysis Batch: 120806 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 2120B	
MB 860-120806/3	Method Blank	Total/NA	Water	SM 2120B	
LCS 860-120806/4	Lab Control Sample	Total/NA	Water	SM 2120B	
LCSD 860-120806/5	Lab Control Sample Dup	Total/NA	Water	SM 2120B	

Prep Batch: 120843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	365.2/365.3/365	
MB 860-120843/31-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 860-120843/32-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
LCSD 860-120843/33-A	Lab Control Sample Dup	Total/NA	Water	365.2/365.3/365	

Prep Batch: 121020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	351.2	
MB 860-121020/31-A	Method Blank	Total/NA	Water	351.2	
MB 860-121020/4-A	Method Blank	Total/NA	Water	351.2	
LCS 860-121020/32-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 860-121020/6-A	Lab Control Sample	Total/NA	Water	351.2	
LCSD 860-121020/33-A	Lab Control Sample Dup	Total/NA	Water	351.2	
LCSD 860-121020/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	
LLCS 860-121020/5-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 121041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	8000	
MB 860-121041/3	Method Blank	Total/NA	Water	8000	
LCS 860-121041/4	Lab Control Sample	Total/NA	Water	8000	
870-20397-1 MS	5000 Tank	Total/NA	Water	8000	
870-20397-1 MSD	5000 Tank	Total/NA	Water	8000	

Analysis Batch: 121079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	365.1	120843
MB 860-120843/31-A	Method Blank	Total/NA	Water	365.1	120843
LCS 860-120843/32-A	Lab Control Sample	Total/NA	Water	365.1	120843
LCSD 860-120843/33-A	Lab Control Sample Dup	Total/NA	Water	365.1	120843

Analysis Batch: 121451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	351.2	121020
MB 860-121020/31-A	Method Blank	Total/NA	Water	351.2	121020
MB 860-121020/4-A	Method Blank	Total/NA	Water	351.2	121020
LCS 860-121020/32-A	Lab Control Sample	Total/NA	Water	351.2	121020
LCS 860-121020/6-A	Lab Control Sample	Total/NA	Water	351.2	121020
LCSD 860-121020/33-A	Lab Control Sample Dup	Total/NA	Water	351.2	121020
LCSD 860-121020/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	121020
LLCS 860-121020/5-A	Lab Control Sample	Total/NA	Water	351.2	121020

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

General Chemistry

Analysis Batch: 121517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Dissolved	Water	SM 5310C	121518
MB 860-121518/1-A	Method Blank	Dissolved	Water	SM 5310C	121518
LCS 860-121518/2-A	Lab Control Sample	Dissolved	Water	SM 5310C	121518
LCSD 860-121518/3-A	Lab Control Sample Dup	Dissolved	Water	SM 5310C	121518
LLCS 860-121517/6	Lab Control Sample	Total/NA	Water	SM 5310C	

Filtration Batch: 121518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Dissolved	Water	Filtration	
MB 860-121518/1-A	Method Blank	Dissolved	Water	Filtration	
LCS 860-121518/2-A	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-121518/3-A	Lab Control Sample Dup	Dissolved	Water	Filtration	

Analysis Batch: 121728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	SM 5310C	
MB 860-121728/3	Method Blank	Total/NA	Water	SM 5310C	
LCS 860-121728/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 860-121728/5	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
LLCS 860-121728/6	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 121983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	353.2	
MB 860-121983/10	Method Blank	Total/NA	Water	353.2	
LCS 860-121983/11	Lab Control Sample	Total/NA	Water	353.2	
LCSD 860-121983/12	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 121992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20397-1	5000 Tank	Total/NA	Water	Total Nitrogen	

Lab Chronicle

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20397-1

Date Collected: 09/05/23 13:00

Matrix: Water

Date Received: 09/05/23 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	5 mL	5 mL	14952	09/06/23 03:19	MC	EET DAL
Total/NA	Prep	625			1000 mL	1.0 mL	120537	09/07/23 10:54	MPC	EET HOU
Total/NA	Analysis	625.1		1	1 mL	1 mL	120804	09/08/23 23:49	T1S	EET HOU
Total/NA	Prep	608			1000 mL	1.00 mL	120646	09/08/23 06:41	DR	EET HOU
Total/NA	Analysis	608.3		1			120657	09/08/23 16:06	WP	EET HOU
Total/NA	Prep	3511			50 mL	4 mL	120210	09/06/23 15:48	JN	EET HOU
Total/NA	Analysis	615		1			120476	09/07/23 12:44	A1S	EET HOU
Total/NA	Analysis	300.0		1			121442	09/13/23 17:56	RBNS	EET HOU
Total/NA	Prep	1631E			40 mL	40 mL	640419	09/08/23 14:30	VLC	EET PEN
Completed:								09/11/23 09:00 ¹		
Total/NA	Analysis	1631E		1			640552	09/11/23 10:59	VLC	EET PEN
Total Recoverable	Prep	200.7			50 mL	50 mL	120535	09/07/23 11:41	MD	EET HOU
Total Recoverable	Analysis	200.7 Rev 4.4		1			120745	09/07/23 23:47	JDM	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	120734	09/08/23 10:30	MD	EET HOU
Total Recoverable	Analysis	200.8		1			121017	09/08/23 23:12	DP	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	120734	09/08/23 10:30	MD	EET HOU
Total Recoverable	Analysis	200.8		1			121094	09/11/23 15:12	SHZ	EET HOU
Total/NA	Analysis	350.1		1	10 mL	10 mL	120753	09/07/23 18:30	ADL	EET HOU
Total/NA	Prep	351.2			20 mL	20 mL	121020	09/11/23 14:07	CL	EET HOU
Total/NA	Analysis	351.2		1			121451	09/13/23 12:10	LD	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	121983	09/17/23 17:20	ALL	EET HOU
Total/NA	Prep	365.2/365.3/365			10 mL	10 mL	120843	09/08/23 19:51	CL	EET HOU
Total/NA	Analysis	365.1		12			121079	09/11/23 17:24	AA	EET HOU
Total/NA	Analysis	8000		1	2 mL	2 mL	121041	09/11/23 12:04	HN	EET HOU
Total/NA	Analysis	SM 2120B		2	50 mL	50 mL	120806	09/06/23 19:16	YG	EET HOU
Total/NA	Analysis	SM 2120B		1	50 mL	50 mL	120806	09/06/23 19:16	YG	EET HOU
Total/NA	Analysis	SM 2320B		1			120523	09/06/23 23:08	TL	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	14987	09/06/23 15:05	KNW	EET DAL
Total/NA	Analysis	SM 2540D		1	900 mL	1000 mL	15005	09/07/23 15:41	KNW	EET DAL
Total/NA	Analysis	SM 3500 CR B		1	10 mL	10 mL	14970	09/06/23 11:25	CGG	EET DAL
Total/NA	Analysis	SM 4500 S2 F		1	200 mL	200 mL	120778	09/08/23 14:44	SCI	EET HOU
Total/NA	Analysis	SM 4500 SO3 B		1	50 mL	50 mL	120776	09/08/23 14:40	SCI	EET HOU
Total/NA	Analysis	SM 5210B		1	200 mL	300 mL	15093	09/06/23 15:56	MC	EET DAL
Dissolved	Filtration	Filtration			50 mL	50 mL	121518	09/13/23 12:00	YG	EET HOU
Dissolved	Analysis	SM 5310C		1	40 mL	40 mL	121517	09/13/23 15:37	YG	EET HOU
Total/NA	Analysis	SM 5310C		1	40 mL	40 mL	121728	09/14/23 13:26	YG	EET HOU
Total/NA	Analysis	SM5210B CBOD		1	200 mL	300 mL	15094	09/06/23 16:24	MC	EET DAL
Total/NA	Analysis	Total Nitrogen		1			121992	09/17/23 21:19	MC	EET HOU

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Laboratory References:
EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001
Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

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

Accreditation/Certification Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Laboratory: Eurofins Dallas

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	Cyclohexane
624.1		Water	Vinyl acetate

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-53	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
608.3	608	Water	Polychlorinated biphenyls, Total
615	3511	Water	Pentachlorophenol
625.1	625	Water	2-Methylnaphthalene
625.1	625	Water	2-Nitroaniline
625.1	625	Water	3 & 4 Methylphenol
625.1	625	Water	3-Nitroaniline
625.1	625	Water	4-Nitroaniline
625.1	625	Water	Aniline (Phenylamine, Aminobenzene)
625.1	625	Water	Benzoic acid
625.1	625	Water	Dibenzofuran
SM 2120B		Water	pH
SM 4500 SO3 B		Water	Sulfite
SM 5310C		Water	Dissolved Organic Carbon
Total Nitrogen		Water	Nitrogen, Total

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	12-31-23
Pennsylvania	NELAP	68-00467	01-31-24

Eurofins Dallas

Accreditation/Certification Summary

Client: Chem-Aqua, Inc.

Job ID: 870-20397-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Laboratory: Eurofins Pensacola (Continued)

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

Authority	Program	Identification Number	Expiration Date
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24

Method Summary

Client: Chem-Aqua, Inc.

Job ID: 870-20397-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET DAL
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET HOU
615	Herbicides (GC)	EPA-01	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
1631E	Mercury, Low Level (CVAFS)	EPA	EET PEN
200.7 Rev 4.4	Metals (ICP)	EPA	EET HOU
200.8	Metals (ICP/MS)	EPA	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
365.1	Phosphorus, Total	EPA	EET HOU
8000	COD	Hach	EET HOU
SM 2120B	Color, Colorimetric	SM	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DAL
SM 3500 CR B	Chromium, Hexavalent	SM	EET DAL
SM 4500 S2 F	Sulfide, Total	SM	EET HOU
SM 4500 SO3 B	Sulfite	SM	EET HOU
SM 5210B	BOD, 5-Day	SM	EET DAL
SM 5310C	TOC	SM	EET HOU
SM5210B CBOD	Carbonaceous BOD, 5 Day	SM	EET DAL
Total Nitrogen	Nitrogen, Total	EPA	EET HOU
425.1	MBAS analyzed by ECM Laboratory	EPA	Envirodyne
1631E	Preparation, Mercury, Low Level	EPA	EET PEN
200.7	Preparation, Total Recoverable Metals	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
365.2/365.3/365	Phosphorus, Total	EPA	EET HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU
Filtration	Sample Filtration	None	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

Hach = Hach Company

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

Eurofins Dallas

Sample Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20397-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-20397-1	5000 Tank	Water	09/05/23 13:00	09/05/23 15:03

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

19 September 2023

Eurofins Houston
Anita Patel
11381 Meadowglen, Suite L
Houston, TX 77082

Eurofins

Enclosed are the results of analyses for samples received by the laboratory on 07-Sep-23 12:00. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 5

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie Peterson'.

Julie Peterson
Client Services Representative



Certificate No: T104704265-22-20



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I1091

Reported:
19-Sep-23 12:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5000 Tank (870-20397-1)	23I1091-01	Water	05-Sep-23 13:00	07-Sep-23 12:00

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I1091

Reported:
19-Sep-23 12:02

5000 Tank (870-20397-1)
23I1091-01 (Water) Sampled: 05-Sep-23 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	---------	-------

Envirodyne Laboratories, Inc.

Wet Chemistry

Surfactants	<0.10	0.10	mg/L	1	B3I3868	12-Sep-23	12-Sep-23 12:47	SM5540 C	DRJ	H
-------------	-------	------	------	---	---------	-----------	-----------------	----------	-----	---

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 2311091

Reported:
19-Sep-23 12:02

Wet Chemistry - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B3I3868 - Inorganics									
Blank (B3I3868-BLK1)				Prepared & Analyzed: 06-Sep-23					
Surfactants	<0.10	0.10	mg/L						
LCS (B3I3868-BS1)				Prepared & Analyzed: 06-Sep-23					
Surfactants	0.945		mg/L	1.00		94.5	90-110		
Duplicate (B3I3868-DUP1)				Source: 23H3934-01 Prepared & Analyzed: 06-Sep-23					
Surfactants	<0.10	0.10	mg/L		<0.10		0	20	

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 2311091

Reported:
19-Sep-23 12:02

Notes and Definitions

H Hold time exceeded
ND Analyte NOT DETECTED at or above the reporting limit
< Result is less than the RL
a Analyte not available for TNI/NELAP accreditation
n Not accredited

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative

Chain of Custody Record

[illegible]

Client Information					
Sample:		JAKE CIESYNSKI			
Lab Pk#:		Kimmel Mike			
Carrier Tracking No(s):					
State of Origin					
Page 1 of 1					
Job #:					
Company: Chem-Aqua Inc.					
Address:		PO BOX 152170			
City:		Living			
TX, ZIP:		TX, 75015			
Phone:		(817) 360-9976			
Email:		jake.ciesynski@chemaqua.com			
Project Name:		TCEQ Permit Renewal-Momentum Energy			
Site:		SSOW#: 87000864			
Due Date Requested:		TAT Requested (days):			
Compliance Project:		Purchase Order not required			
PO #:		WO #:			
Analysis Requested					
Field Filtered Sample (Yes or No)		X			
Perform MS/MSD (Yes or No)		N			
615_MOD - (MOD) 615-PCP		CB S X			
5310C - Dissolved Organic Carbon (DOC)		S X			
SM4500_S2_F - TOTAL SULFIDE		S X			
350.1, 351.2, 353.2, 365.1		S X			
HACH8000_NP - COD-H8000		S X			
2120B, 2320B, 300_ORGFM_28D, 5540C		D N			
200.7, 200.8		D N			
608.3_PCB, 625.1		N X			
5310C - Total Organic Carbon (TOC)		N X			
3500_CR_B - SM3500 CR B		N X			
2540C_Calc'd, 2540D, SM5210B_Calc, SM5210B_CBODCal		N X			
624.1 - 624.1-VOC's		N X			
SM4500SO3_B - SM4500SO3 B-Sulfite		N X			
Total Number of containers		Special Instructions/Note:			
Preservation Codes:		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2OAS E - NaHSO4 R - Na2SO3 F - MeOH S - HPSO4 G - Amchlor T - TSP Dodecylhydrate H - Ascorbic Acid I - Ice U - MCAA V - PH 4-5 W - Trizma L - EDA Z - other (specify) Other: 			
Possible Hazard Identification					
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by:		Date/Time:	Date:	Received by:	Date/Time:
Jake Ciesynski	9/10/23	15:03	Cheon Aqua Company	[Signature]	9/15/23
Cooler Temperature(s) °C and Other Remarks:		32.5 / 33.0 KOA 0.5			
Ver: 06/08/2021					



Chain of Custody Record

[illegible]

To: Kyle Stacker

From: Robert Kimmel
Sent: Wednesday, September 6, 2023 11:02 AM
To: Ian Dabinett; Michael Sharp
Subject: FW: 870-20111 sample 10- Resend sample volume to Pensacola
Importance: High

INFO: INTERNAL EMAIL - Sent from your own Eurofins email domain.

We should have another 4 oz soil jar in Walkin Cooler. Can we pull and send to Pensacola. Send in bag with email print out to Attn: Kyle Stacker.

From: Kyle Stacker <Kyle.Stacker@et.eurofinsus.com>
Sent: Wednesday, September 6, 2023 10:31 AM
To: Robert Kimmel <Mike.Kimmel@et.eurofinsus.com>
Cc: Cassandra Kelso <Cassandra.Kelso@et.eurofinsus.com>
Subject: 870-20111 sample 10

INFO: INTERNAL EMAIL - Sent from your own Eurofins email domain.

Hello Mike,

It looks like the container for sample 10 on this job was received in Pensacola broken according to TALS. Could we get more volume sent for COD?

Thanks,

Kyle Stacker

General Chemistry Department Manager

Eurofins Environment Testing Southeast, LLC
3355 McLemore Drive
Pensacola, FL 32514
USA

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

Warning: IMPORTANT: TRANSMIT YOUR SHIPPING DATA AND PRINT A MANIFEST:
At the end of each shipping day, you should perform the FedEx Ground End of Day Close procedure to transmit your shipping data to FedEx. To do so, click on the Ground End of Day Close Button. If required, print the pickup manifest that appears. A printed manifest is required to be tendered along with your packages if they are being picked up by FedEx Ground. If you are dropping your packages off at a FedEx drop off location, the manifest is not required.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide and applicable tariff, available upon request. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations, including limitations on our liability, can be found in the current FedEx Service Guide and applicable tariff apply. In no event shall FedEx Ground be liable for any special, incidental, or consequential damages, including, without limitation, loss of profit, loss to the intrinsic value of the package, loss of sale, interest income or attorney's fees. Recovery cannot exceed actual documented loss. Items of extraordinary value are subject to separate limitations of liability set forth in the Service Guide and tariff. Written claims must be filed within strict time limits, see current FedEx Service Guide.

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

ORIGIN ID: KIPA (214) 902-0300
DALLAS SAMPLE RECEIPT
SHIP DATE: 06SEP23
ACTWGT: 5.00 LB
CAD: 110190004/MNET4640

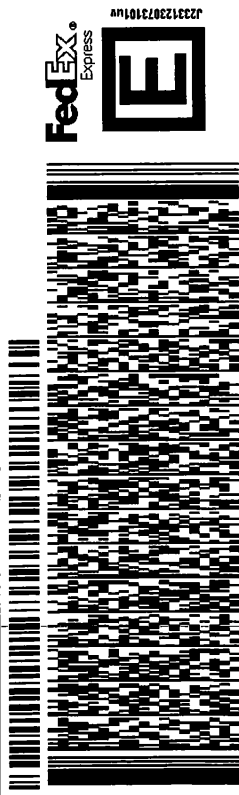
9701 HARRY HINES BLVD
DALLAS, TX 75220
UNITED STATES US

BILL SENDER

TO **SAMPLE RECEIVING**
TESTAMERICA PENSACOLA
3355 MCLEMORE DR

PENSACOLA FL 32514
REF: (850) 474-1001

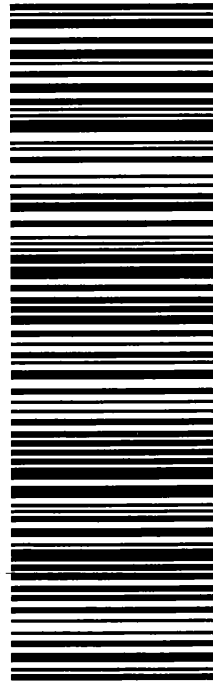
PO INV DEPT



THU - 07 SEP 10:30A
PRIORITY OVERNIGHT

TRK# 7733 2774 7912

XH PNSA
FL-JS 32514
BFB



N.O.C 5210 AB

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-20397-1

Login Number: 20397

List Number: 1

Creator: Dabinett, Ian

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-20397-1

Login Number: 20397

List Number: 2

Creator: Canadilla, Surelis

List Source: Eurofins Houston

List Creation: 09/06/23 09:01 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-20397-1

Login Number: 20397

List Number: 3

Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

List Creation: 09/07/23 05:01 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Jake Ciesynski
Chem-Aqua, Inc.
2727 Chemsearch Blvd.
Irving, Texas 75062

Generated 9/30/2023 3:22:29 PM

JOB DESCRIPTION

TCEQ Permit Renewal-Momentum Energy

JOB NUMBER

870-20627-1

Eurofins Dallas

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
9/30/2023 3:22:29 PM

Authorized for release by
Mike Kimmel, Project Manager
Mike.Kimmel@et.eurofinsus.com
(214)902-0300

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	8
Surrogate Summary	13
QC Sample Results	15
QC Association Summary	36
Lab Chronicle	41
Certification Summary	42
Method Summary	43
Sample Summary	44
Subcontract Data	45
Chain of Custody	51
Receipt Checklists	60



Definitions/Glossary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Dallas

Definitions/Glossary

Client: Chem-Aqua, Inc.

Job ID: 870-20627-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Glossary (Continued)

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

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Job ID: 870-20627-1

Laboratory: Eurofins Dallas

Narrative

Job Narrative 870-20627-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The sample was received on 9/12/2023 2:34 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 23.3°C

Receipt Exceptions

The following sample was received at the laboratory outside the required temperature criteria: 5000 Tank (870-20627-1). There was no cooling media present in the cooler.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. 1631 LL Hg method was not listed on COC, however, containers were received for the job. Logged and placed on hold until advised. MBAS

Subcontract Work

Method General Subcontract Method: This method was subcontracted to Envirodyne Laboratories. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

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

GC/MS Semi VOA

Method 625.1: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-121608 and analytical batch 860-121708 recovered outside control limits for the following analytes: Pyridine.

Method 625.1: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 5000 Tank (870-20627-1). These results have been reported and qualified.

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

GC Semi VOA

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

PCBs

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

HPLC/IC

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-122111 contained Chloride greater than the method detection limit (MDL), and were not re-analyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Job ID: 870-20627-1 (Continued)

Laboratory: Eurofins Dallas (Continued)

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-122111 contained Chloride and Fluoride greater than the method detection limit (MDL), and were not re-analyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-122111 contained Fluoride, Chloride and Sulfate greater than the method detection limit (MDL), and were not re-analyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

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

Metals

Method 200.7: The method blank for preparation batch 860-121619 contained Tin above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 200.7: The continuing calibration blank (CCB) for analytical batch 860-121857 contained Tin above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 200.8: The method blank for preparation batch 860-121616 and analytical batch 860-121732 contained Arsenic and Titanium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-122651 and analytical batch 860-123039 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM4500_S2_F: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 860-122169.

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

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20627-1

Date Collected: 09/12/23 12:30

Matrix: Water

Date Received: 09/12/23 14:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/12/23 20:17	1
1,1,2,2-Tetrachloroethane	<0.00171	U	0.00500	0.00171	mg/L			09/12/23 20:17	1
1,1,2-Trichloroethane	<0.000747	U	0.00200	0.000747	mg/L			09/12/23 20:17	1
1,1-Dichloroethane	<0.00103	U	0.00500	0.00103	mg/L			09/12/23 20:17	1
1,1-Dichloroethene	<0.000575	U	0.00200	0.000575	mg/L			09/12/23 20:17	1
1,2-Dibromoethane	<0.000631	U	0.00200	0.000631	mg/L			09/12/23 20:17	1
1,2-Dichlorobenzene	<0.000603	U	0.00200	0.000603	mg/L			09/12/23 20:17	1
1,2-Dichloroethane	<0.00153	U	0.00500	0.00153	mg/L			09/12/23 20:17	1
1,2-Dichloropropane	<0.00155	U	0.00500	0.00155	mg/L			09/12/23 20:17	1
1,3-Dichlorobenzene	<0.00108	U	0.00500	0.00108	mg/L			09/12/23 20:17	1
1,4-Dichlorobenzene	<0.000637	U	0.00200	0.000637	mg/L			09/12/23 20:17	1
2-Butanone	<0.00453	U	0.0200	0.00453	mg/L			09/12/23 20:17	1
2-Chloroethyl vinyl ether	<0.00120	U	0.00500	0.00120	mg/L			09/12/23 20:17	1
Acetone	<0.0213	U	0.0500	0.0213	mg/L			09/12/23 20:17	1
Acrolein	<0.0231	U	0.0500	0.0231	mg/L			09/12/23 20:17	1
Acrylonitrile	<0.00780	U	0.0500	0.00780	mg/L			09/12/23 20:17	1
Benzene	0.00155	J	0.00200	0.000496	mg/L			09/12/23 20:17	1
Bromodichloromethane	<0.000696	U	0.00200	0.000696	mg/L			09/12/23 20:17	1
Bromoform	<0.00133	U	0.00500	0.00133	mg/L			09/12/23 20:17	1
Bromomethane	<0.00188	U	0.00500	0.00188	mg/L			09/12/23 20:17	1
Carbon tetrachloride	<0.00126	U	0.00200	0.00126	mg/L			09/12/23 20:17	1
Chlorobenzene	<0.000945	U	0.00500	0.000945	mg/L			09/12/23 20:17	1
Chloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/12/23 20:17	1
Chloroform	<0.00121	U	0.00500	0.00121	mg/L			09/12/23 20:17	1
Chloromethane	<0.000941	U	0.00500	0.000941	mg/L			09/12/23 20:17	1
Dibromochloromethane	<0.00175	U	0.00500	0.00175	mg/L			09/12/23 20:17	1
Ethylbenzene	<0.000878	U	0.00500	0.000878	mg/L			09/12/23 20:17	1
MTBE	<0.00268	U	0.0100	0.00268	mg/L			09/12/23 20:17	1
Methylene Chloride	<0.000829	U	0.00500	0.000829	mg/L			09/12/23 20:17	1
Naphthalene	<0.000927	U	0.00500	0.000927	mg/L			09/12/23 20:17	1
Tetrachloroethene	<0.000900	U	0.00500	0.000900	mg/L			09/12/23 20:17	1
Toluene	<0.00161	U	0.00500	0.00161	mg/L			09/12/23 20:17	1
Xylenes, Total	0.00215	J	0.00500	0.00113	mg/L			09/12/23 20:17	1
Trichloroethene	<0.00169	U	0.00500	0.00169	mg/L			09/12/23 20:17	1
Trichlorofluoromethane	<0.00124	U	0.00500	0.00124	mg/L			09/12/23 20:17	1
Vinyl chloride	<0.000592	U	0.00200	0.000592	mg/L			09/12/23 20:17	1
cis-1,2-Dichloroethene	<0.000796	U	0.00500	0.000796	mg/L			09/12/23 20:17	1
cis-1,3-Dichloropropene	<0.000885	U	0.00500	0.000885	mg/L			09/12/23 20:17	1
m,p-Xylenes	0.00162	J	0.00500	0.00113	mg/L			09/12/23 20:17	1
o-Xylene	0.000525	J	0.00200	0.000488	mg/L			09/12/23 20:17	1
trans-1,2-Dichloroethene	<0.000903	U	0.00500	0.000903	mg/L			09/12/23 20:17	1
trans-1,3-Dichloropropene	<0.00195	U	0.00500	0.00195	mg/L			09/12/23 20:17	1
Trihalomethanes, Total	<0.00175	U	0.00500	0.00175	mg/L			09/12/23 20:17	1
Vinyl acetate	<0.00169	U	0.00500	0.00169	mg/L			09/12/23 20:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.00500	0.000692	mg/L			09/12/23 20:17	1
Cyclohexane	<0.000781	U	0.00500	0.000781	mg/L			09/12/23 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		76 - 118		09/12/23 20:17	1
4-Bromofluorobenzene (Surr)	98		76 - 119		09/12/23 20:17	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20627-1

Date Collected: 09/12/23 12:30

Matrix: Water

Date Received: 09/12/23 14:34

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		61 - 132		09/12/23 20:17	1
Toluene-d8 (Surr)	99		74 - 130		09/12/23 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		09/14/23 11:16	09/18/23 14:51	1
1,2-Dichlorobenzene	<0.00162	U	0.0100	0.00162	mg/L		09/14/23 11:16	09/18/23 14:51	1
1,3-Dichlorobenzene	<0.00144	U	0.0100	0.00144	mg/L		09/14/23 11:16	09/18/23 14:51	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/14/23 11:16	09/18/23 14:51	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/14/23 11:16	09/18/23 14:51	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/14/23 11:16	09/18/23 14:51	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/14/23 11:16	09/18/23 14:51	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/14/23 11:16	09/18/23 14:51	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/14/23 11:16	09/18/23 14:51	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/14/23 11:16	09/18/23 14:51	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		09/14/23 11:16	09/18/23 14:51	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		09/14/23 11:16	09/18/23 14:51	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/14/23 11:16	09/18/23 14:51	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/14/23 11:16	09/18/23 14:51	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/14/23 11:16	09/18/23 14:51	1
2-Nitroaniline	<0.00197	U	0.0100	0.00197	mg/L		09/14/23 11:16	09/18/23 14:51	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/14/23 11:16	09/18/23 14:51	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/14/23 11:16	09/18/23 14:51	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/14/23 11:16	09/18/23 14:51	1
3-Nitroaniline	<0.00225	U	0.0100	0.00225	mg/L		09/14/23 11:16	09/18/23 14:51	1
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/14/23 11:16	09/18/23 14:51	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		09/14/23 11:16	09/18/23 14:51	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/14/23 11:16	09/18/23 14:51	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/14/23 11:16	09/18/23 14:51	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/14/23 11:16	09/18/23 14:51	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/14/23 11:16	09/18/23 14:51	1
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		09/14/23 11:16	09/18/23 14:51	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/14/23 11:16	09/18/23 14:51	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/14/23 11:16	09/18/23 14:51	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/14/23 11:16	09/18/23 14:51	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/14/23 11:16	09/18/23 14:51	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/14/23 11:16	09/18/23 14:51	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/14/23 11:16	09/18/23 14:51	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/14/23 11:16	09/18/23 14:51	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/14/23 11:16	09/18/23 14:51	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/14/23 11:16	09/18/23 14:51	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/14/23 11:16	09/18/23 14:51	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/14/23 11:16	09/18/23 14:51	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/14/23 11:16	09/18/23 14:51	1
bis (2-chloroisopropyl) ether	<0.00179	U	0.0100	0.00179	mg/L		09/14/23 11:16	09/18/23 14:51	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/14/23 11:16	09/18/23 14:51	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/14/23 11:16	09/18/23 14:51	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/14/23 11:16	09/18/23 14:51	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/14/23 11:16	09/18/23 14:51	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20627-1

Date Collected: 09/12/23 12:30

Matrix: Water

Date Received: 09/12/23 14:34

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/14/23 11:16	09/18/23 14:51	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/14/23 11:16	09/18/23 14:51	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		09/14/23 11:16	09/18/23 14:51	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/14/23 11:16	09/18/23 14:51	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/14/23 11:16	09/18/23 14:51	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		09/14/23 11:16	09/18/23 14:51	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/14/23 11:16	09/18/23 14:51	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/14/23 11:16	09/18/23 14:51	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/14/23 11:16	09/18/23 14:51	1
Hexachloroethane	<0.000526	U	0.00480	0.000526	mg/L		09/14/23 11:16	09/18/23 14:51	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/14/23 11:16	09/18/23 14:51	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/14/23 11:16	09/18/23 14:51	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/14/23 11:16	09/18/23 14:51	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/14/23 11:16	09/18/23 14:51	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/14/23 11:16	09/18/23 14:51	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/14/23 11:16	09/18/23 14:51	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/14/23 11:16	09/18/23 14:51	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		09/14/23 11:16	09/18/23 14:51	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/14/23 11:16	09/18/23 14:51	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/14/23 11:16	09/18/23 14:51	1
Pyridine	<0.00264	U *1	0.0100	0.00264	mg/L		09/14/23 11:16	09/18/23 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		31 - 132	09/14/23 11:16	09/18/23 14:51	1
2-Fluorobiphenyl (Surr)	82		29 - 112	09/14/23 11:16	09/18/23 14:51	1
2-Fluorophenol (Surr)	26	S1-	28 - 114	09/14/23 11:16	09/18/23 14:51	1
Nitrobenzene-d5 (Surr)	84		15 - 314	09/14/23 11:16	09/18/23 14:51	1
p-Terphenyl-d14 (Surr)	91		20 - 141	09/14/23 11:16	09/18/23 14:51	1
Phenol-d5 (Surr)	19		8 - 424	09/14/23 11:16	09/18/23 14:51	1

Method: EPA 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 19:13	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 19:13	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 19:13	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 19:13	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 19:13	1
PCB-1254	<0.00000780	U	0.000100	0.00000780	mg/L		09/13/23 08:08	09/13/23 19:13	1
PCB-1260	<0.00000780	U	0.000100	0.00000780	mg/L		09/13/23 08:08	09/13/23 19:13	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/13/23 08:08	09/13/23 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	119		18 - 126	09/13/23 08:08	09/13/23 19:13	1
DCB Decachlorobiphenyl (Surr)	119		15 - 136	09/13/23 08:08	09/13/23 19:13	1

Method: EPA-01 615 - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000437	U	0.000197	0.0000437	mg/L		09/13/23 22:00	09/15/23 13:49	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20627-1

Date Collected: 09/12/23 12:30

Matrix: Water

Date Received: 09/12/23 14:34

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	95		45 - 150	09/13/23 22:00	09/15/23 13:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.695		0.500	0.0711	mg/L			09/19/23 03:22	1
Chloride	270		0.500	0.250	mg/L			09/19/23 03:22	1
Fluoride	0.201	J	0.500	0.100	mg/L			09/19/23 03:22	1
Sulfate	44.6		0.500	0.200	mg/L			09/19/23 03:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0402	J	0.0500	0.0173	mg/L		09/14/23 11:52	09/14/23 20:42	1
Iron	0.997		0.200	0.0185	mg/L		09/14/23 11:52	09/14/23 20:42	1
Magnesium	8.47		0.200	0.0428	mg/L		09/14/23 11:52	09/14/23 20:42	1
Molybdenum	0.00318	J	0.0100	0.00261	mg/L		09/14/23 11:52	09/14/23 20:42	1
Tin	<0.00668	U	0.0200	0.00668	mg/L		09/14/23 11:52	09/14/23 20:42	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0245		0.0200	0.00301	mg/L		09/14/23 11:47	09/14/23 17:57	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		09/14/23 11:47	09/14/23 17:57	1
Arsenic	0.00248	J B	0.00400	0.000341	mg/L		09/14/23 11:47	09/14/23 17:57	1
Barium	0.0224		0.00400	0.000289	mg/L		09/14/23 11:47	09/14/23 17:57	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		09/14/23 11:47	09/14/23 17:57	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		09/14/23 11:47	09/14/23 17:57	1
Chromium	0.000433	J	0.00400	0.000325	mg/L		09/14/23 11:47	09/14/23 17:57	1
Cobalt	0.00279		0.00200	0.000131	mg/L		09/14/23 11:47	09/14/23 17:57	1
Copper	0.00541		0.00400	0.000690	mg/L		09/14/23 11:47	09/14/23 17:57	1
Lead	0.000213	J	0.00200	0.000140	mg/L		09/14/23 11:47	09/14/23 17:57	1
Manganese	0.0776		0.00200	0.000160	mg/L		09/14/23 11:47	09/14/23 17:57	1
Nickel	0.00363		0.00200	0.000486	mg/L		09/14/23 11:47	09/14/23 17:57	1
Selenium	0.00180	J	0.00200	0.000685	mg/L		09/14/23 11:47	09/14/23 17:57	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		09/14/23 11:47	09/15/23 13:27	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		09/14/23 11:47	09/14/23 17:57	1
Titanium	0.00153	J B	0.00400	0.000419	mg/L		09/14/23 11:47	09/14/23 17:57	1
Zinc	0.00986		0.00400	0.000885	mg/L		09/14/23 11:47	09/14/23 17:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	<0.0510	U	0.100	0.0510	mg/L			09/14/23 17:32	1
Nitrogen, Kjeldahl (EPA 351.2)	0.858		0.200	0.0890	mg/L		09/18/23 19:07	09/20/23 14:11	1
Nitrate Nitrite as N (EPA 353.2)	<0.500	U	1.00	0.500	mg/L			09/19/23 20:19	10
Total Phosphorus as P (EPA 365.1)	9.53		0.500	0.240	mg/L		09/20/23 18:44	09/22/23 14:33	25
Chemical Oxygen Demand (Hach 8000)	23.0		20.0	3.36	mg/L			09/13/23 12:25	1
Color, Apparent (SM 2120B)	20.0		10.0	10.0	Color Units			09/13/23 21:54	2
Color, True (SM 2120B)	10.0		5.00	5.00	Color Units			09/13/23 21:54	1
pH (SM 2120B)	8.19		0.100	0.100	S.U.			09/13/23 21:54	2
Alkalinity (SM 2320B)	153		4.00	4.00	mg/L			09/18/23 15:29	1
Total Dissolved Solids (SM 2540C)	822		5.00	5.00	mg/L			09/15/23 16:21	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20627-1

Date Collected: 09/12/23 12:30

Matrix: Water

Date Received: 09/12/23 14:34

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (SM 2540D)	4.40		2.50	2.50	mg/L			09/14/23 17:22	1
Chromium, hexavalent (SM 3500 CR B)	<0.00280	U	0.0100	0.00280	mg/L			09/13/23 10:26	1
Sulfide (SM 4500 S2 F)	<2.00	U	5.00	2.00	mg/L			09/18/23 17:16	1
Sulfite (SM 4500 SO3 B)	<5.00	U HF	5.00	5.00	mg/L			09/18/23 17:23	1
Biochemical Oxygen Demand (SM 5210B)	<3.00	U	3.00	3.00	mg/L			09/13/23 16:11	1
Total Organic Carbon (SM 5310C)	4.32		1.00	0.500	mg/L			09/16/23 03:20	1
Carbonaceous Biochemical Oxygen Demand (SM5210B CBOD)	<3.00	U	3.00	3.00	mg/L			09/13/23 15:47	1
Nitrogen, Total (EPA Total Nitrogen)	0.858		0.200	0.0614	mg/L			09/17/23 21:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	5.45		1.00	0.548	mg/L			09/20/23 05:29	1

Surrogate Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (76-118)	BFB (76-119)	DBFM (61-132)	TOL (74-130)
870-20627-1	5000 Tank	102	98	98	99
LCS 870-15110/12	Lab Control Sample	95	100	95	100
LCSD 870-15110/13	Lab Control Sample Dup	95	100	100	99
MB 870-15110/14	Method Blank	102	99	93	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (31-132)	FBP (29-112)	2FP (28-114)	NBZ (15-314)	TPHd14 (20-141)	PHL (8-424)
870-20627-1	5000 Tank	65	82	26 S1-	84	91	19
LCS 860-121608/2-A	Lab Control Sample	81	90	56	90	96	43
LCSD 860-121608/3-A	Lab Control Sample Dup	79	86	53	87	96	43
MB 860-121608/1-A	Method Blank	78	93	54	98	117	42

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (18-126)	DCB1 (15-136)
870-20627-1	5000 Tank	119	119
LCS 860-121330/2-A	Lab Control Sample	106	124
LCSD 860-121330/3-A	Lab Control Sample Dup	112	133
MB 860-121330/1-A	Method Blank	102	92

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 615 - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCPAA1 (45-150)					
870-20627-1	5000 Tank	95					

Eurofins Dallas

Surrogate Summary

Client: Chem-Aqua, Inc.

Project/Site: TCEQ Permit Renewal-Momentum Energy

Method: 615 - Herbicides (GC) (Continued)

Matrix: Water

Job ID: 870-20627-1

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DCPAA1 (45-150)
LCS 860-121525/2-A	Lab Control Sample	137
LCSD 860-121525/3-A	Lab Control Sample Dup	145
MB 860-121525/1-A	Method Blank	110
Surrogate Legend		
DCPAA = 2,4-Dichlorophenylacetic acid		

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: MB 870-15110/14

Matrix: Water

Analysis Batch: 15110

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/12/23 16:29	1
1,1,2,2-Tetrachloroethane	<0.00171	U	0.00500	0.00171	mg/L			09/12/23 16:29	1
1,1,2-Trichloroethane	<0.000747	U	0.00200	0.000747	mg/L			09/12/23 16:29	1
1,1-Dichloroethane	<0.00103	U	0.00500	0.00103	mg/L			09/12/23 16:29	1
1,1-Dichloroethene	<0.000575	U	0.00200	0.000575	mg/L			09/12/23 16:29	1
1,2-Dibromoethane	<0.000631	U	0.00200	0.000631	mg/L			09/12/23 16:29	1
1,2-Dichlorobenzene	<0.000603	U	0.00200	0.000603	mg/L			09/12/23 16:29	1
1,2-Dichloroethane	<0.00153	U	0.00500	0.00153	mg/L			09/12/23 16:29	1
1,2-Dichloropropane	<0.00155	U	0.00500	0.00155	mg/L			09/12/23 16:29	1
1,3-Dichlorobenzene	<0.00108	U	0.00500	0.00108	mg/L			09/12/23 16:29	1
1,4-Dichlorobenzene	<0.000637	U	0.00200	0.000637	mg/L			09/12/23 16:29	1
2-Butanone	<0.00453	U	0.0200	0.00453	mg/L			09/12/23 16:29	1
2-Chloroethyl vinyl ether	<0.00120	U	0.00500	0.00120	mg/L			09/12/23 16:29	1
Acetone	<0.0213	U	0.0500	0.0213	mg/L			09/12/23 16:29	1
Acrolein	<0.0231	U	0.0500	0.0231	mg/L			09/12/23 16:29	1
Acrylonitrile	<0.00780	U	0.0500	0.00780	mg/L			09/12/23 16:29	1
Benzene	<0.000496	U	0.00200	0.000496	mg/L			09/12/23 16:29	1
Bromodichloromethane	<0.000696	U	0.00200	0.000696	mg/L			09/12/23 16:29	1
Bromoform	<0.00133	U	0.00500	0.00133	mg/L			09/12/23 16:29	1
Bromomethane	<0.00188	U	0.00500	0.00188	mg/L			09/12/23 16:29	1
Carbon tetrachloride	<0.00126	U	0.00200	0.00126	mg/L			09/12/23 16:29	1
Chlorobenzene	<0.000945	U	0.00500	0.000945	mg/L			09/12/23 16:29	1
Chloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/12/23 16:29	1
Chloroform	<0.00121	U	0.00500	0.00121	mg/L			09/12/23 16:29	1
Chloromethane	<0.000941	U	0.00500	0.000941	mg/L			09/12/23 16:29	1
Dibromochloromethane	<0.00175	U	0.00500	0.00175	mg/L			09/12/23 16:29	1
Ethylbenzene	<0.000878	U	0.00500	0.000878	mg/L			09/12/23 16:29	1
MTBE	<0.00268	U	0.0100	0.00268	mg/L			09/12/23 16:29	1
Methylene Chloride	<0.000829	U	0.00500	0.000829	mg/L			09/12/23 16:29	1
Naphthalene	<0.000927	U	0.00500	0.000927	mg/L			09/12/23 16:29	1
Tetrachloroethene	<0.000900	U	0.00500	0.000900	mg/L			09/12/23 16:29	1
Toluene	<0.00161	U	0.00500	0.00161	mg/L			09/12/23 16:29	1
Xylenes, Total	<0.00113	U	0.00500	0.00113	mg/L			09/12/23 16:29	1
Trichloroethene	<0.00169	U	0.00500	0.00169	mg/L			09/12/23 16:29	1
Trichlorofluoromethane	<0.00124	U	0.00500	0.00124	mg/L			09/12/23 16:29	1
Vinyl chloride	<0.000592	U	0.00200	0.000592	mg/L			09/12/23 16:29	1
cis-1,2-Dichloroethene	<0.000796	U	0.00500	0.000796	mg/L			09/12/23 16:29	1
cis-1,3-Dichloropropene	<0.000885	U	0.00500	0.000885	mg/L			09/12/23 16:29	1
m,p-Xylenes	<0.00113	U	0.00500	0.00113	mg/L			09/12/23 16:29	1
o-Xylene	<0.000488	U	0.00200	0.000488	mg/L			09/12/23 16:29	1
trans-1,2-Dichloroethene	<0.000903	U	0.00500	0.000903	mg/L			09/12/23 16:29	1
trans-1,3-Dichloropropene	<0.00195	U	0.00500	0.00195	mg/L			09/12/23 16:29	1
Trihalomethanes, Total	<0.00175	U	0.00500	0.00175	mg/L			09/12/23 16:29	1
Vinyl acetate	<0.00169	U	0.00500	0.00169	mg/L			09/12/23 16:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.00500	0.000692	mg/L			09/12/23 16:29	1
Cyclohexane	<0.000781	U	0.00500	0.000781	mg/L			09/12/23 16:29	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: MB 870-15110/14

Matrix: Water

Analysis Batch: 15110

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		76 - 118		09/12/23 16:29	1
4-Bromofluorobenzene (Surr)	99		76 - 119		09/12/23 16:29	1
Dibromofluoromethane (Surr)	93		61 - 132		09/12/23 16:29	1
Toluene-d8 (Surr)	101		74 - 130		09/12/23 16:29	1

Lab Sample ID: LCS 870-15110/12

Matrix: Water

Analysis Batch: 15110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0503	0.04852		mg/L		96	70 - 130
1,1,2,2-Tetrachloroethane	0.0504	0.04678		mg/L		93	70 - 130
1,1,2-Trichloroethane	0.0503	0.04823		mg/L		96	75 - 130
1,1-Dichloroethane	0.0505	0.05012		mg/L		99	71 - 130
1,1-Dichloroethene	0.0504	0.05169		mg/L		103	70 - 130
1,2-Dibromoethane	0.0504	0.04890		mg/L		97	70 - 130
1,2-Dichlorobenzene	0.0503	0.04969		mg/L		99	70 - 130
1,2-Dichloroethane	0.0505	0.04918		mg/L		97	72 - 130
1,2-Dichloropropane	0.0504	0.04810		mg/L		95	70 - 130
1,3-Dichlorobenzene	0.0504	0.04885		mg/L		97	75 - 130
1,4-Dichlorobenzene	0.0504	0.04845		mg/L		96	70 - 130
2-Butanone	0.500	0.4501		mg/L		90	70 - 130
2-Chloroethyl vinyl ether	0.0500	0.04683		mg/L		94	70 - 130
Acetone	0.501	0.4530		mg/L		90	70 - 130
Acrolein	0.498	0.4257		mg/L		86	70 - 130
Acrylonitrile	0.504	0.4688		mg/L		93	70 - 130
Benzene	0.0503	0.04917		mg/L		98	70 - 130
Bromodichloromethane	0.0505	0.04922		mg/L		98	70 - 130
Bromoform	0.0504	0.05072		mg/L		101	70 - 130
Bromomethane	0.0501	0.05490		mg/L		110	70 - 130
Carbon tetrachloride	0.0505	0.04818		mg/L		95	70 - 125
Chlorobenzene	0.0504	0.04927		mg/L		98	70 - 130
Chloroethane	0.0500	0.05901		mg/L		118	70 - 130
Chloroform	0.0505	0.04886		mg/L		97	70 - 121
Chloromethane	0.0500	0.05870		mg/L		117	70 - 130
Dibromochloromethane	0.0503	0.05279		mg/L		105	70 - 130
Ethylbenzene	0.0504	0.04965		mg/L		98	75 - 130
MTBE	0.0503	0.04964		mg/L		99	70 - 130
Methylene Chloride	0.0504	0.04841		mg/L		96	70 - 130
Naphthalene	0.0502	0.05258		mg/L		105	70 - 130
Tetrachloroethene	0.0503	0.05088		mg/L		101	70 - 130
Toluene	0.0505	0.04920		mg/L		97	75 - 130
Trichloroethene	0.0503	0.04840		mg/L		96	75 - 130
Trichlorofluoromethane	0.0500	0.05113		mg/L		102	70 - 130
Vinyl chloride	0.0500	0.06161		mg/L		123	70 - 130
cis-1,2-Dichloroethene	0.0503	0.05283		mg/L		105	70 - 130
cis-1,3-Dichloropropene	0.0505	0.05116		mg/L		101	70 - 130
m,p-Xylenes	0.0503	0.04966		mg/L		99	70 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: LCS 870-15110/12

Matrix: Water

Analysis Batch: 15110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.0504	0.05126		mg/L		102	70 - 130
trans-1,2-Dichloroethene	0.0505	0.04712		mg/L		93	70 - 130
trans-1,3-Dichloropropene	0.0504	0.05131		mg/L		102	70 - 130
Vinyl acetate	0.101	0.09074		mg/L		90	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.05039		mg/L		100	70 - 130
Cyclohexane	0.0504	0.05546		mg/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		76 - 118
4-Bromofluorobenzene (Surr)	100		76 - 119
Dibromofluoromethane (Surr)	95		61 - 132
Toluene-d8 (Surr)	100		74 - 130

Lab Sample ID: LCSD 870-15110/13

Matrix: Water

Analysis Batch: 15110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0503	0.05265		mg/L		105	70 - 130	8	21
1,1,2,2-Tetrachloroethane	0.0504	0.05310		mg/L		105	70 - 130	13	25
1,1,2-Trichloroethane	0.0503	0.05388		mg/L		107	75 - 130	11	25
1,1-Dichloroethane	0.0505	0.05377		mg/L		106	71 - 130	7	24
1,1-Dichloroethene	0.0504	0.05618		mg/L		112	70 - 130	8	25
1,2-Dibromoethane	0.0504	0.05458		mg/L		108	70 - 130	11	25
1,2-Dichlorobenzene	0.0503	0.05491		mg/L		109	70 - 130	10	25
1,2-Dichloroethane	0.0505	0.05422		mg/L		107	72 - 130	10	25
1,2-Dichloropropane	0.0504	0.05849		mg/L		116	70 - 130	19	25
1,3-Dichlorobenzene	0.0504	0.05366		mg/L		107	75 - 130	9	24
1,4-Dichlorobenzene	0.0504	0.05366		mg/L		106	70 - 130	10	25
2-Butanone	0.500	0.5097		mg/L		102	70 - 130	12	25
2-Chloroethyl vinyl ether	0.0500	0.05538		mg/L		111	70 - 130	17	25
Acetone	0.501	0.5122		mg/L		102	70 - 130	12	25
Acrolein	0.498	0.4843		mg/L		97	70 - 130	13	25
Acrylonitrile	0.504	0.5373		mg/L		107	70 - 130	14	25
Benzene	0.0503	0.05675		mg/L		113	70 - 130	14	25
Bromodichloromethane	0.0505	0.05728		mg/L		114	70 - 130	15	25
Bromoform	0.0504	0.05659		mg/L		112	70 - 130	11	25
Bromomethane	0.0501	0.05446		mg/L		109	70 - 130	1	25
Carbon tetrachloride	0.0505	0.05976		mg/L		118	70 - 125	21	25
Chlorobenzene	0.0504	0.05403		mg/L		107	70 - 130	9	25
Chloroethane	0.0500	0.05926		mg/L		119	70 - 130	0	25
Chloroform	0.0505	0.05236		mg/L		104	70 - 121	7	25
Chloromethane	0.0500	0.05807		mg/L		116	70 - 130	1	25
Dibromochloromethane	0.0503	0.05781		mg/L		115	70 - 130	9	25
Ethylbenzene	0.0504	0.05427		mg/L		108	75 - 130	9	25
MTBE	0.0503	0.05408		mg/L		108	70 - 130	9	25
Methylene Chloride	0.0504	0.05719		mg/L		114	70 - 130	17	25
Naphthalene	0.0502	0.05999		mg/L		119	70 - 130	13	25

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: LCSD 870-15110/13

Matrix: Water

Analysis Batch: 15110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	0.0503	0.05558		mg/L		111	70 - 130	9	23
Toluene	0.0505	0.05364		mg/L		106	75 - 130	9	22
Trichloroethene	0.0503	0.05783		mg/L		115	75 - 130	18	25
Trichlorofluoromethane	0.0500	0.04973		mg/L		99	70 - 130	3	25
Vinyl chloride	0.0500	0.06101		mg/L		122	70 - 130	1	25
cis-1,2-Dichloroethene	0.0503	0.05373		mg/L		107	70 - 130	2	25
cis-1,3-Dichloropropene	0.0505	0.05993		mg/L		119	70 - 130	16	25
m,p-Xylenes	0.0503	0.05437		mg/L		108	70 - 130	9	25
o-Xylene	0.0504	0.05617		mg/L		112	70 - 130	9	25
trans-1,2-Dichloroethene	0.0505	0.05407		mg/L		107	70 - 130	14	25
trans-1,3-Dichloropropene	0.0504	0.05661		mg/L		112	70 - 130	10	25
Vinyl acetate	0.101	0.1077		mg/L		107	70 - 130	17	25
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.05471		mg/L		108	70 - 130	8	25
Cyclohexane	0.0504	0.06056		mg/L		120	70 - 130	9	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		76 - 118
4-Bromofluorobenzene (Surr)	100		76 - 119
Dibromofluoromethane (Surr)	100		61 - 132
Toluene-d8 (Surr)	99		74 - 130

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

Lab Sample ID: MB 860-121608/1-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		09/14/23 11:16	09/14/23 18:25	1
1,2-Dichlorobenzene	<0.00162	U	0.0100	0.00162	mg/L		09/14/23 11:16	09/14/23 18:25	1
1,3-Dichlorobenzene	<0.00144	U	0.0100	0.00144	mg/L		09/14/23 11:16	09/14/23 18:25	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/14/23 11:16	09/14/23 18:25	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/14/23 11:16	09/14/23 18:25	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/14/23 11:16	09/14/23 18:25	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/14/23 11:16	09/14/23 18:25	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/14/23 11:16	09/14/23 18:25	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/14/23 11:16	09/14/23 18:25	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/14/23 11:16	09/14/23 18:25	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		09/14/23 11:16	09/14/23 18:25	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		09/14/23 11:16	09/14/23 18:25	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/14/23 11:16	09/14/23 18:25	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/14/23 11:16	09/14/23 18:25	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/14/23 11:16	09/14/23 18:25	1
2-Nitroaniline	<0.00197	U	0.0100	0.00197	mg/L		09/14/23 11:16	09/14/23 18:25	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/14/23 11:16	09/14/23 18:25	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/14/23 11:16	09/14/23 18:25	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/14/23 11:16	09/14/23 18:25	1
3-Nitroaniline	<0.00225	U	0.0100	0.00225	mg/L		09/14/23 11:16	09/14/23 18:25	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: MB 860-121608/1-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/14/23 11:16	09/14/23 18:25	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		09/14/23 11:16	09/14/23 18:25	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/14/23 11:16	09/14/23 18:25	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/14/23 11:16	09/14/23 18:25	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/14/23 11:16	09/14/23 18:25	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/14/23 11:16	09/14/23 18:25	1
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		09/14/23 11:16	09/14/23 18:25	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/14/23 11:16	09/14/23 18:25	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/14/23 11:16	09/14/23 18:25	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/14/23 11:16	09/14/23 18:25	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/14/23 11:16	09/14/23 18:25	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/14/23 11:16	09/14/23 18:25	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/14/23 11:16	09/14/23 18:25	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/14/23 11:16	09/14/23 18:25	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/14/23 11:16	09/14/23 18:25	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/14/23 11:16	09/14/23 18:25	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/14/23 11:16	09/14/23 18:25	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/14/23 11:16	09/14/23 18:25	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/14/23 11:16	09/14/23 18:25	1
bis (2-chloroisopropyl) ether	<0.00179	U	0.0100	0.00179	mg/L		09/14/23 11:16	09/14/23 18:25	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/14/23 11:16	09/14/23 18:25	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/14/23 11:16	09/14/23 18:25	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/14/23 11:16	09/14/23 18:25	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/14/23 11:16	09/14/23 18:25	1
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/14/23 11:16	09/14/23 18:25	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/14/23 11:16	09/14/23 18:25	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		09/14/23 11:16	09/14/23 18:25	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/14/23 11:16	09/14/23 18:25	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/14/23 11:16	09/14/23 18:25	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		09/14/23 11:16	09/14/23 18:25	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/14/23 11:16	09/14/23 18:25	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/14/23 11:16	09/14/23 18:25	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/14/23 11:16	09/14/23 18:25	1
Hexachloroethane	<0.000526	U	0.00480	0.000526	mg/L		09/14/23 11:16	09/14/23 18:25	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/14/23 11:16	09/14/23 18:25	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/14/23 11:16	09/14/23 18:25	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/14/23 11:16	09/14/23 18:25	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/14/23 11:16	09/14/23 18:25	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/14/23 11:16	09/14/23 18:25	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/14/23 11:16	09/14/23 18:25	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/14/23 11:16	09/14/23 18:25	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		09/14/23 11:16	09/14/23 18:25	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/14/23 11:16	09/14/23 18:25	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/14/23 11:16	09/14/23 18:25	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		09/14/23 11:16	09/14/23 18:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	78		31 - 132	09/14/23 11:16	09/14/23 18:25	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: MB 860-121608/1-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121608

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		29 - 112	09/14/23 11:16	09/14/23 18:25	1
2-Fluorophenol (Surr)	54		28 - 114	09/14/23 11:16	09/14/23 18:25	1
Nitrobenzene-d5 (Surr)	98		15 - 314	09/14/23 11:16	09/14/23 18:25	1
p-Terphenyl-d14 (Surr)	117		20 - 141	09/14/23 11:16	09/14/23 18:25	1
Phenol-d5 (Surr)	42		8 - 424	09/14/23 11:16	09/14/23 18:25	1

Lab Sample ID: LCS 860-121608/2-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	0.0400	0.02845		mg/L		71	57 - 130
1,2-Dichlorobenzene	0.0400	0.02771		mg/L		69	60 - 140
1,3-Dichlorobenzene	0.0400	0.02715		mg/L		68	60 - 140
1,4-Dichlorobenzene	0.0400	0.02744		mg/L		69	19 - 121
2,4,5-Trichlorophenol	0.0400	0.03547		mg/L		89	35 - 111
2,4,6-Trichlorophenol	0.0400	0.03636		mg/L		91	52 - 129
2,4-Dichlorophenol	0.0400	0.03608		mg/L		90	52 - 122
2,4-Dimethylphenol	0.0400	0.03459		mg/L		86	42 - 120
2,4-Dinitrophenol	0.0400	0.02894		mg/L		72	12 - 173
2,4-Dinitrotoluene	0.0400	0.03663		mg/L		92	48 - 127
2,6-Dinitrotoluene	0.0400	0.03594		mg/L		90	68 - 137
2-Chloronaphthalene	0.0400	0.03480		mg/L		87	65 - 120
2-Chlorophenol	0.0400	0.03072		mg/L		77	36 - 120
2-Methylnaphthalene	0.0400	0.03203		mg/L		80	25 - 175
2-Methylphenol	0.0400	0.02796		mg/L		70	14 - 176
2-Nitroaniline	0.0400	0.03795		mg/L		95	34 - 121
2-Nitrophenol	0.0400	0.03429		mg/L		86	45 - 167
3 & 4 Methylphenol	0.0400	0.02956		mg/L		74	14 - 176
3,3'-Dichlorobenzidine	0.0400	0.02914		mg/L		73	18 - 213
3-Nitroaniline	0.0400	0.03022		mg/L		76	65 - 135
4,6-Dinitro-2-methylphenol	0.0400	0.03135		mg/L		78	53 - 130
4-Bromophenyl phenyl ether	0.0400	0.03624		mg/L		91	65 - 120
4-Chloro-3-methylphenol	0.0400	0.03539		mg/L		88	41 - 128
4-Chlorophenyl phenyl ether	0.0400	0.03760		mg/L		94	38 - 145
4-Nitroaniline	0.0400	0.03416		mg/L		85	65 - 135
4-Nitrophenol	0.0400	0.01979		mg/L		49	13 - 129
Acenaphthene	0.0400	0.03403		mg/L		85	60 - 132
Acenaphthylene	0.0400	0.03385		mg/L		85	54 - 126
Aniline (Phenylamine, Aminobenzene)	0.0400	0.02628		mg/L		66	5 - 115
Anthracene	0.0400	0.03585		mg/L		90	43 - 120
Benzo[a]anthracene	0.0400	0.03428		mg/L		86	42 - 133
Benzo[a]pyrene	0.0400	0.03449		mg/L		86	32 - 148
Benzo[b]fluoranthene	0.0400	0.03464		mg/L		87	42 - 140
Benzo[g,h,i]perylene	0.0400	0.03624		mg/L		91	13 - 195
Benzo[k]fluoranthene	0.0400	0.03778		mg/L		94	25 - 146
Benzoic acid	0.120	0.07177		mg/L		60	30 - 115
Butyl benzyl phthalate	0.0400	0.03781		mg/L		95	12 - 140

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: LCS 860-121608/2-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.0400	0.03428		mg/L		86	49 - 165
Bis(2-chloroethyl)ether	0.0400	0.03368		mg/L		84	43 - 126
bis (2-chloroisopropyl) ether	0.0400	0.02830		mg/L		71	63 - 139
Bis(2-ethylhexyl) phthalate	0.0400	0.03845		mg/L		96	29 - 137
Chrysene	0.0400	0.03615		mg/L		90	44 - 140
Dibenz(a,h)anthracene	0.0400	0.03587		mg/L		90	16 - 200
Dibenzofuran	0.0400	0.03523		mg/L		88	52 - 125
Diethyl phthalate	0.0400	0.03390		mg/L		85	17 - 120
Dimethyl phthalate	0.0400	0.03334		mg/L		83	25 - 120
Di-n-butyl phthalate	0.0400	0.03618		mg/L		90	8 - 120
Di-n-octyl phthalate	0.0400	0.03300		mg/L		82	19 - 132
Fluoranthene	0.0400	0.03418		mg/L		85	43 - 121
Fluorene	0.0400	0.03629		mg/L		91	70 - 120
Hexachlorobenzene	0.0400	0.03472		mg/L		87	8 - 142
Hexachlorobutadiene	0.0400	0.02652		mg/L		66	38 - 120
Hexachlorocyclopentadiene	0.0400	0.02982		mg/L		75	41 - 125
Hexachloroethane	0.0400	0.02604		mg/L		65	55 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.03557		mg/L		89	13 - 151
Isophorone	0.0400	0.03466		mg/L		87	47 - 180
Naphthalene	0.0400	0.03125		mg/L		78	36 - 120
Nitrobenzene	0.0400	0.03413		mg/L		85	54 - 158
N-Nitrosodi-n-propylamine	0.0400	0.03074		mg/L		77	14 - 198
N-Nitrosodiphenylamine	0.0400	0.03728		mg/L		93	2 - 196
Pentachlorophenol	0.0400	0.03240		mg/L		81	38 - 152
Phenanthrene	0.0400	0.03499		mg/L		87	65 - 120
Phenol	0.0400	0.01768		mg/L		44	17 - 120
Pyrene	0.0400	0.03633		mg/L		91	70 - 120
Pyridine	0.0800	0.03043		mg/L		38	5 - 94

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		31 - 132
2-Fluorobiphenyl (Surr)	90		29 - 112
2-Fluorophenol (Surr)	56		28 - 114
Nitrobenzene-d5 (Surr)	90		15 - 314
p-Terphenyl-d14 (Surr)	96		20 - 141
Phenol-d5 (Surr)	43		8 - 424

Lab Sample ID: LCSD 860-121608/3-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121608

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	0.0400	0.02686		mg/L		67	57 - 130	6	30
1,2-Dichlorobenzene	0.0400	0.02687		mg/L		67	60 - 140	3	30
1,3-Dichlorobenzene	0.0400	0.02575		mg/L		64	60 - 140	5	30
1,4-Dichlorobenzene	0.0400	0.02620		mg/L		65	19 - 121	5	30
2,4,5-Trichlorophenol	0.0400	0.03388		mg/L		85	35 - 111	5	30
2,4,6-Trichlorophenol	0.0400	0.03504		mg/L		88	52 - 129	4	30

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: LCSD 860-121608/3-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121608

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dichlorophenol	0.0400	0.03435		mg/L		86	52 - 122	5	30
2,4-Dimethylphenol	0.0400	0.03284		mg/L		82	42 - 120	5	30
2,4-Dinitrophenol	0.0400	0.02942		mg/L		74	12 - 173	2	30
2,4-Dinitrotoluene	0.0400	0.03563		mg/L		89	48 - 127	3	25
2,6-Dinitrotoluene	0.0400	0.03419		mg/L		85	68 - 137	5	29
2-Chloronaphthalene	0.0400	0.03271		mg/L		82	65 - 120	6	15
2-Chlorophenol	0.0400	0.02920		mg/L		73	36 - 120	5	30
2-Methylnaphthalene	0.0400	0.03073		mg/L		77	25 - 175	4	30
2-Methylphenol	0.0400	0.02651		mg/L		66	14 - 176	5	30
2-Nitroaniline	0.0400	0.03699		mg/L		92	34 - 121	3	30
2-Nitrophenol	0.0400	0.03307		mg/L		83	45 - 167	4	30
3 & 4 Methylphenol	0.0400	0.02857		mg/L		71	14 - 176	3	30
3,3'-Dichlorobenzidine	0.0400	0.02870		mg/L		72	18 - 213	2	30
3-Nitroaniline	0.0400	0.02965		mg/L		74	65 - 135	2	30
4,6-Dinitro-2-methylphenol	0.0400	0.03043		mg/L		76	53 - 130	3	30
4-Bromophenyl phenyl ether	0.0400	0.03465		mg/L		87	65 - 120	5	26
4-Chloro-3-methylphenol	0.0400	0.03479		mg/L		87	41 - 128	2	30
4-Chlorophenyl phenyl ether	0.0400	0.03595		mg/L		90	38 - 145	5	30
4-Nitroaniline	0.0400	0.03299		mg/L		82	65 - 135	3	30
4-Nitrophenol	0.0400	0.01955		mg/L		49	13 - 129	1	30
Acenaphthene	0.0400	0.03251		mg/L		81	60 - 132	5	29
Acenaphthylene	0.0400	0.03224		mg/L		81	54 - 126	5	30
Aniline (Phenylamine, Aminobenzene)	0.0400	0.02341		mg/L		59	5 - 115	12	30
Anthracene	0.0400	0.03428		mg/L		86	43 - 120	4	30
Benzo[a]anthracene	0.0400	0.03295		mg/L		82	42 - 133	4	30
Benzo[a]pyrene	0.0400	0.03384		mg/L		85	32 - 148	2	30
Benzo[b]fluoranthene	0.0400	0.03393		mg/L		85	42 - 140	2	30
Benzo[g,h,i]perylene	0.0400	0.03487		mg/L		87	13 - 195	4	30
Benzo[k]fluoranthene	0.0400	0.03594		mg/L		90	25 - 146	5	30
Benzoic acid	0.120	0.06990		mg/L		58	30 - 115	3	30
Butyl benzyl phthalate	0.0400	0.03659		mg/L		91	12 - 140	3	30
Bis(2-chloroethoxy)methane	0.0400	0.03305		mg/L		83	49 - 165	4	30
Bis(2-chloroethyl)ether	0.0400	0.03150		mg/L		79	43 - 126	7	30
bis (2-chloroisopropyl) ether	0.0400	0.02688		mg/L		67	63 - 139	5	30
Bis(2-ethylhexyl) phthalate	0.0400	0.03716		mg/L		93	29 - 137	3	30
Chrysene	0.0400	0.03514		mg/L		88	44 - 140	3	30
Dibenz(a,h)anthracene	0.0400	0.03479		mg/L		87	16 - 200	3	30
Dibenzofuran	0.0400	0.03419		mg/L		85	52 - 125	3	30
Diethyl phthalate	0.0400	0.03310		mg/L		83	17 - 120	2	30
Dimethyl phthalate	0.0400	0.03295		mg/L		82	25 - 120	1	30
Di-n-butyl phthalate	0.0400	0.03459		mg/L		86	8 - 120	5	28
Di-n-octyl phthalate	0.0400	0.03227		mg/L		81	19 - 132	2	30
Fluoranthene	0.0400	0.03279		mg/L		82	43 - 121	4	30
Fluorene	0.0400	0.03510		mg/L		88	70 - 120	3	23
Hexachlorobenzene	0.0400	0.03339		mg/L		83	8 - 142	4	30
Hexachlorobutadiene	0.0400	0.02527		mg/L		63	38 - 120	5	30
Hexachlorocyclopentadiene	0.0400	0.02858		mg/L		71	41 - 125	4	30
Hexachloroethane	0.0400	0.02447		mg/L		61	55 - 120	6	30

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: LCSD 860-121608/3-A

Matrix: Water

Analysis Batch: 121708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121608

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	0.0400	0.03480		mg/L		87	13 - 151	2	30
Isophorone	0.0400	0.03333		mg/L		83	47 - 180	4	30
Naphthalene	0.0400	0.02963		mg/L		74	36 - 120	5	30
Nitrobenzene	0.0400	0.03343		mg/L		84	54 - 158	2	30
N-Nitrosodi-n-propylamine	0.0400	0.02885		mg/L		72	14 - 198	6	30
N-Nitrosodiphenylamine	0.0400	0.03601		mg/L		90	2 - 196	3	30
Pentachlorophenol	0.0400	0.03134		mg/L		78	38 - 152	3	30
Phenanthrene	0.0400	0.03351		mg/L		84	65 - 120	4	30
Phenol	0.0400	0.01687		mg/L		42	17 - 120	5	30
Pyrene	0.0400	0.03462		mg/L		87	70 - 120	5	30
Pyridine	0.0800	0.02048	*1	mg/L		26	5 - 94	39	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	79		31 - 132
2-Fluorobiphenyl (Surr)	86		29 - 112
2-Fluorophenol (Surr)	53		28 - 114
Nitrobenzene-d5 (Surr)	87		15 - 314
p-Terphenyl-d14 (Surr)	96		20 - 141
Phenol-d5 (Surr)	43		8 - 424

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 860-121330/1-A

Matrix: Water

Analysis Batch: 121359

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121330

Sample Data: 12/10/20									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 18:24	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 18:24	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 18:24	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 18:24	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/13/23 08:08	09/13/23 18:24	1
PCB-1254	<0.00000780	U	0.000100	0.0000078	mg/L		09/13/23 08:08	09/13/23 18:24	1
				0					
PCB-1260	<0.00000780	U	0.000100	0.0000078	mg/L		09/13/23 08:08	09/13/23 18:24	1
				0					
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/13/23 08:08	09/13/23 18:24	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
Tetrachloro-m-xylene (Surr)	102		18 - 126				09/13/23 08:08	09/13/23 18:24	1
DCB Decachlorobiphenyl (Surr)	92		15 - 136				09/13/23 08:08	09/13/23 18:24	1

Lab Sample ID: LCS 860-121330/2-A

Matrix: Water

Analysis Batch: 121359

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.00100	0.0009132		mg/L		91	61 - 103
PCB-1260	0.00100	0.0009170		mg/L		92	37 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	106		18 - 126
DCB Decachlorobiphenyl (Surr)	124		15 - 136

Lab Sample ID: LCSD 860-121330/3-A
Matrix: Water
Analysis Batch: 121359

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	0.00100	0.001028		mg/L		103	61 - 103	12	24
PCB-1260	0.00100	0.001054		mg/L		105	37 - 130	14	28

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	112		18 - 126
DCB Decachlorobiphenyl (Surr)	133		15 - 136

Method: 615 - Herbicides (GC)

Lab Sample ID: MB 860-121525/1-A
Matrix: Water
Analysis Batch: 121567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 121525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000452	U	0.000204	0.0000452	mg/L		09/13/23 22:00	09/14/23 19:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	110		45 - 150	09/13/23 22:00	09/14/23 19:37	1

Lab Sample ID: LCS 860-121525/2-A
Matrix: Water
Analysis Batch: 121567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 121525

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pentachlorophenol	0.00204	0.001904		mg/L		93	50 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	137		45 - 150

Lab Sample ID: LCSD 860-121525/3-A
Matrix: Water
Analysis Batch: 121567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 121525

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pentachlorophenol	0.00204	0.002162		mg/L		106	50 - 135	13	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	145		45 - 150

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-122111/3

Matrix: Water

Analysis Batch: 122111

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.0711	U	0.500	0.0711	mg/L			09/18/23 10:58	1
Chloride	<0.250	U	0.500	0.250	mg/L			09/18/23 10:58	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/18/23 10:58	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/18/23 10:58	1

Lab Sample ID: MB 860-122111/87

Matrix: Water

Analysis Batch: 122111

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.0711	U	0.500	0.0711	mg/L			09/19/23 01:07	1
Chloride	<0.250	U	0.500	0.250	mg/L			09/19/23 01:07	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/19/23 01:07	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/19/23 01:07	1

Lab Sample ID: LCS 860-122111/88

Matrix: Water

Analysis Batch: 122111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.778		mg/L		98	90 - 110
Chloride	10.0	9.752		mg/L		98	90 - 110
Fluoride	10.0	10.27		mg/L		103	90 - 110
Sulfate	10.0	9.752		mg/L		98	90 - 110

Lab Sample ID: LCSD 860-122111/89

Matrix: Water

Analysis Batch: 122111

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.766		mg/L		98	90 - 110	0	20
Chloride	10.0	9.732		mg/L		97	90 - 110	0	20
Fluoride	10.0	10.24		mg/L		102	90 - 110	0	20
Sulfate	10.0	9.737		mg/L		97	90 - 110	0	20

Lab Sample ID: LLCS 860-122111/7

Matrix: Water

Analysis Batch: 122111

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.5310		mg/L		106	50 - 150
Chloride	0.500	0.5462		mg/L		109	50 - 150
Fluoride	0.500	0.5103		mg/L		102	50 - 150
Sulfate	0.500	0.5581		mg/L		112	50 - 150

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-121619/1-A
Matrix: Water
Analysis Batch: 121857

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 121619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0173	U	0.0500	0.0173	mg/L		09/14/23 12:52	09/14/23 18:24	1
Iron	<0.0185	U	0.200	0.0185	mg/L		09/14/23 12:52	09/14/23 18:24	1
Magnesium	<0.0428	U	0.200	0.0428	mg/L		09/14/23 12:52	09/14/23 18:24	1
Molybdenum	<0.00261	U	0.0100	0.00261	mg/L		09/14/23 12:52	09/14/23 18:24	1
Tin	0.05360		0.0200	0.00668	mg/L		09/14/23 12:52	09/14/23 18:24	1

Lab Sample ID: LCS 860-121619/2-A
Matrix: Water
Analysis Batch: 121857

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 121619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.030		mg/L		103	85 - 115
Iron	5.00	5.160		mg/L		103	85 - 115
Magnesium	25.0	24.80		mg/L		99	85 - 115
Molybdenum	1.00	1.030		mg/L		103	85 - 115
Tin	1.00	1.100		mg/L		110	85 - 115

Lab Sample ID: LCSD 860-121619/3-A
Matrix: Water
Analysis Batch: 121857

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 121619

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.040		mg/L		104	85 - 115	1	20
Iron	5.00	5.210		mg/L		104	85 - 115	1	20
Magnesium	25.0	25.10		mg/L		100	85 - 115	1	20
Molybdenum	1.00	1.040		mg/L		104	85 - 115	1	20
Tin	1.00	1.110		mg/L		111	85 - 115	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-121616/1-A
Matrix: Water
Analysis Batch: 121732

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 121616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00301	U	0.0200	0.00301	mg/L		09/14/23 12:46	09/14/23 15:39	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		09/14/23 12:46	09/14/23 15:39	1
Arsenic	0.0003600	J	0.00400	0.000341	mg/L		09/14/23 12:46	09/14/23 15:39	1
Barium	<0.000289	U	0.00400	0.000289	mg/L		09/14/23 12:46	09/14/23 15:39	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		09/14/23 12:46	09/14/23 15:39	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		09/14/23 12:46	09/14/23 15:39	1
Chromium	<0.000325	U	0.00400	0.000325	mg/L		09/14/23 12:46	09/14/23 15:39	1
Cobalt	<0.000131	U	0.00200	0.000131	mg/L		09/14/23 12:46	09/14/23 15:39	1
Copper	<0.000690	U	0.00400	0.000690	mg/L		09/14/23 12:46	09/14/23 15:39	1
Lead	<0.000140	U	0.00200	0.000140	mg/L		09/14/23 12:46	09/14/23 15:39	1
Manganese	<0.000160	U	0.00200	0.000160	mg/L		09/14/23 12:46	09/14/23 15:39	1
Nickel	<0.000486	U	0.00200	0.000486	mg/L		09/14/23 12:46	09/14/23 15:39	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		09/14/23 12:46	09/14/23 15:39	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		09/14/23 12:46	09/14/23 15:39	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: MB 860-121616/1-A
Matrix: Water
Analysis Batch: 121732

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 121616

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		09/14/23 12:46	09/14/23 15:39	1
Titanium	0.001567	J	0.00400	0.000419	mg/L		09/14/23 12:46	09/14/23 15:39	1
Zinc	<0.000885	U	0.00400	0.000885	mg/L		09/14/23 12:46	09/14/23 15:39	1

Lab Sample ID: LCS 860-121616/2-A
Matrix: Water
Analysis Batch: 121732

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 121616

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4660		mg/L		93	85 - 115
Antimony	0.100	0.1029		mg/L		103	85 - 115
Arsenic	0.100	0.1027		mg/L		103	85 - 115
Barium	0.100	0.09601		mg/L		96	85 - 115
Beryllium	0.100	0.08602		mg/L		86	85 - 115
Cadmium	0.100	0.09631		mg/L		96	85 - 115
Chromium	0.100	0.09338		mg/L		93	85 - 115
Cobalt	0.100	0.09027		mg/L		90	85 - 115
Copper	0.100	0.09301		mg/L		93	85 - 115
Lead	0.100	0.09418		mg/L		94	85 - 115
Manganese	0.100	0.09483		mg/L		95	85 - 115
Nickel	0.100	0.09066		mg/L		91	85 - 115
Selenium	0.100	0.09936		mg/L		99	85 - 115
Silver	0.0500	0.04700		mg/L		94	85 - 115
Thallium	0.100	0.09726		mg/L		97	85 - 115
Titanium	0.100	0.09896		mg/L		99	85 - 115
Zinc	0.100	0.09963		mg/L		100	85 - 115

Lab Sample ID: LCSD 860-121616/3-A
Matrix: Water
Analysis Batch: 121732

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 121616

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4626		mg/L		93	85 - 115	1	20
Antimony	0.100	0.1069		mg/L		107	85 - 115	4	20
Arsenic	0.100	0.1036		mg/L		104	85 - 115	1	20
Barium	0.100	0.09604		mg/L		96	85 - 115	0	20
Beryllium	0.100	0.08560		mg/L		86	85 - 115	0	20
Cadmium	0.100	0.09704		mg/L		97	85 - 115	1	20
Chromium	0.100	0.09289		mg/L		93	85 - 115	1	20
Cobalt	0.100	0.09134		mg/L		91	85 - 115	1	20
Copper	0.100	0.09509		mg/L		95	85 - 115	2	20
Lead	0.100	0.09386		mg/L		94	85 - 115	0	20
Manganese	0.100	0.09512		mg/L		95	85 - 115	0	20
Nickel	0.100	0.09204		mg/L		92	85 - 115	2	20
Selenium	0.100	0.1011		mg/L		101	85 - 115	2	20
Silver	0.0500	0.04731		mg/L		95	85 - 115	1	20
Thallium	0.100	0.09555		mg/L		96	85 - 115	2	20
Titanium	0.100	0.09867		mg/L		99	85 - 115	0	20
Zinc	0.100	0.1010		mg/L		101	85 - 115	1	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 860-121748/128

Matrix: Water

Analysis Batch: 121748

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.0510	U	0.100	0.0510	mg/L			09/14/23 15:58	1

Lab Sample ID: LCS 860-121748/129

Matrix: Water

Analysis Batch: 121748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	1.022		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-121748/130

Matrix: Water

Analysis Batch: 121748

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	1.00	1.085		mg/L		109	90 - 110	6	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 860-122179/4-A

Matrix: Water

Analysis Batch: 122719

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.0890	U	0.200	0.0890	mg/L		09/18/23 19:06	09/20/23 14:01	1

Lab Sample ID: LCS 860-122179/6-A

Matrix: Water

Analysis Batch: 122719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	2.00	1.982		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-122179/7-A

Matrix: Water

Analysis Batch: 122719

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122719

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	2.00	2.005		mg/L		100	90 - 110	1	20

Lab Sample ID: LLCSD 860-122179/5-A

Matrix: Water

Analysis Batch: 122719

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122719

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.200	0.1700	J	mg/L		85	50 - 150

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 860-122509/10

Matrix: Water

Analysis Batch: 122509

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.0500	U	0.100	0.0500	mg/L			09/19/23 19:55	1

Lab Sample ID: LCS 860-122509/11

Matrix: Water

Analysis Batch: 122509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.9772		mg/L		98	90 - 110

Lab Sample ID: LCSD 860-122509/12

Matrix: Water

Analysis Batch: 122509

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	0.9775		mg/L		98	90 - 110	0	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 860-122651/41-A

Matrix: Water

Analysis Batch: 123039

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122651

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.959	U	2.00	0.959	mg/L		09/20/23 18:44	09/22/23 14:08	5

Lab Sample ID: LCS 860-122651/42-A

Matrix: Water

Analysis Batch: 123039

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122651

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	5.00	4.700		mg/L		94	90 - 110

Lab Sample ID: LCSD 860-122651/43-A

Matrix: Water

Analysis Batch: 123039

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122651

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	5.00	4.520		mg/L		90	90 - 110	4	20

Lab Sample ID: 870-20627-1 MS

Matrix: Water

Analysis Batch: 123039

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Prep Batch: 122651

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	9.53		0.250	9.273	4	mg/L		-102	90 - 110

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: 870-20627-1 MSD
Matrix: Water
Analysis Batch: 123039

Client Sample ID: 5000 Tank
Prep Type: Total/NA
Prep Batch: 122651

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	9.53		0.250	9.728	4	mg/L		80	90 - 110	5	20

Method: 8000 - COD

Lab Sample ID: MB 860-121691/3
Matrix: Water
Analysis Batch: 121691

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<3.36	U	20.0	3.36	mg/L			09/13/23 12:25	1

Lab Sample ID: LCS 860-121691/4
Matrix: Water
Analysis Batch: 121691

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	98.00		mg/L		98	90 - 110

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 860-121757/3
Matrix: Water
Analysis Batch: 121757

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color, Apparent	<5.00	U	5.00	5.00	Color Units			09/13/23 21:54	1
Color, True	<5.00	U	5.00	5.00	Color Units			09/13/23 21:54	1
pH	NA		0.100	0.100	S.U.			09/13/23 21:54	1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-122156/3
Matrix: Water
Analysis Batch: 122156

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/18/23 11:57	1

Lab Sample ID: LCS 860-122156/4
Matrix: Water
Analysis Batch: 122156

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	252.2		mg/L		101	85 - 115

Lab Sample ID: LCSD 860-122156/5
Matrix: Water
Analysis Batch: 122156

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	250	254.0		mg/L		102	85 - 115	1	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

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

Lab Sample ID: MB 870-15212/1
Matrix: Water
Analysis Batch: 15212

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			09/15/23 16:21	1

Lab Sample ID: LCS 870-15212/2
Matrix: Water
Analysis Batch: 15212

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1069		mg/L		107	80 - 120

Lab Sample ID: LCSD 870-15212/3
Matrix: Water
Analysis Batch: 15212

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1021		mg/L		102	80 - 120	5	10

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

Lab Sample ID: MB 870-15204/1
Matrix: Water
Analysis Batch: 15204

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<2.50	U	2.50	2.50	mg/L			09/14/23 17:21	1

Lab Sample ID: LCS 870-15204/2
Matrix: Water
Analysis Batch: 15204

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	93.00		mg/L		93	80 - 120

Lab Sample ID: LCSD 870-15204/3
Matrix: Water
Analysis Batch: 15204

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	100	101.0		mg/L		101	80 - 120	8	10

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 870-15140/9
Matrix: Water
Analysis Batch: 15140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00280	U	0.0100	0.00280	mg/L			09/13/23 10:26	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: SM 3500 CR B - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 870-15140/10
Matrix: Water
Analysis Batch: 15140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.499	0.5620		mg/L		113	80 - 120

Lab Sample ID: LCSD 870-15140/11
Matrix: Water
Analysis Batch: 15140

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.499	0.5605		mg/L		112	80 - 120	0	20

Lab Sample ID: 870-20627-1 MS
Matrix: Water
Analysis Batch: 15140

Client Sample ID: 5000 Tank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	<0.00280	U	0.499	0.5337		mg/L		107	80 - 120

Lab Sample ID: 870-20627-1 MSD
Matrix: Water
Analysis Batch: 15140

Client Sample ID: 5000 Tank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	<0.00280	U	0.499	0.5421		mg/L		109	80 - 120	2	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-122169/1
Matrix: Water
Analysis Batch: 122169

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.00	U	5.00	2.00	mg/L			09/18/23 17:16	1

Lab Sample ID: LCS 860-122169/2
Matrix: Water
Analysis Batch: 122169

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	50.0	46.00		mg/L		92	80 - 120

Lab Sample ID: LCSD 860-122169/3
Matrix: Water
Analysis Batch: 122169

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	50.0	46.00		mg/L		92	80 - 120	0	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: SM 4500 SO3 B - Sulfite

Lab Sample ID: MB 860-122172/1
Matrix: Water
Analysis Batch: 122172

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfite	<5.00	U	5.00	5.00	mg/L			09/18/23 17:23	1

Lab Sample ID: LCS 860-122172/2
Matrix: Water
Analysis Batch: 122172

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfite	10.0	9.000		mg/L		90	80 - 120

Lab Sample ID: LCSD 860-122172/3
Matrix: Water
Analysis Batch: 122172

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfite	10.0	9.000		mg/L		90	80 - 120	0	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 870-15242/2
Matrix: Water
Analysis Batch: 15242

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.6750		0.0000020 0	0.0000020 0	mg/L			09/13/23 16:00	1

Lab Sample ID: USB 870-15242/1
Matrix: Water
Analysis Batch: 15242

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<0.00000200	U	0.0000020 0	0.0000020 0	mg/L			09/13/23 15:56	1

Lab Sample ID: LCS 870-15242/3
Matrix: Water
Analysis Batch: 15242

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	174.5		mg/L		88	85 - 115

Lab Sample ID: 870-20627-1 DU
Matrix: Water
Analysis Batch: 15242

Client Sample ID: 5000 Tank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	<3.00	U	<3.00	U	mg/L		NC	25

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: SM 5310C - TOC

Lab Sample ID: MB 860-122106/3

Matrix: Water

Analysis Batch: 122106

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.500	U	1.00	0.500	mg/L			09/15/23 22:46	1

Lab Sample ID: LCS 860-122106/4

Matrix: Water

Analysis Batch: 122106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	5.00	4.731		mg/L		95	90 - 110

Lab Sample ID: LCSD 860-122106/5

Matrix: Water

Analysis Batch: 122106

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	5.00	4.747		mg/L		95	90 - 110	0	20

Lab Sample ID: LLCS 860-122106/6

Matrix: Water

Analysis Batch: 122106

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.00	0.8638	J	mg/L		86	50 - 150

Lab Sample ID: MB 860-122582/1-A

Matrix: Water

Analysis Batch: 122581

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.548	U	1.00	0.548	mg/L			09/19/23 22:55	1

Lab Sample ID: LCS 860-122582/2-A

Matrix: Water

Analysis Batch: 122581

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	5.00	4.738		mg/L		95	90 - 110

Lab Sample ID: LCSD 860-122582/3-A

Matrix: Water

Analysis Batch: 122581

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	5.00	4.754		mg/L		95	90 - 110	0	20

Lab Sample ID: 870-20627-1 MS

Matrix: Water

Analysis Batch: 122581

Client Sample ID: 5000 Tank

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	5.45		5.00	9.972		mg/L		90	90 - 110

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Method: SM 5310C - TOC

Lab Sample ID: 870-20627-1 MSD

Matrix: Water

Analysis Batch: 122581

Client Sample ID: 5000 Tank

Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	5.45		5.00	10.70		mg/L		105	90 - 110	7	20

Method: SM5210B CBOD - Carbonaceous BOD, 5 Day

Lab Sample ID: SCB 870-15240/2

Matrix: Water

Analysis Batch: 15240

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	0.6000		0.0000020 0	0.0000020 0	mg/L			09/13/23 15:23	1

Lab Sample ID: USB 870-15240/1

Matrix: Water

Analysis Batch: 15240

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	<0.00000200	U	0.0000020 0	0.0000020 0	mg/L			09/13/23 15:19	1

Lab Sample ID: LCS 870-15240/3

Matrix: Water

Analysis Batch: 15240

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbonaceous Biochemical Oxygen Demand	170	156.8		mg/L		92	85 - 125

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

GC/MS VOA

Analysis Batch: 15110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	624.1	
MB 870-15110/14	Method Blank	Total/NA	Water	624.1	
LCS 870-15110/12	Lab Control Sample	Total/NA	Water	624.1	
LCSD 870-15110/13	Lab Control Sample Dup	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 121608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	625	
MB 860-121608/1-A	Method Blank	Total/NA	Water	625	
LCS 860-121608/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-121608/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 121708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-121608/1-A	Method Blank	Total/NA	Water	625.1	121608
LCS 860-121608/2-A	Lab Control Sample	Total/NA	Water	625.1	121608
LCSD 860-121608/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	121608

Analysis Batch: 122011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	625.1	121608

GC Semi VOA

Prep Batch: 121330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	608	
MB 860-121330/1-A	Method Blank	Total/NA	Water	608	
LCS 860-121330/2-A	Lab Control Sample	Total/NA	Water	608	
LCSD 860-121330/3-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 121359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	608.3	121330
MB 860-121330/1-A	Method Blank	Total/NA	Water	608.3	121330
LCS 860-121330/2-A	Lab Control Sample	Total/NA	Water	608.3	121330
LCSD 860-121330/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	121330

Prep Batch: 121525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	3511	
MB 860-121525/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-121525/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-121525/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 121567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-121525/1-A	Method Blank	Total/NA	Water	615	121525
LCS 860-121525/2-A	Lab Control Sample	Total/NA	Water	615	121525
LCSD 860-121525/3-A	Lab Control Sample Dup	Total/NA	Water	615	121525

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

GC Semi VOA

Analysis Batch: 121789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	615	121525

HPLC/IC

Analysis Batch: 122111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	300.0	
MB 860-122111/3	Method Blank	Total/NA	Water	300.0	
MB 860-122111/87	Method Blank	Total/NA	Water	300.0	
LCS 860-122111/88	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-122111/89	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-122111/7	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 121616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total Recoverable	Water	200.8	
MB 860-121616/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 860-121616/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 860-121616/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

Prep Batch: 121619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total Recoverable	Water	200.7	
MB 860-121619/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-121619/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-121619/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	

Analysis Batch: 121732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-121616/1-A	Method Blank	Total Recoverable	Water	200.8	121616
LCS 860-121616/2-A	Lab Control Sample	Total Recoverable	Water	200.8	121616
LCSD 860-121616/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	121616

Analysis Batch: 121857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	121619
MB 860-121619/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	121619
LCS 860-121619/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	121619
LCSD 860-121619/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	121619

Analysis Batch: 121868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total Recoverable	Water	200.8	121616

Analysis Batch: 121908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total Recoverable	Water	200.8	121616

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

General Chemistry

Analysis Batch: 15140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 3500 CR B	
MB 870-15140/9	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 870-15140/10	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 870-15140/11	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	
870-20627-1 MS	5000 Tank	Total/NA	Water	SM 3500 CR B	
870-20627-1 MSD	5000 Tank	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 15204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 2540D	
MB 870-15204/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 870-15204/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 870-15204/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 15212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 2540C	
MB 870-15212/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-15212/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-15212/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 15240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM5210B CBOD	
SCB 870-15240/2	Method Blank	Total/NA	Water	SM5210B CBOD	
USB 870-15240/1	Method Blank	Total/NA	Water	SM5210B CBOD	
LCS 870-15240/3	Lab Control Sample	Total/NA	Water	SM5210B CBOD	

Analysis Batch: 15242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 5210B	
SCB 870-15242/2	Method Blank	Total/NA	Water	SM 5210B	
USB 870-15242/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 870-15242/3	Lab Control Sample	Total/NA	Water	SM 5210B	
870-20627-1 DU	5000 Tank	Total/NA	Water	SM 5210B	

Analysis Batch: 121691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	8000	
MB 860-121691/3	Method Blank	Total/NA	Water	8000	
LCS 860-121691/4	Lab Control Sample	Total/NA	Water	8000	

Analysis Batch: 121748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	350.1	
MB 860-121748/128	Method Blank	Total/NA	Water	350.1	
LCS 860-121748/129	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-121748/130	Lab Control Sample Dup	Total/NA	Water	350.1	

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

General Chemistry

Analysis Batch: 121757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 2120B	
870-20627-1	5000 Tank	Total/NA	Water	SM 2120B	
MB 860-121757/3	Method Blank	Total/NA	Water	SM 2120B	
LCS 860-121757/4	Lab Control Sample	Total/NA	Water	SM 2120B	
LCSD 860-121757/5	Lab Control Sample Dup	Total/NA	Water	SM 2120B	

Analysis Batch: 121993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	Total Nitrogen	

Analysis Batch: 122106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 5310C	
MB 860-122106/3	Method Blank	Total/NA	Water	SM 5310C	
LCS 860-122106/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 860-122106/5	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
LLCS 860-122106/6	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 122156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 2320B	
MB 860-122156/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-122156/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-122156/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 122169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 4500 S2 F	
MB 860-122169/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 860-122169/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 860-122169/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 122172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	SM 4500 SO3 B	
MB 860-122172/1	Method Blank	Total/NA	Water	SM 4500 SO3 B	
LCS 860-122172/2	Lab Control Sample	Total/NA	Water	SM 4500 SO3 B	
LCSD 860-122172/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO3 B	

Prep Batch: 122179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	351.2	
MB 860-122179/4-A	Method Blank	Total/NA	Water	351.2	
LCS 860-122179/6-A	Lab Control Sample	Total/NA	Water	351.2	
LCSD 860-122179/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	
LLCS 860-122179/5-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 122509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	353.2	
MB 860-122509/10	Method Blank	Total/NA	Water	353.2	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

General Chemistry (Continued)

Analysis Batch: 122509 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-122509/11	Lab Control Sample	Total/NA	Water	353.2	
LCSD 860-122509/12	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 122581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Dissolved	Water	SM 5310C	122582
MB 860-122582/1-A	Method Blank	Dissolved	Water	SM 5310C	122582
LCS 860-122582/2-A	Lab Control Sample	Dissolved	Water	SM 5310C	122582
LCSD 860-122582/3-A	Lab Control Sample Dup	Dissolved	Water	SM 5310C	122582
870-20627-1 MS	5000 Tank	Dissolved	Water	SM 5310C	122582
870-20627-1 MSD	5000 Tank	Dissolved	Water	SM 5310C	122582

Filtration Batch: 122582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Dissolved	Water	Filtration	
MB 860-122582/1-A	Method Blank	Dissolved	Water	Filtration	
LCS 860-122582/2-A	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-122582/3-A	Lab Control Sample Dup	Dissolved	Water	Filtration	
870-20627-1 MS	5000 Tank	Dissolved	Water	Filtration	
870-20627-1 MSD	5000 Tank	Dissolved	Water	Filtration	

Prep Batch: 122651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	365.2/365.3/365	
MB 860-122651/41-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 860-122651/42-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
LCSD 860-122651/43-A	Lab Control Sample Dup	Total/NA	Water	365.2/365.3/365	
870-20627-1 MS	5000 Tank	Total/NA	Water	365.2/365.3/365	
870-20627-1 MSD	5000 Tank	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 122719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	351.2	122179
MB 860-122179/4-A	Method Blank	Total/NA	Water	351.2	122179
LCS 860-122179/6-A	Lab Control Sample	Total/NA	Water	351.2	122179
LCSD 860-122179/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	122179
LLCS 860-122179/5-A	Lab Control Sample	Total/NA	Water	351.2	122179

Analysis Batch: 123039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20627-1	5000 Tank	Total/NA	Water	365.1	122651
MB 860-122651/41-A	Method Blank	Total/NA	Water	365.1	122651
LCS 860-122651/42-A	Lab Control Sample	Total/NA	Water	365.1	122651
LCSD 860-122651/43-A	Lab Control Sample Dup	Total/NA	Water	365.1	122651
870-20627-1 MS	5000 Tank	Total/NA	Water	365.1	122651
870-20627-1 MSD	5000 Tank	Total/NA	Water	365.1	122651

Lab Chronicle

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20627-1

Date Collected: 09/12/23 12:30

Matrix: Water

Date Received: 09/12/23 14:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	5 mL	5 mL	15110	09/12/23 20:17	MC	EET DAL
Total/NA	Prep	625			1000 mL	1.0 mL	121608	09/14/23 11:16	MPC	EET HOU
Total/NA	Analysis	625.1		1	1 mL	1 mL	122011	09/18/23 14:51	PXS	EET HOU
Total/NA	Prep	608			1000 mL	1.00 mL	121330	09/13/23 08:08	DR	EET HOU
Total/NA	Analysis	608.3		1			121359	09/13/23 19:13	WP	EET HOU
Total/NA	Prep	3511			50.7 mL	4 mL	121525	09/13/23 22:00	JN	EET HOU
Total/NA	Analysis	615		1			121789	09/15/23 13:49	WP	EET HOU
Total/NA	Analysis	300.0		1			122111	09/19/23 03:22	RBNS	EET HOU
Total Recoverable	Prep	200.7			50 mL	50 mL	121619	09/14/23 11:52	AGR	EET HOU
Total Recoverable	Analysis	200.7 Rev 4.4		1			121857	09/14/23 20:42	JDM	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	121616	09/14/23 11:47	AGR	EET HOU
Total Recoverable	Analysis	200.8		1			121868	09/14/23 17:57	DP	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	121616	09/14/23 11:47	AGR	EET HOU
Total Recoverable	Analysis	200.8		1			121908	09/15/23 13:27	DP	EET HOU
Total/NA	Analysis	350.1		1	10 mL	10 mL	121748	09/14/23 17:32	ADL	EET HOU
Total/NA	Prep	351.2			20 mL	20 mL	122179	09/18/23 19:07	LD	EET HOU
Total/NA	Analysis	351.2		1			122719	09/20/23 14:11	LD	EET HOU
Total/NA	Analysis	353.2		10	10 mL	10 mL	122509	09/19/23 20:19	AA	EET HOU
Total/NA	Prep	365.2/365.3/365			10 mL	10 mL	122651	09/20/23 18:44	CL	EET HOU
Total/NA	Analysis	365.1		25			123039	09/22/23 14:33	LD	EET HOU
Total/NA	Analysis	8000		1	2 mL	2 mL	121691	09/13/23 12:25	HN	EET HOU
Total/NA	Analysis	SM 2120B		2	50 mL	50 mL	121757	09/13/23 21:54	YG	EET HOU
Total/NA	Analysis	SM 2120B		1	50 mL	50 mL	121757	09/13/23 21:54	YG	EET HOU
Total/NA	Analysis	SM 2320B		1			122156	09/18/23 15:29	TL	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	15212	09/15/23 16:21	KNW	EET DAL
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	15204	09/14/23 17:22	KNW	EET DAL
Total/NA	Analysis	SM 3500 CR B		1	10 mL	10 mL	15140	09/13/23 10:26	KNW	EET DAL
Total/NA	Analysis	SM 4500 S2 F		1	200 mL	200 mL	122169	09/18/23 17:16	SCI	EET HOU
Total/NA	Analysis	SM 4500 SO3 B		1	50 mL	50 mL	122172	09/18/23 17:23	SCI	EET HOU
Total/NA	Analysis	SM 5210B		1	200 mL	300 mL	15242	09/13/23 16:11	MC	EET DAL
Dissolved	Filtration	Filtration			50 mL	50 mL	122582	09/19/23 16:00	YG	EET HOU
Dissolved	Analysis	SM 5310C		1	40 mL	40 mL	122581	09/20/23 05:29	YG	EET HOU
Total/NA	Analysis	SM 5310C		1	40 mL	40 mL	122106	09/16/23 03:20	YG	EET HOU
Total/NA	Analysis	SM5210B CBOD		1	200 mL	300 mL	15240	09/13/23 15:47	MC	EET DAL
Total/NA	Analysis	Total Nitrogen		1			121993	09/17/23 21:29	MC	EET HOU

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

Eurofins Dallas

Accreditation/Certification Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Laboratory: Eurofins Dallas

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	Cyclohexane
624.1		Water	Vinyl acetate

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-53	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
608.3	608	Water	Polychlorinated biphenyls, Total
615	3511	Water	Pentachlorophenol
625.1	625	Water	2-Methylnaphthalene
625.1	625	Water	2-Nitroaniline
625.1	625	Water	3 & 4 Methylphenol
625.1	625	Water	3-Nitroaniline
625.1	625	Water	4-Nitroaniline
625.1	625	Water	Aniline (Phenylamine, Aminobenzene)
625.1	625	Water	Benzoic acid
625.1	625	Water	Dibenzofuran
SM 2120B		Water	pH
SM 4500 SO3 B		Water	Sulfite
SM 5310C		Water	Dissolved Organic Carbon
Total Nitrogen		Water	Nitrogen, Total

Method Summary

Client: Chem-Aqua, Inc.

Job ID: 870-20627-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET DAL
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET HOU
615	Herbicides (GC)	EPA-01	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
200.7 Rev 4.4	Metals (ICP)	EPA	EET HOU
200.8	Metals (ICP/MS)	EPA	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
365.1	Phosphorus, Total	EPA	EET HOU
8000	COD	Hach	EET HOU
SM 2120B	Color, Colorimetric	SM	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DAL
SM 3500 CR B	Chromium, Hexavalent	SM	EET DAL
SM 4500 S2 F	Sulfide, Total	SM	EET HOU
SM 4500 SO3 B	Sulfite	SM	EET HOU
SM 5210B	BOD, 5-Day	SM	EET DAL
SM 5310C	TOC	SM	EET HOU
SM5210B CBOD	Carbonaceous BOD, 5 Day	SM	EET DAL
Total Nitrogen	Nitrogen, Total	EPA	EET HOU
425.1	MBAS analyzed by ECM Laboratory	EPA	Envirodyne
200.7	Preparation, Total Recoverable Metals	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
365.2/365.3/365	Phosphorus, Total	EPA	EET HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU
Filtration	Sample Filtration	None	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

Hach = Hach Company

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

Eurofins Dallas

Sample Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20627-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-20627-1	5000 Tank	Water	09/12/23 12:30	09/12/23 14:34

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

27 September 2023

Eurofins Houston
Anita Patel
11381 Meadowglen, Suite L
Houston, TX 77082

Eurofins

Enclosed are the results of analyses for samples received by the laboratory on 20-Sep-23 10:00. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 5

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie Peterson', is written over a horizontal line.

Julie Peterson
Client Services Representative



Certificate No: T104704265-22-20



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I2219

Reported:
27-Sep-23 17:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5000 Tank (870-20838-1)	23I2219-01	Water	19-Sep-23 13:00	20-Sep-23 10:00

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I2219

Reported:
27-Sep-23 17:07

5000 Tank (870-20838-1)
23I2219-01 (Water) Sampled: 19-Sep-23 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	---------	-------

Envirodyne Laboratories, Inc.

Wet Chemistry

Surfactants	<0.10	0.10	mg/L	1	B3I4462	20-Sep-23	20-Sep-23 16:00	SM5540 C	CFH	Q
-------------	-------	------	------	---	---------	-----------	-----------------	----------	-----	---

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I2219

Reported:
27-Sep-23 17:07

Wet Chemistry - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B3I4462 - Inorganics									
Blank (B3I4462-BLK1)					Prepared & Analyzed: 20-Sep-23				
Surfactants	<0.10	0.10	mg/L						Q
LCS (B3I4462-BS1)					Prepared & Analyzed: 20-Sep-23				
Surfactants	0.470		mg/L	1.00		47.0 90-110			Q
Duplicate (B3I4462-DUP1)					Prepared & Analyzed: 20-Sep-23				
Surfactants	0.400	0.10	mg/L		0.360		10.5	20	Q
Reference (B3I4462-SRM1)					Prepared & Analyzed: 20-Sep-23				
Surfactants	0.0200		mg/L	0.100		20.0 0-200			Q

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 2312219

Reported:
27-Sep-23 17:07

Notes and Definitions

Q QC did not meet ELI acceptance criteria
ND Analyte NOT DETECTED at or above the reporting limit
< Result is less than the RL
a Analyte not available for TNI/NELAP accreditation
n Not accredited

Envirodyne Laboratories, Inc.

A handwritten signature in black ink, appearing to read 'Julie Peterson', is written over a horizontal line.

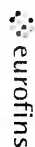
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Julie Peterson, Client Services Representative

[illegible]

9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record



Environment Testing

[illegible]

Eurofins Dallas

9701 Harry Hines Blvd
Dallas, TX 75220
Phone: 214-902-0300

Chain of Custody Record



Environment Testing

Client Information		Scmp:	Lab PM:	Carrier Tracking No(s):	COC No:
Mr. Bradley Wynne		Phone: 352-445-9207	Kimmel, Mike		870-5878-1429.2
Company: AECOM		PWSID:	E-Mail: Mike.Kimmel@eurofins.com	State of Origin:	Page 1 of 2
Address: 13365 Noel Road Suite 400		Due Date Requested:	Analysis Requested		
City: Dallas		TAT Requested (days):			
State Zip: TX, 75240		Compliance Project: ☐ Yes ☒ No			
Phone: 972-735-7068(Tel)		Purchase Order Requested			
Email: bradley.wynne@aecom.com		WO #:			
Project Name: Hightower		Project #:			
Site: 87000442		SSOW#:			
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Newest, Sealed, Overstable)
MW-11-20230911	9/11/23	1050	G	Water	
MW-10-20230911	9/11/23	1240	G	Water	
MW-09-20230911	9/11/23	1320	G	Water	
MW-15-20230911	9/11/23	1405	G	Water	
MW-04-20230911	9/11/23	1450	G	Water	
MW-14-20230911	9/11/23	1600	G	Water	
MW-12-20230911	9/11/23	1650	G	Water	
MW-06-20230911	9/11/23	1730	G	Water	
MW-02-20230912	9/12/23	0830	G	Water	
MW-13-20230912	9/12/23	1000	G	Water	
MW-07-20230912	9/12/23	1045	G	Water	
Possible Hazard Identification					
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (Specify) EDD					
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Kimm, Mike		9/12/23	1350	Received by: Kimm, Mike	
Relinquished by:		Date/Time:	Company:	Received by:	
Relinquished by:		Date/Time:	Company:	Received by:	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	
				133/13.8 X 04 0.5	

870-20622 Chain of Custody



Special Instructions/Note:

8260C - TX_1005

2320B, 9056A_ORGFM_28D, 9056A_ORGFM_48H

SM4500_CO2_D - SM4500-CO2-D C02

RSK_175 - (MOD) RSK-175

5310C - Total Organic Carbon (TOC)

8260C - BTEX

Total Number of containers

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amphoter
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecylhydrate
U - Acetone
V - MCAA
W - pH 4.5
X - Triaza
Y - Triaza
Z - other (Specify)

9701 Harry Hines Blvd
Dallas, TX 75220

Environment Testing

Ver: 06/08/2021



Environment Testing

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

FROM:
Sample Receiving
TestAmerica Pensacola
3355 MCLEMORE DR
PENSACOLA FL 32514
US

(850) 474-1001

CAD: 110190004/INET4640

TO Dallas Sample Receipt

9701 Harry Hines Blvd

Dallas TX 75220

(214) 902-0300

INV

PO

DEPT

REF

(US)

583J4/BB35/9AE3

RMA:





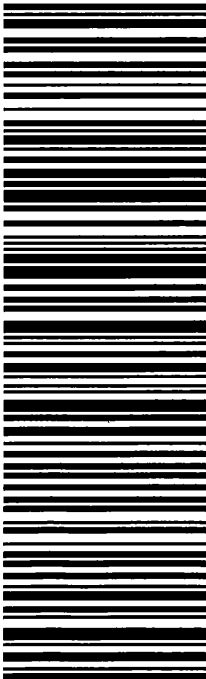
1233123073101uv

TRK# 7733 9029 5408

RETURN

75220

9622 0137 0 (000 000 0000) 0 00 7733 9029 5408

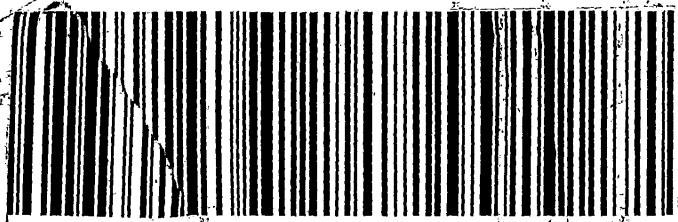


1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on [fedex.com](https://www.fedex.com). FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

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



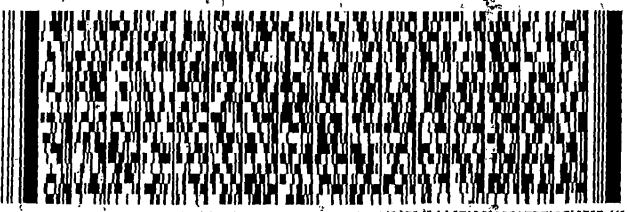
XH PNSA

32514
FL-US BFM

7733 9029 4099

TRK# 0201

WED - 13 SEP 10:30A
PRIORITY OVERNIGHT



DEPT.

PENSACOLA FL 32514
REF: (850) 474-1001
INV. PO.

TO SAMPLE RECEIVING
TESTAMERICA PENSACOLA
3355 MCLEMORE DR

DALLAS, TX 75220
UNITED STATES US

9701 HARRY HINES BLVD

DALLAS SAMPLE RECEIPT
(214) 902-0300

SHIP DATE: 12SEP23
ACTWGT: 5.00 LB
CAD: 110190004/INET4

ENVIRONME
Person Collecting St
Date Collected

36324083504

Handwritten: 11.30.23

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-20627-1

Login Number: 20627

List Number: 1

Creator: Dabinett, Ian

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-20627-1

Login Number: 20627

List Number: 2

Creator: Canadilla, Surelis

List Source: Eurofins Houston

List Creation: 09/13/23 07:58 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

ANALYTICAL REPORT

PREPARED FOR

Attn: Jake Ciesynski
Chem-Aqua, Inc.
2727 Chemsearch Blvd.
Irving, Texas 75062

Generated 10/6/2023 6:49:24 PM

JOB DESCRIPTION

TCEQ Permit Renewal-Momentum Energy

JOB NUMBER

870-20838-1

Eurofins Dallas

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/6/2023 6:49:24 PM

Authorized for release by
Mike Kimmel, Project Manager
Mike.Kimmel@et.eurofinsus.com
(214)902-0300

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	8
Surrogate Summary	13
QC Sample Results	15
QC Association Summary	38
Lab Chronicle	44
Certification Summary	45
Method Summary	46
Sample Summary	47
Subcontract Data	48
Chain of Custody	54
Receipt Checklists	56



Definitions/Glossary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Dallas

Definitions/Glossary

Client: Chem-Aqua, Inc.

Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Glossary (Continued)

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

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Job ID: 870-20838-1

Laboratory: Eurofins Dallas

Narrative

Job Narrative 870-20838-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The sample was received on 9/19/2023 2:55 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 19.1°C

Subcontract Work

Method General Subcontract Method: This method was subcontracted to Envirodyne Laboratories. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

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

GC/MS Semi VOA

Method 625.1: The continuing calibration verification (CCV) associated with batch 860-123302 recovered above the upper control limit for 2-Nitroaniline, Di-n-octyl phthalate and Pyridine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 860-123302/2).

Method 625.1: The laboratory control sample (LCS) for preparation batch 860-123254 and analytical batch 860-123302 recovered outside acceptance limits for multiple analytes. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported.

Method 625.1: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 5000 Tank (870-20838-1). These results have been reported and qualified.

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

GC Semi VOA

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

PCBs

Method 608.3_PCB: The surrogate recovery for the laboratory control sample duplicate (LCSD) associated with preparation batch 860-122364 and analytical batch 860-122475 was outside the upper control limits. (LCS 860-122364/4-A)

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

HPLC/IC

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-122619 contained Chloride and Sulfate greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Job ID: 870-20838-1 (Continued)

Laboratory: Eurofins Dallas (Continued)

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-122619 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

Method 300_ORGFM_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: 5000 Tank (870-20838-1). Elevated reporting limits (RLs) are provided.

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

Metals

Method 200.7: The method blank for preparation batch 860-122875 and analytical batch 860-123291 contained Tin above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry

Method 365.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-123001 and analytical batch 860-123324 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM4500_S2_F: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 860-123038.

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

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20838-1

Date Collected: 09/19/23 13:00

Matrix: Water

Date Received: 09/19/23 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00289	U	0.0100	0.00289	mg/L			09/20/23 07:46	2
1,1,2,2-Tetrachloroethane	<0.00343	U	0.0100	0.00343	mg/L			09/20/23 07:46	2
1,1,2-Trichloroethane	<0.00149	U	0.00400	0.00149	mg/L			09/20/23 07:46	2
1,1-Dichloroethane	<0.00207	U	0.0100	0.00207	mg/L			09/20/23 07:46	2
1,1-Dichloroethene	<0.00115	U	0.00400	0.00115	mg/L			09/20/23 07:46	2
1,2-Dibromoethane	<0.00126	U	0.00400	0.00126	mg/L			09/20/23 07:46	2
1,2-Dichlorobenzene	<0.00121	U	0.00400	0.00121	mg/L			09/20/23 07:46	2
1,2-Dichloroethane	<0.00307	U	0.0100	0.00307	mg/L			09/20/23 07:46	2
1,2-Dichloropropane	<0.00310	U	0.0100	0.00310	mg/L			09/20/23 07:46	2
1,3-Dichlorobenzene	<0.00215	U	0.0100	0.00215	mg/L			09/20/23 07:46	2
1,4-Dichlorobenzene	<0.00127	U	0.00400	0.00127	mg/L			09/20/23 07:46	2
2-Butanone	<0.00905	U	0.0400	0.00905	mg/L			09/20/23 07:46	2
2-Chloroethyl vinyl ether	<0.00239	U	0.0100	0.00239	mg/L			09/20/23 07:46	2
Acetone	<0.0425	U	0.100	0.0425	mg/L			09/20/23 07:46	2
Acrolein	<0.0462	U	0.100	0.0462	mg/L			09/20/23 07:46	2
Acrylonitrile	<0.0156	U	0.100	0.0156	mg/L			09/20/23 07:46	2
Benzene	<0.000992	U	0.00400	0.000992	mg/L			09/20/23 07:46	2
Bromodichloromethane	<0.00139	U	0.00400	0.00139	mg/L			09/20/23 07:46	2
Bromoform	<0.00267	U	0.0100	0.00267	mg/L			09/20/23 07:46	2
Bromomethane	<0.00376	U	0.0100	0.00376	mg/L			09/20/23 07:46	2
Carbon tetrachloride	<0.00252	U	0.00400	0.00252	mg/L			09/20/23 07:46	2
Chlorobenzene	<0.00189	U	0.0100	0.00189	mg/L			09/20/23 07:46	2
Chloroethane	<0.00291	U	0.0100	0.00291	mg/L			09/20/23 07:46	2
Chloroform	<0.00241	U	0.0100	0.00241	mg/L			09/20/23 07:46	2
Chloromethane	<0.00188	U	0.0100	0.00188	mg/L			09/20/23 07:46	2
Dibromochloromethane	<0.00350	U	0.0100	0.00350	mg/L			09/20/23 07:46	2
Ethylbenzene	0.00328	J	0.0100	0.00176	mg/L			09/20/23 07:46	2
MTBE	<0.00536	U	0.0200	0.00536	mg/L			09/20/23 07:46	2
Methylene Chloride	0.0111		0.0100	0.00166	mg/L			09/20/23 07:46	2
Naphthalene	<0.00185	U	0.0100	0.00185	mg/L			09/20/23 07:46	2
Tetrachloroethene	<0.00180	U	0.0100	0.00180	mg/L			09/20/23 07:46	2
Toluene	<0.00323	U	0.0100	0.00323	mg/L			09/20/23 07:46	2
Xylenes, Total	<0.00225	U	0.0100	0.00225	mg/L			09/20/23 07:46	2
Trichloroethene	<0.00339	U	0.0100	0.00339	mg/L			09/20/23 07:46	2
Trichlorofluoromethane	<0.00248	U	0.0100	0.00248	mg/L			09/20/23 07:46	2
Vinyl chloride	<0.00118	U	0.00400	0.00118	mg/L			09/20/23 07:46	2
cis-1,2-Dichloroethene	<0.00159	U	0.0100	0.00159	mg/L			09/20/23 07:46	2
cis-1,3-Dichloropropene	<0.00177	U	0.0100	0.00177	mg/L			09/20/23 07:46	2
m,p-Xylenes	<0.00225	U	0.0100	0.00225	mg/L			09/20/23 07:46	2
o-Xylene	<0.000976	U	0.00400	0.000976	mg/L			09/20/23 07:46	2
trans-1,2-Dichloroethene	<0.00181	U	0.0100	0.00181	mg/L			09/20/23 07:46	2
trans-1,3-Dichloropropene	<0.00391	U	0.0100	0.00391	mg/L			09/20/23 07:46	2
Trihalomethanes, Total	<0.00350	U	0.0100	0.00350	mg/L			09/20/23 07:46	2
Vinyl acetate	<0.00338	U	0.0100	0.00338	mg/L			09/20/23 07:46	2
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.00138	U	0.0100	0.00138	mg/L			09/20/23 07:46	2
Cyclohexane	<0.00156	U	0.0100	0.00156	mg/L			09/20/23 07:46	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		76 - 118		09/20/23 07:46	2
4-Bromofluorobenzene (Surr)	103		76 - 119		09/20/23 07:46	2

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20838-1

Date Collected: 09/19/23 13:00

Matrix: Water

Date Received: 09/19/23 14:55

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		61 - 132		09/20/23 07:46	2
Toluene-d8 (Surr)	104		74 - 130		09/20/23 07:46	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U *	0.00500	0.00161	mg/L		09/25/23 12:07	09/26/23 14:02	1
1,2-Dichlorobenzene	<0.00162	U *	0.0100	0.00162	mg/L		09/25/23 12:07	09/26/23 14:02	1
1,3-Dichlorobenzene	<0.00144	U *	0.0100	0.00144	mg/L		09/25/23 12:07	09/26/23 14:02	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/25/23 12:07	09/26/23 14:02	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/25/23 12:07	09/26/23 14:02	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/25/23 12:07	09/26/23 14:02	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/25/23 12:07	09/26/23 14:02	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/25/23 12:07	09/26/23 14:02	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/25/23 12:07	09/26/23 14:02	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/25/23 12:07	09/26/23 14:02	1
2,6-Dinitrotoluene	<0.00161	U *	0.00500	0.00161	mg/L		09/25/23 12:07	09/26/23 14:02	1
2-Chloronaphthalene	<0.000462	U *	0.00500	0.000462	mg/L		09/25/23 12:07	09/26/23 14:02	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/25/23 12:07	09/26/23 14:02	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/25/23 12:07	09/26/23 14:02	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/25/23 12:07	09/26/23 14:02	1
2-Nitroaniline	<0.00197	U	0.0100	0.00197	mg/L		09/25/23 12:07	09/26/23 14:02	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/25/23 12:07	09/26/23 14:02	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/25/23 12:07	09/26/23 14:02	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/25/23 12:07	09/26/23 14:02	1
3-Nitroaniline	<0.00225	U *	0.0100	0.00225	mg/L		09/25/23 12:07	09/26/23 14:02	1
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/25/23 12:07	09/26/23 14:02	1
4-Bromophenyl phenyl ether	<0.000256	U *	0.00500	0.000256	mg/L		09/25/23 12:07	09/26/23 14:02	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/25/23 12:07	09/26/23 14:02	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/25/23 12:07	09/26/23 14:02	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/25/23 12:07	09/26/23 14:02	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/25/23 12:07	09/26/23 14:02	1
Acenaphthene	<0.00139	U *	0.00570	0.00139	mg/L		09/25/23 12:07	09/26/23 14:02	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/25/23 12:07	09/26/23 14:02	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/25/23 12:07	09/26/23 14:02	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/25/23 12:07	09/26/23 14:02	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/25/23 12:07	09/26/23 14:02	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/25/23 12:07	09/26/23 14:02	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/25/23 12:07	09/26/23 14:02	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/25/23 12:07	09/26/23 14:02	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/25/23 12:07	09/26/23 14:02	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/25/23 12:07	09/26/23 14:02	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/25/23 12:07	09/26/23 14:02	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/25/23 12:07	09/26/23 14:02	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/25/23 12:07	09/26/23 14:02	1
bis (2-chloroisopropyl) ether	<0.00179	U *	0.0100	0.00179	mg/L		09/25/23 12:07	09/26/23 14:02	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/25/23 12:07	09/26/23 14:02	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/25/23 12:07	09/26/23 14:02	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/25/23 12:07	09/26/23 14:02	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/25/23 12:07	09/26/23 14:02	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20838-1

Date Collected: 09/19/23 13:00

Matrix: Water

Date Received: 09/19/23 14:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/25/23 12:07	09/26/23 14:02	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/25/23 12:07	09/26/23 14:02	1
Di-n-butyl phthalate	0.000770	J B	0.00500	0.000252	mg/L		09/25/23 12:07	09/26/23 14:02	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/25/23 12:07	09/26/23 14:02	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/25/23 12:07	09/26/23 14:02	1
Fluorene	<0.00163	U *	0.00500	0.00163	mg/L		09/25/23 12:07	09/26/23 14:02	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/25/23 12:07	09/26/23 14:02	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/25/23 12:07	09/26/23 14:02	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/25/23 12:07	09/26/23 14:02	1
Hexachloroethane	<0.000526	U *	0.00480	0.000526	mg/L		09/25/23 12:07	09/26/23 14:02	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/25/23 12:07	09/26/23 14:02	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/25/23 12:07	09/26/23 14:02	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/25/23 12:07	09/26/23 14:02	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/25/23 12:07	09/26/23 14:02	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/25/23 12:07	09/26/23 14:02	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/25/23 12:07	09/26/23 14:02	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/25/23 12:07	09/26/23 14:02	1
Phenanthrene	<0.00142	U *	0.0100	0.00142	mg/L		09/25/23 12:07	09/26/23 14:02	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/25/23 12:07	09/26/23 14:02	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/25/23 12:07	09/26/23 14:02	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		09/25/23 12:07	09/26/23 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		31 - 132	09/25/23 12:07	09/26/23 14:02	1
2-Fluorobiphenyl (Surr)	67		29 - 112	09/25/23 12:07	09/26/23 14:02	1
2-Fluorophenol (Surr)	27	S1-	28 - 114	09/25/23 12:07	09/26/23 14:02	1
Nitrobenzene-d5 (Surr)	71		15 - 314	09/25/23 12:07	09/26/23 14:02	1
p-Terphenyl-d14 (Surr)	66		20 - 141	09/25/23 12:07	09/26/23 14:02	1
Phenol-d5 (Surr)	17		8 - 424	09/25/23 12:07	09/26/23 14:02	1

Method: EPA 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/20/23 09:30	09/20/23 17:06	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/20/23 09:30	09/20/23 17:06	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/20/23 09:30	09/20/23 17:06	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/20/23 09:30	09/20/23 17:06	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/20/23 09:30	09/20/23 17:06	1
PCB-1254	<0.00000780	U	0.000100	0.0000078	mg/L		09/20/23 09:30	09/20/23 17:06	1
				0					
PCB-1260	<0.00000780	U	0.000100	0.0000078	mg/L		09/20/23 09:30	09/20/23 17:06	1
				0					
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/20/23 09:30	09/20/23 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	102		18 - 126				09/20/23 09:30	09/20/23 17:06	1
DCB Decachlorobiphenyl (Surr)	133		15 - 136				09/20/23 09:30	09/20/23 17:06	1

Method: EPA-01 615 - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000444	U	0.000200	0.0000444	mg/L		09/20/23 11:03	09/21/23 16:35	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20838-1

Date Collected: 09/19/23 13:00

Matrix: Water

Date Received: 09/19/23 14:55

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	108		45 - 150				09/20/23 11:03	09/21/23 16:35	1
Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.658		0.500	0.0711	mg/L			09/20/23 21:59	1
Fluoride	0.167	J	0.500	0.100	mg/L			09/20/23 21:59	1
Sulfate	45.0		0.500	0.200	mg/L			09/20/23 21:59	1
Method: EPA 300.0 - Anions, Ion Chromatography - DL									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	483		5.00	2.50	mg/L			09/20/23 22:09	10
Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0463	J	0.0500	0.0173	mg/L		09/22/23 01:31	09/25/23 12:21	1
Iron	1.51		0.200	0.0185	mg/L		09/22/23 01:31	09/25/23 12:21	1
Magnesium	17.6		0.200	0.0428	mg/L		09/22/23 01:31	09/25/23 12:21	1
Molybdenum	0.00871	J	0.0100	0.00261	mg/L		09/22/23 01:31	09/25/23 12:21	1
Tin	<0.00668	U	0.0200	0.00668	mg/L		09/22/23 01:31	09/25/23 12:21	1
Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.474		0.0200	0.00301	mg/L		09/22/23 00:15	09/22/23 13:02	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		09/22/23 00:15	09/22/23 13:02	1
Arsenic	0.00206	J	0.00400	0.000341	mg/L		09/22/23 00:15	09/22/23 13:02	1
Barium	0.0477		0.00400	0.000289	mg/L		09/22/23 00:15	09/22/23 13:02	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		09/22/23 00:15	09/22/23 13:02	1
Cadmium	0.000159	J	0.00200	0.0000850	mg/L		09/22/23 00:15	09/22/23 13:02	1
Chromium	0.000352	J	0.00400	0.000325	mg/L		09/22/23 00:15	09/22/23 13:02	1
Cobalt	0.00280		0.00200	0.000131	mg/L		09/22/23 00:15	09/22/23 13:02	1
Copper	0.00553		0.00400	0.000690	mg/L		09/22/23 00:15	09/22/23 13:02	1
Lead	0.000497	J	0.00200	0.000140	mg/L		09/22/23 00:15	09/22/23 13:02	1
Manganese	0.157		0.00200	0.000160	mg/L		09/22/23 00:15	09/22/23 13:02	1
Nickel	0.00581		0.00200	0.000486	mg/L		09/22/23 00:15	09/22/23 13:02	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		09/22/23 00:15	09/22/23 13:02	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		09/22/23 00:15	09/22/23 13:02	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		09/22/23 00:15	09/22/23 13:02	1
Titanium	0.0110		0.00400	0.000419	mg/L		09/22/23 00:15	09/22/23 13:02	1
Zinc	0.0356		0.00400	0.000885	mg/L		09/22/23 00:15	09/22/23 13:02	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	0.966		0.100	0.0510	mg/L			09/21/23 19:56	1
Nitrogen, Kjeldahl (EPA 351.2)	0.854		0.200	0.0890	mg/L		09/22/23 11:56	09/25/23 12:37	1
Nitrate Nitrite as N (EPA 353.2)	<0.0500	U	0.100	0.0500	mg/L			09/27/23 11:20	1
Total Phosphorus as P (EPA 365.1)	8.95	F1	0.500	0.240	mg/L		09/22/23 12:50	09/22/23 20:23	25
Chemical Oxygen Demand (Hach 8000)	20.0		20.0	3.36	mg/L			09/25/23 14:14	1
Color, Apparent (SM 2120B)	20.0		5.00	5.00	Color Units			09/21/23 12:40	1
Color, True (SM 2120B)	15.0		5.00	5.00	Color Units			09/21/23 12:40	1
pH (SM 2120B)	7.90		0.100	0.100	S.U.			09/21/23 12:40	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20838-1

Date Collected: 09/19/23 13:00

Matrix: Water

Date Received: 09/19/23 14:55

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	170		4.00	4.00	mg/L			09/21/23 14:38	1
Total Dissolved Solids (SM 2540C)	1290		10.0	10.0	mg/L			09/20/23 14:46	1
Total Suspended Solids (SM 2540D)	10.3		2.78	2.78	mg/L			09/21/23 15:02	1
Chromium, hexavalent (SM 3500 CR B)	<0.00280	U	0.0100	0.00280	mg/L			09/19/23 16:32	1
Sulfide (SM 4500 S2 F)	<2.00	U	5.00	2.00	mg/L			09/22/23 16:25	1
Sulfite (SM 4500 SO3 B)	<5.00	U HF	5.00	5.00	mg/L			09/26/23 17:24	1
Biochemical Oxygen Demand (SM 5210B)	5.06		3.00	3.00	mg/L			09/20/23 14:50	1
Total Organic Carbon (SM 5310C)	3.42		1.00	0.500	mg/L			09/25/23 21:48	1
Carbonaceous Biochemical Oxygen Demand (SM5210B CBOD, Nitrogen, Total (EPA Total Nitrogen)	4.53		3.00	3.00	mg/L			09/20/23 15:30	1
	0.854		0.200	0.0614	mg/L			09/26/23 21:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.89		1.00	0.548	mg/L			09/26/23 16:36	1

Surrogate Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (76-118)	BFB (76-119)	DBFM (61-132)	TOL (74-130)
870-20271-A-8 LCS	Lab Control Sample	97	107	105	104
870-20838-1	5000 Tank	115	103	111	104
LCSD 870-15280/13	Lab Control Sample Dup	95	106	102	105
MB 870-15280/18	Method Blank	114	107	102	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (31-132)	FBP (29-112)	2FP (28-114)	NBZ (15-314)	TPHd14 (20-141)	PHL (8-424)
870-20838-1	5000 Tank	63	67	27 S1-	71	66	17
LCS 860-123254/2-A	Lab Control Sample	67	58	38	62	72	29
LCSD 860-123254/3-A	Lab Control Sample Dup	61	55	36	59	67	28
MB 860-123254/1-A	Method Blank	62	71	47	76	77	31

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (18-126)	DCB1 (15-136)
870-20838-1	5000 Tank	102	133
LCS 860-122364/4-A	Lab Control Sample	109	148 S1+
LCSD 860-122364/5-A	Lab Control Sample Dup	81	130
MB 860-122364/1-A	Method Blank	91	95

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 615 - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	DCPAA1 (45-150)					
870-20838-1	5000 Tank	108					

Eurofins Dallas

Surrogate Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: 615 - Herbicides (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DCPAA1 (45-150)
LCS 860-122545/2-A	Lab Control Sample	116 p
LCSD 860-122545/3-A	Lab Control Sample Dup	124 p
MB 860-122545/1-A	Method Blank	138
Surrogate Legend		
DCPAA = 2,4-Dichlorophenylacetic acid		

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: MB 870-15280/18

Matrix: Water

Analysis Batch: 15280

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/20/23 03:17	1
1,1,2,2-Tetrachloroethane	<0.00171	U	0.00500	0.00171	mg/L			09/20/23 03:17	1
1,1,2-Trichloroethane	<0.000747	U	0.00200	0.000747	mg/L			09/20/23 03:17	1
1,1-Dichloroethane	<0.00103	U	0.00500	0.00103	mg/L			09/20/23 03:17	1
1,1-Dichloroethene	<0.000575	U	0.00200	0.000575	mg/L			09/20/23 03:17	1
1,2-Dibromoethane	<0.000631	U	0.00200	0.000631	mg/L			09/20/23 03:17	1
1,2-Dichlorobenzene	<0.000603	U	0.00200	0.000603	mg/L			09/20/23 03:17	1
1,2-Dichloroethane	<0.00153	U	0.00500	0.00153	mg/L			09/20/23 03:17	1
1,2-Dichloropropane	<0.00155	U	0.00500	0.00155	mg/L			09/20/23 03:17	1
1,3-Dichlorobenzene	<0.00108	U	0.00500	0.00108	mg/L			09/20/23 03:17	1
1,4-Dichlorobenzene	<0.000637	U	0.00200	0.000637	mg/L			09/20/23 03:17	1
2-Butanone	<0.00453	U	0.0200	0.00453	mg/L			09/20/23 03:17	1
2-Chloroethyl vinyl ether	<0.00120	U	0.00500	0.00120	mg/L			09/20/23 03:17	1
Acetone	<0.0213	U	0.0500	0.0213	mg/L			09/20/23 03:17	1
Acrolein	<0.0231	U	0.0500	0.0231	mg/L			09/20/23 03:17	1
Acrylonitrile	<0.00780	U	0.0500	0.00780	mg/L			09/20/23 03:17	1
Benzene	<0.000496	U	0.00200	0.000496	mg/L			09/20/23 03:17	1
Bromodichloromethane	<0.000696	U	0.00200	0.000696	mg/L			09/20/23 03:17	1
Bromoform	<0.00133	U	0.00500	0.00133	mg/L			09/20/23 03:17	1
Bromomethane	<0.00188	U	0.00500	0.00188	mg/L			09/20/23 03:17	1
Carbon tetrachloride	<0.00126	U	0.00200	0.00126	mg/L			09/20/23 03:17	1
Chlorobenzene	<0.000945	U	0.00500	0.000945	mg/L			09/20/23 03:17	1
Chloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/20/23 03:17	1
Chloroform	<0.00121	U	0.00500	0.00121	mg/L			09/20/23 03:17	1
Chloromethane	<0.000941	U	0.00500	0.000941	mg/L			09/20/23 03:17	1
Dibromochloromethane	<0.00175	U	0.00500	0.00175	mg/L			09/20/23 03:17	1
Ethylbenzene	<0.000878	U	0.00500	0.000878	mg/L			09/20/23 03:17	1
MTBE	<0.00268	U	0.0100	0.00268	mg/L			09/20/23 03:17	1
Methylene Chloride	<0.000829	U	0.00500	0.000829	mg/L			09/20/23 03:17	1
Naphthalene	<0.000927	U	0.00500	0.000927	mg/L			09/20/23 03:17	1
Tetrachloroethene	<0.000900	U	0.00500	0.000900	mg/L			09/20/23 03:17	1
Toluene	<0.00161	U	0.00500	0.00161	mg/L			09/20/23 03:17	1
Xylenes, Total	<0.00113	U	0.00500	0.00113	mg/L			09/20/23 03:17	1
Trichloroethene	<0.00169	U	0.00500	0.00169	mg/L			09/20/23 03:17	1
Trichlorofluoromethane	<0.00124	U	0.00500	0.00124	mg/L			09/20/23 03:17	1
Vinyl chloride	<0.000592	U	0.00200	0.000592	mg/L			09/20/23 03:17	1
cis-1,2-Dichloroethene	<0.000796	U	0.00500	0.000796	mg/L			09/20/23 03:17	1
cis-1,3-Dichloropropene	<0.000885	U	0.00500	0.000885	mg/L			09/20/23 03:17	1
m,p-Xylenes	<0.00113	U	0.00500	0.00113	mg/L			09/20/23 03:17	1
o-Xylene	<0.000488	U	0.00200	0.000488	mg/L			09/20/23 03:17	1
trans-1,2-Dichloroethene	<0.000903	U	0.00500	0.000903	mg/L			09/20/23 03:17	1
trans-1,3-Dichloropropene	<0.00195	U	0.00500	0.00195	mg/L			09/20/23 03:17	1
Trihalomethanes, Total	<0.00175	U	0.00500	0.00175	mg/L			09/20/23 03:17	1
Vinyl acetate	<0.00169	U	0.00500	0.00169	mg/L			09/20/23 03:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.00500	0.000692	mg/L			09/20/23 03:17	1
Cyclohexane	<0.000781	U	0.00500	0.000781	mg/L			09/20/23 03:17	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: MB 870-15280/18

Matrix: Water

Analysis Batch: 15280

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		76 - 118		09/20/23 03:17	1
4-Bromofluorobenzene (Surr)	107		76 - 119		09/20/23 03:17	1
Dibromofluoromethane (Surr)	102		61 - 132		09/20/23 03:17	1
Toluene-d8 (Surr)	106		74 - 130		09/20/23 03:17	1

Lab Sample ID: 870-20271-A-8 LCS

Matrix: Water

Analysis Batch: 15280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0503	0.05434		mg/L		108	70 - 130
1,1,2,2-Tetrachloroethane	0.0504	0.05252		mg/L		104	70 - 130
1,1,2-Trichloroethane	0.0503	0.05370		mg/L		107	75 - 130
1,1-Dichloroethane	0.0505	0.05358		mg/L		106	71 - 130
1,1-Dichloroethene	0.0504	0.05608		mg/L		111	70 - 130
1,2-Dibromoethane	0.0504	0.05416		mg/L		107	70 - 130
1,2-Dichlorobenzene	0.0503	0.05415		mg/L		108	70 - 130
1,2-Dichloroethane	0.0505	0.04856		mg/L		96	72 - 130
1,2-Dichloropropane	0.0504	0.05424		mg/L		108	70 - 130
1,3-Dichlorobenzene	0.0504	0.05350		mg/L		106	75 - 130
1,4-Dichlorobenzene	0.0504	0.05243		mg/L		104	70 - 130
2-Butanone	0.500	0.5083		mg/L		102	70 - 130
2-Chloroethyl vinyl ether	0.0500	0.05779		mg/L		116	70 - 130
Acetone	0.501	0.4969		mg/L		99	70 - 130
Acrolein	0.498	0.4819		mg/L		97	70 - 130
Acrylonitrile	0.504	0.5450		mg/L		108	70 - 130
Benzene	0.0503	0.05309		mg/L		106	70 - 130
Bromodichloromethane	0.0505	0.05257		mg/L		104	70 - 130
Bromoform	0.0504	0.05473		mg/L		109	70 - 130
Bromomethane	0.0501	0.04449		mg/L		89	70 - 130
Carbon tetrachloride	0.0505	0.05564		mg/L		110	70 - 125
Chlorobenzene	0.0504	0.05387		mg/L		107	70 - 130
Chloroethane	0.0500	0.04965		mg/L		99	70 - 130
Chloroform	0.0505	0.04919		mg/L		97	70 - 121
Chloromethane	0.0500	0.04806		mg/L		96	70 - 130
Dibromochloromethane	0.0503	0.05319		mg/L		106	70 - 130
Ethylbenzene	0.0504	0.05531		mg/L		110	75 - 130
MTBE	0.0503	0.05404		mg/L		107	70 - 130
Methylene Chloride	0.0504	0.05951		mg/L		118	70 - 130
Naphthalene	0.0502	0.06048		mg/L		120	70 - 130
Tetrachloroethene	0.0503	0.05529		mg/L		110	70 - 130
Toluene	0.0505	0.05260		mg/L		104	75 - 130
Trichloroethene	0.0503	0.05378		mg/L		107	75 - 130
Trichlorofluoromethane	0.0500	0.04611		mg/L		92	70 - 130
Vinyl chloride	0.0500	0.05073		mg/L		101	70 - 130
cis-1,2-Dichloroethene	0.0503	0.05465		mg/L		109	70 - 130
cis-1,3-Dichloropropene	0.0505	0.05660		mg/L		112	70 - 130
m,p-Xylenes	0.0503	0.05532		mg/L		110	70 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: 870-20271-A-8 LCS

Matrix: Water

Analysis Batch: 15280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.0504	0.05711		mg/L		113	70 - 130
trans-1,2-Dichloroethene	0.0505	0.05272		mg/L		104	70 - 130
trans-1,3-Dichloropropene	0.0504	0.05657		mg/L		112	70 - 130
Vinyl acetate	0.101	0.1031		mg/L		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.05275		mg/L		105	70 - 130
Cyclohexane	0.0504	0.05212		mg/L		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		76 - 118
4-Bromofluorobenzene (Surr)	107		76 - 119
Dibromofluoromethane (Surr)	105		61 - 132
Toluene-d8 (Surr)	104		74 - 130

Lab Sample ID: LCSD 870-15280/13

Matrix: Water

Analysis Batch: 15280

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0503	0.05470		mg/L		109	70 - 130	2	21
1,1,2,2-Tetrachloroethane	0.0504	0.05428		mg/L		108	70 - 130	0	25
1,1,2-Trichloroethane	0.0503	0.05564		mg/L		111	75 - 130	1	25
1,1-Dichloroethane	0.0505	0.05225		mg/L		103	71 - 130	1	24
1,1-Dichloroethene	0.0504	0.05472		mg/L		109	70 - 130	1	25
1,2-Dibromoethane	0.0504	0.05674		mg/L		112	70 - 130	2	25
1,2-Dichlorobenzene	0.0503	0.05624		mg/L		112	70 - 130	3	25
1,2-Dichloroethane	0.0505	0.05357		mg/L		106	72 - 130	0	25
1,2-Dichloropropane	0.0504	0.05482		mg/L		109	70 - 130	2	25
1,3-Dichlorobenzene	0.0504	0.05521		mg/L		110	75 - 130	3	24
1,4-Dichlorobenzene	0.0504	0.05364		mg/L		106	70 - 130	2	25
2-Butanone	0.500	0.5212		mg/L		104	70 - 130	4	25
2-Chloroethyl vinyl ether	0.0500	0.06040		mg/L		121	70 - 130	0	25
Acetone	0.501	0.5145		mg/L		103	70 - 130	3	25
Acrolein	0.498	0.5102		mg/L		102	70 - 130	2	25
Acrylonitrile	0.504	0.5358		mg/L		106	70 - 130	4	25
Benzene	0.0503	0.05625		mg/L		112	70 - 130	0	25
Bromodichloromethane	0.0505	0.05371		mg/L		106	70 - 130	1	25
Bromoform	0.0504	0.05749		mg/L		114	70 - 130	1	25
Bromomethane	0.0501	0.04512		mg/L		90	70 - 130	2	25
Carbon tetrachloride	0.0505	0.05614		mg/L		111	70 - 125	0	25
Chlorobenzene	0.0504	0.05521		mg/L		109	70 - 130	2	25
Chloroethane	0.0500	0.04963		mg/L		99	70 - 130	0	25
Chloroform	0.0505	0.05032		mg/L		100	70 - 121	3	25
Chloromethane	0.0500	0.04733		mg/L		95	70 - 130	3	25
Dibromochloromethane	0.0503	0.05563		mg/L		111	70 - 130	3	25
Ethylbenzene	0.0504	0.05613		mg/L		111	75 - 130	2	25
MTBE	0.0503	0.05370		mg/L		107	70 - 130	1	25
Methylene Chloride	0.0504	0.05029		mg/L		100	70 - 130	18	25
Naphthalene	0.0502	0.06174		mg/L		123	70 - 130	1	25

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: LCSD 870-15280/13

Matrix: Water

Analysis Batch: 15280

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	0.0503	0.05536		mg/L		110	70 - 130	3	23
Toluene	0.0505	0.05382		mg/L		107	75 - 130	2	22
Trichloroethene	0.0503	0.05233		mg/L		104	75 - 130	0	25
Trichlorofluoromethane	0.0500	0.04586		mg/L		92	70 - 130	0	25
Vinyl chloride	0.0500	0.04952		mg/L		99	70 - 130	1	25
cis-1,2-Dichloroethene	0.0503	0.05074		mg/L		101	70 - 130	2	25
cis-1,3-Dichloropropene	0.0505	0.05873		mg/L		116	70 - 130	0	25
m,p-Xylenes	0.0503	0.05587		mg/L		111	70 - 130	1	25
o-Xylene	0.0504	0.05894		mg/L		117	70 - 130	2	25
trans-1,2-Dichloroethene	0.0505	0.05304		mg/L		105	70 - 130	2	25
trans-1,3-Dichloropropene	0.0504	0.05859		mg/L		116	70 - 130	0	25
Vinyl acetate	0.101	0.1134		mg/L		113	70 - 130	8	25
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.05471		mg/L		108	70 - 130	7	25
Cyclohexane	0.0504	0.05529		mg/L		110	70 - 130	0	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		76 - 118
4-Bromofluorobenzene (Surr)	106		76 - 119
Dibromofluoromethane (Surr)	102		61 - 132
Toluene-d8 (Surr)	105		74 - 130

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

Lab Sample ID: MB 860-123254/1-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		09/25/23 12:07	09/25/23 22:21	1
1,2-Dichlorobenzene	<0.00162	U	0.0100	0.00162	mg/L		09/25/23 12:07	09/25/23 22:21	1
1,3-Dichlorobenzene	<0.00144	U	0.0100	0.00144	mg/L		09/25/23 12:07	09/25/23 22:21	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/25/23 12:07	09/25/23 22:21	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/25/23 12:07	09/25/23 22:21	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/25/23 12:07	09/25/23 22:21	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/25/23 12:07	09/25/23 22:21	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/25/23 12:07	09/25/23 22:21	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/25/23 12:07	09/25/23 22:21	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/25/23 12:07	09/25/23 22:21	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		09/25/23 12:07	09/25/23 22:21	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		09/25/23 12:07	09/25/23 22:21	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/25/23 12:07	09/25/23 22:21	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/25/23 12:07	09/25/23 22:21	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/25/23 12:07	09/25/23 22:21	1
2-Nitroaniline	<0.00197	U	0.0100	0.00197	mg/L		09/25/23 12:07	09/25/23 22:21	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/25/23 12:07	09/25/23 22:21	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/25/23 12:07	09/25/23 22:21	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/25/23 12:07	09/25/23 22:21	1
3-Nitroaniline	<0.00225	U	0.0100	0.00225	mg/L		09/25/23 12:07	09/25/23 22:21	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: MB 860-123254/1-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/25/23 12:07	09/25/23 22:21	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		09/25/23 12:07	09/25/23 22:21	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/25/23 12:07	09/25/23 22:21	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/25/23 12:07	09/25/23 22:21	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/25/23 12:07	09/25/23 22:21	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/25/23 12:07	09/25/23 22:21	1
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		09/25/23 12:07	09/25/23 22:21	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/25/23 12:07	09/25/23 22:21	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/25/23 12:07	09/25/23 22:21	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/25/23 12:07	09/25/23 22:21	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/25/23 12:07	09/25/23 22:21	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/25/23 12:07	09/25/23 22:21	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/25/23 12:07	09/25/23 22:21	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/25/23 12:07	09/25/23 22:21	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/25/23 12:07	09/25/23 22:21	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/25/23 12:07	09/25/23 22:21	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/25/23 12:07	09/25/23 22:21	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/25/23 12:07	09/25/23 22:21	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/25/23 12:07	09/25/23 22:21	1
bis (2-chloroisopropyl) ether	<0.00179	U	0.0100	0.00179	mg/L		09/25/23 12:07	09/25/23 22:21	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/25/23 12:07	09/25/23 22:21	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/25/23 12:07	09/25/23 22:21	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/25/23 12:07	09/25/23 22:21	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/25/23 12:07	09/25/23 22:21	1
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/25/23 12:07	09/25/23 22:21	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/25/23 12:07	09/25/23 22:21	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		09/25/23 12:07	09/25/23 22:21	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/25/23 12:07	09/25/23 22:21	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/25/23 12:07	09/25/23 22:21	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		09/25/23 12:07	09/25/23 22:21	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/25/23 12:07	09/25/23 22:21	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/25/23 12:07	09/25/23 22:21	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/25/23 12:07	09/25/23 22:21	1
Hexachloroethane	<0.000526	U	0.00480	0.000526	mg/L		09/25/23 12:07	09/25/23 22:21	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/25/23 12:07	09/25/23 22:21	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/25/23 12:07	09/25/23 22:21	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/25/23 12:07	09/25/23 22:21	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/25/23 12:07	09/25/23 22:21	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/25/23 12:07	09/25/23 22:21	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/25/23 12:07	09/25/23 22:21	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/25/23 12:07	09/25/23 22:21	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		09/25/23 12:07	09/25/23 22:21	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/25/23 12:07	09/25/23 22:21	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/25/23 12:07	09/25/23 22:21	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		09/25/23 12:07	09/25/23 22:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		31 - 132	09/25/23 12:07	09/25/23 22:21	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: MB 860-123254/1-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123254

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		29 - 112	09/25/23 12:07	09/25/23 22:21	1
2-Fluorophenol (Surr)	47		28 - 114	09/25/23 12:07	09/25/23 22:21	1
Nitrobenzene-d5 (Surr)	76		15 - 314	09/25/23 12:07	09/25/23 22:21	1
p-Terphenyl-d14 (Surr)	77		20 - 141	09/25/23 12:07	09/25/23 22:21	1
Phenol-d5 (Surr)	31		8 - 424	09/25/23 12:07	09/25/23 22:21	1

Lab Sample ID: LCS 860-123254/2-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	0.0400	0.01903	*-	mg/L		48	57 - 130
1,2-Dichlorobenzene	0.0400	0.01802	*-	mg/L		45	60 - 140
1,3-Dichlorobenzene	0.0400	0.01674	*-	mg/L		42	60 - 140
1,4-Dichlorobenzene	0.0400	0.01718		mg/L		43	19 - 121
2,4,5-Trichlorophenol	0.0400	0.02494		mg/L		62	35 - 111
2,4,6-Trichlorophenol	0.0400	0.02472		mg/L		62	52 - 129
2,4-Dichlorophenol	0.0400	0.02334		mg/L		58	52 - 122
2,4-Dimethylphenol	0.0400	0.02170		mg/L		54	42 - 120
2,4-Dinitrophenol	0.0400	0.03246		mg/L		81	12 - 173
2,4-Dinitrotoluene	0.0400	0.02613		mg/L		65	48 - 127
2,6-Dinitrotoluene	0.0400	0.02789		mg/L		70	68 - 137
2-Chloronaphthalene	0.0400	0.02255	*-	mg/L		56	65 - 120
2-Chlorophenol	0.0400	0.02157		mg/L		54	36 - 120
2-Methylnaphthalene	0.0400	0.02234		mg/L		56	25 - 175
2-Methylphenol	0.0400	0.02123		mg/L		53	14 - 176
2-Nitroaniline	0.0400	0.02961		mg/L		74	34 - 121
2-Nitrophenol	0.0400	0.02484		mg/L		62	45 - 167
3 & 4 Methylphenol	0.0400	0.01947		mg/L		49	14 - 176
3,3'-Dichlorobenzidine	0.0400	0.02907		mg/L		73	18 - 213
3-Nitroaniline	0.0400	0.02466	*-	mg/L		62	65 - 135
4,6-Dinitro-2-methylphenol	0.0400	0.03111		mg/L		78	53 - 130
4-Bromophenyl phenyl ether	0.0400	0.02443	*-	mg/L		61	65 - 120
4-Chloro-3-methylphenol	0.0400	0.02474		mg/L		62	41 - 128
4-Chlorophenyl phenyl ether	0.0400	0.02358		mg/L		59	38 - 145
4-Nitroaniline	0.0400	0.02826		mg/L		71	65 - 135
4-Nitrophenol	0.0400	0.01403		mg/L		35	13 - 129
Acenaphthene	0.0400	0.02393		mg/L		60	60 - 132
Acenaphthylene	0.0400	0.02490		mg/L		62	54 - 126
Aniline (Phenylamine, Aminobenzene)	0.0400	0.01549		mg/L		39	5 - 115
Anthracene	0.0400	0.02856		mg/L		71	43 - 120
Benzo[a]anthracene	0.0400	0.02923		mg/L		73	42 - 133
Benzo[a]pyrene	0.0400	0.02871		mg/L		72	32 - 148
Benzo[b]fluoranthene	0.0400	0.03013		mg/L		75	42 - 140
Benzo[g,h,i]perylene	0.0400	0.03012		mg/L		75	13 - 195
Benzo[k]fluoranthene	0.0400	0.02779		mg/L		69	25 - 146
Benzoic acid	0.120	0.06703		mg/L		56	30 - 115
Butyl benzyl phthalate	0.0400	0.02850		mg/L		71	12 - 140

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: LCS 860-123254/2-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123254

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.0400	0.02516		mg/L		63	49 - 165
Bis(2-chloroethyl)ether	0.0400	0.02311		mg/L		58	43 - 126
bis (2-chloroisopropyl) ether	0.0400	0.02473	*-	mg/L		62	63 - 139
Bis(2-ethylhexyl) phthalate	0.0400	0.02854		mg/L		71	29 - 137
Chrysene	0.0400	0.02903		mg/L		73	44 - 140
Dibenz(a,h)anthracene	0.0400	0.02975		mg/L		74	16 - 200
Dibenzofuran	0.0400	0.02411		mg/L		60	52 - 125
Diethyl phthalate	0.0400	0.02702		mg/L		68	17 - 120
Dimethyl phthalate	0.0400	0.02550		mg/L		64	25 - 120
Di-n-butyl phthalate	0.0400	0.02837		mg/L		71	8 - 120
Di-n-octyl phthalate	0.0400	0.03316		mg/L		83	19 - 132
Fluoranthene	0.0400	0.03065		mg/L		77	43 - 121
Fluorene	0.0400	0.02497	*-	mg/L		62	70 - 120
Hexachlorobenzene	0.0400	0.02477		mg/L		62	8 - 142
Hexachlorobutadiene	0.0400	0.01688		mg/L		42	38 - 120
Hexachlorocyclopentadiene	0.0400	0.01773		mg/L		44	41 - 125
Hexachloroethane	0.0400	0.01666	*-	mg/L		42	55 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.03008		mg/L		75	13 - 151
Isophorone	0.0400	0.02614		mg/L		65	47 - 180
Naphthalene	0.0400	0.02149		mg/L		54	36 - 120
Nitrobenzene	0.0400	0.02441		mg/L		61	54 - 158
N-Nitrosodi-n-propylamine	0.0400	0.02630		mg/L		66	14 - 198
N-Nitrosodiphenylamine	0.0400	0.02749		mg/L		69	2 - 196
Pentachlorophenol	0.0400	0.02973		mg/L		74	38 - 152
Phenanthrene	0.0400	0.02711		mg/L		68	65 - 120
Phenol	0.0400	0.01258		mg/L		31	17 - 120
Pyrene	0.0400	0.03089		mg/L		77	70 - 120
Pyridine	0.0400	0.008156	J	mg/L		20	5 - 94

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	67		31 - 132
2-Fluorobiphenyl (Surr)	58		29 - 112
2-Fluorophenol (Surr)	38		28 - 114
Nitrobenzene-d5 (Surr)	62		15 - 314
p-Terphenyl-d14 (Surr)	72		20 - 141
Phenol-d5 (Surr)	29		8 - 424

Lab Sample ID: LCSD 860-123254/3-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 123254

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	0.0400	0.01793	*-	mg/L		45	57 - 130	6	30
1,2-Dichlorobenzene	0.0400	0.01766	*-	mg/L		44	60 - 140	2	30
1,3-Dichlorobenzene	0.0400	0.01635	*-	mg/L		41	60 - 140	2	30
1,4-Dichlorobenzene	0.0400	0.01686		mg/L		42	19 - 121	2	30
2,4,5-Trichlorophenol	0.0400	0.02361		mg/L		59	35 - 111	6	30
2,4,6-Trichlorophenol	0.0400	0.02373		mg/L		59	52 - 129	4	30

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: LCSD 860-123254/3-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 123254

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dichlorophenol	0.0400	0.02247		mg/L		56	52 - 122	4	30
2,4-Dimethylphenol	0.0400	0.02077		mg/L		52	42 - 120	4	30
2,4-Dinitrophenol	0.0400	0.03193		mg/L		80	12 - 173	2	30
2,4-Dinitrotoluene	0.0400	0.02450		mg/L		61	48 - 127	6	25
2,6-Dinitrotoluene	0.0400	0.02639	*-	mg/L		66	68 - 137	6	29
2-Chloronaphthalene	0.0400	0.02147	*-	mg/L		54	65 - 120	5	15
2-Chlorophenol	0.0400	0.02089		mg/L		52	36 - 120	3	30
2-Methylnaphthalene	0.0400	0.02098		mg/L		52	25 - 175	6	30
2-Methylphenol	0.0400	0.02020		mg/L		51	14 - 176	5	30
2-Nitroaniline	0.0400	0.03221		mg/L		81	34 - 121	8	30
2-Nitrophenol	0.0400	0.02407		mg/L		60	45 - 167	3	30
3 & 4 Methylphenol	0.0400	0.01865		mg/L		47	14 - 176	4	30
3,3'-Dichlorobenzidine	0.0400	0.02587		mg/L		65	18 - 213	12	30
3-Nitroaniline	0.0400	0.02320	*-	mg/L		58	65 - 135	6	30
4,6-Dinitro-2-methylphenol	0.0400	0.02955		mg/L		74	53 - 130	5	30
4-Bromophenyl phenyl ether	0.0400	0.02270	*-	mg/L		57	65 - 120	7	26
4-Chloro-3-methylphenol	0.0400	0.02397		mg/L		60	41 - 128	3	30
4-Chlorophenyl phenyl ether	0.0400	0.02259		mg/L		56	38 - 145	4	30
4-Nitroaniline	0.0400	0.02592		mg/L		65	65 - 135	9	30
4-Nitrophenol	0.0400	0.01234		mg/L		31	13 - 129	13	30
Acenaphthene	0.0400	0.02301	*-	mg/L		58	60 - 132	4	29
Acenaphthylene	0.0400	0.02390		mg/L		60	54 - 126	4	30
Aniline (Phenylamine, Aminobenzene)	0.0400	0.01434		mg/L		36	5 - 115	8	30
Anthracene	0.0400	0.02632		mg/L		66	43 - 120	8	30
Benzo[a]anthracene	0.0400	0.02667		mg/L		67	42 - 133	9	30
Benzo[a]pyrene	0.0400	0.02638		mg/L		66	32 - 148	8	30
Benzo[b]fluoranthene	0.0400	0.02833		mg/L		71	42 - 140	6	30
Benzo[g,h,i]perylene	0.0400	0.02792		mg/L		70	13 - 195	8	30
Benzo[k]fluoranthene	0.0400	0.02555		mg/L		64	25 - 146	8	30
Benzoic acid	0.120	0.06942		mg/L		58	30 - 115	4	30
Butyl benzyl phthalate	0.0400	0.02561		mg/L		64	12 - 140	11	30
Bis(2-chloroethoxy)methane	0.0400	0.02397		mg/L		60	49 - 165	5	30
Bis(2-chloroethyl)ether	0.0400	0.02249		mg/L		56	43 - 126	3	30
bis (2-chloroisopropyl) ether	0.0400	0.02397	*-	mg/L		60	63 - 139	3	30
Bis(2-ethylhexyl) phthalate	0.0400	0.02571		mg/L		64	29 - 137	10	30
Chrysene	0.0400	0.02684		mg/L		67	44 - 140	8	30
Dibenz(a,h)anthracene	0.0400	0.02779		mg/L		69	16 - 200	7	30
Dibenzofuran	0.0400	0.02272		mg/L		57	52 - 125	6	30
Diethyl phthalate	0.0400	0.02487		mg/L		62	17 - 120	8	30
Dimethyl phthalate	0.0400	0.02406		mg/L		60	25 - 120	6	30
Di-n-butyl phthalate	0.0400	0.02535		mg/L		63	8 - 120	11	28
Di-n-octyl phthalate	0.0400	0.03026		mg/L		76	19 - 132	9	30
Fluoranthene	0.0400	0.02776		mg/L		69	43 - 121	10	30
Fluorene	0.0400	0.02355	*-	mg/L		59	70 - 120	6	23
Hexachlorobenzene	0.0400	0.02319		mg/L		58	8 - 142	7	30
Hexachlorobutadiene	0.0400	0.01617		mg/L		40	38 - 120	4	30
Hexachlorocyclopentadiene	0.0400	0.01740		mg/L		43	41 - 125	2	30
Hexachloroethane	0.0400	0.01650	*-	mg/L		41	55 - 120	1	30

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: LCSD 860-123254/3-A

Matrix: Water

Analysis Batch: 123302

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 123254

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	0.0400	0.02789		mg/L		70	13 - 151	8	30
Isophorone	0.0400	0.02514		mg/L		63	47 - 180	4	30
Naphthalene	0.0400	0.02043		mg/L		51	36 - 120	5	30
Nitrobenzene	0.0400	0.02367		mg/L		59	54 - 158	3	30
N-Nitrosodi-n-propylamine	0.0400	0.02562		mg/L		64	14 - 198	3	30
N-Nitrosodiphenylamine	0.0400	0.02586		mg/L		65	2 - 196	6	30
Pentachlorophenol	0.0400	0.02779		mg/L		69	38 - 152	7	30
Phenanthrene	0.0400	0.02498	*	mg/L		62	65 - 120	8	30
Phenol	0.0400	0.01160		mg/L		29	17 - 120	8	30
Pyrene	0.0400	0.02807		mg/L		70	70 - 120	10	30
Pyridine	0.0400	0.006451	J	mg/L		16	5 - 94	23	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	61		31 - 132
2-Fluorobiphenyl (Surr)	55		29 - 112
2-Fluorophenol (Surr)	36		28 - 114
Nitrobenzene-d5 (Surr)	59		15 - 314
p-Terphenyl-d14 (Surr)	67		20 - 141
Phenol-d5 (Surr)	28		8 - 424

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 860-122364/1-A

Matrix: Water

Analysis Batch: 122475

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122364

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/19/23 15:03	09/20/23 10:28	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/19/23 15:03	09/20/23 10:28	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/19/23 15:03	09/20/23 10:28	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/19/23 15:03	09/20/23 10:28	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/19/23 15:03	09/20/23 10:28	1
PCB-1254	<0.00000780	U	0.000100	0.0000078	mg/L		09/19/23 15:03	09/20/23 10:28	1
PCB-1260	<0.00000780	U	0.000100	0.0000078	mg/L		09/19/23 15:03	09/20/23 10:28	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/19/23 15:03	09/20/23 10:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	91		18 - 126				09/19/23 15:03	09/20/23 10:28	1
DCB Decachlorobiphenyl (Surr)	95		15 - 136				09/19/23 15:03	09/20/23 10:28	1

Lab Sample ID: LCS 860-122364/4-A

Matrix: Water

Analysis Batch: 122475

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.00100	0.001026		mg/L		103	61 - 103
PCB-1260	0.00100	0.001075		mg/L		108	37 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	109		18 - 126
DCB Decachlorobiphenyl (Surr)	148	S1+	15 - 136

Lab Sample ID: LCSD 860-122364/5-A
Matrix: Water
Analysis Batch: 122475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122364

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	0.00100	0.0008340		mg/L		83	61 - 103	21	24
PCB-1260	0.00100	0.0009931		mg/L		99	37 - 130	8	28

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	81		18 - 126
DCB Decachlorobiphenyl (Surr)	130		15 - 136

Method: 615 - Herbicides (GC)

Lab Sample ID: MB 860-122545/1-A
Matrix: Water
Analysis Batch: 122696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 122545

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000444	U	0.000200	0.0000444	mg/L		09/20/23 11:03	09/21/23 12:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	138		45 - 150	09/20/23 11:03	09/21/23 12:06	1

Lab Sample ID: LCS 860-122545/2-A
Matrix: Water
Analysis Batch: 122696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 122545

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pentachlorophenol	0.00200	0.001709		mg/L		85	50 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	116	p	45 - 150

Lab Sample ID: LCSD 860-122545/3-A
Matrix: Water
Analysis Batch: 122696

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 122545

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pentachlorophenol	0.00202	0.001805		mg/L		89	50 - 135	5	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	124	p	45 - 150

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-122619/3

Matrix: Water

Analysis Batch: 122619

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.0711	U	0.500	0.0711	mg/L			09/20/23 17:10	1
Chloride	<0.250	U	0.500	0.250	mg/L			09/20/23 17:10	1
Fluoride	<0.100	U	0.500	0.100	mg/L			09/20/23 17:10	1
Sulfate	<0.200	U	0.500	0.200	mg/L			09/20/23 17:10	1

Lab Sample ID: LCS 860-122619/4

Matrix: Water

Analysis Batch: 122619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	9.768		mg/L		98	90 - 110
Chloride	10.0	9.884		mg/L		99	90 - 110
Fluoride	10.0	10.37		mg/L		104	90 - 110
Sulfate	10.0	9.958		mg/L		100	90 - 110

Lab Sample ID: LCSD 860-122619/5

Matrix: Water

Analysis Batch: 122619

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	9.802		mg/L		98	90 - 110	0	20
Chloride	10.0	9.921		mg/L		99	90 - 110	0	20
Fluoride	10.0	10.42		mg/L		104	90 - 110	0	20
Sulfate	10.0	9.980		mg/L		100	90 - 110	0	20

Lab Sample ID: LLCS 860-122619/7

Matrix: Water

Analysis Batch: 122619

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.5239		mg/L		105	50 - 150
Chloride	0.500	0.4961	J	mg/L		99	50 - 150
Fluoride	0.500	0.4821	J	mg/L		96	50 - 150
Sulfate	0.500	0.4732	J	mg/L		95	50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-122875/1-A

Matrix: Water

Analysis Batch: 123291

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 122875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0173	U	0.0500	0.0173	mg/L		09/22/23 01:31	09/25/23 12:13	1
Iron	<0.0185	U	0.200	0.0185	mg/L		09/22/23 01:31	09/25/23 12:13	1
Magnesium	<0.0428	U	0.200	0.0428	mg/L		09/22/23 01:31	09/25/23 12:13	1
Molybdenum	<0.00261	U	0.0100	0.00261	mg/L		09/22/23 01:31	09/25/23 12:13	1
Tin	0.01820	J	0.0200	0.00668	mg/L		09/22/23 01:31	09/25/23 12:13	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: LCS 860-122875/2-A

Matrix: Water

Analysis Batch: 123291

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 122875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.020		mg/L		102	85 - 115
Iron	5.00	5.030		mg/L		101	85 - 115
Magnesium	25.0	24.30		mg/L		97	85 - 115
Molybdenum	1.00	1.040		mg/L		104	85 - 115
Tin	1.00	1.080		mg/L		108	85 - 115

Lab Sample ID: LCSD 860-122875/3-A

Matrix: Water

Analysis Batch: 123291

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 122875

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.00	1.020		mg/L		102	85 - 115	0	20
Iron	5.00	5.040		mg/L		101	85 - 115	0	20
Magnesium	25.0	24.30		mg/L		97	85 - 115	0	20
Molybdenum	1.00	1.050		mg/L		105	85 - 115	1	20
Tin	1.00	1.070		mg/L		107	85 - 115	1	20

Lab Sample ID: LLCS 860-122875/4-A

Matrix: Water

Analysis Batch: 123291

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 122875

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0500	0.04890	J	mg/L		98	50 - 150
Iron	0.200	0.1990	J	mg/L		100	50 - 150
Magnesium	0.200	0.1850	J	mg/L		93	50 - 150
Molybdenum	0.0100	0.009680	J	mg/L		97	50 - 150
Tin	0.0200	0.01780	J	mg/L		89	50 - 150

Lab Sample ID: 870-20838-1 MS

Matrix: Water

Analysis Batch: 123291

Client Sample ID: 5000 Tank

Prep Type: Total Recoverable

Prep Batch: 122875

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0463	J	1.00	1.110		mg/L		106	70 - 130
Iron	1.51		5.00	6.660		mg/L		103	70 - 130
Magnesium	17.6		25.0	41.40		mg/L		95	70 - 130
Molybdenum	0.00871	J	1.00	1.040		mg/L		103	70 - 130
Tin	<0.00668	U	1.00	1.070		mg/L		107	70 - 130

Lab Sample ID: 870-20838-1 MSD

Matrix: Water

Analysis Batch: 123291

Client Sample ID: 5000 Tank

Prep Type: Total Recoverable

Prep Batch: 122875

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	0.0463	J	1.00	1.090		mg/L		104	70 - 130	2	20
Iron	1.51		5.00	6.610		mg/L		102	70 - 130	1	20
Magnesium	17.6		25.0	41.30		mg/L		95	70 - 130	0	20
Molybdenum	0.00871	J	1.00	1.030		mg/L		102	70 - 130	1	20
Tin	<0.00668	U	1.00	1.050		mg/L		105	70 - 130	2	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-122871/1-A

Matrix: Water

Analysis Batch: 123057

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 122871

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00301	U	0.0200	0.00301	mg/L		09/22/23 00:15	09/22/23 11:31	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		09/22/23 00:15	09/22/23 11:31	1
Arsenic	<0.000341	U	0.00400	0.000341	mg/L		09/22/23 00:15	09/22/23 11:31	1
Barium	<0.000289	U	0.00400	0.000289	mg/L		09/22/23 00:15	09/22/23 11:31	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		09/22/23 00:15	09/22/23 11:31	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		09/22/23 00:15	09/22/23 11:31	1
Chromium	<0.000325	U	0.00400	0.000325	mg/L		09/22/23 00:15	09/22/23 11:31	1
Cobalt	<0.000131	U	0.00200	0.000131	mg/L		09/22/23 00:15	09/22/23 11:31	1
Copper	<0.000690	U	0.00400	0.000690	mg/L		09/22/23 00:15	09/22/23 11:31	1
Lead	<0.000140	U	0.00200	0.000140	mg/L		09/22/23 00:15	09/22/23 11:31	1
Manganese	<0.000160	U	0.00200	0.000160	mg/L		09/22/23 00:15	09/22/23 11:31	1
Nickel	<0.000486	U	0.00200	0.000486	mg/L		09/22/23 00:15	09/22/23 11:31	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		09/22/23 00:15	09/22/23 11:31	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		09/22/23 00:15	09/22/23 11:31	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		09/22/23 00:15	09/22/23 11:31	1
Titanium	<0.000419	U	0.00400	0.000419	mg/L		09/22/23 00:15	09/22/23 11:31	1
Zinc	<0.000885	U	0.00400	0.000885	mg/L		09/22/23 00:15	09/22/23 11:31	1

Lab Sample ID: LCS 860-122871/2-A

Matrix: Water

Analysis Batch: 123057

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 122871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4774		mg/L		95	85 - 115
Antimony	0.100	0.09426		mg/L		94	85 - 115
Arsenic	0.100	0.09536		mg/L		95	85 - 115
Barium	0.100	0.09443		mg/L		94	85 - 115
Beryllium	0.100	0.09218		mg/L		92	85 - 115
Cadmium	0.100	0.09505		mg/L		95	85 - 115
Chromium	0.100	0.09631		mg/L		96	85 - 115
Cobalt	0.100	0.09391		mg/L		94	85 - 115
Copper	0.100	0.09483		mg/L		95	85 - 115
Lead	0.100	0.09435		mg/L		94	85 - 115
Manganese	0.100	0.09542		mg/L		95	85 - 115
Nickel	0.100	0.09395		mg/L		94	85 - 115
Selenium	0.100	0.09319		mg/L		93	85 - 115
Silver	0.0500	0.04398		mg/L		88	85 - 115
Thallium	0.100	0.09450		mg/L		95	85 - 115
Titanium	0.100	0.09423		mg/L		94	85 - 115
Zinc	0.100	0.09446		mg/L		94	85 - 115

Lab Sample ID: LCSD 860-122871/3-A

Matrix: Water

Analysis Batch: 123057

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 122871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4765		mg/L		95	85 - 115	0	20
Antimony	0.100	0.09819		mg/L		98	85 - 115	4	20
Arsenic	0.100	0.09598		mg/L		96	85 - 115	1	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: LCSD 860-122871/3-A
Matrix: Water
Analysis Batch: 123057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 122871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	0.100	0.09449		mg/L		94	85 - 115	0	20
Beryllium	0.100	0.09246		mg/L		92	85 - 115	0	20
Cadmium	0.100	0.09530		mg/L		95	85 - 115	0	20
Chromium	0.100	0.09708		mg/L		97	85 - 115	1	20
Cobalt	0.100	0.09438		mg/L		94	85 - 115	1	20
Copper	0.100	0.09567		mg/L		96	85 - 115	1	20
Lead	0.100	0.09493		mg/L		95	85 - 115	1	20
Manganese	0.100	0.09660		mg/L		97	85 - 115	1	20
Nickel	0.100	0.09418		mg/L		94	85 - 115	0	20
Selenium	0.100	0.09274		mg/L		93	85 - 115	0	20
Silver	0.0500	0.04416		mg/L		88	85 - 115	0	20
Thallium	0.100	0.09534		mg/L		95	85 - 115	1	20
Titanium	0.100	0.09752		mg/L		98	85 - 115	3	20
Zinc	0.100	0.09472		mg/L		95	85 - 115	0	20

Lab Sample ID: LLCS 860-122871/4-A
Matrix: Water
Analysis Batch: 123057

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 122871

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.0200	0.02100		mg/L		105	50 - 150
Antimony	0.00200	0.001884	J	mg/L		94	50 - 150
Arsenic	0.00400	0.004214		mg/L		105	50 - 150
Barium	0.00400	0.004148		mg/L		104	50 - 150
Beryllium	0.00200	0.002012		mg/L		101	50 - 150
Cadmium	0.00200	0.002110		mg/L		106	50 - 150
Chromium	0.00400	0.003897	J	mg/L		97	50 - 150
Cobalt	0.00200	0.002083		mg/L		104	50 - 150
Copper	0.00400	0.004289		mg/L		107	50 - 150
Lead	0.00200	0.002053		mg/L		103	50 - 150
Manganese	0.00200	0.002114		mg/L		106	50 - 150
Nickel	0.00200	0.002110		mg/L		106	50 - 150
Selenium	0.00200	0.001662	J	mg/L		83	50 - 150
Silver	0.00200	0.002443		mg/L		122	50 - 150
Thallium	0.00200	0.002057		mg/L		103	50 - 150
Titanium	0.00400	0.004625		mg/L		116	50 - 150
Zinc	0.00400	0.004103		mg/L		103	50 - 150

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 860-122973/16
Matrix: Water
Analysis Batch: 122973

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.0510	U	0.100	0.0510	mg/L			09/21/23 18:29	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 860-122973/17

Matrix: Water

Analysis Batch: 122973

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.9381		mg/L		94	90 - 110

Lab Sample ID: LCSD 860-122973/18

Matrix: Water

Analysis Batch: 122973

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	1.00	1.067		mg/L		107	90 - 110	13	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 860-122983/4-A

Matrix: Water

Analysis Batch: 123298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 122983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.0890	U	0.200	0.0890	mg/L		09/22/23 11:56	09/25/23 12:36	1

Lab Sample ID: LCS 860-122983/6-A

Matrix: Water

Analysis Batch: 123298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	2.00	2.082		mg/L		104	90 - 110

Lab Sample ID: LCSD 860-122983/7-A

Matrix: Water

Analysis Batch: 123298

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 122983

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	2.00	2.075		mg/L		104	90 - 110	0	20

Lab Sample ID: LLCS 860-122983/5-A

Matrix: Water

Analysis Batch: 123298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 122983

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.200	0.1844	J	mg/L		92	50 - 150

Lab Sample ID: 870-20838-1 MS

Matrix: Water

Analysis Batch: 123298

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Prep Batch: 122983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Kjeldahl	0.854		2.00	2.767		mg/L		96	90 - 110

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 870-20838-1 MSD

Matrix: Water

Analysis Batch: 123298

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Prep Batch: 122983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	0.854		2.00	2.783		mg/L		96	90 - 110	1	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 860-123657/10

Matrix: Water

Analysis Batch: 123657

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.0500	U	0.100	0.0500	mg/L			09/26/23 19:27	1

Lab Sample ID: LCS 860-123657/11

Matrix: Water

Analysis Batch: 123657

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.9679		mg/L		97	90 - 110

Lab Sample ID: LCSD 860-123657/12

Matrix: Water

Analysis Batch: 123657

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	0.9194		mg/L		92	90 - 110	5	20

Lab Sample ID: MB 860-123716/10

Matrix: Water

Analysis Batch: 123716

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.0500	U	0.100	0.0500	mg/L			09/27/23 11:06	1

Lab Sample ID: LCS 860-123716/11

Matrix: Water

Analysis Batch: 123716

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.00	0.9049		mg/L		90	90 - 110

Lab Sample ID: LCSD 860-123716/12

Matrix: Water

Analysis Batch: 123716

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	0.9026		mg/L		90	90 - 110	0	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 860-123001/4-A
Matrix: Water
Analysis Batch: 123324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 123001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.00959	U	0.0200	0.00959	mg/L		09/22/23 12:50	09/22/23 19:29	1

Lab Sample ID: LCS 860-123001/5-A
Matrix: Water
Analysis Batch: 123324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 123001

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.2361		mg/L		94	90 - 110

Lab Sample ID: LCSD 860-123001/6-A
Matrix: Water
Analysis Batch: 123324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123001

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	0.250	0.2356		mg/L		94	90 - 110	0	20

Lab Sample ID: 870-20838-1 MS
Matrix: Water
Analysis Batch: 123324

Client Sample ID: 5000 Tank
Prep Type: Total/NA
Prep Batch: 123001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	8.95	F1	2.50	9.108	F1	mg/L		7	90 - 110

Lab Sample ID: 870-20838-1 MSD
Matrix: Water
Analysis Batch: 123324

Client Sample ID: 5000 Tank
Prep Type: Total/NA
Prep Batch: 123001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	8.95	F1	2.50	9.163	F1	mg/L		9	90 - 110	1	20

Method: 8000 - COD

Lab Sample ID: MB 860-123313/3
Matrix: Water
Analysis Batch: 123313

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<3.36	U	20.0	3.36	mg/L			09/25/23 14:14	1

Lab Sample ID: LCS 860-123313/4
Matrix: Water
Analysis Batch: 123313

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	102.0		mg/L		102	90 - 110

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 860-123009/3

Matrix: Water

Analysis Batch: 123009

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color, Apparent	<5.00	U	5.00	5.00	Color Units			09/21/23 12:40	1
Color, True	<5.00	U	5.00	5.00	Color Units			09/21/23 12:40	1
pH	NA		0.100	0.100	S.U.			09/21/23 12:40	1

Lab Sample ID: 870-20838-1 DU

Matrix: Water

Analysis Batch: 123009

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Color, Apparent	20.0		20.00		Color Units		0	20
Color, True	15.0		15.00		Color Units		0	25
pH	7.90		7.900		S.U.		0	25

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-122818/3

Matrix: Water

Analysis Batch: 122818

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/21/23 11:07	1

Lab Sample ID: LCS 860-122818/4

Matrix: Water

Analysis Batch: 122818

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	251.1		mg/L		100	85 - 115

Lab Sample ID: LCSD 860-122818/5

Matrix: Water

Analysis Batch: 122818

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Alkalinity	250	252.8		mg/L		101	85 - 115	1	20

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

Lab Sample ID: MB 870-15300/1

Matrix: Water

Analysis Batch: 15300

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			09/20/23 14:46	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

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

Lab Sample ID: LCS 870-15300/2

Matrix: Water

Analysis Batch: 15300

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1071		mg/L		107	80 - 120

Lab Sample ID: LCSD 870-15300/3

Matrix: Water

Analysis Batch: 15300

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1136		mg/L		114	80 - 120	6	10

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

Lab Sample ID: MB 870-15339/1

Matrix: Water

Analysis Batch: 15339

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<2.50	U	2.50	2.50	mg/L			09/21/23 15:02	1

Lab Sample ID: LCS 870-15339/2

Matrix: Water

Analysis Batch: 15339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	117.0		mg/L		117	80 - 120

Lab Sample ID: LCSD 870-15339/3

Matrix: Water

Analysis Batch: 15339

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	100	114.0		mg/L		114	80 - 120	3	10

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 870-15277/1-A

Matrix: Water

Analysis Batch: 15278

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00280	U	0.0100	0.00280	mg/L			09/19/23 16:32	1

Lab Sample ID: LCS 870-15277/2-A

Matrix: Water

Analysis Batch: 15278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.499	0.5195		mg/L		104	80 - 120

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: SM 3500 CR B - Chromium, Hexavalent (Continued)

Lab Sample ID: LCSD 870-15277/3-A
Matrix: Water
Analysis Batch: 15278

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.499	0.5157		mg/L		103	80 - 120	1	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-123038/1
Matrix: Water
Analysis Batch: 123038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.00	U	5.00	2.00	mg/L			09/22/23 16:25	1

Lab Sample ID: LCS 860-123038/2
Matrix: Water
Analysis Batch: 123038

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide	50.0	44.00		mg/L		88	80 - 120		

Lab Sample ID: LCSD 860-123038/3
Matrix: Water
Analysis Batch: 123038

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	50.0	44.00		mg/L		88	80 - 120	0	20

Method: SM 4500 SO3 B - Sulfite

Lab Sample ID: MB 860-123542/1
Matrix: Water
Analysis Batch: 123542

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfite	<5.00	U	5.00	5.00	mg/L			09/26/23 17:23	1

Lab Sample ID: LCS 860-123542/2
Matrix: Water
Analysis Batch: 123542

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfite	10.0	9.000		mg/L		90	80 - 120		

Lab Sample ID: LCSD 860-123542/3
Matrix: Water
Analysis Batch: 123542

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfite	10.0	9.000		mg/L		90	80 - 120	0	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 870-15398/2

Matrix: Water

Analysis Batch: 15398

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.8160		0.0000020 0	0.0000020 0	mg/L			09/20/23 14:40	1

Lab Sample ID: USB 870-15398/1

Matrix: Water

Analysis Batch: 15398

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<0.00000200	U	0.0000020 0	0.0000020 0	mg/L			09/20/23 14:36	1

Lab Sample ID: LCS 870-15398/3

Matrix: Water

Analysis Batch: 15398

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	190.3		mg/L		96	85 - 115

Lab Sample ID: 870-20838-1 DU

Matrix: Water

Analysis Batch: 15398

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	5.06		4.650		mg/L		8	25

Method: SM 5310C - TOC

Lab Sample ID: MB 860-123482/3

Matrix: Water

Analysis Batch: 123482

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.500	U	1.00	0.500	mg/L			09/25/23 20:01	1

Lab Sample ID: LCS 860-123482/4

Matrix: Water

Analysis Batch: 123482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	5.00	4.737		mg/L		95	90 - 110

Lab Sample ID: LCSD 860-123482/7

Matrix: Water

Analysis Batch: 123482

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	5.00	4.721		mg/L		94	90 - 110	0	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LLCS 860-123482/6

Matrix: Water

Analysis Batch: 123482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.00	0.9043	J	mg/L		90	50 - 150

Lab Sample ID: MB 860-123548/8-A

Matrix: Water

Analysis Batch: 123546

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.548	U	1.00	0.548	mg/L			09/26/23 14:03	1

Lab Sample ID: LCS 860-123548/9-A

Matrix: Water

Analysis Batch: 123546

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	5.00	4.564		mg/L		91	90 - 110

Lab Sample ID: LCSD 860-123548/10-A

Matrix: Water

Analysis Batch: 123546

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	5.00	4.997		mg/L		100	90 - 110	9	20

Lab Sample ID: LLCS 860-123548/11-A

Matrix: Water

Analysis Batch: 123546

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.00	1.119		mg/L		112	50 - 150

Method: SM5210B CBOD - Carbonaceous BOD, 5 Day

Lab Sample ID: SCB 870-15397/2

Matrix: Water

Analysis Batch: 15397

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	0.6540		0.0000020 0	0.0000020 0	mg/L			09/20/23 15:08	1

Lab Sample ID: USB 870-15397/1

Matrix: Water

Analysis Batch: 15397

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	<0.00000200	U	0.0000020 0	0.0000020 0	mg/L			09/20/23 15:04	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Method: SM5210B CBOD - Carbonaceous BOD, 5 Day (Continued)

Lab Sample ID: LCS 870-15397/3

Matrix: Water

Analysis Batch: 15397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbonaceous Biochemical Oxygen Demand	170	165.1		mg/L		97	85 - 125

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

GC/MS VOA

Analysis Batch: 15280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	624.1	
MB 870-15280/18	Method Blank	Total/NA	Water	624.1	
870-20271-A-8 LCS	Lab Control Sample	Total/NA	Water	624.1	
LCSD 870-15280/13	Lab Control Sample Dup	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 123254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	625	
MB 860-123254/1-A	Method Blank	Total/NA	Water	625	
LCS 860-123254/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-123254/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 123302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-123254/1-A	Method Blank	Total/NA	Water	625.1	123254
LCS 860-123254/2-A	Lab Control Sample	Total/NA	Water	625.1	123254
LCSD 860-123254/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	123254

Analysis Batch: 123383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	625.1	123254

GC Semi VOA

Prep Batch: 122364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	608	
MB 860-122364/1-A	Method Blank	Total/NA	Water	608	
LCS 860-122364/4-A	Lab Control Sample	Total/NA	Water	608	
LCSD 860-122364/5-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 122475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	608.3	122364
MB 860-122364/1-A	Method Blank	Total/NA	Water	608.3	122364
LCS 860-122364/4-A	Lab Control Sample	Total/NA	Water	608.3	122364
LCSD 860-122364/5-A	Lab Control Sample Dup	Total/NA	Water	608.3	122364

Prep Batch: 122545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	3511	
MB 860-122545/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-122545/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-122545/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 122696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	615	122545
MB 860-122545/1-A	Method Blank	Total/NA	Water	615	122545
LCS 860-122545/2-A	Lab Control Sample	Total/NA	Water	615	122545

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

GC Semi VOA (Continued)

Analysis Batch: 122696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-122545/3-A	Lab Control Sample Dup	Total/NA	Water	615	122545

HPLC/IC

Analysis Batch: 122619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	300.0	
870-20838-1 - DL	5000 Tank	Total/NA	Water	300.0	
MB 860-122619/3	Method Blank	Total/NA	Water	300.0	
LCS 860-122619/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-122619/5	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-122619/7	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 122871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total Recoverable	Water	200.8	
MB 860-122871/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 860-122871/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 860-122871/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
LLCS 860-122871/4-A	Lab Control Sample	Total Recoverable	Water	200.8	

Prep Batch: 122875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total Recoverable	Water	200.7	
MB 860-122875/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-122875/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-122875/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-122875/4-A	Lab Control Sample	Total Recoverable	Water	200.7	
870-20838-1 MS	5000 Tank	Total Recoverable	Water	200.7	
870-20838-1 MSD	5000 Tank	Total Recoverable	Water	200.7	

Analysis Batch: 123057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total Recoverable	Water	200.8	122871
MB 860-122871/1-A	Method Blank	Total Recoverable	Water	200.8	122871
LCS 860-122871/2-A	Lab Control Sample	Total Recoverable	Water	200.8	122871
LCSD 860-122871/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	122871
LLCS 860-122871/4-A	Lab Control Sample	Total Recoverable	Water	200.8	122871

Analysis Batch: 123291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	122875
MB 860-122875/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	122875
LCS 860-122875/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	122875
LCSD 860-122875/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	122875
LLCS 860-122875/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	122875
870-20838-1 MS	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	122875
870-20838-1 MSD	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	122875

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

General Chemistry

Filtration Batch: 15277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 870-15277/1-A	Method Blank	Total/NA	Water	Filtration	
LCS 870-15277/2-A	Lab Control Sample	Total/NA	Water	Filtration	
LCSD 870-15277/3-A	Lab Control Sample Dup	Total/NA	Water	Filtration	

Analysis Batch: 15278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 3500 CR B	
MB 870-15277/1-A	Method Blank	Total/NA	Water	SM 3500 CR B	15277
LCS 870-15277/2-A	Lab Control Sample	Total/NA	Water	SM 3500 CR B	15277
LCSD 870-15277/3-A	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	15277

Analysis Batch: 15300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 2540C	
MB 870-15300/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-15300/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-15300/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 15339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 2540D	
MB 870-15339/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 870-15339/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 870-15339/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 15397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM5210B CBOD	
SCB 870-15397/2	Method Blank	Total/NA	Water	SM5210B CBOD	
USB 870-15397/1	Method Blank	Total/NA	Water	SM5210B CBOD	
LCS 870-15397/3	Lab Control Sample	Total/NA	Water	SM5210B CBOD	

Analysis Batch: 15398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 5210B	
SCB 870-15398/2	Method Blank	Total/NA	Water	SM 5210B	
USB 870-15398/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 870-15398/3	Lab Control Sample	Total/NA	Water	SM 5210B	
870-20838-1 DU	5000 Tank	Total/NA	Water	SM 5210B	

Analysis Batch: 121993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	Total Nitrogen	

Analysis Batch: 122818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 2320B	
MB 860-122818/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-122818/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-122818/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

General Chemistry

Analysis Batch: 122973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	350.1	
MB 860-122973/16	Method Blank	Total/NA	Water	350.1	
LCS 860-122973/17	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-122973/18	Lab Control Sample Dup	Total/NA	Water	350.1	

Prep Batch: 122983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	351.2	
MB 860-122983/4-A	Method Blank	Total/NA	Water	351.2	
LCS 860-122983/6-A	Lab Control Sample	Total/NA	Water	351.2	
LCSD 860-122983/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	
LLCS 860-122983/5-A	Lab Control Sample	Total/NA	Water	351.2	
870-20838-1 MS	5000 Tank	Total/NA	Water	351.2	
870-20838-1 MSD	5000 Tank	Total/NA	Water	351.2	

Prep Batch: 123001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	365.2/365.3/365	
MB 860-123001/4-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 860-123001/5-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
LCSD 860-123001/6-A	Lab Control Sample Dup	Total/NA	Water	365.2/365.3/365	
870-20838-1 MS	5000 Tank	Total/NA	Water	365.2/365.3/365	
870-20838-1 MSD	5000 Tank	Total/NA	Water	365.2/365.3/365	

Analysis Batch: 123009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 2120B	
MB 860-123009/3	Method Blank	Total/NA	Water	SM 2120B	
LCS 860-123009/4	Lab Control Sample	Total/NA	Water	SM 2120B	
LCSD 860-123009/5	Lab Control Sample Dup	Total/NA	Water	SM 2120B	
870-20838-1 DU	5000 Tank	Total/NA	Water	SM 2120B	

Analysis Batch: 123038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 4500 S2 F	
MB 860-123038/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 860-123038/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 860-123038/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 123298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	351.2	122983
MB 860-122983/4-A	Method Blank	Total/NA	Water	351.2	122983
LCS 860-122983/6-A	Lab Control Sample	Total/NA	Water	351.2	122983
LCSD 860-122983/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	122983
LLCS 860-122983/5-A	Lab Control Sample	Total/NA	Water	351.2	122983
870-20838-1 MS	5000 Tank	Total/NA	Water	351.2	122983
870-20838-1 MSD	5000 Tank	Total/NA	Water	351.2	122983

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

General Chemistry

Analysis Batch: 123313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	8000	
MB 860-123313/3	Method Blank	Total/NA	Water	8000	
LCS 860-123313/4	Lab Control Sample	Total/NA	Water	8000	

Analysis Batch: 123324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	365.1	123001
MB 860-123001/4-A	Method Blank	Total/NA	Water	365.1	123001
LCS 860-123001/5-A	Lab Control Sample	Total/NA	Water	365.1	123001
LCSD 860-123001/6-A	Lab Control Sample Dup	Total/NA	Water	365.1	123001
870-20838-1 MS	5000 Tank	Total/NA	Water	365.1	123001
870-20838-1 MSD	5000 Tank	Total/NA	Water	365.1	123001

Analysis Batch: 123482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 5310C	
MB 860-123482/3	Method Blank	Total/NA	Water	SM 5310C	
LCS 860-123482/4	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 860-123482/7	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
LLCS 860-123482/6	Lab Control Sample	Total/NA	Water	SM 5310C	

Analysis Batch: 123542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	SM 4500 SO3 B	
MB 860-123542/1	Method Blank	Total/NA	Water	SM 4500 SO3 B	
LCS 860-123542/2	Lab Control Sample	Total/NA	Water	SM 4500 SO3 B	
LCSD 860-123542/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO3 B	

Analysis Batch: 123546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Dissolved	Water	SM 5310C	123548
MB 860-123548/8-A	Method Blank	Dissolved	Water	SM 5310C	123548
LCS 860-123548/9-A	Lab Control Sample	Dissolved	Water	SM 5310C	123548
LCSD 860-123548/10-A	Lab Control Sample Dup	Dissolved	Water	SM 5310C	123548
LLCS 860-123548/11-A	Lab Control Sample	Dissolved	Water	SM 5310C	123548

Filtration Batch: 123548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Dissolved	Water	Filtration	
MB 860-123548/8-A	Method Blank	Dissolved	Water	Filtration	
LCS 860-123548/9-A	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-123548/10-A	Lab Control Sample Dup	Dissolved	Water	Filtration	
LLCS 860-123548/11-A	Lab Control Sample	Dissolved	Water	Filtration	

Analysis Batch: 123657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-123657/10	Method Blank	Total/NA	Water	353.2	
LCS 860-123657/11	Lab Control Sample	Total/NA	Water	353.2	
LCSD 860-123657/12	Lab Control Sample Dup	Total/NA	Water	353.2	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

General Chemistry

Analysis Batch: 123716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-20838-1	5000 Tank	Total/NA	Water	353.2	
MB 860-123716/10	Method Blank	Total/NA	Water	353.2	
LCS 860-123716/11	Lab Control Sample	Total/NA	Water	353.2	
LCSD 860-123716/12	Lab Control Sample Dup	Total/NA	Water	353.2	

Lab Chronicle

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-20838-1

Date Collected: 09/19/23 13:00

Matrix: Water

Date Received: 09/19/23 14:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		2	5 mL	5 mL	15280	09/20/23 07:46	WP	EET DAL
Total/NA	Prep	625			1000 mL	1.0 mL	123254	09/25/23 12:07	MPC	EET HOU
Total/NA	Analysis	625.1		1	1 mL	1 mL	123383	09/26/23 14:02	PXS	EET HOU
Total/NA	Prep	608			1000 mL	1.00 mL	122364	09/20/23 09:30	DR	EET HOU
Total/NA	Analysis	608.3		1			122475	09/20/23 17:06	A1S	EET HOU
Total/NA	Prep	3511			49.9 mL	4 mL	122545	09/20/23 11:03	JN	EET HOU
Total/NA	Analysis	615		1			122696	09/21/23 16:35	BNW	EET HOU
Total/NA	Analysis	300.0		1			122619	09/20/23 21:59	A1S	EET HOU
Total/NA	Analysis	300.0	DL	10			122619	09/20/23 22:09	A1S	EET HOU
Total Recoverable	Prep	200.7			50 mL	50 mL	122875	09/22/23 01:31	AGR	EET HOU
Total Recoverable	Analysis	200.7 Rev 4.4		1			123291	09/25/23 12:21	JDM	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	122871	09/22/23 00:15	AGR	EET HOU
Total Recoverable	Analysis	200.8		1			123057	09/22/23 13:02	SHZ	EET HOU
Total/NA	Analysis	350.1		1	10 mL	10 mL	122973	09/21/23 19:56	ADL	EET HOU
Total/NA	Prep	351.2			20 mL	20 mL	122983	09/22/23 11:56	CL	EET HOU
Total/NA	Analysis	351.2		1			123298	09/25/23 12:37	LD	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	123716	09/27/23 11:20	LD	EET HOU
Total/NA	Prep	365.2/365.3/365			10 mL	10 mL	123001	09/22/23 12:50	CL	EET HOU
Total/NA	Analysis	365.1		25			123324	09/22/23 20:23	LD	EET HOU
Total/NA	Analysis	8000		1	2 mL	2 mL	123313	09/25/23 14:14	HN	EET HOU
Total/NA	Analysis	SM 2120B		1	50 mL	50 mL	123009	09/21/23 12:40	YG	EET HOU
Total/NA	Analysis	SM 2320B		1			122818	09/21/23 14:38	TL	EET HOU
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	15300	09/20/23 14:46	CGG	EET DAL
Total/NA	Analysis	SM 2540D		1	900 mL	1000 mL	15339	09/21/23 15:02	CGG	EET DAL
Total/NA	Analysis	SM 3500 CR B		1	10 mL	10 mL	15278	09/19/23 16:32	CGG	EET DAL
Total/NA	Analysis	SM 4500 S2 F		1	200 mL	200 mL	123038	09/22/23 16:25	SCI	EET HOU
Total/NA	Analysis	SM 4500 SO3 B		1	50 mL	50 mL	123542	09/26/23 17:24	SCI	EET HOU
Total/NA	Analysis	SM 5210B		1	200 mL	300 mL	15398	09/20/23 14:50	CGG	EET DAL
Dissolved	Filtration	Filtration			50 mL	50 mL	123548	09/26/23 12:00	YG	EET HOU
Dissolved	Analysis	SM 5310C		1	40 mL	40 mL	123546	09/26/23 16:36	YG	EET HOU
Total/NA	Analysis	SM 5310C		1	40 mL	40 mL	123482	09/25/23 21:48	YG	EET HOU
Total/NA	Analysis	SM5210B CBOD		1	200 mL	300 mL	15397	09/20/23 15:30	CGG	EET DAL
Total/NA	Analysis	Total Nitrogen		1			121993	09/26/23 21:29	MC	EET HOU

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300
EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200
Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

Eurofins Dallas

Accreditation/Certification Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Laboratory: Eurofins Dallas

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	Cyclohexane
624.1		Water	Vinyl acetate

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-53	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
608.3	608	Water	Polychlorinated biphenyls, Total
615	3511	Water	Pentachlorophenol
625.1	625	Water	2-Methylnaphthalene
625.1	625	Water	2-Nitroaniline
625.1	625	Water	3 & 4 Methylphenol
625.1	625	Water	3-Nitroaniline
625.1	625	Water	4-Nitroaniline
625.1	625	Water	Aniline (Phenylamine, Aminobenzene)
625.1	625	Water	Benzoic acid
625.1	625	Water	Dibenzofuran
SM 2120B		Water	pH
SM 4500 SO3 B		Water	Sulfite
SM 5310C		Water	Dissolved Organic Carbon
Total Nitrogen		Water	Nitrogen, Total

Method Summary

Client: Chem-Aqua, Inc.

Job ID: 870-20838-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET DAL
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET HOU
615	Herbicides (GC)	EPA-01	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
200.7 Rev 4.4	Metals (ICP)	EPA	EET HOU
200.8	Metals (ICP/MS)	EPA	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
365.1	Phosphorus, Total	EPA	EET HOU
8000	COD	Hach	EET HOU
SM 2120B	Color, Colorimetric	SM	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DAL
SM 3500 CR B	Chromium, Hexavalent	SM	EET DAL
SM 4500 S2 F	Sulfide, Total	SM	EET HOU
SM 4500 SO3 B	Sulfite	SM	EET HOU
SM 5210B	BOD, 5-Day	SM	EET DAL
SM 5310C	TOC	SM	EET HOU
SM5210B CBOD	Carbonaceous BOD, 5 Day	SM	EET DAL
Total Nitrogen	Nitrogen, Total	EPA	EET HOU
425.1	MBAS analyzed by ECM Laboratory	EPA	Envirodyne
200.7	Preparation, Total Recoverable Metals	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
365.2/365.3/365	Phosphorus, Total	EPA	EET HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU
Filtration	Sample Filtration	None	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

Hach = Hach Company

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

Eurofins Dallas

Sample Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-20838-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-20838-1	5000 Tank	Water	09/19/23 13:00	09/19/23 14:55

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

27 September 2023

Eurofins Houston
Anita Patel
11381 Meadowglen, Suite L
Houston, TX 77082

Eurofins

Enclosed are the results of analyses for samples received by the laboratory on 20-Sep-23 10:00. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 5

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie Peterson', is written over a horizontal line.

Julie Peterson
Client Services Representative



Certificate No: T104704265-22-20



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I2219

Reported:
27-Sep-23 17:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5000 Tank (870-20838-1)	23I2219-01	Water	19-Sep-23 13:00	20-Sep-23 10:00

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I2219

Reported:
27-Sep-23 17:07

5000 Tank (870-20838-1)
23I2219-01 (Water) Sampled: 19-Sep-23 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	---------	-------

Envirodyne Laboratories, Inc.

Wet Chemistry

Surfactants	<0.10	0.10	mg/L	1	B3I4462	20-Sep-23	20-Sep-23 16:00	SM5540 C	CFH	Q
-------------	-------	------	------	---	---------	-----------	-----------------	----------	-----	---

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I2219

Reported:
27-Sep-23 17:07

Wet Chemistry - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B3I4462 - Inorganics									
Blank (B3I4462-BLK1)									
					Prepared & Analyzed: 20-Sep-23				
Surfactants	<0.10	0.10	mg/L						Q
LCS (B3I4462-BS1)									
					Prepared & Analyzed: 20-Sep-23				
Surfactants	0.470		mg/L	1.00		47.0	90-110		Q
Duplicate (B3I4462-DUP1)									
					Source: 23I1732-01 Prepared & Analyzed: 20-Sep-23				
Surfactants	0.400	0.10	mg/L		0.360		10.5	20	Q
Reference (B3I4462-SRM1)									
					Prepared & Analyzed: 20-Sep-23				
Surfactants	0.0200		mg/L	0.100		20.0	0-200		Q

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 2312219

Reported:
27-Sep-23 17:07

Notes and Definitions

Q QC did not meet ELI acceptance criteria
ND Analyte NOT DETECTED at or above the reporting limit
< Result is less than the RL
a Analyte not available for TNI/NELAP accreditation
n Not accredited

Envirodyne Laboratories, Inc.

A handwritten signature in black ink, appearing to read 'Julie Peterson', is written over a horizontal line.

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

Julie Peterson, Client Services Representative

Chain of Custody Record

[illegible]

Chain of Custody Record

XDA 18h/19.1

No Ice Yes Cooler



Environment Testing

Client Information		Sampler:	Lab Pk:	Carrier Tracking No(s)	COC No:
Client Contact:	Mike Ciesynski	Phone: 817 360 2976	Kimmel, Mike		870-5838-1419.1
Company:	Chem-Aqua Inc		E-Mail: Mike.Kimmel@eurofins.com	State of Origin:	Page: 1 of 1
Address:	PO BOX 152170	Due Date Requested:	Analysis Requested		
City:	TX 75015	TAT Requested (days):			
State:	TX 75015	Compliance Project: ☐ Yes ☐ No			
Phone:	817 360 2976	PO #:			
Email:	mciesynski@chemaqua.com	Purchase Order not required			
Project Name:	TCEQ Permit Renewal-Momentum Energy	MO #:			
Site:		Project #:			
		SSOW#:			
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Sludge, Other)	Field Filtered Sample (Yes or No)
5000 tank	9/19/23	1300		Water	Perform MS/MSD (Yes or No)
				Water	615_MOD - (MOD) 615-PCP
				Water	5310C - Dissolved Organic Carbon (DOC)
				Water	SM4500_S2_F - TOTAL SULFIDE
					350.1, 351.2, 353.2, 355.1
					HACH8000_NP - COD-H8000
					2120B, 2320B, 300_ORGFM_28D, 5540C
					200.7, 200.8
					608.3_PCB, 625.1
					5310C - Total Organic Carbon (TOC)
					3500_CR_B - SM3500 CR B
					2540C_Calcd, 2540D, SM5210B_Calc, SM5210B_CBODCal
					624.1 - 624.1 - VOC's
					SM4500SO3_B - SM4500SO3 B-Sulfite
					Total Number of containers
					Preservation Codes:
					A - HCL
					B - NaOH
					C - Zn Acetate
					D - Nitric Acid
					E - NaHSO4
					F - MeOH
					G - Ammonia
					H - Ascorbic Acid
					I - Ice
					J - DI Water
					K - EDTA
					L - EDA
					M - Hexane
					N - None
					O - AsNaO2
					P - Na2SO4
					Q - Na2SO3
					R - Na2S2O3
					S - H2SO4
					T - TSP Dodecahydrate
					U - Acetone
					V - MCA
					W - pH 4.5
					X - Tizma
					Z - other (specify)
Special Instructions/Note:					
870-20838 Chain of Custody					
Possible Hazard Identification					
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: Mike Ciesynski Date: 9/19/23 Time: 1455					
Relinquished by: Date: Company: Chem-Aqua Inc					
Relinquished by: Date: Company:					
Custody Seals Intact: ☐ Yes ☐ No					
Custody Seal No.:					
Cooler Temperature(s) °C and Other Remarks:					

eurofins | Environment Testing

Ver. 06/08/2021

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-20838-1

Login Number: 20838

List Number: 1

Creator: Dabinett, Ian

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-20838-1

Login Number: 20838

List Number: 2

Creator: Canadilla, Surelis

List Source: Eurofins Houston

List Creation: 09/20/23 08:10 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

ANALYTICAL REPORT

PREPARED FOR

Attn: Jake Ciesynski
Chem-Aqua, Inc.
2727 Chemsearch Blvd.
Irving, Texas 75062

Generated 10/20/2023 5:33:55 PM

JOB DESCRIPTION

TCEQ Permit Renewal-Momentum Energy

JOB NUMBER

870-21055-1

Eurofins Dallas

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
10/20/2023 5:33:55 PM

Authorized for release by
Mike Kimmel, Project Manager
Mike.Kimmel@et.eurofinsus.com
(214)902-0300

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	8
Surrogate Summary	13
QC Sample Results	15
QC Association Summary	39
Lab Chronicle	45
Certification Summary	46
Method Summary	47
Sample Summary	48
Subcontract Data	49
Chain of Custody	55
Receipt Checklists	58



Definitions/Glossary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Dallas

Definitions/Glossary

Client: Chem-Aqua, Inc.

Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Glossary (Continued)

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

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Job ID: 870-21055-1

Laboratory: Eurofins Dallas

Narrative

Job Narrative 870-21055-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The sample was received on 9/26/2023 2:43 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 21.1°C

Subcontract Work

Method General Subcontract Method: This method was subcontracted to Envirodyne Laboratories. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

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

GC/MS Semi VOA

Method 625.1: The laboratory control sample duplicate (LCSD) for preparation batch 860-124109 and analytical batch 860-124184 recovered outside control limits for the following analytes: 2-Nitroaniline. This analytes was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

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

GC Semi VOA

Method 615_MOD: The surrogate recovery for the laboratory control sample (LCS) associated with preparation batch 860-124099 and analytical batch 860-124287 was outside the upper control limits.
(LCS 860-124099/2-A)

Method 615_MOD: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-124099 and analytical batch 860-124287 recovered outside control limits for the following analytes: Pentachlorophenol.

Method 615_MOD: The 2,4-Dichlorophenylacetic acid surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column: (MB 860-124878/1-A). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 615_MOD: The following sample was prepared outside of preparation holding time due to LCSD recovery outside the control limits (low biased) for Pentachlorophenol: 5000 Tank (870-21055-1).

Method 615_MOD: The laboratory control sample duplicate (LCSD) for preparation batch 860-124099 and analytical batch 860-124287 recovered outside control limits for the following analytes: Pentachlorophenol. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 615_MOD: Surrogate recovery for the following sample was outside control limits: 5000 Tank (870-21055-1). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

Case Narrative

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Job ID: 870-21055-1 (Continued)

Laboratory: Eurofins Dallas (Continued)

Method 615_MOD: Surrogate recovery for the following sample was outside control limits: 5000 Tank (870-21055-1). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

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

PCBs

Method 608.3_PCB: The surrogate recovery for the laboratory control sample (LCS) associated with preparation batch 860-123848 and analytical batch 860-123981 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-124441 contained Chloride and Sulfate greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

Method 300_ORGFM_28D: The instrument blank/CCB for analytical batch 860-124441 contained Chloride greater than the method detection limit (MDL), and were not reanalyzed because associated sample(s) results were greater than 10X the value found in the instrument blank/CCB. The data have been reported.

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

Metals

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

General Chemistry

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-124197 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 5310C: The instrument blank for analytical batch 860-125648 contained TOC greater than the method detection limit (MDL). Sample results are 10 times higher than the instrument blank or under the reporting limit.

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

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-21055-1

Date Collected: 09/26/23 13:00

Matrix: Water

Date Received: 09/26/23 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/26/23 22:04	1
1,1,2,2-Tetrachloroethane	<0.00171	U	0.00500	0.00171	mg/L			09/26/23 22:04	1
1,1,2-Trichloroethane	<0.000747	U	0.00200	0.000747	mg/L			09/26/23 22:04	1
1,1-Dichloroethane	<0.00103	U	0.00500	0.00103	mg/L			09/26/23 22:04	1
1,1-Dichloroethene	<0.000575	U	0.00200	0.000575	mg/L			09/26/23 22:04	1
1,2-Dibromoethane	<0.000631	U	0.00200	0.000631	mg/L			09/26/23 22:04	1
1,2-Dichlorobenzene	<0.000603	U	0.00200	0.000603	mg/L			09/26/23 22:04	1
1,2-Dichloroethane	<0.00153	U	0.00500	0.00153	mg/L			09/26/23 22:04	1
1,2-Dichloropropane	<0.00155	U	0.00500	0.00155	mg/L			09/26/23 22:04	1
1,3-Dichlorobenzene	<0.00108	U	0.00500	0.00108	mg/L			09/26/23 22:04	1
1,4-Dichlorobenzene	<0.000637	U	0.00200	0.000637	mg/L			09/26/23 22:04	1
2-Butanone	<0.00453	U	0.0200	0.00453	mg/L			09/26/23 22:04	1
2-Chloroethyl vinyl ether	<0.00120	U	0.00500	0.00120	mg/L			09/26/23 22:04	1
Acetone	<0.0213	U	0.0500	0.0213	mg/L			09/26/23 22:04	1
Acrolein	<0.0231	U	0.0500	0.0231	mg/L			09/26/23 22:04	1
Acrylonitrile	<0.00780	U	0.0500	0.00780	mg/L			09/26/23 22:04	1
Benzene	<0.000496	U	0.00200	0.000496	mg/L			09/26/23 22:04	1
Bromodichloromethane	<0.000696	U	0.00200	0.000696	mg/L			09/26/23 22:04	1
Bromoform	<0.00133	U	0.00500	0.00133	mg/L			09/26/23 22:04	1
Bromomethane	<0.00188	U	0.00500	0.00188	mg/L			09/26/23 22:04	1
Carbon tetrachloride	<0.00126	U	0.00200	0.00126	mg/L			09/26/23 22:04	1
Chlorobenzene	<0.000945	U	0.00500	0.000945	mg/L			09/26/23 22:04	1
Chloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/26/23 22:04	1
Chloroform	<0.00121	U	0.00500	0.00121	mg/L			09/26/23 22:04	1
Chloromethane	<0.000941	U	0.00500	0.000941	mg/L			09/26/23 22:04	1
Dibromochloromethane	<0.00175	U	0.00500	0.00175	mg/L			09/26/23 22:04	1
Ethylbenzene	0.00100	J	0.00500	0.000878	mg/L			09/26/23 22:04	1
MTBE	<0.00268	U	0.0100	0.00268	mg/L			09/26/23 22:04	1
Methylene Chloride	<0.000829	U	0.00500	0.000829	mg/L			09/26/23 22:04	1
Naphthalene	<0.000927	U	0.00500	0.000927	mg/L			09/26/23 22:04	1
Tetrachloroethene	<0.000900	U	0.00500	0.000900	mg/L			09/26/23 22:04	1
Toluene	<0.00161	U	0.00500	0.00161	mg/L			09/26/23 22:04	1
Xylenes, Total	0.00123	J	0.00500	0.00113	mg/L			09/26/23 22:04	1
Trichloroethene	<0.00169	U	0.00500	0.00169	mg/L			09/26/23 22:04	1
Trichlorofluoromethane	<0.00124	U	0.00500	0.00124	mg/L			09/26/23 22:04	1
Vinyl chloride	<0.000592	U	0.00200	0.000592	mg/L			09/26/23 22:04	1
cis-1,2-Dichloroethene	<0.000796	U	0.00500	0.000796	mg/L			09/26/23 22:04	1
cis-1,3-Dichloropropene	<0.000885	U	0.00500	0.000885	mg/L			09/26/23 22:04	1
m,p-Xylenes	0.00123	J	0.00500	0.00113	mg/L			09/26/23 22:04	1
o-Xylene	<0.000488	U	0.00200	0.000488	mg/L			09/26/23 22:04	1
trans-1,2-Dichloroethene	<0.000903	U	0.00500	0.000903	mg/L			09/26/23 22:04	1
trans-1,3-Dichloropropene	<0.00195	U	0.00500	0.00195	mg/L			09/26/23 22:04	1
Trihalomethanes, Total	<0.00175	U	0.00500	0.00175	mg/L			09/26/23 22:04	1
Vinyl acetate	<0.00169	U	0.00500	0.00169	mg/L			09/26/23 22:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.00500	0.000692	mg/L			09/26/23 22:04	1
Cyclohexane	<0.000781	U	0.00500	0.000781	mg/L			09/26/23 22:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		76 - 118		09/26/23 22:04	1
4-Bromofluorobenzene (Surr)	98		76 - 119		09/26/23 22:04	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-21055-1

Date Collected: 09/26/23 13:00

Matrix: Water

Date Received: 09/26/23 14:43

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		61 - 132		09/26/23 22:04	1
Toluene-d8 (Surr)	100		74 - 130		09/26/23 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		09/29/23 11:02	09/29/23 23:46	1
1,2-Dichlorobenzene	<0.00162	U	0.0100	0.00162	mg/L		09/29/23 11:02	09/29/23 23:46	1
1,3-Dichlorobenzene	<0.00144	U	0.0100	0.00144	mg/L		09/29/23 11:02	09/29/23 23:46	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/29/23 11:02	09/29/23 23:46	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/29/23 11:02	09/29/23 23:46	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/29/23 11:02	09/29/23 23:46	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/29/23 11:02	09/29/23 23:46	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/29/23 11:02	09/29/23 23:46	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/29/23 11:02	09/29/23 23:46	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/29/23 11:02	09/29/23 23:46	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		09/29/23 11:02	09/29/23 23:46	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		09/29/23 11:02	09/29/23 23:46	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/29/23 11:02	09/29/23 23:46	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/29/23 11:02	09/29/23 23:46	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/29/23 11:02	09/29/23 23:46	1
2-Nitroaniline	<0.00197	U *+	0.0100	0.00197	mg/L		09/29/23 11:02	09/29/23 23:46	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/29/23 11:02	09/29/23 23:46	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/29/23 11:02	09/29/23 23:46	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/29/23 11:02	09/29/23 23:46	1
3-Nitroaniline	<0.00225	U	0.0100	0.00225	mg/L		09/29/23 11:02	09/29/23 23:46	1
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/29/23 11:02	09/29/23 23:46	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		09/29/23 11:02	09/29/23 23:46	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/29/23 11:02	09/29/23 23:46	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/29/23 11:02	09/29/23 23:46	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/29/23 11:02	09/29/23 23:46	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/29/23 11:02	09/29/23 23:46	1
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		09/29/23 11:02	09/29/23 23:46	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/29/23 11:02	09/29/23 23:46	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/29/23 11:02	09/29/23 23:46	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/29/23 11:02	09/29/23 23:46	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/29/23 11:02	09/29/23 23:46	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/29/23 11:02	09/29/23 23:46	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/29/23 11:02	09/29/23 23:46	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/29/23 11:02	09/29/23 23:46	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/29/23 11:02	09/29/23 23:46	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/29/23 11:02	09/29/23 23:46	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/29/23 11:02	09/29/23 23:46	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/29/23 11:02	09/29/23 23:46	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/29/23 11:02	09/29/23 23:46	1
bis (2-chloroisopropyl) ether	<0.00179	U	0.0100	0.00179	mg/L		09/29/23 11:02	09/29/23 23:46	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/29/23 11:02	09/29/23 23:46	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/29/23 11:02	09/29/23 23:46	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/29/23 11:02	09/29/23 23:46	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/29/23 11:02	09/29/23 23:46	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-21055-1

Date Collected: 09/26/23 13:00

Matrix: Water

Date Received: 09/26/23 14:43

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/29/23 11:02	09/29/23 23:46	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/29/23 11:02	09/29/23 23:46	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		09/29/23 11:02	09/29/23 23:46	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/29/23 11:02	09/29/23 23:46	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/29/23 11:02	09/29/23 23:46	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		09/29/23 11:02	09/29/23 23:46	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/29/23 11:02	09/29/23 23:46	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/29/23 11:02	09/29/23 23:46	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/29/23 11:02	09/29/23 23:46	1
Hexachloroethane	<0.000526	U	0.00480	0.000526	mg/L		09/29/23 11:02	09/29/23 23:46	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/29/23 11:02	09/29/23 23:46	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/29/23 11:02	09/29/23 23:46	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/29/23 11:02	09/29/23 23:46	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/29/23 11:02	09/29/23 23:46	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/29/23 11:02	09/29/23 23:46	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/29/23 11:02	09/29/23 23:46	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/29/23 11:02	09/29/23 23:46	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		09/29/23 11:02	09/29/23 23:46	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/29/23 11:02	09/29/23 23:46	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/29/23 11:02	09/29/23 23:46	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		09/29/23 11:02	09/29/23 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		31 - 132	09/29/23 11:02	09/29/23 23:46	1
2-Fluorobiphenyl (Surr)	95		29 - 112	09/29/23 11:02	09/29/23 23:46	1
2-Fluorophenol (Surr)	32		28 - 114	09/29/23 11:02	09/29/23 23:46	1
Nitrobenzene-d5 (Surr)	104		15 - 314	09/29/23 11:02	09/29/23 23:46	1
p-Terphenyl-d14 (Surr)	105		20 - 141	09/29/23 11:02	09/29/23 23:46	1
Phenol-d5 (Surr)	20		8 - 424	09/29/23 11:02	09/29/23 23:46	1

Method: EPA 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 11:55	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 11:55	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 11:55	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 11:55	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 11:55	1
PCB-1254	<0.00000780	U	0.000100	0.00000780	mg/L		09/28/23 08:34	09/29/23 11:55	1
PCB-1260	<0.00000780	U	0.000100	0.00000780	mg/L		09/28/23 08:34	09/29/23 11:55	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/28/23 08:34	09/29/23 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	89		18 - 126	09/28/23 08:34	09/29/23 11:55	1
DCB Decachlorobiphenyl (Surr)	94		15 - 136	09/28/23 08:34	09/29/23 11:55	1

Method: EPA-01 615 - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000444	U *- *1	0.000200	0.0000444	mg/L		09/28/23 10:31	10/03/23 04:13	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-21055-1

Date Collected: 09/26/23 13:00

Matrix: Water

Date Received: 09/26/23 14:43

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	306	S1+	45 - 150	09/28/23 10:31	10/03/23 04:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	0.745		0.500	0.0711	mg/L			10/02/23 19:27	1
Chloride	402		0.500	0.250	mg/L			10/02/23 19:27	1
Fluoride	0.291	J	0.500	0.100	mg/L			10/02/23 19:27	1
Sulfate	45.8		0.500	0.200	mg/L			10/02/23 19:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0433	J	0.0500	0.0173	mg/L		10/02/23 11:30	10/03/23 14:27	1
Iron	0.754		0.200	0.0185	mg/L		10/02/23 11:30	10/03/23 14:27	1
Magnesium	10.1		0.200	0.0428	mg/L		10/02/23 11:30	10/03/23 14:27	1
Molybdenum	0.00308	J	0.0100	0.00261	mg/L		10/02/23 11:30	10/03/23 14:27	1
Tin	<0.00668	U	0.0200	0.00668	mg/L		10/02/23 11:30	10/03/23 14:27	1

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.0477		0.0200	0.00301	mg/L		10/02/23 11:30	10/02/23 17:17	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		10/02/23 11:30	10/02/23 21:16	1
Arsenic	0.00246	J	0.00400	0.000341	mg/L		10/02/23 11:30	10/02/23 17:17	1
Barium	0.0388		0.00400	0.000289	mg/L		10/02/23 11:30	10/02/23 17:17	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		10/02/23 11:30	10/02/23 17:17	1
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		10/02/23 11:30	10/02/23 17:17	1
Chromium	0.000530	J	0.00400	0.000325	mg/L		10/02/23 11:30	10/02/23 17:17	1
Cobalt	0.00232		0.00200	0.000131	mg/L		10/02/23 11:30	10/02/23 17:17	1
Copper	0.00415		0.00400	0.000690	mg/L		10/02/23 11:30	10/02/23 17:17	1
Lead	0.000521	J	0.00200	0.000140	mg/L		10/02/23 11:30	10/02/23 17:17	1
Manganese	0.181		0.00200	0.000160	mg/L		10/02/23 11:30	10/02/23 17:17	1
Nickel	0.00381		0.00200	0.000486	mg/L		10/02/23 11:30	10/02/23 17:17	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		10/02/23 11:30	10/02/23 17:17	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		10/02/23 11:30	10/02/23 21:16	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		10/02/23 11:30	10/02/23 17:17	1
Titanium	0.00187	J	0.00400	0.000419	mg/L		10/02/23 11:30	10/02/23 21:16	1
Zinc	0.00980		0.00400	0.000885	mg/L		10/02/23 11:30	10/02/23 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	1.35		0.100	0.0510	mg/L			09/29/23 02:19	1
Nitrogen, Kjeldahl (EPA 351.2)	2.66		0.200	0.0890	mg/L		10/04/23 10:57	10/04/23 16:25	1
Nitrate Nitrite as N (EPA 353.2)	<0.0500	U F1	0.100	0.0500	mg/L			09/29/23 13:51	1
Total Phosphorus as P (EPA 365.1)	11.1		0.240	0.115	mg/L		10/03/23 16:59	10/05/23 18:00	12
Chemical Oxygen Demand (Hach 8000)	54.0		20.0	3.36	mg/L			10/02/23 18:47	1
Color, Apparent (SM 2120B)	10.0		5.00	5.00	Color Units			09/27/23 18:32	1
Color, True (SM 2120B)	5.00		5.00	5.00	Color Units			09/27/23 18:32	1
pH (SM 2120B)	8.72		0.100	0.100	S.U.			09/27/23 18:32	1
Alkalinity (SM 2320B)	181		4.00	4.00	mg/L			09/27/23 12:57	1
Total Dissolved Solids (SM 2540C)	1010		5.00	5.00	mg/L			09/28/23 13:56	1
Total Suspended Solids (SM 2540D)	<2.50	U	2.50	2.50	mg/L			09/28/23 14:03	1

Eurofins Dallas

Client Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Client Sample ID: 5000 Tank

Lab Sample ID: 870-21055-1

Date Collected: 09/26/23 13:00

Matrix: Water

Date Received: 09/26/23 14:43

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SM 3500 CR B)	<0.00280	U	0.0100	0.00280	mg/L			09/26/23 16:13	1
Sulfide (SM 4500 S2 F)	<2.00	U	5.00	2.00	mg/L			09/28/23 16:09	1
Sulfite (SM 4500 SO3 B)	<5.00	U HF	5.00	5.00	mg/L			10/03/23 10:40	1
Biochemical Oxygen Demand (SM 5210B)	<3.00	U	3.00	3.00	mg/L			09/27/23 10:52	1
Total Organic Carbon (SM 5310C)	6.61		2.00	1.00	mg/L			10/06/23 14:06	2
Carbonaceous Biochemical Oxygen Demand (SM5210B CBOD)	<3.00	U	3.00	3.00	mg/L			09/27/23 11:25	1
Nitrogen, Total (EPA Total Nitrogen)	2.66		0.200	0.0614	mg/L			09/29/23 21:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon (SM 5310C)	3.68		1.00	0.548	mg/L			10/10/23 00:45	1

Surrogate Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (76-118)	BFB (76-119)	DBFM (61-132)	TOL (74-130)
870-21055-1	5000 Tank	108	98	98	100
LCS 870-15408/12	Lab Control Sample	102	99	99	101
LCSD 870-15408/13	Lab Control Sample Dup	108	99	98	102
MB 870-15408/14	Method Blank	111	104	98	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (31-132)	FBP (29-112)	2FP (28-114)	NBZ (15-314)	TPHd14 (20-141)	PHL (8-424)
870-21055-1	5000 Tank	94	95	32	104	105	20
LCS 860-124109/2-A	Lab Control Sample	103	79	51	77	102	41
LCSD 860-124109/3-A	Lab Control Sample Dup	111	92	59	85	106	45
MB 860-124109/1-A	Method Blank	90	94	61	99	106	39

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (18-126)	DCB1 (15-136)
870-21055-1	5000 Tank	89	94
LCS 860-123848/4-A	Lab Control Sample	109	140 S1+
LCSD 860-123848/5-A	Lab Control Sample Dup	109	128
MB 860-123848/1-A	Method Blank	97	83

Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl (Surr)

Method: 615 - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)						
		DCPAA1 (45-150)						
870-21055-1	5000 Tank	306 S1+						

Eurofins Dallas

Surrogate Summary

Client: Chem-Aqua, Inc.

Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 615 - Herbicides (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DCPAA1 (45-150)
LCS 860-124099/2-A	Lab Control Sample	155 S1+
LCS 860-124878/2-A	Lab Control Sample	114
LCSD 860-124099/3-A	Lab Control Sample Dup	105
LCSD 860-124878/3-A	Lab Control Sample Dup	115
MB 860-124099/1-A	Method Blank	75
MB 860-124878/1-A	Method Blank	157 S1+

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: MB 870-15408/14

Matrix: Water

Analysis Batch: 15408

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/26/23 16:54	1
1,1,2,2-Tetrachloroethane	<0.00171	U	0.00500	0.00171	mg/L			09/26/23 16:54	1
1,1,2-Trichloroethane	<0.000747	U	0.00200	0.000747	mg/L			09/26/23 16:54	1
1,1-Dichloroethane	<0.00103	U	0.00500	0.00103	mg/L			09/26/23 16:54	1
1,1-Dichloroethene	<0.000575	U	0.00200	0.000575	mg/L			09/26/23 16:54	1
1,2-Dibromoethane	<0.000631	U	0.00200	0.000631	mg/L			09/26/23 16:54	1
1,2-Dichlorobenzene	<0.000603	U	0.00200	0.000603	mg/L			09/26/23 16:54	1
1,2-Dichloroethane	<0.00153	U	0.00500	0.00153	mg/L			09/26/23 16:54	1
1,2-Dichloropropane	<0.00155	U	0.00500	0.00155	mg/L			09/26/23 16:54	1
1,3-Dichlorobenzene	<0.00108	U	0.00500	0.00108	mg/L			09/26/23 16:54	1
1,4-Dichlorobenzene	<0.000637	U	0.00200	0.000637	mg/L			09/26/23 16:54	1
2-Butanone	<0.00453	U	0.0200	0.00453	mg/L			09/26/23 16:54	1
2-Chloroethyl vinyl ether	<0.00120	U	0.00500	0.00120	mg/L			09/26/23 16:54	1
Acetone	<0.0213	U	0.0500	0.0213	mg/L			09/26/23 16:54	1
Acrolein	<0.0231	U	0.0500	0.0231	mg/L			09/26/23 16:54	1
Acrylonitrile	<0.00780	U	0.0500	0.00780	mg/L			09/26/23 16:54	1
Benzene	<0.000496	U	0.00200	0.000496	mg/L			09/26/23 16:54	1
Bromodichloromethane	<0.000696	U	0.00200	0.000696	mg/L			09/26/23 16:54	1
Bromoform	<0.00133	U	0.00500	0.00133	mg/L			09/26/23 16:54	1
Bromomethane	<0.00188	U	0.00500	0.00188	mg/L			09/26/23 16:54	1
Carbon tetrachloride	<0.00126	U	0.00200	0.00126	mg/L			09/26/23 16:54	1
Chlorobenzene	<0.000945	U	0.00500	0.000945	mg/L			09/26/23 16:54	1
Chloroethane	<0.00145	U	0.00500	0.00145	mg/L			09/26/23 16:54	1
Chloroform	<0.00121	U	0.00500	0.00121	mg/L			09/26/23 16:54	1
Chloromethane	<0.000941	U	0.00500	0.000941	mg/L			09/26/23 16:54	1
Dibromochloromethane	<0.00175	U	0.00500	0.00175	mg/L			09/26/23 16:54	1
Ethylbenzene	<0.000878	U	0.00500	0.000878	mg/L			09/26/23 16:54	1
MTBE	<0.00268	U	0.0100	0.00268	mg/L			09/26/23 16:54	1
Methylene Chloride	<0.000829	U	0.00500	0.000829	mg/L			09/26/23 16:54	1
Naphthalene	<0.000927	U	0.00500	0.000927	mg/L			09/26/23 16:54	1
Tetrachloroethene	<0.000900	U	0.00500	0.000900	mg/L			09/26/23 16:54	1
Toluene	<0.00161	U	0.00500	0.00161	mg/L			09/26/23 16:54	1
Xylenes, Total	<0.00113	U	0.00500	0.00113	mg/L			09/26/23 16:54	1
Trichloroethene	<0.00169	U	0.00500	0.00169	mg/L			09/26/23 16:54	1
Trichlorofluoromethane	<0.00124	U	0.00500	0.00124	mg/L			09/26/23 16:54	1
Vinyl chloride	<0.000592	U	0.00200	0.000592	mg/L			09/26/23 16:54	1
cis-1,2-Dichloroethene	<0.000796	U	0.00500	0.000796	mg/L			09/26/23 16:54	1
cis-1,3-Dichloropropene	<0.000885	U	0.00500	0.000885	mg/L			09/26/23 16:54	1
m,p-Xylenes	<0.00113	U	0.00500	0.00113	mg/L			09/26/23 16:54	1
o-Xylene	<0.000488	U	0.00200	0.000488	mg/L			09/26/23 16:54	1
trans-1,2-Dichloroethene	<0.000903	U	0.00500	0.000903	mg/L			09/26/23 16:54	1
trans-1,3-Dichloropropene	<0.00195	U	0.00500	0.00195	mg/L			09/26/23 16:54	1
Trihalomethanes, Total	<0.00175	U	0.00500	0.00175	mg/L			09/26/23 16:54	1
Vinyl acetate	<0.00169	U	0.00500	0.00169	mg/L			09/26/23 16:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.000692	U	0.00500	0.000692	mg/L			09/26/23 16:54	1
Cyclohexane	<0.000781	U	0.00500	0.000781	mg/L			09/26/23 16:54	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: MB 870-15408/14

Matrix: Water

Analysis Batch: 15408

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		76 - 118		09/26/23 16:54	1
4-Bromofluorobenzene (Surr)	104		76 - 119		09/26/23 16:54	1
Dibromofluoromethane (Surr)	98		61 - 132		09/26/23 16:54	1
Toluene-d8 (Surr)	106		74 - 130		09/26/23 16:54	1

Lab Sample ID: LCS 870-15408/12

Matrix: Water

Analysis Batch: 15408

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0503	0.04877		mg/L		97	70 - 130
1,1,2,2-Tetrachloroethane	0.0504	0.04874		mg/L		97	70 - 130
1,1,2-Trichloroethane	0.0503	0.04970		mg/L		99	75 - 130
1,1-Dichloroethane	0.0505	0.04999		mg/L		99	71 - 130
1,1-Dichloroethene	0.0504	0.05073		mg/L		101	70 - 130
1,2-Dibromoethane	0.0504	0.04989		mg/L		99	70 - 130
1,2-Dichlorobenzene	0.0503	0.04869		mg/L		97	70 - 130
1,2-Dichloroethane	0.0505	0.05296		mg/L		105	72 - 130
1,2-Dichloropropane	0.0504	0.05355		mg/L		106	70 - 130
1,3-Dichlorobenzene	0.0504	0.04767		mg/L		95	75 - 130
1,4-Dichlorobenzene	0.0504	0.04837		mg/L		96	70 - 130
2-Butanone	0.500	0.4609		mg/L		92	70 - 130
2-Chloroethyl vinyl ether	0.0500	0.05318		mg/L		106	70 - 130
Acetone	0.501	0.4848		mg/L		97	70 - 130
Acrolein	0.498	0.4814		mg/L		97	70 - 130
Acrylonitrile	0.504	0.5683		mg/L		113	70 - 130
Benzene	0.0503	0.05176		mg/L		103	70 - 130
Bromodichloromethane	0.0505	0.04912		mg/L		97	70 - 130
Bromoform	0.0504	0.04885		mg/L		97	70 - 130
Bromomethane	0.0501	0.05636		mg/L		113	70 - 130
Carbon tetrachloride	0.0505	0.04809		mg/L		95	70 - 125
Chlorobenzene	0.0504	0.05008		mg/L		99	70 - 130
Chloroethane	0.0500	0.05864		mg/L		117	70 - 130
Chloroform	0.0505	0.05079		mg/L		101	70 - 121
Chloromethane	0.0500	0.05583		mg/L		112	70 - 130
Dibromochloromethane	0.0503	0.04857		mg/L		97	70 - 130
Ethylbenzene	0.0504	0.04970		mg/L		99	75 - 130
MTBE	0.0503	0.05616		mg/L		112	70 - 130
Methylene Chloride	0.0504	0.04185		mg/L		83	70 - 130
Naphthalene	0.0502	0.04871		mg/L		97	70 - 130
Tetrachloroethene	0.0503	0.04799		mg/L		95	70 - 130
Toluene	0.0505	0.04913		mg/L		97	75 - 130
Trichloroethene	0.0503	0.04879		mg/L		97	75 - 130
Trichlorofluoromethane	0.0500	0.06009		mg/L		120	70 - 130
Vinyl chloride	0.0500	0.05836		mg/L		117	70 - 130
cis-1,2-Dichloroethene	0.0503	0.05154		mg/L		102	70 - 130
cis-1,3-Dichloropropene	0.0505	0.05177		mg/L		103	70 - 130
m,p-Xylenes	0.0503	0.04822		mg/L		96	70 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: LCS 870-15408/12

Matrix: Water

Analysis Batch: 15408

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.0504	0.04957		mg/L		98	70 - 130
trans-1,2-Dichloroethene	0.0505	0.04916		mg/L		97	70 - 130
trans-1,3-Dichloropropene	0.0504	0.05091		mg/L		101	70 - 130
Vinyl acetate	0.101	0.1090		mg/L		108	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.05071		mg/L		100	70 - 130
Cyclohexane	0.0504	0.05042		mg/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		76 - 118
4-Bromofluorobenzene (Surr)	99		76 - 119
Dibromofluoromethane (Surr)	99		61 - 132
Toluene-d8 (Surr)	101		74 - 130

Lab Sample ID: LCSD 870-15408/13

Matrix: Water

Analysis Batch: 15408

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0503	0.05965		mg/L		119	70 - 130	20	21
1,1,2,2-Tetrachloroethane	0.0504	0.05723		mg/L		114	70 - 130	16	25
1,1,2-Trichloroethane	0.0503	0.05800		mg/L		115	75 - 130	15	25
1,1-Dichloroethane	0.0505	0.06253		mg/L		124	71 - 130	22	24
1,1-Dichloroethene	0.0504	0.06327		mg/L		126	70 - 130	22	25
1,2-Dibromoethane	0.0504	0.05781		mg/L		115	70 - 130	15	25
1,2-Dichlorobenzene	0.0503	0.05630		mg/L		112	70 - 130	15	25
1,2-Dichloroethane	0.0505	0.06185		mg/L		123	72 - 130	15	25
1,2-Dichloropropane	0.0504	0.06191		mg/L		123	70 - 130	14	25
1,3-Dichlorobenzene	0.0504	0.05547		mg/L		110	75 - 130	15	24
1,4-Dichlorobenzene	0.0504	0.05596		mg/L		111	70 - 130	15	25
2-Butanone	0.500	0.5532		mg/L		111	70 - 130	18	25
2-Chloroethyl vinyl ether	0.0500	0.06072		mg/L		121	70 - 130	13	25
Acetone	0.501	0.5999		mg/L		120	70 - 130	21	25
Acrolein	0.498	0.6008		mg/L		121	70 - 130	22	25
Acrylonitrile	0.504	0.6400		mg/L		127	70 - 130	12	25
Benzene	0.0503	0.05966		mg/L		119	70 - 130	14	25
Bromodichloromethane	0.0505	0.05722		mg/L		113	70 - 130	15	25
Bromoform	0.0504	0.05695		mg/L		113	70 - 130	15	25
Bromomethane	0.0501	0.05837		mg/L		117	70 - 130	3	25
Carbon tetrachloride	0.0505	0.05815		mg/L		115	70 - 125	19	25
Chlorobenzene	0.0504	0.05786		mg/L		115	70 - 130	14	25
Chloroethane	0.0500	0.05803		mg/L		116	70 - 130	1	25
Chloroform	0.0505	0.05886		mg/L		117	70 - 121	15	25
Chloromethane	0.0500	0.05694		mg/L		114	70 - 130	2	25
Dibromochloromethane	0.0503	0.05708		mg/L		114	70 - 130	16	25
Ethylbenzene	0.0504	0.05703		mg/L		113	75 - 130	14	25
MTBE	0.0503	0.06183		mg/L		123	70 - 130	10	25
Methylene Chloride	0.0504	0.03877		mg/L		77	70 - 130	8	25
Naphthalene	0.0502	0.05636		mg/L		112	70 - 130	15	25

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: LCSD 870-15408/13

Matrix: Water

Analysis Batch: 15408

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	0.0503	0.05504		mg/L		110	70 - 130	14	23
Toluene	0.0505	0.05674		mg/L		112	75 - 130	14	22
Trichloroethene	0.0503	0.05665		mg/L		113	75 - 130	15	25
Trichlorofluoromethane	0.0500	0.05968		mg/L		119	70 - 130	1	25
Vinyl chloride	0.0500	0.06008		mg/L		120	70 - 130	3	25
cis-1,2-Dichloroethene	0.0503	0.06178		mg/L		123	70 - 130	18	25
cis-1,3-Dichloropropene	0.0505	0.05977		mg/L		118	70 - 130	14	25
m,p-Xylenes	0.0503	0.05568		mg/L		111	70 - 130	14	25
o-Xylene	0.0504	0.05728		mg/L		114	70 - 130	14	25
trans-1,2-Dichloroethene	0.0505	0.06021		mg/L		119	70 - 130	20	25
trans-1,3-Dichloropropene	0.0504	0.05912		mg/L		117	70 - 130	15	25
Vinyl acetate	0.101	0.1207		mg/L		120	70 - 130	10	25
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0505	0.06220		mg/L		123	70 - 130	20	25
Cyclohexane	0.0504	0.05918		mg/L		117	70 - 130	16	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		76 - 118
4-Bromofluorobenzene (Surr)	99		76 - 119
Dibromofluoromethane (Surr)	98		61 - 132
Toluene-d8 (Surr)	102		74 - 130

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

Lab Sample ID: MB 860-124109/1-A

Matrix: Water

Analysis Batch: 124184

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.00161	U	0.00500	0.00161	mg/L		09/29/23 11:02	09/29/23 18:18	1
1,2-Dichlorobenzene	<0.00162	U	0.0100	0.00162	mg/L		09/29/23 11:02	09/29/23 18:18	1
1,3-Dichlorobenzene	<0.00144	U	0.0100	0.00144	mg/L		09/29/23 11:02	09/29/23 18:18	1
1,4-Dichlorobenzene	<0.00155	U	0.0100	0.00155	mg/L		09/29/23 11:02	09/29/23 18:18	1
2,4,5-Trichlorophenol	<0.00200	U	0.0100	0.00200	mg/L		09/29/23 11:02	09/29/23 18:18	1
2,4,6-Trichlorophenol	<0.00142	U	0.00500	0.00142	mg/L		09/29/23 11:02	09/29/23 18:18	1
2,4-Dichlorophenol	<0.000314	U	0.00500	0.000314	mg/L		09/29/23 11:02	09/29/23 18:18	1
2,4-Dimethylphenol	<0.000649	U	0.00500	0.000649	mg/L		09/29/23 11:02	09/29/23 18:18	1
2,4-Dinitrophenol	<0.000499	U	0.0100	0.000499	mg/L		09/29/23 11:02	09/29/23 18:18	1
2,4-Dinitrotoluene	<0.00131	U	0.0100	0.00131	mg/L		09/29/23 11:02	09/29/23 18:18	1
2,6-Dinitrotoluene	<0.00161	U	0.00500	0.00161	mg/L		09/29/23 11:02	09/29/23 18:18	1
2-Chloronaphthalene	<0.000462	U	0.00500	0.000462	mg/L		09/29/23 11:02	09/29/23 18:18	1
2-Chlorophenol	<0.000649	U	0.00500	0.000649	mg/L		09/29/23 11:02	09/29/23 18:18	1
2-Methylnaphthalene	<0.00291	U	0.0100	0.00291	mg/L		09/29/23 11:02	09/29/23 18:18	1
2-Methylphenol	<0.00162	U	0.0100	0.00162	mg/L		09/29/23 11:02	09/29/23 18:18	1
2-Nitroaniline	<0.00197	U	0.0100	0.00197	mg/L		09/29/23 11:02	09/29/23 18:18	1
2-Nitrophenol	<0.00167	U	0.0100	0.00167	mg/L		09/29/23 11:02	09/29/23 18:18	1
3 & 4 Methylphenol	<0.00262	U	0.0100	0.00262	mg/L		09/29/23 11:02	09/29/23 18:18	1
3,3'-Dichlorobenzidine	<0.000341	U	0.00500	0.000341	mg/L		09/29/23 11:02	09/29/23 18:18	1
3-Nitroaniline	<0.00225	U	0.0100	0.00225	mg/L		09/29/23 11:02	09/29/23 18:18	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: MB 860-124109/1-A
Matrix: Water
Analysis Batch: 124184

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	<0.00144	U	0.0100	0.00144	mg/L		09/29/23 11:02	09/29/23 18:18	1
4-Bromophenyl phenyl ether	<0.000256	U	0.00500	0.000256	mg/L		09/29/23 11:02	09/29/23 18:18	1
4-Chloro-3-methylphenol	<0.00157	U	0.00500	0.00157	mg/L		09/29/23 11:02	09/29/23 18:18	1
4-Chlorophenyl phenyl ether	<0.00128	U	0.0100	0.00128	mg/L		09/29/23 11:02	09/29/23 18:18	1
4-Nitroaniline	<0.000642	U	0.0100	0.000642	mg/L		09/29/23 11:02	09/29/23 18:18	1
4-Nitrophenol	<0.00491	U	0.00720	0.00491	mg/L		09/29/23 11:02	09/29/23 18:18	1
Acenaphthene	<0.00139	U	0.00570	0.00139	mg/L		09/29/23 11:02	09/29/23 18:18	1
Acenaphthylene	<0.00141	U	0.0100	0.00141	mg/L		09/29/23 11:02	09/29/23 18:18	1
Aniline (Phenylamine, Aminobenzene)	<0.000969	U	0.0100	0.000969	mg/L		09/29/23 11:02	09/29/23 18:18	1
Anthracene	<0.00150	U	0.00570	0.00150	mg/L		09/29/23 11:02	09/29/23 18:18	1
Benzo[a]anthracene	<0.000173	U	0.00500	0.000173	mg/L		09/29/23 11:02	09/29/23 18:18	1
Benzo[a]pyrene	<0.000364	U	0.00500	0.000364	mg/L		09/29/23 11:02	09/29/23 18:18	1
Benzo[b]fluoranthene	<0.00204	U	0.0100	0.00204	mg/L		09/29/23 11:02	09/29/23 18:18	1
Benzo[g,h,i]perylene	<0.00268	U	0.0100	0.00268	mg/L		09/29/23 11:02	09/29/23 18:18	1
Benzo[k]fluoranthene	<0.000375	U	0.00500	0.000375	mg/L		09/29/23 11:02	09/29/23 18:18	1
Benzoic acid	<0.0205	U	0.0650	0.0205	mg/L		09/29/23 11:02	09/29/23 18:18	1
Butyl benzyl phthalate	<0.000337	U	0.00500	0.000337	mg/L		09/29/23 11:02	09/29/23 18:18	1
Bis(2-chloroethoxy)methane	<0.00176	U	0.0100	0.00176	mg/L		09/29/23 11:02	09/29/23 18:18	1
Bis(2-chloroethyl)ether	<0.00216	U	0.0100	0.00216	mg/L		09/29/23 11:02	09/29/23 18:18	1
bis (2-chloroisopropyl) ether	<0.00179	U	0.0100	0.00179	mg/L		09/29/23 11:02	09/29/23 18:18	1
Bis(2-ethylhexyl) phthalate	<0.000277	U	0.00500	0.000277	mg/L		09/29/23 11:02	09/29/23 18:18	1
Chrysene	<0.000222	U	0.00500	0.000222	mg/L		09/29/23 11:02	09/29/23 18:18	1
Dibenz(a,h)anthracene	<0.000246	U	0.00500	0.000246	mg/L		09/29/23 11:02	09/29/23 18:18	1
Dibenzofuran	<0.00118	U	0.0100	0.00118	mg/L		09/29/23 11:02	09/29/23 18:18	1
Diethyl phthalate	<0.00159	U	0.00500	0.00159	mg/L		09/29/23 11:02	09/29/23 18:18	1
Dimethyl phthalate	<0.000299	U	0.00250	0.000299	mg/L		09/29/23 11:02	09/29/23 18:18	1
Di-n-butyl phthalate	<0.000252	U	0.00500	0.000252	mg/L		09/29/23 11:02	09/29/23 18:18	1
Di-n-octyl phthalate	<0.000373	U	0.00500	0.000373	mg/L		09/29/23 11:02	09/29/23 18:18	1
Fluoranthene	<0.00159	U	0.00500	0.00159	mg/L		09/29/23 11:02	09/29/23 18:18	1
Fluorene	<0.00163	U	0.00500	0.00163	mg/L		09/29/23 11:02	09/29/23 18:18	1
Hexachlorobenzene	<0.000307	U	0.00500	0.000307	mg/L		09/29/23 11:02	09/29/23 18:18	1
Hexachlorobutadiene	<0.000238	U	0.00100	0.000238	mg/L		09/29/23 11:02	09/29/23 18:18	1
Hexachlorocyclopentadiene	<0.00458	U	0.0100	0.00458	mg/L		09/29/23 11:02	09/29/23 18:18	1
Hexachloroethane	<0.000526	U	0.00480	0.000526	mg/L		09/29/23 11:02	09/29/23 18:18	1
Indeno[1,2,3-cd]pyrene	<0.00229	U	0.0100	0.00229	mg/L		09/29/23 11:02	09/29/23 18:18	1
Isophorone	<0.00164	U	0.00500	0.00164	mg/L		09/29/23 11:02	09/29/23 18:18	1
Naphthalene	<0.000542	U	0.00250	0.000542	mg/L		09/29/23 11:02	09/29/23 18:18	1
Nitrobenzene	<0.00166	U	0.00500	0.00166	mg/L		09/29/23 11:02	09/29/23 18:18	1
N-Nitrosodi-n-propylamine	<0.00288	U	0.0100	0.00288	mg/L		09/29/23 11:02	09/29/23 18:18	1
N-Nitrosodiphenylamine	<0.00181	U	0.0100	0.00181	mg/L		09/29/23 11:02	09/29/23 18:18	1
Pentachlorophenol	<0.000234	U	0.0100	0.000234	mg/L		09/29/23 11:02	09/29/23 18:18	1
Phenanthrene	<0.00142	U	0.0100	0.00142	mg/L		09/29/23 11:02	09/29/23 18:18	1
Phenol	<0.000423	U	0.00450	0.000423	mg/L		09/29/23 11:02	09/29/23 18:18	1
Pyrene	<0.000178	U	0.00500	0.000178	mg/L		09/29/23 11:02	09/29/23 18:18	1
Pyridine	<0.00264	U	0.0100	0.00264	mg/L		09/29/23 11:02	09/29/23 18:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		31 - 132	09/29/23 11:02	09/29/23 18:18	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: MB 860-124109/1-A

Matrix: Water

Analysis Batch: 124184

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124109

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		29 - 112	09/29/23 11:02	09/29/23 18:18	1
2-Fluorophenol (Surr)	61		28 - 114	09/29/23 11:02	09/29/23 18:18	1
Nitrobenzene-d5 (Surr)	99		15 - 314	09/29/23 11:02	09/29/23 18:18	1
p-Terphenyl-d14 (Surr)	106		20 - 141	09/29/23 11:02	09/29/23 18:18	1
Phenol-d5 (Surr)	39		8 - 424	09/29/23 11:02	09/29/23 18:18	1

Lab Sample ID: LCS 860-124109/2-A

Matrix: Water

Analysis Batch: 124184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	0.0400	0.02406		mg/L		60	57 - 130
1,2-Dichlorobenzene	0.0400	0.02529		mg/L		63	60 - 140
1,3-Dichlorobenzene	0.0400	0.02412		mg/L		60	60 - 140
1,4-Dichlorobenzene	0.0400	0.02497		mg/L		62	19 - 121
2,4,5-Trichlorophenol	0.0400	0.03536		mg/L		88	35 - 111
2,4,6-Trichlorophenol	0.0400	0.03398		mg/L		85	52 - 129
2,4-Dichlorophenol	0.0400	0.02858		mg/L		71	52 - 122
2,4-Dimethylphenol	0.0400	0.02966		mg/L		74	42 - 120
2,4-Dinitrophenol	0.0400	0.03735		mg/L		93	12 - 173
2,4-Dinitrotoluene	0.0400	0.03609		mg/L		90	48 - 127
2,6-Dinitrotoluene	0.0400	0.03892		mg/L		97	68 - 137
2-Chloronaphthalene	0.0400	0.03006		mg/L		75	65 - 120
2-Chlorophenol	0.0400	0.02859		mg/L		71	36 - 120
2-Methylnaphthalene	0.0400	0.02811		mg/L		70	25 - 175
2-Methylphenol	0.0400	0.02722		mg/L		68	14 - 176
2-Nitroaniline	0.0400	0.04073		mg/L		102	34 - 121
2-Nitrophenol	0.0400	0.03049		mg/L		76	45 - 167
3 & 4 Methylphenol	0.0400	0.02800		mg/L		70	14 - 176
3,3'-Dichlorobenzidine	0.0400	0.03850		mg/L		96	18 - 213
3-Nitroaniline	0.0400	0.03673		mg/L		92	65 - 135
4,6-Dinitro-2-methylphenol	0.0400	0.04091		mg/L		102	53 - 130
4-Bromophenyl phenyl ether	0.0400	0.03560		mg/L		89	65 - 120
4-Chloro-3-methylphenol	0.0400	0.03305		mg/L		83	41 - 128
4-Chlorophenyl phenyl ether	0.0400	0.03304		mg/L		83	38 - 145
4-Nitroaniline	0.0400	0.03961		mg/L		99	65 - 135
4-Nitrophenol	0.0400	0.02637		mg/L		66	13 - 129
Acenaphthene	0.0400	0.03286		mg/L		82	60 - 132
Acenaphthylene	0.0400	0.03498		mg/L		87	54 - 126
Aniline (Phenylamine, Aminobenzene)	0.0400	0.02380		mg/L		59	5 - 115
Anthracene	0.0400	0.03904		mg/L		98	43 - 120
Benzo[a]anthracene	0.0400	0.03870		mg/L		97	42 - 133
Benzo[a]pyrene	0.0400	0.03958		mg/L		99	32 - 148
Benzo[b]fluoranthene	0.0400	0.04120		mg/L		103	42 - 140
Benzo[g,h,i]perylene	0.0400	0.04032		mg/L		101	13 - 195
Benzo[k]fluoranthene	0.0400	0.03806		mg/L		95	25 - 146
Benzoic acid	0.120	0.08456		mg/L		70	30 - 115
Butyl benzyl phthalate	0.0400	0.03785		mg/L		95	12 - 140

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: LCS 860-124109/2-A

Matrix: Water

Analysis Batch: 124184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.0400	0.03011		mg/L		75	49 - 165
Bis(2-chloroethyl)ether	0.0400	0.02949		mg/L		74	43 - 126
bis (2-chloroisopropyl) ether	0.0400	0.03313		mg/L		83	63 - 139
Bis(2-ethylhexyl) phthalate	0.0400	0.03700		mg/L		93	29 - 137
Chrysene	0.0400	0.03946		mg/L		99	44 - 140
Dibenz(a,h)anthracene	0.0400	0.03968		mg/L		99	16 - 200
Dibenzofuran	0.0400	0.03329		mg/L		83	52 - 125
Diethyl phthalate	0.0400	0.03840		mg/L		96	17 - 120
Dimethyl phthalate	0.0400	0.03590		mg/L		90	25 - 120
Di-n-butyl phthalate	0.0400	0.03763		mg/L		94	8 - 120
Di-n-octyl phthalate	0.0400	0.04541		mg/L		114	19 - 132
Fluoranthene	0.0400	0.04160		mg/L		104	43 - 121
Fluorene	0.0400	0.03426		mg/L		86	70 - 120
Hexachlorobenzene	0.0400	0.03671		mg/L		92	8 - 142
Hexachlorobutadiene	0.0400	0.02320		mg/L		58	38 - 120
Hexachlorocyclopentadiene	0.0400	0.02795		mg/L		70	41 - 125
Hexachloroethane	0.0400	0.02394		mg/L		60	55 - 120
Indeno[1,2,3-cd]pyrene	0.0400	0.04023		mg/L		101	13 - 151
Isophorone	0.0400	0.03180		mg/L		79	47 - 180
Naphthalene	0.0400	0.02590		mg/L		65	36 - 120
Nitrobenzene	0.0400	0.03016		mg/L		75	54 - 158
N-Nitrosodi-n-propylamine	0.0400	0.03439		mg/L		86	14 - 198
N-Nitrosodiphenylamine	0.0400	0.03743		mg/L		94	2 - 196
Pentachlorophenol	0.0400	0.03947		mg/L		99	38 - 152
Phenanthrene	0.0400	0.03709		mg/L		93	65 - 120
Phenol	0.0400	0.01894		mg/L		47	17 - 120
Pyrene	0.0400	0.03965		mg/L		99	70 - 120
Pyridine	0.0800	0.02879		mg/L		36	5 - 94

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	103		31 - 132
2-Fluorobiphenyl (Surr)	79		29 - 112
2-Fluorophenol (Surr)	51		28 - 114
Nitrobenzene-d5 (Surr)	77		15 - 314
p-Terphenyl-d14 (Surr)	102		20 - 141
Phenol-d5 (Surr)	41		8 - 424

Lab Sample ID: LCSD 860-124109/3-A

Matrix: Water

Analysis Batch: 124184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124109

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	0.0400	0.02542		mg/L		64	57 - 130	5	30
1,2-Dichlorobenzene	0.0400	0.02947		mg/L		74	60 - 140	15	30
1,3-Dichlorobenzene	0.0400	0.02787		mg/L		70	60 - 140	14	30
1,4-Dichlorobenzene	0.0400	0.02758		mg/L		69	19 - 121	10	30
2,4,5-Trichlorophenol	0.0400	0.04059		mg/L		101	35 - 111	14	30
2,4,6-Trichlorophenol	0.0400	0.04005		mg/L		100	52 - 129	16	30

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: LCSD 860-124109/3-A

Matrix: Water

Analysis Batch: 124184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124109

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dichlorophenol	0.0400	0.02981		mg/L		75	52 - 122	4	30
2,4-Dimethylphenol	0.0400	0.03129		mg/L		78	42 - 120	5	30
2,4-Dinitrophenol	0.0400	0.04343		mg/L		109	12 - 173	15	30
2,4-Dinitrotoluene	0.0400	0.04167		mg/L		104	48 - 127	14	25
2,6-Dinitrotoluene	0.0400	0.04517		mg/L		113	68 - 137	15	29
2-Chloronaphthalene	0.0400	0.03495		mg/L		87	65 - 120	15	15
2-Chlorophenol	0.0400	0.03275		mg/L		82	36 - 120	14	30
2-Methylnaphthalene	0.0400	0.02957		mg/L		74	25 - 175	5	30
2-Methylphenol	0.0400	0.03140		mg/L		79	14 - 176	14	30
2-Nitroaniline	0.0400	0.04916	*+	mg/L		123	34 - 121	19	30
2-Nitrophenol	0.0400	0.03343		mg/L		84	45 - 167	9	30
3 & 4 Methylphenol	0.0400	0.02919		mg/L		73	14 - 176	4	30
3,3'-Dichlorobenzidine	0.0400	0.04008		mg/L		100	18 - 213	4	30
3-Nitroaniline	0.0400	0.04183		mg/L		105	65 - 135	13	30
4,6-Dinitro-2-methylphenol	0.0400	0.04300		mg/L		107	53 - 130	5	30
4-Bromophenyl phenyl ether	0.0400	0.03797		mg/L		95	65 - 120	6	26
4-Chloro-3-methylphenol	0.0400	0.03367		mg/L		84	41 - 128	2	30
4-Chlorophenyl phenyl ether	0.0400	0.03845		mg/L		96	38 - 145	15	30
4-Nitroaniline	0.0400	0.04334		mg/L		108	65 - 135	9	30
4-Nitrophenol	0.0400	0.02851		mg/L		71	13 - 129	8	30
Acenaphthene	0.0400	0.03652		mg/L		91	60 - 132	11	29
Acenaphthylene	0.0400	0.03887		mg/L		97	54 - 126	11	30
Aniline (Phenylamine, Aminobenzene)	0.0400	0.02599		mg/L		65	5 - 115	9	30
Anthracene	0.0400	0.04134		mg/L		103	43 - 120	6	30
Benzo[a]anthracene	0.0400	0.03974		mg/L		99	42 - 133	3	30
Benzo[a]pyrene	0.0400	0.04156		mg/L		104	32 - 148	5	30
Benzo[b]fluoranthene	0.0400	0.04157		mg/L		104	42 - 140	1	30
Benzo[g,h,i]perylene	0.0400	0.04165		mg/L		104	13 - 195	3	30
Benzo[k]fluoranthene	0.0400	0.04021		mg/L		101	25 - 146	5	30
Benzoic acid	0.120	0.08911		mg/L		74	30 - 115	5	30
Butyl benzyl phthalate	0.0400	0.03921		mg/L		98	12 - 140	4	30
Bis(2-chloroethoxy)methane	0.0400	0.03291		mg/L		82	49 - 165	9	30
Bis(2-chloroethyl)ether	0.0400	0.03496		mg/L		87	43 - 126	17	30
bis (2-chloroisopropyl) ether	0.0400	0.03717		mg/L		93	63 - 139	11	30
Bis(2-ethylhexyl) phthalate	0.0400	0.03904		mg/L		98	29 - 137	5	30
Chrysene	0.0400	0.04074		mg/L		102	44 - 140	3	30
Dibenz(a,h)anthracene	0.0400	0.04174		mg/L		104	16 - 200	5	30
Dibenzofuran	0.0400	0.03694		mg/L		92	52 - 125	10	30
Diethyl phthalate	0.0400	0.04364		mg/L		109	17 - 120	13	30
Dimethyl phthalate	0.0400	0.04154		mg/L		104	25 - 120	15	30
Di-n-butyl phthalate	0.0400	0.04096		mg/L		102	8 - 120	8	28
Di-n-octyl phthalate	0.0400	0.04872		mg/L		122	19 - 132	7	30
Fluoranthene	0.0400	0.04434		mg/L		111	43 - 121	6	30
Fluorene	0.0400	0.03933		mg/L		98	70 - 120	14	23
Hexachlorobenzene	0.0400	0.03800		mg/L		95	8 - 142	3	30
Hexachlorobutadiene	0.0400	0.02475		mg/L		62	38 - 120	6	30
Hexachlorocyclopentadiene	0.0400	0.03460		mg/L		87	41 - 125	21	30
Hexachloroethane	0.0400	0.02824		mg/L		71	55 - 120	16	30

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: LCSD 860-124109/3-A

Matrix: Water

Analysis Batch: 124184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124109

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	0.0400	0.04148		mg/L		104	13 - 151	3	30
Isophorone	0.0400	0.03501		mg/L		88	47 - 180	10	30
Naphthalene	0.0400	0.02734		mg/L		68	36 - 120	5	30
Nitrobenzene	0.0400	0.03337		mg/L		83	54 - 158	10	30
N-Nitrosodi-n-propylamine	0.0400	0.04000		mg/L		100	14 - 198	15	30
N-Nitrosodiphenylamine	0.0400	0.04048		mg/L		101	2 - 196	8	30
Pentachlorophenol	0.0400	0.04067		mg/L		102	38 - 152	3	30
Phenanthrene	0.0400	0.03889		mg/L		97	65 - 120	5	30
Phenol	0.0400	0.02021		mg/L		51	17 - 120	7	30
Pyrene	0.0400	0.04171		mg/L		104	70 - 120	5	30
Pyridine	0.0800	0.02767		mg/L		35	5 - 94	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	111		31 - 132
2-Fluorobiphenyl (Surr)	92		29 - 112
2-Fluorophenol (Surr)	59		28 - 114
Nitrobenzene-d5 (Surr)	85		15 - 314
p-Terphenyl-d14 (Surr)	106		20 - 141
Phenol-d5 (Surr)	45		8 - 424

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC)

Lab Sample ID: MB 860-123848/1-A

Matrix: Water

Analysis Batch: 123981

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 123848

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 09:52	1
PCB-1221	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 09:52	1
PCB-1232	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 09:52	1
PCB-1242	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 09:52	1
PCB-1248	<0.0000125	U	0.000100	0.0000125	mg/L		09/28/23 08:34	09/29/23 09:52	1
PCB-1254	<0.00000780	U	0.000100	0.0000078	mg/L		09/28/23 08:34	09/29/23 09:52	1
PCB-1260	<0.00000780	U	0.000100	0.0000078	mg/L		09/28/23 08:34	09/29/23 09:52	1
Polychlorinated biphenyls, Total	<0.000100	U	0.000100	0.000100	mg/L		09/28/23 08:34	09/29/23 09:52	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
%Recovery	Qualifier								
Tetrachloro-m-xylene (Surr)	97		18 - 126				09/28/23 08:34	09/29/23 09:52	1
DCB Decachlorobiphenyl (Surr)	83		15 - 136				09/28/23 08:34	09/29/23 09:52	1

Lab Sample ID: LCS 860-123848/4-A

Matrix: Water

Analysis Batch: 123981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 123848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.00100	0.001007		mg/L		101	61 - 103
PCB-1260	0.00100	0.001031		mg/L		103	37 - 130

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 608.3 - Polychlorinated Biphenyls (PCBs) (GC) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	109		18 - 126
DCB Decachlorobiphenyl (Surr)	140	S1+	15 - 136

Lab Sample ID: LCSD 860-123848/5-A
Matrix: Water
Analysis Batch: 123981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 123848

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
PCB-1016	0.00100	0.001000	p	mg/L		100	61 - 103	1	24
PCB-1260	0.00100	0.001053		mg/L		105	37 - 130	2	28

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	109		18 - 126
DCB Decachlorobiphenyl (Surr)	128		15 - 136

Method: 615 - Herbicides (GC)

Lab Sample ID: MB 860-124099/1-A
Matrix: Water
Analysis Batch: 124287

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 124099

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000444	U	0.000200	0.0000444	mg/L		09/28/23 10:31	10/02/23 15:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		45 - 150	09/28/23 10:31	10/02/23 15:48	1

Lab Sample ID: LCS 860-124099/2-A
Matrix: Water
Analysis Batch: 124287

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 124099

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pentachlorophenol	0.00201	0.001307		mg/L		65	50 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	155	S1+	45 - 150

Lab Sample ID: LCSD 860-124099/3-A
Matrix: Water
Analysis Batch: 124287

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 124099

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Pentachlorophenol	0.00201	0.0008565	*- *1	mg/L		43	50 - 135	42	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid	105		45 - 150

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 615 - Herbicides (GC) (Continued)

Lab Sample ID: MB 860-124878/1-A

Matrix: Water

Analysis Batch: 125367

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124878

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.0000445	U	0.000201	0.0000445	mg/L		10/04/23 19:03	10/09/23 17:29	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	157	S1+	45 - 150				10/04/23 19:03	10/09/23 17:29	1

Lab Sample ID: LCS 860-124878/2-A

Matrix: Water

Analysis Batch: 125367

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124878

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Pentachlorophenol	0.00204	0.001860		mg/L		91	50 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	114		45 - 150				

Lab Sample ID: LCSD 860-124878/3-A

Matrix: Water

Analysis Batch: 125367

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124878

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pentachlorophenol	0.00204	0.001874		mg/L		92	50 - 135	1	25
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
2,4-Dichlorophenylacetic acid	115		45 - 150						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-124441/11

Matrix: Water

Analysis Batch: 124441

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.0711	U	0.500	0.0711	mg/L			10/02/23 16:40	1
Chloride	<0.250	U	0.500	0.250	mg/L			10/02/23 16:40	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/02/23 16:40	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/02/23 16:40	1

Lab Sample ID: MB 860-124441/179

Matrix: Water

Analysis Batch: 124441

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<0.0711	U	0.500	0.0711	mg/L			10/02/23 22:04	1
Chloride	<0.250	U	0.500	0.250	mg/L			10/02/23 22:04	1
Fluoride	<0.100	U	0.500	0.100	mg/L			10/02/23 22:04	1
Sulfate	<0.200	U	0.500	0.200	mg/L			10/02/23 22:04	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 860-124441/12

Matrix: Water

Analysis Batch: 124441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	10.43		mg/L		104	90 - 110
Chloride	10.0	10.59		mg/L		106	90 - 110
Fluoride	10.0	10.53		mg/L		105	90 - 110
Sulfate	10.0	11.04		mg/L		110	90 - 110

Lab Sample ID: LCS 860-124441/180

Matrix: Water

Analysis Batch: 124441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	10.0	10.49		mg/L		105	90 - 110
Chloride	10.0	10.57		mg/L		106	90 - 110
Fluoride	10.0	10.50		mg/L		105	90 - 110
Sulfate	10.0	10.74		mg/L		107	90 - 110

Lab Sample ID: LCSD 860-124441/181

Matrix: Water

Analysis Batch: 124441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	10.34		mg/L		103	90 - 110	1	20
Chloride	10.0	10.56		mg/L		106	90 - 110	0	20
Fluoride	10.0	10.50		mg/L		105	90 - 110	0	20
Sulfate	10.0	10.74		mg/L		107	90 - 110	0	20

Lab Sample ID: LCSD 860-124441/4

Matrix: Water

Analysis Batch: 124441

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromide	10.0	10.39		mg/L		104	90 - 110	0	20
Chloride	10.0	10.55		mg/L		106	90 - 110	0	20
Fluoride	10.0	10.62		mg/L		106	90 - 110	1	20
Sulfate	10.0	11.00		mg/L		110	90 - 110	0	20

Lab Sample ID: LLCS 860-124441/5

Matrix: Water

Analysis Batch: 124441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	0.500	0.6474		mg/L		129	50 - 150
Chloride	0.500	0.5778		mg/L		116	50 - 150
Fluoride	0.500	0.5371		mg/L		107	50 - 150
Sulfate	0.500	0.5810		mg/L		116	50 - 150

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-124360/1-A

Matrix: Water

Analysis Batch: 124610

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0173	U	0.0500	0.0173	mg/L		10/02/23 11:30	10/03/23 12:57	1
Iron	<0.0185	U	0.200	0.0185	mg/L		10/02/23 11:30	10/03/23 12:57	1
Magnesium	<0.0428	U	0.200	0.0428	mg/L		10/02/23 11:30	10/03/23 12:57	1
Molybdenum	<0.00261	U	0.0100	0.00261	mg/L		10/02/23 11:30	10/03/23 12:57	1
Tin	<0.00668	U	0.0200	0.00668	mg/L		10/02/23 11:30	10/03/23 12:57	1

Lab Sample ID: LCS 860-124360/2-A

Matrix: Water

Analysis Batch: 124610

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.9960		mg/L		100	85 - 115
Iron	5.00	4.890		mg/L		98	85 - 115
Magnesium	25.0	23.40		mg/L		94	85 - 115
Molybdenum	1.00	0.9990		mg/L		100	85 - 115
Tin	1.00	0.9850		mg/L		99	85 - 115

Lab Sample ID: LCSD 860-124360/3-A

Matrix: Water

Analysis Batch: 124610

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 124360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	1.05	0.9960		mg/L		95	85 - 115	0	20
Iron	5.20	4.900		mg/L		94	85 - 115	0	20
Magnesium	25.2	23.40		mg/L		93	85 - 115	0	20
Molybdenum	1.01	1.000		mg/L		99	85 - 115	0	20
Tin	1.02	0.9870		mg/L		97	85 - 115	0	20

Lab Sample ID: LLCS 860-124360/4-A

Matrix: Water

Analysis Batch: 124610

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124360

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.0500	0.05600		mg/L		112	50 - 150
Iron	0.200	0.2090		mg/L		105	50 - 150
Magnesium	0.200	0.2170		mg/L		109	50 - 150
Molybdenum	0.0100	0.009870	J	mg/L		99	50 - 150
Tin	0.0200	0.02270		mg/L		114	50 - 150

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-124359/1-A

Matrix: Water

Analysis Batch: 124463

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00301	U	0.0200	0.00301	mg/L		10/02/23 11:30	10/02/23 16:22	1
Arsenic	<0.000341	U	0.00400	0.000341	mg/L		10/02/23 11:30	10/02/23 16:22	1
Barium	<0.000289	U	0.00400	0.000289	mg/L		10/02/23 11:30	10/02/23 16:22	1
Beryllium	<0.000148	U	0.00200	0.000148	mg/L		10/02/23 11:30	10/02/23 16:22	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: MB 860-124359/1-A

Matrix: Water

Analysis Batch: 124463

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.0000850	U	0.00200	0.0000850	mg/L		10/02/23 11:30	10/02/23 16:22	1
Chromium	<0.000325	U	0.00400	0.000325	mg/L		10/02/23 11:30	10/02/23 16:22	1
Cobalt	<0.000131	U	0.00200	0.000131	mg/L		10/02/23 11:30	10/02/23 16:22	1
Copper	<0.000690	U	0.00400	0.000690	mg/L		10/02/23 11:30	10/02/23 16:22	1
Lead	<0.000140	U	0.00200	0.000140	mg/L		10/02/23 11:30	10/02/23 16:22	1
Manganese	<0.000160	U	0.00200	0.000160	mg/L		10/02/23 11:30	10/02/23 16:22	1
Nickel	<0.000486	U	0.00200	0.000486	mg/L		10/02/23 11:30	10/02/23 16:22	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		10/02/23 11:30	10/02/23 16:22	1
Thallium	<0.0000960	U	0.00200	0.0000960	mg/L		10/02/23 11:30	10/02/23 16:22	1
Zinc	<0.000885	U	0.00400	0.000885	mg/L		10/02/23 11:30	10/02/23 16:22	1

Lab Sample ID: MB 860-124359/1-A

Matrix: Water

Analysis Batch: 124458

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 124359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00105	U	0.00200	0.00105	mg/L		10/02/23 11:30	10/02/23 21:03	1
Silver	<0.000118	U	0.00200	0.000118	mg/L		10/02/23 11:30	10/02/23 21:03	1
Titanium	<0.000419	U	0.00400	0.000419	mg/L		10/02/23 11:30	10/02/23 21:03	1

Lab Sample ID: LCS 860-124359/2-A

Matrix: Water

Analysis Batch: 124463

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4649		mg/L		93	85 - 115
Arsenic	0.100	0.09211		mg/L		92	85 - 115
Barium	0.100	0.09042		mg/L		90	85 - 115
Beryllium	0.100	0.08843		mg/L		88	85 - 115
Cadmium	0.100	0.09291		mg/L		93	85 - 115
Chromium	0.100	0.09297		mg/L		93	85 - 115
Cobalt	0.100	0.09000		mg/L		90	85 - 115
Copper	0.100	0.09109		mg/L		91	85 - 115
Lead	0.100	0.09106		mg/L		91	85 - 115
Manganese	0.100	0.09345		mg/L		93	85 - 115
Nickel	0.100	0.09153		mg/L		92	85 - 115
Selenium	0.100	0.09219		mg/L		92	85 - 115
Thallium	0.100	0.09093		mg/L		91	85 - 115
Zinc	0.100	0.09235		mg/L		92	85 - 115

Lab Sample ID: LCS 860-124359/2-A

Matrix: Water

Analysis Batch: 124458

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 124359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.100	0.09448		mg/L		94	85 - 115
Silver	0.0500	0.04770		mg/L		95	85 - 115
Titanium	0.100	0.09925		mg/L		99	85 - 115

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: LCSD 860-124359/3-A
Matrix: Water
Analysis Batch: 124463

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 124359

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4684		mg/L		94	85 - 115	1	20
Arsenic	0.100	0.09182		mg/L		92	85 - 115	0	20
Barium	0.100	0.09363		mg/L		94	85 - 115	3	20
Beryllium	0.100	0.09252		mg/L		93	85 - 115	5	20
Cadmium	0.100	0.08941		mg/L		89	85 - 115	4	20
Chromium	0.100	0.09530		mg/L		95	85 - 115	2	20
Cobalt	0.100	0.09163		mg/L		92	85 - 115	2	20
Copper	0.100	0.09032		mg/L		90	85 - 115	1	20
Lead	0.100	0.09137		mg/L		91	85 - 115	0	20
Manganese	0.100	0.09490		mg/L		95	85 - 115	2	20
Nickel	0.100	0.09234		mg/L		92	85 - 115	1	20
Selenium	0.100	0.09176		mg/L		92	85 - 115	0	20
Thallium	0.100	0.09100		mg/L		91	85 - 115	0	20
Zinc	0.100	0.09182		mg/L		92	85 - 115	1	20

Lab Sample ID: LCSD 860-124359/3-A
Matrix: Water
Analysis Batch: 124458

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 124359

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.100	0.09675		mg/L		97	85 - 115	2	20
Silver	0.0500	0.04808		mg/L		96	85 - 115	1	20
Titanium	0.100	0.1000		mg/L		100	85 - 115	1	20

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 860-124122/16
Matrix: Water
Analysis Batch: 124122

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.0510	U	0.100	0.0510	mg/L			09/28/23 21:30	1

Lab Sample ID: MB 860-124122/95
Matrix: Water
Analysis Batch: 124122

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	<0.0510	U	0.100	0.0510	mg/L			09/29/23 01:14	1

Lab Sample ID: LCS 860-124122/96
Matrix: Water
Analysis Batch: 124122

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.9098		mg/L		91	90 - 110

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 860-124122/97

Matrix: Water

Analysis Batch: 124122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	1.00	0.9514		mg/L		95	90 - 110	4	20

Lab Sample ID: LLCS 860-124122/19

Matrix: Water

Analysis Batch: 124122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Ammonia	0.100	0.09150	J	mg/L		92	50 - 150		

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 860-124785/42-A

Matrix: Water

Analysis Batch: 124855

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124785

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<3.56	U	8.00	3.56	mg/L		10/04/23 10:57	10/04/23 16:27	1

Lab Sample ID: MB 860-124785/4-A

Matrix: Water

Analysis Batch: 124835

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124785

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Kjeldahl	<0.0890	U	0.200	0.0890	mg/L		10/04/23 10:55	10/04/23 13:04	1

Lab Sample ID: LCS 860-124785/43-A

Matrix: Water

Analysis Batch: 124855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124785

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrogen, Kjeldahl	80.0	80.88		mg/L		101	90 - 110		

Lab Sample ID: LCS 860-124785/6-A

Matrix: Water

Analysis Batch: 124835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124785

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrogen, Kjeldahl	2.00	2.052		mg/L		103	90 - 110		

Lab Sample ID: LCSD 860-124785/44-A

Matrix: Water

Analysis Batch: 124855

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124785

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	80.0	80.10		mg/L		100	90 - 110	1	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCSD 860-124785/7-A

Matrix: Water

Analysis Batch: 124835

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124785

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	2.00	2.005		mg/L		100	90 - 110	2	20

Lab Sample ID: LLCS 860-124785/5-A

Matrix: Water

Analysis Batch: 124835

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124785

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Kjeldahl	0.200	0.2110		mg/L		106	50 - 150		

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 860-124197/41

Matrix: Water

Analysis Batch: 124197

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	<0.0500	U	0.100	0.0500	mg/L			09/29/23 13:47	1

Lab Sample ID: LCS 860-124197/42

Matrix: Water

Analysis Batch: 124197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	0.9221		mg/L		92	90 - 110		

Lab Sample ID: LCSD 860-124197/43

Matrix: Water

Analysis Batch: 124197

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	1.00	0.9167		mg/L		92	90 - 110	1	20

Lab Sample ID: 870-21055-1 MS

Matrix: Water

Analysis Batch: 124197

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	<0.0500	U F1	1.00	0.2672	F1	mg/L		27	90 - 110		

Lab Sample ID: 870-21055-1 MSD

Matrix: Water

Analysis Batch: 124197

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	<0.0500	U F1	1.00	0.2813	F1	mg/L		28	90 - 110	5	20

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 860-124652/31-A

Matrix: Water

Analysis Batch: 125096

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 124652

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	<0.00959	U	0.0200	0.00959	mg/L		10/03/23 16:59	10/05/23 17:08	1

Lab Sample ID: LCS 860-124652/32-A

Matrix: Water

Analysis Batch: 125096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 124652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.2550		mg/L		102	90 - 110

Lab Sample ID: LCSD 860-124652/33-A

Matrix: Water

Analysis Batch: 125096

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 124652

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Phosphorus as P	0.250	0.2500		mg/L		100	90 - 110	2	20

Method: 8000 - COD

Lab Sample ID: MB 860-124453/3

Matrix: Water

Analysis Batch: 124453

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	<3.36	U	20.0	3.36	mg/L			10/02/23 18:47	1

Lab Sample ID: LCS 860-124453/4

Matrix: Water

Analysis Batch: 124453

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chemical Oxygen Demand	100	107.0		mg/L		107	90 - 110

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 860-123788/3

Matrix: Water

Analysis Batch: 123788

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Color, Apparent	<5.00	U	5.00	5.00	Color Units			09/27/23 18:30	1
Color, True	<5.00	U	5.00	5.00	Color Units			09/27/23 18:30	1
pH	NA		0.100	0.100	S.U.			09/27/23 18:30	1

Lab Sample ID: 870-21055-1 DU

Matrix: Water

Analysis Batch: 123788

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Color, Apparent	10.0		10.00		Color Units		0	20
Color, True	5.00		5.000		Color Units		0	25

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: SM 2120B - Color, Colorimetric (Continued)

Lab Sample ID: 870-21055-1 DU

Matrix: Water

Analysis Batch: 123788

Client Sample ID: 5000 Tank

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.72		8.720		S.U.		0	25

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-123747/3

Matrix: Water

Analysis Batch: 123747

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.00	U	4.00	4.00	mg/L			09/27/23 10:59	1

Lab Sample ID: LCS 860-123747/4

Matrix: Water

Analysis Batch: 123747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	250	253.5		mg/L		101	85 - 115

Lab Sample ID: LCSD 860-123747/5

Matrix: Water

Analysis Batch: 123747

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity	250	256.2		mg/L		102	85 - 115	1	20

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

Lab Sample ID: MB 870-15459/1

Matrix: Water

Analysis Batch: 15459

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<2.50	U	2.50	2.50	mg/L			09/28/23 13:55	1

Lab Sample ID: LCS 870-15459/2

Matrix: Water

Analysis Batch: 15459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1022		mg/L		102	80 - 120

Lab Sample ID: LCSD 870-15459/3

Matrix: Water

Analysis Batch: 15459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	1000	1015		mg/L		102	80 - 120	1	10

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: MB 870-15460/1

Matrix: Water

Analysis Batch: 15460

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<2.50	U	2.50	2.50	mg/L			09/28/23 14:03	1

Lab Sample ID: LCS 870-15460/2

Matrix: Water

Analysis Batch: 15460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	100	92.00		mg/L		92	80 - 120

Lab Sample ID: LCSD 870-15460/3

Matrix: Water

Analysis Batch: 15460

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Suspended Solids	100	97.00		mg/L		97	80 - 120	5	10

Method: SM 3500 CR B - Chromium, Hexavalent

Lab Sample ID: MB 870-15421/9

Matrix: Water

Analysis Batch: 15421

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	<0.00280	U	0.0100	0.00280	mg/L			09/26/23 16:13	1

Lab Sample ID: LCS 870-15421/10

Matrix: Water

Analysis Batch: 15421

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.499	0.5194		mg/L		104	80 - 120

Lab Sample ID: LCSD 870-15421/11

Matrix: Water

Analysis Batch: 15421

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	0.499	0.5207		mg/L		104	80 - 120	0	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 860-123969/1

Matrix: Water

Analysis Batch: 123969

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<2.00	U	5.00	2.00	mg/L			09/28/23 16:08	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: LCS 860-123969/2
Matrix: Water
Analysis Batch: 123969

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	50.0	47.20		mg/L		94	80 - 120

Lab Sample ID: LCSD 860-123969/3
Matrix: Water
Analysis Batch: 123969

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	50.0	47.20		mg/L		94	80 - 120	0	20

Method: SM 4500 SO3 B - Sulfite

Lab Sample ID: MB 860-124542/1
Matrix: Water
Analysis Batch: 124542

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfite	<5.00	U	5.00	5.00	mg/L			10/03/23 10:35	1

Lab Sample ID: LCS 860-124542/2
Matrix: Water
Analysis Batch: 124542

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfite	10.0	9.000		mg/L		90	80 - 120

Lab Sample ID: LCSD 860-124542/3
Matrix: Water
Analysis Batch: 124542

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfite	10.0	9.000		mg/L		90	80 - 120	0	20

Lab Sample ID: 870-21055-1 DU
Matrix: Water
Analysis Batch: 124542

Client Sample ID: 5000 Tank
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	Prepared	Analyzed	Dil Fac
Sulfite	<5.00	U HF	<5.00	U	mg/L				
								NC	20

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 870-15515/2
Matrix: Water
Analysis Batch: 15515

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.8100		0.0000020	0.0000020	mg/L			09/27/23 10:03	1
			0	0					

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

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

Lab Sample ID: USB 870-15515/1

Matrix: Water

Analysis Batch: 15515

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<0.00000200	U	0.00000200	0.00000200	mg/L			09/27/23 09:59	1

Lab Sample ID: LCS 870-15515/3

Matrix: Water

Analysis Batch: 15515

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	198	192.0		mg/L		97	85 - 115

Method: SM 5310C - TOC

Lab Sample ID: MB 860-125284/10

Matrix: Water

Analysis Batch: 125284

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	<0.500	U	1.00	0.500	mg/L			10/06/23 06:16	1

Lab Sample ID: LCS 860-125284/43

Matrix: Water

Analysis Batch: 125284

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	5.00	4.708		mg/L		94	90 - 110

Lab Sample ID: LCSD 860-125284/44

Matrix: Water

Analysis Batch: 125284

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	5.00	4.645		mg/L		93	90 - 110	1	15

Lab Sample ID: LLCS 860-125284/45

Matrix: Water

Analysis Batch: 125284

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	1.00	0.7696	J	mg/L		77	50 - 150

Lab Sample ID: MB 860-125648/5

Matrix: Water

Analysis Batch: 125648

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.548	U	1.00	0.548	mg/L			10/09/23 15:48	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: SM 5310C - TOC (Continued)

Lab Sample ID: LCS 860-125648/6

Matrix: Water

Analysis Batch: 125648

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	5.00	4.964		mg/L		99	90 - 110

Lab Sample ID: LCSD 860-125648/7

Matrix: Water

Analysis Batch: 125648

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	5.00	5.446		mg/L		109	90 - 110	9	15

Lab Sample ID: LLCS 860-125648/8

Matrix: Water

Analysis Batch: 125648

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	1.25	1.585		mg/L		127	50 - 150

Lab Sample ID: MB 860-125663/1-A

Matrix: Water

Analysis Batch: 125647

Client Sample ID: Method Blank

Prep Type: Dissolved

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Organic Carbon	<0.548	U	1.00	0.548	mg/L			10/10/23 06:19	1

Lab Sample ID: LCS 860-125663/2-A

Matrix: Water

Analysis Batch: 125647

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dissolved Organic Carbon	5.00	4.841		mg/L		97	90 - 110

Lab Sample ID: LCSD 860-125663/3-A

Matrix: Water

Analysis Batch: 125647

Client Sample ID: Lab Control Sample Dup

Prep Type: Dissolved

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dissolved Organic Carbon	5.00	5.262		mg/L		105	90 - 110	8	15

Method: SM5210B CBOD - Carbonaceous BOD, 5 Day

Lab Sample ID: SCB 870-15520/2

Matrix: Water

Analysis Batch: 15520

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	0.6330		0.0000020 0	0.0000020 0	mg/L			09/27/23 11:08	1

Eurofins Dallas

QC Sample Results

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Method: SM5210B CBOD - Carbonaceous BOD, 5 Day (Continued)

Lab Sample ID: USB 870-15520/1

Matrix: Water

Analysis Batch: 15520

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	<0.00000200	U	0.00000200	0.00000200	mg/L			09/27/23 11:04	1

Lab Sample ID: LCS 870-15520/3

Matrix: Water

Analysis Batch: 15520

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbonaceous Biochemical Oxygen Demand	170	178.3		mg/L		105	85 - 125

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

GC/MS VOA

Analysis Batch: 15408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	624.1	
MB 870-15408/14	Method Blank	Total/NA	Water	624.1	
LCS 870-15408/12	Lab Control Sample	Total/NA	Water	624.1	
LCSD 870-15408/13	Lab Control Sample Dup	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 124109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	625	
MB 860-124109/1-A	Method Blank	Total/NA	Water	625	
LCS 860-124109/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-124109/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 124184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	625.1	124109
MB 860-124109/1-A	Method Blank	Total/NA	Water	625.1	124109
LCS 860-124109/2-A	Lab Control Sample	Total/NA	Water	625.1	124109
LCSD 860-124109/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	124109

GC Semi VOA

Prep Batch: 123848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	608	
MB 860-123848/1-A	Method Blank	Total/NA	Water	608	
LCS 860-123848/4-A	Lab Control Sample	Total/NA	Water	608	
LCSD 860-123848/5-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 123981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	608.3	123848
MB 860-123848/1-A	Method Blank	Total/NA	Water	608.3	123848
LCS 860-123848/4-A	Lab Control Sample	Total/NA	Water	608.3	123848
LCSD 860-123848/5-A	Lab Control Sample Dup	Total/NA	Water	608.3	123848

Prep Batch: 124099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	3511	
MB 860-124099/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-124099/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-124099/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 124287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	615	124099
MB 860-124099/1-A	Method Blank	Total/NA	Water	615	124099
LCS 860-124099/2-A	Lab Control Sample	Total/NA	Water	615	124099
LCSD 860-124099/3-A	Lab Control Sample Dup	Total/NA	Water	615	124099

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

GC Semi VOA

Prep Batch: 124878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	3511	
MB 860-124878/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-124878/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-124878/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 125367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	615	124878
MB 860-124878/1-A	Method Blank	Total/NA	Water	615	124878
LCS 860-124878/2-A	Lab Control Sample	Total/NA	Water	615	124878
LCSD 860-124878/3-A	Lab Control Sample Dup	Total/NA	Water	615	124878

HPLC/IC

Analysis Batch: 124441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	300.0	
MB 860-124441/11	Method Blank	Total/NA	Water	300.0	
MB 860-124441/179	Method Blank	Total/NA	Water	300.0	
LCS 860-124441/12	Lab Control Sample	Total/NA	Water	300.0	
LCS 860-124441/180	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-124441/181	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 860-124441/4	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-124441/5	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 124359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total Recoverable	Water	200.8	
MB 860-124359/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 860-124359/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 860-124359/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

Prep Batch: 124360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total Recoverable	Water	200.7	
MB 860-124360/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-124360/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-124360/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-124360/4-A	Lab Control Sample	Total Recoverable	Water	200.7	

Analysis Batch: 124458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total Recoverable	Water	200.8	124359
MB 860-124359/1-A	Method Blank	Total Recoverable	Water	200.8	124359
LCS 860-124359/2-A	Lab Control Sample	Total Recoverable	Water	200.8	124359
LCSD 860-124359/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	124359

Analysis Batch: 124463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total Recoverable	Water	200.8	124359

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Metals (Continued)

Analysis Batch: 124463 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-124359/1-A	Method Blank	Total Recoverable	Water	200.8	124359
LCS 860-124359/2-A	Lab Control Sample	Total Recoverable	Water	200.8	124359
LCSD 860-124359/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	124359

Analysis Batch: 124610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total Recoverable	Water	200.7 Rev 4.4	124360
MB 860-124360/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	124360
LCS 860-124360/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	124360
LCSD 860-124360/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	124360
LLCS 860-124360/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	124360

General Chemistry

Analysis Batch: 15421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 3500 CR B	
MB 870-15421/9	Method Blank	Total/NA	Water	SM 3500 CR B	
LCS 870-15421/10	Lab Control Sample	Total/NA	Water	SM 3500 CR B	
LCSD 870-15421/11	Lab Control Sample Dup	Total/NA	Water	SM 3500 CR B	

Analysis Batch: 15459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 2540C	
MB 870-15459/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 870-15459/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 870-15459/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	

Analysis Batch: 15460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 2540D	
MB 870-15460/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 870-15460/2	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 870-15460/3	Lab Control Sample Dup	Total/NA	Water	SM 2540D	

Analysis Batch: 15515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 5210B	
SCB 870-15515/2	Method Blank	Total/NA	Water	SM 5210B	
USB 870-15515/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 870-15515/3	Lab Control Sample	Total/NA	Water	SM 5210B	

Analysis Batch: 15520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM5210B CBOD	
SCB 870-15520/2	Method Blank	Total/NA	Water	SM5210B CBOD	
USB 870-15520/1	Method Blank	Total/NA	Water	SM5210B CBOD	
LCS 870-15520/3	Lab Control Sample	Total/NA	Water	SM5210B CBOD	

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

General Chemistry

Analysis Batch: 121993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	Total Nitrogen	

Analysis Batch: 123747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 2320B	
MB 860-123747/3	Method Blank	Total/NA	Water	SM 2320B	
LCS 860-123747/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 860-123747/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	

Analysis Batch: 123788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 2120B	
MB 860-123788/3	Method Blank	Total/NA	Water	SM 2120B	
LCS 860-123788/4	Lab Control Sample	Total/NA	Water	SM 2120B	
LCSD 860-123788/5	Lab Control Sample Dup	Total/NA	Water	SM 2120B	
870-21055-1 DU	5000 Tank	Total/NA	Water	SM 2120B	

Analysis Batch: 123969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 4500 S2 F	
MB 860-123969/1	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 860-123969/2	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
LCSD 860-123969/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 124122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	350.1	
MB 860-124122/16	Method Blank	Total/NA	Water	350.1	
MB 860-124122/95	Method Blank	Total/NA	Water	350.1	
LCS 860-124122/96	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-124122/97	Lab Control Sample Dup	Total/NA	Water	350.1	
LLCS 860-124122/19	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 124197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	353.2	
MB 860-124197/41	Method Blank	Total/NA	Water	353.2	
LCS 860-124197/42	Lab Control Sample	Total/NA	Water	353.2	
LCSD 860-124197/43	Lab Control Sample Dup	Total/NA	Water	353.2	
870-21055-1 MS	5000 Tank	Total/NA	Water	353.2	
870-21055-1 MSD	5000 Tank	Total/NA	Water	353.2	

Analysis Batch: 124453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	8000	
MB 860-124453/3	Method Blank	Total/NA	Water	8000	
LCS 860-124453/4	Lab Control Sample	Total/NA	Water	8000	

Analysis Batch: 124542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 4500 SO3 B	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

General Chemistry (Continued)

Analysis Batch: 124542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-124542/1	Method Blank	Total/NA	Water	SM 4500 SO3 B	
LCS 860-124542/2	Lab Control Sample	Total/NA	Water	SM 4500 SO3 B	
LCSD 860-124542/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 SO3 B	
870-21055-1 DU	5000 Tank	Total/NA	Water	SM 4500 SO3 B	

Prep Batch: 124652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	365.2/365.3/365	
MB 860-124652/31-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 860-124652/32-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	
LCSD 860-124652/33-A	Lab Control Sample Dup	Total/NA	Water	365.2/365.3/365	

Prep Batch: 124785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	351.2	
MB 860-124785/42-A	Method Blank	Total/NA	Water	351.2	
MB 860-124785/4-A	Method Blank	Total/NA	Water	351.2	
LCS 860-124785/43-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 860-124785/6-A	Lab Control Sample	Total/NA	Water	351.2	
LCSD 860-124785/44-A	Lab Control Sample Dup	Total/NA	Water	351.2	
LCSD 860-124785/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	
LLCS 860-124785/5-A	Lab Control Sample	Total/NA	Water	351.2	

Analysis Batch: 124835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-124785/4-A	Method Blank	Total/NA	Water	351.2	124785
LCS 860-124785/6-A	Lab Control Sample	Total/NA	Water	351.2	124785
LCSD 860-124785/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	124785
LLCS 860-124785/5-A	Lab Control Sample	Total/NA	Water	351.2	124785

Analysis Batch: 124855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	351.2	124785
MB 860-124785/42-A	Method Blank	Total/NA	Water	351.2	124785
LCS 860-124785/43-A	Lab Control Sample	Total/NA	Water	351.2	124785
LCSD 860-124785/44-A	Lab Control Sample Dup	Total/NA	Water	351.2	124785

Analysis Batch: 125096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	365.1	124652
MB 860-124652/31-A	Method Blank	Total/NA	Water	365.1	124652
LCS 860-124652/32-A	Lab Control Sample	Total/NA	Water	365.1	124652
LCSD 860-124652/33-A	Lab Control Sample Dup	Total/NA	Water	365.1	124652

Analysis Batch: 125284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Total/NA	Water	SM 5310C	
MB 860-125284/10	Method Blank	Total/NA	Water	SM 5310C	
LCS 860-125284/43	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 860-125284/44	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
LLCS 860-125284/45	Lab Control Sample	Total/NA	Water	SM 5310C	

Eurofins Dallas

QC Association Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

General Chemistry

Analysis Batch: 125647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Dissolved	Water	SM 5310C	125663
MB 860-125663/1-A	Method Blank	Dissolved	Water	SM 5310C	125663
LCS 860-125663/2-A	Lab Control Sample	Dissolved	Water	SM 5310C	125663
LCSD 860-125663/3-A	Lab Control Sample Dup	Dissolved	Water	SM 5310C	125663

Analysis Batch: 125648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-125648/5	Method Blank	Total/NA	Water	SM 5310C	
LCS 860-125648/6	Lab Control Sample	Total/NA	Water	SM 5310C	
LCSD 860-125648/7	Lab Control Sample Dup	Total/NA	Water	SM 5310C	
LLCS 860-125648/8	Lab Control Sample	Total/NA	Water	SM 5310C	

Filtration Batch: 125663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
870-21055-1	5000 Tank	Dissolved	Water	Filtration	
MB 860-125663/1-A	Method Blank	Dissolved	Water	Filtration	
LCS 860-125663/2-A	Lab Control Sample	Dissolved	Water	Filtration	
LCSD 860-125663/3-A	Lab Control Sample Dup	Dissolved	Water	Filtration	

Lab Chronicle

Client: Chem-Aqua, Inc.

Job ID: 870-21055-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Client Sample ID: 5000 Tank

Lab Sample ID: 870-21055-1

Date Collected: 09/26/23 13:00

Matrix: Water

Date Received: 09/26/23 14:43

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	5 mL	5 mL	15408	09/26/23 22:04	MC	EET DAL
Total/NA	Prep	625			1000 mL	1.0 mL	124109	09/29/23 11:02	MPC	EET HOU
Total/NA	Analysis	625.1		1	1 mL	1 mL	124184	09/29/23 23:46	PXS	EET HOU
Total/NA	Prep	608			1000 mL	1.00 mL	123848	09/28/23 08:34	DR	EET HOU
Total/NA	Analysis	608.3		1			123981	09/29/23 11:55	WP	EET HOU
Total/NA	Prep	3511			49.9 mL	4 mL	124099	09/28/23 10:31	JN	EET HOU
Total/NA	Analysis	615		1			124287	10/03/23 04:13	WP	EET HOU
Total/NA	Prep	3511			49.6 mL	4 mL	124878	10/04/23 19:03	JN	EET HOU
Total/NA	Analysis	615		1			125367	10/10/23 00:56	WP	EET HOU
Total/NA	Analysis	300.0		1			124441	10/02/23 19:27	RBNS	EET HOU
Total Recoverable	Prep	200.7			50 mL	50 mL	124360	10/02/23 11:30	MD	EET HOU
Total Recoverable	Analysis	200.7 Rev 4.4		1			124610	10/03/23 14:27	JDM	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	124359	10/02/23 11:30	MD	EET HOU
Total Recoverable	Analysis	200.8		1			124458	10/02/23 21:16	SHZ	EET HOU
Total Recoverable	Prep	200.8			50 mL	50 mL	124359	10/02/23 11:30	MD	EET HOU
Total Recoverable	Analysis	200.8		1			124463	10/02/23 17:17	SHZ	EET HOU
Total/NA	Analysis	350.1		1	10 mL	10 mL	124122	09/29/23 02:19	ADL	EET HOU
Total/NA	Prep	351.2			20 mL	20 mL	124785	10/04/23 10:57	CL	EET HOU
Total/NA	Analysis	351.2		1			124855	10/04/23 16:25	LD	EET HOU
Total/NA	Analysis	353.2		1	10 mL	10 mL	124197	09/29/23 13:51	LD	EET HOU
Total/NA	Prep	365.2/365.3/365			10 mL	10 mL	124652	10/03/23 16:59	CL	EET HOU
Total/NA	Analysis	365.1		12			125096	10/05/23 18:00	LD	EET HOU
Total/NA	Analysis	8000		1	2 mL	2 mL	124453	10/02/23 18:47	HN	EET HOU
Total/NA	Analysis	SM 2120B		1	50 mL	50 mL	123788	09/27/23 18:32	YG	EET HOU
Total/NA	Analysis	SM 2320B		1			123747	09/27/23 12:57	TL	EET HOU
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	15459	09/28/23 13:56	KNW	EET DAL
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	15460	09/28/23 14:03	KNW	EET DAL
Total/NA	Analysis	SM 3500 CR B		1	10 mL	10 mL	15421	09/26/23 16:13	CGG	EET DAL
Total/NA	Analysis	SM 4500 S2 F		1	200 mL	200 mL	123969	09/28/23 16:09	SCI	EET HOU
Total/NA	Analysis	SM 4500 SO3 B		1	50 mL	50 mL	124542	10/03/23 10:40	SCI	EET HOU
Total/NA	Analysis	SM 5210B		1	200 mL	300 mL	15515	09/27/23 10:52	CGG	EET DAL
Dissolved	Filtration	Filtration			50 mL	50 mL	125663	10/09/23 14:18	YG	EET HOU
Dissolved	Analysis	SM 5310C		1	40 mL	40 mL	125647	10/10/23 00:45	YG	EET HOU
Total/NA	Analysis	SM 5310C		2	40 mL	40 mL	125284	10/06/23 14:06	YG	EET HOU
Total/NA	Analysis	SM5210B CBOD		1	200 mL	300 mL	15520	09/27/23 11:25	CGG	EET DAL
Total/NA	Analysis	Total Nitrogen		1			121993	09/29/23 21:29	MC	EET HOU

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

Eurofins Dallas

Accreditation/Certification Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Laboratory: Eurofins Dallas

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
624.1		Water	Cyclohexane
624.1		Water	Vinyl acetate

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-53	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
608.3	608	Water	Polychlorinated biphenyls, Total
615	3511	Water	Pentachlorophenol
625.1	625	Water	2-Methylnaphthalene
625.1	625	Water	2-Nitroaniline
625.1	625	Water	3 & 4 Methylphenol
625.1	625	Water	3-Nitroaniline
625.1	625	Water	4-Nitroaniline
625.1	625	Water	Aniline (Phenylamine, Aminobenzene)
625.1	625	Water	Benzoic acid
625.1	625	Water	Dibenzofuran
SM 2120B		Water	pH
SM 4500 SO3 B		Water	Sulfite
SM 5310C		Water	Dissolved Organic Carbon
Total Nitrogen		Water	Nitrogen, Total

Method Summary

Client: Chem-Aqua, Inc.

Job ID: 870-21055-1

Project/Site: TCEQ Permit Renewal-Momentum Energy

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET DAL
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET HOU
615	Herbicides (GC)	EPA-01	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
200.7 Rev 4.4	Metals (ICP)	EPA	EET HOU
200.8	Metals (ICP/MS)	EPA	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
365.1	Phosphorus, Total	EPA	EET HOU
8000	COD	Hach	EET HOU
SM 2120B	Color, Colorimetric	SM	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET DAL
SM 2540D	Solids, Total Suspended (TSS)	SM	EET DAL
SM 3500 CR B	Chromium, Hexavalent	SM	EET DAL
SM 4500 S2 F	Sulfide, Total	SM	EET HOU
SM 4500 SO3 B	Sulfite	SM	EET HOU
SM 5210B	BOD, 5-Day	SM	EET DAL
SM 5310C	TOC	SM	EET HOU
SM5210B CBOD	Carbonaceous BOD, 5 Day	SM	EET DAL
Total Nitrogen	Nitrogen, Total	EPA	EET HOU
425.1	MBAS analyzed by ECM Laboratory	EPA	Envirodyne
200.7	Preparation, Total Recoverable Metals	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
365.2/365.3/365	Phosphorus, Total	EPA	EET HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU
Filtration	Sample Filtration	None	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992.

Hach = Hach Company

None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

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

Envirodyne = Envirodyne Laboratories, 11011 Brooklet Street Suite 230, Houston, TX 77099

Eurofins Dallas

Sample Summary

Client: Chem-Aqua, Inc.
Project/Site: TCEQ Permit Renewal-Momentum Energy

Job ID: 870-21055-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
870-21055-1	5000 Tank	Water	09/26/23 13:00	09/26/23 14:43

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

02 October 2023

Eurofins Houston
Anita Patel
11381 Meadowglen, Suite L
Houston, TX 77082

Eurofins

Enclosed are the results of analyses for samples received by the laboratory on 27-Sep-23 10:00. The analytical data provided relates only to the samples as received in this laboratory report.

ELI certifies that all results are NELAP compliant and performed in accordance with the referenced method except as noted in the Case Narrative or as noted with a qualifier. Any reproductions of this laboratory report should be in full and only with the written authorization from the client.

The total number of pages in this report is 5

Thank you for selecting ELI for your analytical needs. If you have any questions regarding this report, please contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie Peterson', is written over a horizontal line.

Julie Peterson
Client Services Representative



Certificate No: T104704265-22-20



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I3200

Reported:
02-Oct-23 07:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5000 Tank (870-21055-1)	23I3200-01	Water	26-Sep-23 13:00	27-Sep-23 10:00

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I3200

Reported:
02-Oct-23 07:19

5000 Tank (870-21055-1)
23I3200-01 (Water) Sampled: 26-Sep-23 13:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Analyst	Notes
---------	--------	--------------------	-------	----------	-------	----------	----------	--------	---------	-------

Envirodyne Laboratories, Inc.

Wet Chemistry

Surfactants	<0.10	0.10	mg/L	1	B315590	28-Sep-23	28-Sep-23 12:10	SM5540 C	CFH	
-------------	-------	------	------	---	---------	-----------	-----------------	----------	-----	--

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 23I3200

Reported:
02-Oct-23 07:19

Wet Chemistry - Quality Control
Envirodyne Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch B3I5590 - Inorganics									
Blank (B3I5590-BLK1)				Prepared & Analyzed: 28-Sep-23					
Surfactants	<0.10	0.10	mg/L						
LCS (B3I5590-BS1)				Prepared & Analyzed: 28-Sep-23					
Surfactants	0.910		mg/L	1.00		91.0	90-110		
Duplicate (B3I5590-DUP1)				Prepared & Analyzed: 28-Sep-23					
Surfactants	0.170	0.10	mg/L		0.170		0.00	20	

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative



Envirodyne Laboratories, Inc
11011 Brooklet Dr., # 230
Houston, TX 77099
281.568.7880 Phone
www.envirodyne.com

Client: Eurofins Houston
Project: Eurofins
Work Order: 2313200

Reported:
02-Oct-23 07:19

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
< Result is less than the RL
a Analyte not available for TNI/NELAP accreditation
n Not accredited

Envirodyne Laboratories, Inc.

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

Julie Peterson, Client Services Representative

[illegible]

[illegible]

(214) 902-0300
PLE RECEIPT

Y HINES BLVD

K 75220
STATES US

SHIP DATE: 26SEP23
RTG WGT: 5.00 LB
RAD: 110190004/INET4640

BUL SENDER

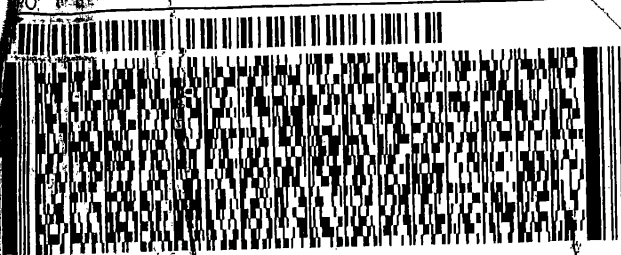
AMPLE RECEIVING
STAMERICA PENSACOLA
355 MCLEMORE DR

PENSACOLA FL 32514

50) 474 1001

REF:

DEPT:



WED - 27 SEP 10:30A
PRIORITY OVERNIGHT

35 4853 1841

H PNSA

32514
FL-US BFM



7735 4853 1841

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-21055-1

Login Number: 21055

List Number: 1

Creator: Dabinett, Ian

List Source: Eurofins Dallas

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Requested analyses are not listed on COC
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Chem-Aqua, Inc.

Job Number: 870-21055-1

Login Number: 21055

List Number: 2

Creator: Torrez, Lisandra

List Source: Eurofins Houston

List Creation: 09/27/23 09:29 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Safety Data Sheet: CHEM-AQUA 10600

Supersedes Date: 03/06/2017

Issuing Date: 03/29/2021

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CHEM-AQUA 10600
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA, INC
BOX 152170
IRVING, TEXAS 75015

Product Code: C803
Chemical nature Mixture of inorganic salts
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Purple Pink - Light orange

Physical state Liquid

Odor Pungent

GHS Classification

Physical Hazards

None

Health Hazard

Respiratory Sensitization

Category 1B

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements

P261 - Avoid breathing vapors or mists
P285 - In case of inadequate ventilation wear respiratory protection
P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
P342 + P311 - If experiencing respiratory symptoms, call a physician.
P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium sulfite	7757-83-7	5-10

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact

No hazards which require special first aid measures.

Skin Contact

No hazards which require special first aid measures.

Inhalation

Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial artificial respiration. Get medical attention immediately.

Ingestion

No hazards which require special first aid measures.

Notes to physician

Treat symptomatically. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash

Flammability Limits in Air %: Not applicable.

Method No data available

Upper: No data available

Lower: No data available

Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA Health 2

Flammability 0

Instability 0

HMIS - Health 2

Flammability 0

Physical Hazard 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up

Pick up and transfer to properly labeled containers.

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature

Minimum 40 °F / 4 °C

Maximum 120 °F / 49 °C

Storage Conditions

Indoor X

Outdoor

Heated

Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Liquid

Viscosity

Non viscous

Color

Purple Pink - Light orange

Odor

Pungent

Odor Threshold

Not applicable

Appearance

Transparent

pH

7.0

Specific Gravity

1.174

Evaporation Rate

0.49 (Butyl acetate=1)

Percent Volatile (Volume)

88.9

VOC Content (%)

0

VOC Content (g/L)

0

Vapor pressure

14.45 mmHg @ 70°F

Vapor Density

0.6 (Air = 1.0)

Solubility

Completely soluble

n-Octanol/Water Partition

No data available

Melting Point/Range

No data available

Decomposition Temperature

No data available

Boiling Point/Range

> 212 °F / > 100 °C

Flammability (solid, gas)

No data available

Flash Point

Does not flash

Method

No data available

Autoignition Temperature

No information available.

Flammability Limits in Air %:

Not applicable

Upper: No data available **Lower:** No data available

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

Keep away from open flames, hot surfaces, and sources of ignition, Protect from direct sunlight and extremes of temperatures. Strong oxidizing agents, Acids, Metal nitrates, Alkalis, Metals, Organic materials.

Incompatible Products

No data available

Decomposition Temperature

Carbon oxides, Sulfur oxides, Sodium oxides, Potassium

Hazardous Decomposition Products

Possibility of Hazardous Reactions

oxides, Nitrogen oxides (NO_x), Phosphorus compounds.
None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50
Gas No information available
Mist No information available
Vapor No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Skin contact, Skin Absorption, Ingestion.

Acute Effects:

Eyes Low hazard for usual industrial or commercial handling.
Skin Low hazard for usual industrial or commercial handling.
Inhalation May cause irritation of respiratory tract. May cause allergic respiratory reaction.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity May cause respiratory sensitization in some individuals.

Target Organ Effects: Immune system.

Aggravated Medical Conditions Respiratory disorders.

Component Information**Acute Toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Sodium sulfite 7757-83-7	= 5680 mg/kg (Rat)	no data available	> 22 mg/L (Rat) 1 h	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium sulfite 7757-83-7	No data available	Respiratory Sensitizer	No data available	No data available	Immune system

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA	Other
Sodium sulfite 7757-83-7	Not applicable	Group 3	Not applicable	Not applicable	Not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Sodium sulfite	No information available.	LC50 220 - 460 mg/L Leuciscus idus 96 h	EC50 = 770 mg/L 17 h	330: 24 h Psammechinus miliaris mg/L LC50	-4

Persistence and Degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.

Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA

16. OTHER INFORMATION

Prepared By	Pamela Starkey
Supersedes Date:	03/06/2017
Issuing Date:	03/29/2021
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

CHEM-AQUA, INC assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

SAFETY DATA SHEET CHEM-AQUA 11590

Supersedes Date: 12/16/2016

Issuing Date: 08/29/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CHEM-AQUA 11590
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA, INC
BOX 152170
IRVING, TEXAS 75015

Product Code: 27TZ
Chemical nature Alkaline Aqueous solution
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless
Appearance Transparent - Hazy

Physical state Liquid

Odor Odorless

GHS

Classification

Physical Hazards

Corrosive to metals

Category 1

Health Hazard

Acute toxicity - Oral
Skin corrosion/irritation
Serious eye damage/eye irritation

Category 4

Category 1

Category 1

Hazards not otherwise classified (HNOC)

Not applied

Labeling

Signal word

Danger



Hazard statements

Harmful if swallowed
Causes severe skin burns and eye damage
May be corrosive to metals

Precautionary statements

Wear protective gloves, protective clothing, eye protection and face protection.
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe mist
Do not eat, drink or smoke when using this product
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs, get medical attention. Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a physician.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
Absorb spillage to prevent material damage
Store in a corrosion-resistant container.
Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Sodium hydroxide	1310-73-2	15-40
Potassium hydroxide	1310-58-3	10-30

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical attention.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical attention.
Inhalation	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical attention.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get vomiting. Get immediate medical attention.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash	Method No data available	
Flammability Limits in Air %: Hydrogen, by reaction with metals.	Upper flammability limit: 75	Lower flammability limit: 4
Suitable Extinguishing Media	Water spray. Foam. Alcohol-resistant foam. Carbon dioxide (CO ₂). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Specific hazards arising from the chemical	Contact with metals may evolve flammable hydrogen gas. Material can create slippery conditions.	
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.	
NFPA	Health hazards 3	Flammability 0
HMIS	Health hazards 3	Stability 1
		Physical Hazard 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe mist.			
Storage	Store in original container. Metal containers must be lined. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	115 °F / 46 °C
Storage Conditions	Indoor	X	Outdoor	Heated
				Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	CAL/OSHA PEL	ACGIH TLV	OSHA PEL	NIOSH
Sodium hydroxide	No data available	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³	10 mg/m ³ Ceiling: 2 mg/m ³
Potassium hydroxide	No data available	Ceiling: 2 mg/m ³	No information available	Ceiling: 2 mg/m ³

Engineering Measures

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection

Tightly fitting safety goggles. Face-shield.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Kinematic viscosity	Non viscous
Color	Colorless	Odor	Odorless
Odor threshold	Not applicable	Appearance	Transparent - Hazy
pH	14	Specific Gravity	1.405
Evaporation Rate	0.32 (Butyl acetate=1)	Percent Volatile (Volume)	69.4
VOC content	0	VOC Content (g/L)	0
Product VP (mmHg @ 70°F)	8.82607	Relative vapor density	0.6 0.6 (air = 1)
Solubility(ies)	Completely soluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition temperature	No data available
Boiling Point/Range	> 212 °F / 100 °C	Flammability (solid, gas)	No data available
Flash Point	Does not flash	Method	No data available
Autoignition Temperature	No information available		
Flammability Limits in Air %:	Hydrogen, by reaction with metals	Upper flammability limit: 75	Lower flammability limit: 4

10. STABILITY AND REACTIVITY

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

None known.

Incompatible Products

Oxidizing agents, Acids, Metals, Organic materials, Water.

Decomposition temperature

No data available

Hazardous decomposition products

Sodium oxides, Hydrogen chloride, Phosgene, Hydroxide, Fumes, Hydrogen, by reaction with metals.

Possibility of Hazardous Reactions

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information

No information available

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)

No information available

ATEmix (dermal)

No information available

Inhalation LC50

ATEmix (inhalation-gas)

No information available

ATEmix (inhalation-dust/mist)

No information available

ATEmix (inhalation-vapor)

No information available

Principle Route of Exposure

Skin contact, Eye contact, Inhalation.

Primary Routes of Entry

None known.

Acute Effects:

Eyes

Corrosive to the eyes and may cause severe damage including blindness.

Skin

Causes skin burns.

Inhalation

Harmful by inhalation. Causes burns.

Ingestion

Harmful if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Chronic toxicity

Inhaled corrosive substances can lead to a toxic edema of the lungs.

Target organ effects

Respiratory system, Eyes, Skin.

Aggravated Medical Conditions

Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Others
Sodium hydroxide 1310-73-2	325 mg/kg (rat)	= 1350 mg/kg (rabbit)	No information available	No data available	No data available
Potassium hydroxide 1310-58-3	284 mg/kg (Rat)	No information available	No information available	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide 1310-73-2	No data available	No data available	No data available	No data available	Skin Eyes Respiratory system
Potassium hydroxide 1310-58-3	No data available	No data available	No data available	No data available	Skin Eyes Respiratory system

Carcinogenicity

There are no known carcinogens in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available

Persistence and Degradability

No information available

Bioaccumulation

No information available

Mobility

No information available

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to microorganisms	Crustacea	Partition coefficient
Sodium hydroxide	No information available	CL50 (Oncorhynchus mykiss, 96h) = 45.4 mg/L	No information available	No information available	-
Potassium hydroxide	No information available	No information available	No information available	No information available	0.83

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper shipping name

Corrosive liquid, basic, inorganic, n.o.s., (Potassium Hydroxide, Sodium Hydroxide)

Transport hazard class(es)

8

UN number or ID number

UN3266

Packing group

II

Description

UN3266, Corrosive liquid, basic, inorganic, n.o.s.,(Potassium hydroxide,Sodium hydroxide), 8, PG II

TDG

UN proper shipping name

Corrosive liquid, basic, inorganic, n.o.s.,(Potassium Hydroxide, Sodium Hydroxide)

Transport hazard class(es)

8

UN number or ID number

UN3266

Packing group

II

Description

Corrosive Liquid, Basic, Inorganic, N.O.S.(Potassium Hydroxide, Sodium Hydroxide),8,UN3266,PG II

ICAO (air)

UN number or ID number

UN3266

UN proper shipping name

Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide, Sodium Hydroxide)

Transport hazard class(es)

8

Packing group II
Description UN3266, Corrosive liquid, basic, inorganic, n.o.s.(Potassium Hydroxide,Sodium hydroxide),8,PG II

IATA

UN number or ID number UN3266
UN proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide, Sodium Hydroxide)
Transport hazard class(es) 8
Packing group II
ERG-Code 8L
Description UN3266,Corrosive liquid, basic, inorganic, n.o.s.(Potassium Hydroxide,Sodium hydroxide),8,PG II

IMDG

UN proper shipping name Corrosive liquid, basic, inorganic, n.o.s. (Potassium Hydroxide,Sodium Hydroxide)
Transport hazard class(es) 8
UN number or ID number UN3266
Packing group II
EmS-No F-A, S-B
Description UN3266, Corrosive liquid, basic, inorganic, n.o.s.,(Potassium Hydroxide, Sodium Hydroxide),8,PG II

15. REGULATORY INFORMATION

Inventories

TSCA Listed
DSL/NDL Listed
US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Sodium hydroxide	1000 lb	-
Potassium hydroxide	1000 lb	-

16. OTHER INFORMATION

Prepared By Kim Franklin
Supersedes Date: 12/16/2016
Issuing Date: 08/29/2023
Revision Note No information available
Glossary No information available
List of References. No information available

CHEM-AQUA, INC assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Safety Data Sheet: CHEM-AQUA 18015

Supersedes Date 04/13/2017

Issuing Date 04/24/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHEM-AQUA 18015
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA, INC
BOX 152170
IRVING, TEXAS 75015

Product Code 29TZ
Chemical nature Aqueous solution Amines
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless Red Amber

Physical state Liquid

Odor Ammoniacal

GHS

Classification

Physical Hazards

Flammable liquids
Corrosive to metals

Category 3
Category 1

Health Hazard

Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation
Reproductive Toxicity

Category 1
Category 1
Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H226 - Flammable liquid and vapor
H314 - Causes severe skin burns and eye damage
H361 - Suspected of damaging fertility or the unborn child
H290 - May be corrosive to metals

Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical, ventilating and lighting equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P260 - Do not breathe vapor or mist
P270 - Do not eat, drink or smoke when using this product
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313 - If skin irritation occurs, get medical attention.
P363 - Wash contaminated clothing before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a physician.
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 - If experiencing respiratory symptoms, call a physician.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P308 + P313 - IF exposed or concerned, get medical attention
P390 - Absorb spillage to prevent damage.
P403 + P235 - Store in a well-ventilated place. Keep cool
P406 - Store in a corrosion-resistant container.

P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
2-Diethylaminoethanol	100-37-8	5-10
Cyclohexylamine	108-91-8	5-10
Morpholine	110-91-8	3-7

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Do not get in eyes, on skin or on clothing. Do not breathe vapor or mist.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin Contact	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. Rinse mouth.
Notes to physician	Treat symptomatically. The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point 129 °F / 54 °C

Method Pensky Marten Closed Tester

Flammability Limits in Air %: Mixture.

Upper: 75

Lower: 1.4

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Contact with metals liberates flammable hydrogen gas. Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA Health 3

Flammability 2

Instability 0

HMIS - Health 3

Flammability 2

Instability 0

6. ACCIDENTAL RELEASE MEASURES

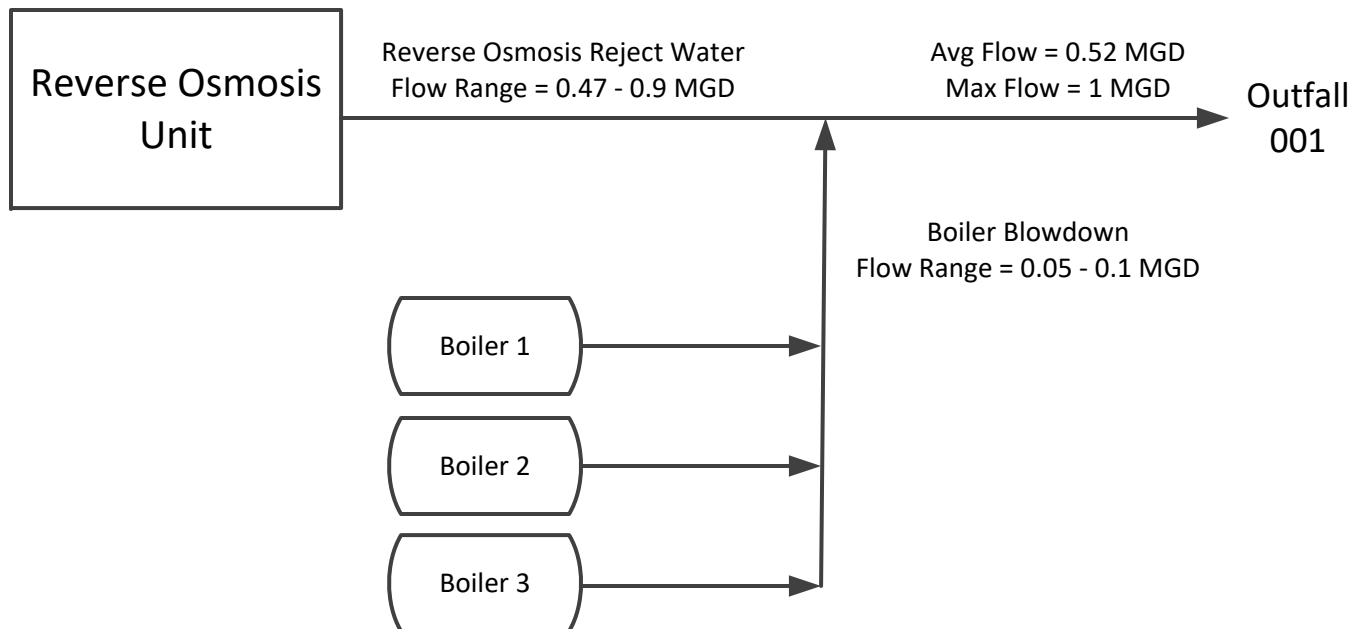
Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent	Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling	Keep away from open flames, hot surfaces and sources of ignition. Do not get in eyes, on skin or on clothing. Do not breathe vapor or mist.
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Metal containers must be lined. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.
Storage Temperature	Minimum 35 °F / 2 °C
Storage Conditions	Indoor X Outdoor Maximum Heated 120 °F / 49 °C Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines



Note:

1. Assumes flows are 90% RO Reject Water/10% Boiler Blowdown, but percentages can vary.



23219 Red River Dr
Katy, TX 77494

Wastewater Flow Schematic – Water Balance

**Aker Plant
Midcoast G&P East Texas**

Date:
4/10/2024

Drawn by:
RER

Attachment
H

Leah Whallon

From: Robert Robinson <rrobinson@alliantenv.com>
Sent: Monday, June 10, 2024 7:23 AM
To: Leah Whallon
Cc: Jeffrey White
Subject: Application for Proposed Permit No. WQ0005460000; Midcoast G & P (East Texas) L.P.; Aker Plant
Attachments: wq0005460000-nod1.pdf; Midcoast TPDES Application Response Letter - June 10 2024.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Attached please find the Midcoast G&P (East Texas) L.P. (Midcoast) response to your May 31, 2024 letter. Alliant Environmental is transmitting this response via email on behalf of Midcoast.

If you have any questions or require any additional information, please do not hesitate to contact me or Mr. Jeffrey White of Midcoast. Thank you for your attention to this matter.

Sincerely,

Robert

Robert E. Robinson, P.E.
Alliant Environmental, LLC
(Cell): 713-972-5535
(Email): rrobinson@alliantenv.com

From: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Sent: Friday, May 31, 2024 11:56 AM
To: Jeffrey White <Jeffrey.White@momentummidstream.com>
Subject: Application for Proposed Permit No. WQ0005460000; Midcoast G & P (East Texas) L.P.; Aker Plant

You don't often get email from leah.whallon@tceq.texas.gov. [Learn why this is important](#)

[EXTERNAL]

Good Afternoon,

Please see the attached Notice of Deficiency letter dated May 31, 2024 requesting additional information needed to declare the application administratively complete. Please send the complete response by June 14, 2024.

Please let me know if you have any questions.

Thank you,

Leah Whallon



Texas Commission on Environmental
Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

June 10, 2024

Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

RE: Response to Comments
Application for Proposed Permit No.: WQ0005460000 (EPA I.D. No. TX0146081)
Applicant Name: Midcoast G & P (East Texas) L.P. (CN603573817)
Site Name: Aker Plant (RN100222819) Type of Application: New

VIA EMAIL

Dear Ms. Whallon:

Please find the response to your letter dated May 31, 2024 regarding the above referenced TPDES permit application. Midcoast G & P (East Texas) L.P. (Midcoast) responses to each item addressed in your letter are provided below. As requested, this response is being sent via email. If requested, a hard copy of the responses can also be sent to you.

TCEQ Comment:

- 1. Administrative Report 1.1, Affected landowner information.*

Please provide an updated affected landowner map and cross reference list that label the adjacent and downstream properties in numerical order, i.e. 1,2,3, etc., instead of using the property tax ID numbers.

Midcoast Response:

Midcoast has modified the affected landowner map and cross reference list to change the labels from property tax ID numbers to a numerical order list. Please find the modified landowner map, cross reference list and mailing labels (please note there was one change made to the mailing labels) attached to this letter (see Attachment 1).

TCEQ Comment:

- 2. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.*

APPLICATION. Midcoast G & P (East Texas) L.P., 2020 Bill Owens Parkway, Suite 100, Longview, Texas 75604, which owns a natural gas processing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005460000 (EPA I.D. No. TX0146081) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 520,000 gallons per day. The facility is located approximately 1.5 miles south of the intersection of Farm-to-Market Road 416 and Southeast County Road 2380/County Road 181, near the city of Streetman, in Freestone County, Texas 75859. The discharge route is from the plant site to an unnamed creek, thence to Greenbriar Creek, thence to Tehuacana Creek, thence to Trinity River Above Lake Livingston.

TCEQ received this application on May 21, 2024. The permit application will be available for viewing and copying at Fairfield Library, 350 West Main Street, Fairfield, in Freestone County, Texas prior to the date this notice is published in the newspaper. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.223333,31.91&level=18>

Further information may also be obtained from Midcoast G & P (East Texas) L.P. at the address stated above or by calling Mr. Jeffrey White, Senior Environmental Advisor, at 903-323-4350.

Midcoast Response:

Midcoast has reviewed the language above and would like to modify the following:

“... to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 45,000 gallons per day.”

In support of this change, Midcoast is also providing a modified page 6 of 83 in the Technical Report to show a proposed daily average flow of 0.045 MGD and a proposed daily max flow of 0.09 MGD. Midcoast is also providing a revised Attachment H – Wastewater Flow Schematic – Water Balance reflecting this change. See Attachment 2 for these modified pages.

If you have any questions or comments to this report, please do not hesitate to contact Mr. Jeffrey White of Midcoast G & P (East Texas) L.P. at 903-323-4350 or at jeffrey.white@momentummidstream.com.

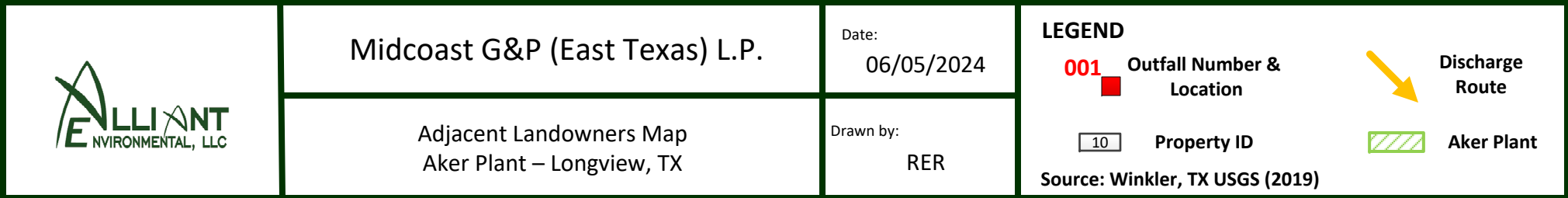
Sincerely,

ALLIANT ENVIRONMENTAL, LLC



Robert E. Robinson, P.E.
Principal

Attachment 1



ID Number	Parcel Number	Landowner Name:	Address
1	15628*	Midcoast G&P (East Texas) L.P.	600 Travis St, Ste 5500 Houston, TX 77002
2	54985*	Midcoast G&P (East Texas) L.P.	600 Travis St, Ste 5500 Houston, TX 77002
3	15619	SRP PYRAMID LLC	600 S Tyler St. Ste 107 Amarillo, TX 79101-2340
4	15964	SRP PYRAMID LLC	600 S Tyler St. Ste 107 Amarillo, TX 79101-2340
5	15602	GRANT JONAS EST	289 County Rd 185 Streetman, TX 75859
6	15617	PACKER PETER EST	1420 Meadow Vista Dr Cedar Hill TX, 75104-4110
7	15626	THORNTON SUE B. ETAL	351 FM 833 E Fairfield, TX 75840-5104
8	15611	LEONARD ARNESTA	1420 Meadow Vista Dr Cedar Hill TX 75104-4110
9	15274	SRP PYRAMID LLC	600 S Tyler St. Ste 107 Amarillo, TX 79101-2340
10	15252	MATTSON JAN C.	7041 Montgomery Rd. Midlothian, TX 76065
11	15584	ANDERSON CHARLES E ETAL	1310 Meadow Creek Dr Lancaster, TX 75146

Source: Freestone Central County Appraisal District

Note: * Details in bold are the Aker Plant. The mailing addresses provided have been updated and are different from the information in the Freestone Central County Appraisal District website.

MIDCOAST G&P (EAST TEXAS) LP
600 TRAVIS ST
STE 5500
HOUSTON TX 77002

SRP PYRAMID LLC
600 S TYLER
STE 107
AMARILLO TX 79101-2340

GRANT JONAS EST
289 COUNTY RD 185
STREETMAN TX 75859

PACKER PETER EST
1420 MEADOW VISTA DR
CEDAR HILL TX 75104-4110

THORNTON SUE BE ETAL
351 FM 833 E
FAIRFIELD TX 75840-4104

LEONARD ARNESTA
1420 MEADOW VISTA DR
CEDAR HILL TX 75104-4110

MATTSON JAN C
7041 MONTGOMERY RD
MIDLOTHIAN TX 76065

ANDERSON CHARLES E ETAL
1310 MEADOW CREEK DR
LANCASTER TX 75146

Attachment 2

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
001	31.9106	-96.2191

Outfall Location Description

Outfall No.	Location Description
001	Located on the east side of the facility, adjacent to discharge box from the storm water pond

Description of Sampling Point(s) (if different from Outfall location)

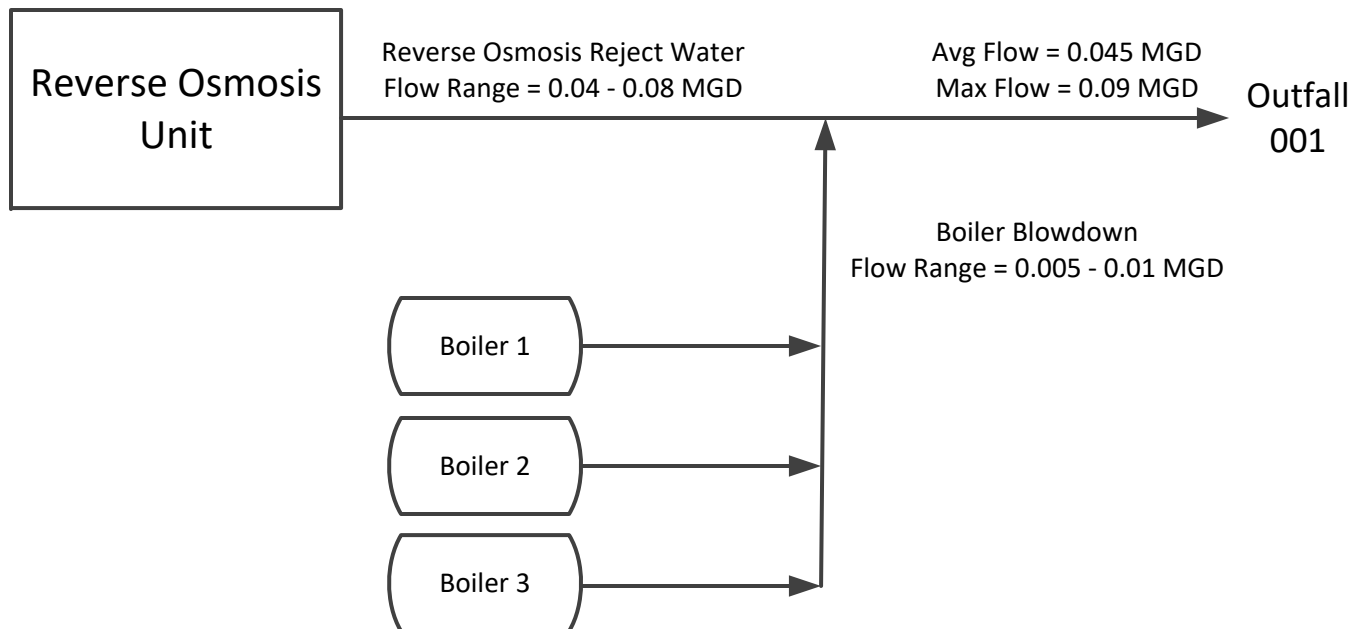
Outfall No.	Description of sampling point
001	Sampling point is adjacent to the discharge box from the storm water pond

Outfall Flow Information – Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	N/A	N/A	0.045	0.09	10/01/24

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	N	Y	Tank gauge used to calculate the discharge volume



Note:

1. Assumes flows are 90% RO Reject Water/10% Boiler Blowdown, but percentages can vary.



23219 Red River Dr
Katy, TX 77494

Wastewater Flow Schematic – Water Balance

**Aker Plant
Midcoast G&P East Texas**

Date:
06/05/2024

Drawn by:
RER

Attachment
H