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

Attachment B - Plain Language Summary

Domestic Wastewater TPDES Renewal Application

Permit No. WQ0010227001

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

The City of Moulton (CN600631766) operates the City of Moulton Wastewater Treatment Facility (RN102916129), an existing activated sludge process plant. The facility is located at 106 East Rose Boulevard, City of Moulton, Lavaca County, Texas 77975.

This application is for renewal of existing permit and to amendment the permit to derate the plant average annual discharge flow from 0.242 MGD to 0.121 MGD of treated domestic wastewater.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and E. coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include an influent lift station, splitter box, aeration basins, clarifier, chlorine contact chamber, sludge drying beds, and effluent lift station.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010227001

APPLICATION. City of Moulton, P.O. Box 369, Moulton, Texas 77975, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010227001 (EPA I.D. No. TX0053287) to authorize relocating the outfall. The domestic wastewater treatment facility is located at 106 East Rose Boulevard, in the city of Moulton, in Lavaca County, Texas 77975. The discharge route is from the plant site to an unclassified portion of Lavaca River; thence to Lavaca River Above Tidal. TCEQ received this application on November 5, 2024. The permit application will be available for viewing and copying at Moulton City Hall, front desk, 102 South Main Street, Moulton, in Lavaca 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=-97.142222,29.5725&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 City of Moulton at the address stated above or by calling Ms. LuAnn Rogers, City Administrator, at 361-596-4621.

Issuance Date: January 3, 2025

City of Moulton

Wastewater Treatment Plant

Permit Renewal with Major Amendment

Permit No. WQ0010227001

TCEQ Use Only

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 600631766		**RN 102916129**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 10/1/2024

☐ 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)

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).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* *If new Customer, enter previous Customer below:*

City of Moulton

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☒ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☒ **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
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:

City of Moulton
P.O. Box 369

City	Moulton	**State**	TX	**ZIP**	77975	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
N/A	citysec@cityofmoulton.com

18. Telephone Number	**19. Extension or Code**	**20. Fax Number** *(if applicable)*

(361) 596-4621	N/A	(361) 596-7075

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.)*

City of Moulton Wastewater Treatment Facility

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	106 East Rose Boulevard							
	City	Moulton	**State**	TX	**ZIP**	77975	**ZIP + 4**	
24. County	Lavaca							

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

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:	29.570833		**28. Longitude (W) In Decimal:**	97.143333	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	34	15	97	08	36

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)
4952			

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

Wastewater Treatment

34. Mailing Address:	**City of Moulton**							
	P.O. Box 369							
	City	**Moulton**	**State**	**TX**	**ZIP**	**77975**	**ZIP + 4**	
35. E-Mail Address:	**citysec@cityofmoulton.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(361) 596-4621		**(361) 596-7075**

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:

SECTION IV: Preparer Information

40. Name:	Brian Wik, P.E.	41. Title:	Engineer
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(361) 854-3101	N/A	(N/A) -	bwik@dccm.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:	City of Moulton	Job Title:	Mayor		
Name *(In Print)*:	Mark Zimmerman			Phone:	(361) 596- 7632
Signature:	Mark Zimmerman			Date:	4/21/2023

CORPORATION CITY OF MOULTON TEXAS MOULTON, TEXAS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Moulton

PERMIT NUMBER (If new, leave blank): WQ00 10227001

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

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Original USGS Map	☒	☐
Administrative Report 1.1	☒	☐	Affected Landowners Map	☐	☒
SPIF	☒	☐	Landowner Disk or Labels	☐	☒
Core Data Form	☒	☐	Buffer Zone Map	☐	☒
Public Involvement Plan Form	☐	☐	Flow Diagram	☒	☐
Technical Report 1.0	☒	☐	Site Drawing	☒	☐
Technical Report 1.1	☒	☐	Original Photographs	☐	☒
Worksheet 2.0	☒	☐	Design Calculations	☐	☒
Worksheet 2.1	☐	☒	Solids Management Plan	☐	☒
Worksheet 3.0	☐	☒	Water Balance	☐	☒
Worksheet 3.1	☐	☒			
Worksheet 3.2	☐	☒			
Worksheet 3.3	☐	☒			
Worksheet 4.0	☒	☐			
Worksheet 5.0	☐	☒			
Worksheet 6.0	☒	☐			
Worksheet 7.0	☐	☒			

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	$350.00 ☐	$315.00 ☐
≥0.05 but <0.10 MGD	$550.00 ☐	$515.00 ☐
≥0.10 but <0.25 MGD	$850.00 ☒	$815.00 ☐
≥0.25 but <0.50 MGD	$1,250.00 ☐	$1,215.00 ☐
≥0.50 but <1.0 MGD	$1,650.00 ☐	$1,615.00 ☐
≥1.0 MGD	$2,050.00 ☐	$2,015.00 ☐

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number:

Check/Money Order Amount: $850.00

Name Printed on Check: City of Moulton to Texas Commission on Env. Quality

EPAY Voucher Number:

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

☒ Publicly-Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Wastewater Treatment

b. Check the box next to the appropriate facility status.

☒ Active ☐ Inactive

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit
- ☐ TLAP
- ☐ TPDES Permit with TLAP component
- ☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- ☐ New
- ☒ Major Amendment *with* Renewal
- ☐ Major Amendment *without* Renewal
- ☐ Renewal without changes
- ☐ Minor Amendment *with* Renewal
- ☐ Minor Amendment *without* Renewal
- ☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: Attachment A

f. **For existing permits**:

Permit Number: WQ00 10227001

EPA I.D. (TPDES only): TX 0053287

Expiration Date: May 5, 2025

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

City of Moulton

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at http://www15.tceq.texas.gov/crpub/

CN: 600631766

What is 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: Mr. Last Name, First Name: Zimmerman, Mark

Title: Mayor Credential:

B. Co-applicant information. Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at: http://www15.tceq.texas.gov/crpub/

CN:

What is 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: Last Name, First Name:

Title: Credential:

Provide a brief description of the need for a co-permittee:

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 Administrative Report 1.0.

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Ms. Last Name, First Name: Rogers, LuAnn

Title: City Administrator, City Secretary, Municipal Court Clerk Credential: TRMC

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-4621 E-mail Address: citysec@cityofmoulton.com

Check one or both: ☒ Administrative Contact ☐ Technical Contact

B. Prefix: Mr. Last Name, First Name: Wik, Brian

Title: Engineer Credential: P.E.

Organization Name: Urban DCCM

Mailing Address: 2725 Swantner Dr. City, State, Zip Code: Corpus Christi, TX 78404

Phone No.: 361-854-3101 E-mail Address: bwik@dccm.com

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Mr. Last Name, First Name: Zimmerman, Mark

Title: Mayor Credential:

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-7632 E-mail Address: zim1958@att.net

B. Prefix: Ms. Last Name, First Name: Rogers. LuAnn

Title: City Administrator, City Secretary, Municipal Court Clerk Credential: TRMC

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-4621 E-mail Address: citysec@cityofmoulton.com

Section 6. Billing Contact Information (Instructions Page 27)

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 (using form TCEQ-20029).

Prefix: Ms. Last Name, First Name: Rogers, LuAnn

Title: City Administrator, City Secretary, Municipal Court Clerk Credential: TRMC

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-4621 E-mail Address: citysec@cityofmoulton.com

Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Mr. Last Name, First Name: Koncaba, Kyle

Title: Wastewater Operator Credential:

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 772-4988 E-mail Address: kkoncaba@cityofmoulton.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Rogers, LuAnn

Title: City Administrator, City Secretary, Municipal Court Clerk Credential: TRMC

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-4621 E-mail Address: citysec@cityofmoulton.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms. Last Name, First Name: Rogers, LuAnn

Title: City Administrator, City Secretary, Municipal Court Clerk Credential: TRMC

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-4621 E-mail Address: citysec@cityofmoulton.com

D. Public Viewing Information

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

Public building name: Moulton City Hall

Location within the building: Front Desk

Physical Address of Building: 102 S. Main Street

City: Moulton County: Lavaca

Contact (Last Name, First Name): Rogers, LuAnn

Phone No.: (361) 596-4621 Ext.:

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** Section 9 below.

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?

F. Plain Language Summary Template

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

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: Attachment C

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 102916129

Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

City of Moulton Wastewater Treatment Plant

C. Owner of treatment facility: City of Moulton

Ownership of Facility: ☒ Public ☐ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: Last Name, First Name:

Title: P.O. Box 369 Credential:

Organization Name: City of Moulton

Mailing Address: P.O. Box 369 City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-4621 E-mail Address: citysec@cityofmoulton.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment:

E. Owner of effluent disposal site:

Prefix: Last Name, First Name:

Title: Credential:

Organization Name:

Mailing Address: City, State, Zip Code:

Phone No.: E-mail Address:

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment:

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant)::

Prefix: Last Name, First Name:

Title: Credential:

Organization Name:

Mailing Address: City, State, Zip Code:

Phone No.: E-mail Address:

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment:

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☒ Yes ☐ No

If **no**, **or a new permit application**, please give an accurate description:

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☒ Yes ☐ No

If **no**, **or a new or amendment permit application**, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

City nearest the outfall(s): Moulton, TX

County in which the outfalls(s) is/are located: Lavaca

C. 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:

D. 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

Section 11. TLAP Disposal Information (Instructions Page 32)

A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

B. City nearest the disposal site:

C. County in which the disposal site is located:

D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

Section 12. Miscellaneous Information (Instructions Page 32)

A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

C. 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 formerly employed by the TCEQ who represented your company and was paid for service regarding the application:

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following information:

Account number:

Amount past due:

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, please provide the following information:

Enforcement order number:

Amount past due:

Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify:

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: WO0010227001

Applicant: City of Moulton

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): Mark Zimmerman

Signatory title: Mayor

Signature: _____ Date: 11/04/2024

(Use blue ink)

CORPORATION CITY OF MOULTON MOULTON, TEXAS

Subscribed and Sworn to before me by the said Mark Zimmerman

on this 04th day of November, 20 24.

My commission expires on the 11th day of June, 20 25.

_____

Notary Public

LUANN D ROGERS NOTARY PUBLIC STATE OF TEXAS ID 125104581 EXP. 06-11-2025

[SEAL]

Lavaca

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☒ The applicant's property boundaries
- ☐ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☐ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. Indicate by a check mark in which format the landowners list is submitted:

☐ USB Drive ☒ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Lavaca County Appraisal

E. As required by *Texas Water Code § 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):

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

☐ At least one original photograph of the new or expanded treatment unit 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.

☐ At least one photograph of the existing/proposed effluent disposal site

☐ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

☐ Ownership

☐ Restrictive easement

☐ Nuisance odor control

☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

☐ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

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: Attachment D

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the 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 **Waste Permit No:** WQ0010227001

1. Check or Money Order Number:
2. Check or Money Order Amount: $850.00
3. Date of Check or Money Order:
4. Name on Check or Money Order: City of Moulton
5. APPLICATION INFORMATION

   Name of Project or Site: City of Moulton Wastewater Treatment Plant Permit Renewal

   Physical Address of Project or Site: 106 E. Rose Blvd., Moulton, TX 77975

   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

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. 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 21, 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 application 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. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ 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)

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

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

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant'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 USB Drive 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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

Section 1. Permitted or Proposed Flows (Instructions Page 43)

A. Existing/Interim I Phase

Design Flow (MGD): 0.242

2-Hr Peak Flow (MGD): 0.746

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

C. Final Phase

Design Flow (MGD): 0.121

2-Hr Peak Flow (MGD): 0.363

Estimated construction start date:

Estimated waste disposal start date:

D. Current Operating Phase

Provide the startup date of the facility: February 23, 2001

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided**.

See Attachment A.

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) **of each treatment unit, accounting for *all* phases of operation.**

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
See Attachment F		

C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: See Attachment G

Section 3. Site Information and Drawing (Instructions Page 44)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: 29.570833
- Longitude: (-)97.143333

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: See Attachment H

Provide the name **and** a description of the area served by the treatment facility.

Within the city limits of the City of Moulton, Texas.

Collection System Information **for wastewater TPDES permits only**: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If yes, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☐ No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases**.

Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☒ Yes ☐ No

If yes, was a closure plan submitted to the TCEQ?

☐ Yes ☒ No

If yes, provide a brief description of the closure and the date of plan approval.

Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☒ No

If yes, provide the date(s) of approval for each phase:

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable**.

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

The original 0.121 MGD treatment train is exempt from the buffer zone requirements since the facility's plans and specifications were approved on July 23, 1981. The continued exemption of the original 0.121 MGD train is contingent on no design changes or increases in flow through the train. In addition, issuance of this permit includes a variance to the buffer zone requirements for the recently established 0.121 MGD treatment train in accordance with 30 TAC Section 309.13(f) based on documentation submitted by the applicant on April 2, 2004, which stated "The 150' buffer from the sludge drying beds extends outside the treatment plant property. The adjacent property is within the 100-year floodplain and is also within the extra-territorial jurisdiction (ETJ) of the City of Moulton. The City of Moulton enforces development regulations within the city limits and ETJ restricting development within the 100-year floodplain. These development regulations establish sufficient safeguards to prevent residential buildings within the buffer zone. " The permittee shall comply with the requirements of 30 TAC Section 309.13(a)-(d).

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☒ No

If yes, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If No, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☒ Yes ☐ No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

4. *Grease and decanted liquid disposal*

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

E. Stormwater management

1. *Applicability*

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☒ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☒ No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. *MSGP coverage*

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☐ No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 or TXRNE

If no, do you intend to seek coverage under TXR050000?

☐ Yes ☐ No

3. *Conditional exclusion*

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☐ No

If yes, please explain below then proceed to Subsection F, Other Wastes Received:

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☐ No

If yes, explain below then skip to Subsection F. Other Wastes Received.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you

intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

G. Other wastes received including sludge from other WWTPs and septic waste

1. Acceptance of sludge from other WWTPs

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☒ No

If yes, attach sewage sludge solids management plan. See Example 5 of instructions.

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☒ Yes ☐ No

If yes, does the facility have a Type V processing unit?

☐ Yes ☒ No

If yes, does the unit have a Municipal Solid Waste permit?

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

The WWTP began accepting septic waste in December 2012. The WWTP currently accepts between 0.15 – 0.20 MG of septic waste each month. The septic waste comes primarily from trailer parks and "Man-camps" that house oil and gas workers, therefore the estimated BOD5 concentration is 250-300 mg/L. The design BOD5 concentration of the influent from the collection system is 200 mg/L.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. ***Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)***

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☒ Yes ☐ No

If no, this section is not applicable. Proceed to Section 8.

If yes, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). ***Water treatment facilities*** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	4	-	1	Grab	09/25/24 8:47
Total Suspended Solids, mg/l	3	-	1	Grab	09/25/24 8:47
Ammonia Nitrogen, mg/l	0.17	-	1	Grab	09/25/24 8:47
Nitrate Nitrogen, mg/l	18.5	-	1	Grab	09/25/24 8:47
Total Kjeldahl Nitrogen, mg/l	1.52	-	1	Grab	09/25/24 8:47
Sulfate, mg/l	207	-	1	Grab	09/25/24 8:47
Chloride, mg/l	405	-	1	Grab	09/25/24 8:47
Total Phosphorus, mg/l	4.77	-	1	Grab	09/25/24 8:47
pH, standard units	8.1	-	1	Grab	09/25/24 8:47
Dissolved Oxygen*, mg/l	7.1	-	1	Grab	09/25/24 8:47
Chlorine Residual, mg/l	4.0	-	1	Grab	09/25/24 8:47
E.coli (CFU/100ml) freshwater	<1	-	1	Grab	09/25/24 8:47
Entercocci (CFU/100ml) saltwater	-	-	-	-	-
Total Dissolved Solids, mg/l	1364	-	1	Grab	09/25/24 8:47
Electrical Conductivity, µmohs/cm, †	2300	-	1	Grab	09/25/24 8:47
Oil & Grease, mg/l	<7	-	1	Grab	09/25/24 8:47
Alkalinity ($CaCO_3$)*, mg/l	214	-	1	Grab	09/25/24 8:47

*TPDES permits only
†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Kyle Koncaba

Facility Operator's License Classification and Level: WWT Operator C

Facility Operator's License Number: WW0075909

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow>= 1 MGD
- ☐ Serves >= 10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☐ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☒ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process:

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk			

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP):

D. Disposal site

Disposal site name:

TCEQ permit or registration number:

County where disposal site is located:

E. Transportation method

Method of transportation (truck, train, pipe, other):

Name of the hauler: Magna Flow Environmental

Hauler registration number:

Sludge is transported as a:

Liquid ☐ semi-liquid ☐ semi-solid ☐ solid ☒

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No

If yes, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

☐ Yes ☐ No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting	☐ Yes	☒ No
Marketing and Distribution of sludge	☐ Yes	☒ No
Sludge Surface Disposal or Sludge Monofill	☐ Yes	☒ No
Temporary storage in sludge lagoons	☐ Yes	☒ No

If yes to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:

  Attachment:
- USDA Natural Resources Conservation Service Soil Map:

  Attachment:
- Federal Emergency Management Map:

  Attachment:
- Site map:

  Attachment:

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment:

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0.*

Nitrate Nitrogen, mg/kg:

Total Kjeldahl Nitrogen, mg/kg:

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg:

Phosphorus, mg/kg:

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

Volume and frequency of sludge to the lagoon(s):

Total dry tons stored in the lagoons(s) per 365-day period:

Total dry tons stored in the lagoons(s) over the life of the unit:

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

If yes, describe the liner below. Please note that a liner is required.

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment:
- Copy of the closure plan

  Attachment:
- Copy of deed recordation for the site

  Attachment:
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment:
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment:
- Procedures to prevent the occurrence of nuisance conditions

  Attachment:

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment:

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If yes, provide the TCEQ authorization number and description of the authorization:

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

C. Details about wastes received

If yes to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment:

Section 14. Laboratory Accreditation (Instructions Page 56)

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: Mark Zimmerman

Title: Mayor, City of Moulton

Signature: _____

Date: 11/04/2024

CORPORATION CITY OF MOULTON
MOULTON, TEXAS
TEXAS

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

See Attachment I

B. Regionalization of facilities

For additional guidance, please review TCEQ's Regionalization Policy for Wastewater Treatment[1].

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. Municipally incorporated areas

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☐ No ☐ Not Applicable

If yes, within the city limits of:

If yes, attach correspondence from the city.

Attachment:

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment:

2. Utility CCN areas

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☐ No

[1] https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment:

3. Nearby WWTPs or collection systems

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☐ No

If yes, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment:

If yes, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment:

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment:

Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☐ No

If no, proceed to Item B, Proposed Organic Loading.

If yes, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application):

Average Influent Organic Strength or BOD_5 Concentration in mg/l:

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34):

Provide the source of the average organic strength or BOD_5 concentration.

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision		
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources		
AVERAGE BOD_5 from all sources		

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l:

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l:

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l:

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

D. Disinfection Method

Identify the proposed method of disinfection.

☐ Chlorine: mg/l after minutes detention time at peak flow

Dechlorination process:

☐ Ultraviolet Light: seconds contact time at peak flow

☐ Other:

Section 4. Design Calculations (Instructions Page 59)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment:

Section 5. Facility Site (Instructions Page 60)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☐ Yes ☐ No

If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

Provide the source(s) used to determine 100-year frequency flood plain.

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☐ No

If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No

If yes, provide the permit number:

If no, provide the approximate date you anticipate submitting your application to the Corps:

B. Wind rose

Attach a wind rose:

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☐ No

If yes, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**:

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

If any of the above, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**:

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

Attachment:

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities

- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed it Section 2. **If yes**, provide the following:

Owner of the drinking water supply:

Distance and direction to the intake:

Attach a USGS map that identifies the location of the intake.

Attachment:

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. **If yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet:

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☒ No

If yes, provide the distance and direction from outfall(s).

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

☐ Yes ☒ No

If yes, provide the distance and direction from the outfall(s).

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☒ Yes ☐ No

If yes, this Worksheet is complete.

If no, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters:

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

Average depth of water body within a 500-foot radius of discharge point, in feet:

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify:

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

☐ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify:

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

D. Downstream characteristics

Do 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, discuss how.

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

Date and time of observation:

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

☐ Oil field activities
☐ Upstream discharges
☐ Septic tanks
☐ Urban runoff
☐ Agricultural runoff
☐ Other(s), specify:

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☐ Other(s), specify:

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☐ Natural Area: trees and/or native vegetation; 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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

The following **is required** for facilities with a permitted or proposed flow of **1.0 MGD or greater**, facilities with an approved **pretreatment** program, or facilities classified as a **major** facility. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

For pollutants identified in Table 4.0(1), indicate the type of sample.

Grab ☐ Composite ☒

Date and time sample(s) collected: 09/29/24 08:18

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<14.3		1	50
Aldrin	<0.00113		1	0.01
Aluminum	24.1		1	2.5
Anthracene	<1.50		1	10
Antimony	<1.05		1	5
Arsenic	7.17		1	0.5
Barium	16.4		1	3
Benzene	<0.460		1	10
Benzidine	<20.0		1	50
Benzo(a)anthracene	<0.173		1	5
Benzo(a)pyrene	<0.364		1	5
Bis(2-chloroethyl)ether	<2.16		1	10
Bis(2-ethylhexyl)phthalate	<0.277		1	10
Bromodichloromethane	70.5		1	10
Bromoform	0.0295		1	10
Cadmium	<0.258		1	1
Carbon Tetrachloride	<0.896		1	2
Carbaryl	<1.85		1	5
Chlordane*	<0.103		1	0.2
Chlorobenzene	<0.455		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane	86.4		1	10
Chloroform	45.0		1	10
Chlorpyrifos	<0.0158		1	0.05
Chromium (Total)	2.26		1	3
Chromium (Tri) **(*1)**	<3.45		1	N/A
Chromium (Hex)	<3.45		1	3
Copper	5.28		1	2
Chrysene	<0.222		1	5
p-Chloro-m-Cresol	<1.57		1	10
4,6-Dinitro-o-Cresol	<1.44		1	50
p-Cresol	<2.62		1	10
Cyanide **(*2)**	2.65		1	10
4,4'- DDD	<0.000814		1	0.1
4,4'- DDE	<0.00109		1	0.1
4,4'- DDT	<0.00379		1	0.02
2,4-D	<1.08		1	0.7
Demeton (O and S)	<0.207		1	0.20
Diazinon	<0.145		1	0.5/0.1
1,2-Dibromoethane	<0.999		1	10
m-Dichlorobenzene	<0.413		1	10
o-Dichlorobenzene	<0.249		1	10
p-Dichlorobenzene	<0.449		1	10
3,3'-Dichlorobenzidine	<0.341		1	5
1,2-Dichloroethane	<0.372		1	10
1,1-Dichloroethylene	<0.738		1	10
Dichloromethane	<1.73		1	20
1,2-Dichloropropane	<0.556		1	10
1,3-Dichloropropene	<1.27		1	10
Dicofol	<0.0500		1	1
Dieldrin	<0.000953		1	0.02
2,4-Dimethylphenol	<0.649		1	10
Di-n-Butyl Phthalate	1.04		1	10
Diuron	<0.0514		1	0.09

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)	<0.00107		1	0.01
Endosulfan II (beta)	<0.00122		1	0.02
Endosulfan Sulfate	<0.00112		1	0.1
Endrin	<0.00156		1	0.02
Ethylbenzene	<0.385		1	10
Fluoride	327.0		1	500
Guthion	<0.349		1	0.1
Heptachlor	<0.00446		1	0.01
Heptachlor Epoxide	<0.00134		1	0.01
Hexachlorobenzene	<0.307		1	5
Hexachlorobutadiene	<1.0		1	10
Hexachlorocyclohexane (alpha)	<0.00142		1	0.05
Hexachlorocyclohexane (beta)	<0.00389		1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.00299		1	0.05
Hexachlorocyclopentadiene	<10.0		1	10
Hexachloroethane	<0.526		1	20
Hexachlorophene	<10.0		1	10
Lead	<0.369		1	0.5
Malathion	<0.133		1	0.1
Mercury	<0.002		1	0.005
Methoxychlor	<0.00390		1	2
Methyl Ethyl Ketone	<8.28		1	50
Mirex	<0.0200		1	0.02
Nickel	2.07		1	2
Nitrate-Nitrogen	21000		1	100
Nitrobenzene	<1.66		1	10
N-Nitrosodiethylamine	<1.75		1	20
N-Nitroso-di-n-Butylamine	<1.49		1	20
Nonylphenol	<10.0		1	333
Parathion (ethyl)	<0.142		1	0.1
Pentachlorobenzene	<1.07		1	20
Pentachlorophenol	<0.234		1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene	<1.42		1	10
Polychlorinated Biphenyls (PCB's) **(*3)**	<1.0		1	0.2
Pyridine	<10.0		1	20
Selenium	<0.685		1	5
Silver	<0.351		1	0.5
1,2,4,5-Tetrachlorobenzene	<1.32		1	20
1,1,2,2-Tetrachloroethane	<0.470		1	10
Tetrachloroethylene			1	10
Thallium	<0.215		1	0.5
Toluene	<0.475		1	10
Toxaphene	<0.0769		1	0.3
2,4,5-TP (Silvex)	<1.20		1	0.3
Tributyltin (see instructions for explanation)	<1.14		1	0.01
1,1,1-Trichloroethane	<0.585		1	10
1,1,2-Trichloroethane	<0.411		1	10
Trichloroethylene	<1.50		1	10
2,4,5-Trichlorophenol	<2.00		1	50
TTHM (Total Trihalomethanes)	231.0		1	10
Vinyl Chloride	<0.428		1	10
Zinc	15.6		1	5

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable.

(*3) The sum of seven PCB congeners 1242, 1254, 1221, 1232, 1248, 1260, and 1016.

Section 2. Priority Pollutants

For pollutants identified in Tables 4.0(2)A-E, indicate type of sample.

Grab ☐ Composite ☒

Date and time sample(s) collected: 09/29/24 08:18

Table 4.0(2)A – Metals, Cyanide, and Phenols

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony	<1.05		1	5
Arsenic	7.17		1	0.5
Beryllium	<0.375		1	0.5
Cadmium	<0.258		1	1
Chromium (Total)	2.26		1	3
Chromium (Hex)	<3.45		1	3
Chromium (Tri) **(*1)**	<3.45		1	N/A
Copper	5.28		1	2
Lead	<0.369		1	0.5
Mercury	<0.200		1	0.005
Nickel	2.07		1	2
Selenium	<0.685		1	5
Silver	<0.351		1	0.5
Thallium	<0.215		1	0.5
Zinc	15.6		1	5
Cyanide **(*2)**	2.65		1	10
Phenols, Total	6.70		1	10

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	<11.1		1	50
Acrylonitrile	<14.3		1	50
Benzene	<0.460		1	10
Bromoform	29.5		1	10
Carbon Tetrachloride	<0.896		1	2
Chlorobenzene	<0.455		1	10
Chlorodibromomethane	86.4		1	10
Chloroethane	<1.98		1	50
2-Chloroethylvinyl Ether	<0.753		1	10
Chloroform	45		1	10
Dichlorobromomethane [Bromodichloromethane]	70.5		1	10
1,1-Dichloroethane	<0.635		1	10
1,2-Dichloroethane	<0.372		1	10
1,1-Dichloroethylene	<0.738		1	10
1,2-Dichloropropane	<0.556		1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<1.27		1	10
1,2-Trans-Dichloroethylene	<0.368		1	10
Ethylbenzene	<0.385		1	10
Methyl Bromide	<1.42		1	50
Methyl Chloride	<2.04		1	50
Methylene Chloride	<1.73		1	20
1,1,2,2-Tetrachloroethane	<0.470		1	10
Tetrachloroethylene	0.655		1	10
Toluene	<0.475		1	10
1,1,1-Trichloroethane	<0.585		1	10
1,1,2-Trichloroethane	<0.411		1	10
Trichloroethylene	<1.50		1	10
Vinyl Chloride	<0.428		1	10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol	<0.649		1	10
2,4-Dichlorophenol	<0.314		1	10
2,4-Dimethylphenol	<0.649		1	10
4,6-Dinitro-o-Cresol	<1.44		1	50
2,4-Dinitrophenol	<1.61		1	50
2-Nitrophenol	<1.67		1	20
4-Nitrophenol	<7.20		1	50
P-Chloro-m-Cresol	<1.57		1	10
Pentalchlorophenol	<0.234		1	5
Phenol	<0.423		1	10
2,4,6-Trichlorophenol	<1.42		1	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	<1.39		1	10
Acenaphthylene	<1.41		1	10
Anthracene	<1.50		1	10
Benzidine	<20.0		1	50
Benzo(a)Anthracene	<0.173		1	5
Benzo(a)Pyrene	<0.364		1	5
3,4-Benzofluoranthene	<2.04		1	10
Benzo(ghi)Perylene	<2.68		1	20
Benzo(k)Fluoranthene	<5.00		1	5
Bis(2-Chloroethoxy)Methane	<1.76		1	10
Bis(2-Chloroethyl)Ether	<2.16		1	10
Bis(2-Chloroisopropyl)Ether	<1.79		1	10
Bis(2-Ethylhexyl)Phthalate	<0.277		1	10
4-Bromophenyl Phenyl Ether	<0.256		1	10
Butyl benzyl Phthalate	<0.337		1	10
2-Chloronaphthalene	<0.462		1	10
4-Chlorophenyl phenyl ether	<1.28		1	10
Chrysene	<0.222		1	5
Dibenzo(a,h)Anthracene	<0.246		1	5
1,2-(o)Dichlorobenzene	<0.429		1	10
1,3-(m)Dichlorobenzene	<0.413		1	10
1,4-(p)Dichlorobenzene	<0.449		1	10
3,3-Dichlorobenzidine	<0.341		1	5
Diethyl Phthalate	<1.59		1	10
Dimethyl Phthalate	<2.50		1	10
Di-n-Butyl Phthalate	1.04		1	10
2,4-Dinitrotoluene	<1.31		1	10
2,6-Dinitrotoluene	<1.61		1	10
Di-n-Octyl Phthalate	<0.373		1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<1.49		1	20
Fluoranthene	<1.59		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<1.63		1	10
Hexachlorobenzene	<3.07		1	5
Hexachlorobutadiene	<1.00		1	10
Hexachlorocyclo-pentadiene	<10.0		1	10
Hexachloroethane	<0.526		1	20
Indeno(1,2,3-cd)pyrene	<2.29		1	5
Isophorone	<1.64		1	10
Naphthalene	<2.50		1	10
Nitrobenzene	<1.66		1	10
N-Nitrosodimethylamine	<2.02		1	50
N-Nitrosodi-n-Propylamine	<2.88		1	20
N-Nitrosodiphenylamine	<1.81		1	20
Phenanthrene	<1.42		1	10
Pyrene	<0.178		1	10
1,2,4-Trichlorobenzene	<1.75		1	10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	<0.00113		1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.00142		1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.00389		1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.00299		1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.00245		1	0.05
Chlordane	<0.103		1	0.2
4,4-DDT	<0.00379		1	0.02
4,4-DDE	<0.00109		1	0.1
4,4,-DDD	<0.000814		1	0.1
Dieldrin	<0.000953		1	0.02
Endosulfan I (alpha)	<0.00107		1	0.01
Endosulfan II (beta)	<0.00122		1	0.02
Endosulfan Sulfate	<0.00112		1	0.1
Endrin	<0.00156		1	0.02
Endrin Aldehyde	<0.00118		1	0.1
Heptachlor	<0.00446		1	0.01
Heptachlor Epoxide	<0.00134		1	0.01
PCB-1242	<0.0125		1	0.2
PCB-1254	<0.00780		1	0.2
PCB-1221	<0.0125		1	0.2
PCB-1232	<0.0125		1	0.2
PCB-1248	<0.0125		1	0.2
PCB-1260	<0.00780		1	0.2
PCB-1016	<0.0125		1	0.2
Toxaphene	<0.0769		1	0.3

* For PCBS, if all are non-detects, enter the highest non-detect preceded by a “<”.

Section 3. Dioxin/Furan Compounds

A. Indicate which of the following compounds from may be present in the influent from a contributing industrial user or significant industrial user. Check all that apply.

☐ 2,4,5-trichlorophenoxy acetic acid

Common Name 2,4,5-T, CASRN 93-76-5

☐ 2-(2,4,5-trichlorophenoxy) propanoic acid

Common Name Silvex or 2,4,5-TP, CASRN 93-72-1

☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate

Common Name Erbon, CASRN 136-25-4

☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

For each compound identified, provide a brief description of the conditions of its/their presence at the facility.

B. Do you 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 your effluent?

☐ Yes ☐ No

If **yes**, provide a brief description of the conditions for its presence.

C. If any of the compounds in Subsection A **or** B are present, complete Table 4.0(2)F.

For pollutants identified in Table 4.0(2)F, indicate the type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected:

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalency Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1					10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					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					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following **is required** for **all publicly owned treatment works**.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs – non-categorical, and Other IUs.

If there are no users, enter 0 (zero).

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD:

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD:

Other IUs:

Number of IUs: 2

Average Daily Flows, in MGD: 0.015

B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

If yes, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If yes, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2.c. and 2.d. only, and skip Section 3.

If no to either question above, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If yes, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

B. Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

C. Effluent parameters above the MAL

In Table 6.0(1), list all parameters measured above the MAL in the POTW's effluent monitoring during the last three years. Submit an attachment if necessary.

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☐ No

If yes, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name:

SIC Code:

Contact name:

Address:

City, State, and Zip Code:

Telephone number:

Email address:

B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

C. Product and service information

Provide a description of the principal product(s) or services performed.

.

D. Flow rate information

See the Instructions for definitions of "process" and "non-process wastewater."

Process Wastewater:

Discharge, in gallons/day: 0

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 0

Discharge Type: ☐ Continuous ☐ Batch ☒ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the *i*nstructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

If subject to categorical pretreatment standards, indicate the applicable category and subcategory for each categorical process.

Category:

Subcategories:

Category:

Subcategories:

Category:

Subcategories:

Category:

Subcategories:

Category:

Subcategories:

F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☒ No

If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

Attachment A –

Description

Attachment A – Description

Moulton WWTP Domestic Wastewater TPDES Renewal Application

Permit No. 10227001

The Moulton WWTP facility consists of two treatment trains, the North Plant and the South Plant. The facility includes an influent lift station followed by a bar screen and a flow splitter box that distributes the influent wastewater to North Plant and the South Plant. The North plant includes one aeration basin, two clarifiers, and two parallel chlorine contact chambers.

The South Plant includes two aeration basins, one clarifier, an activated sludge holding tank, and chlorine contract chamber. Effluent from both plants flows to a common effluent lift station that discharges to the Lavaca River. The facility also includes five sludge drying beds for processing waste sludge from both plants. Both the North Plant and the South Plant are currently in operation.

It is being proposed to take the existing North Plant out of service and reduce the permitted plant flow from 0.242 MGD to 0.121 MGD.

It is also being proposed to move the discharge outfall pipe to the south putting it closer to the South WWTP.

Attachment B –

Plain Language Summary

Attachment B - Plain Language Summary

Domestic Wastewater TPDES Renewal Application

Permit No. WQ0010227001

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

The City of Moulton (CN600631766) operates the City of Moulton Wastewater Treatment Facility (RN102916129), an existing activated sludge process plant. The facility is located at 106 East Rose Boulevard, City of Moulton, Lavaca County, Texas 77975.

This application is for renewal of existing permit and to amendment the permit to derate the plant average annual discharge flow from 0.242 MGD to 0.121 MGD of treated domestic wastewater.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and E. coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include an influent lift station, splitter box, aeration basins, clarifier, chlorine contact chamber, sludge drying beds, and effluent lift station.

Attachment C –

Public Involvement Plan Form

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)

Attachment D –

Supplemental Permit Information Form

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: City of Moulton

   Permit No. WQ00 100227001 EPA ID No. TX 0053287

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

   106 E. Rose Boulevard, Moulton TX 77975

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): Ms.

First and Last Name: LuAnn Rogers

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

Title: City Administrator, City Secretary, Municipal Court Clerk

Mailing Address: P.O. Box 369

City, State, Zip Code: Moulton, TX 77975

Phone No.: (361) 596-4621 Ext.: Fax No.: (361) 596-7075

E-mail Address: citysec@cityofmoulton.com

2. List the county in which the facility is located: Lavaca
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.

Lavaca River above the Tidal Segment No. 1602 of the Lavaca River Basin.

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.

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

- ☐ 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:

Site is an existing Wastewater Treatment Plant with access roads, staging/storage area, and limited landscape improvements.

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:

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

Attachment E –

Discharge Location Photos

Attachment F –

Treatment Units

CITY OF MOULTON
WASTEWATER TREATMENT PLANT
LIST OF TREATMENT UNITS

NORTH PLANT

TYPE OF UNIT	NUMBER OF UNITS	SIZE (LxWxD)
Aeration Basin	1	41' x 39' x 14'
Clarifier	2	20' x 20' x 14'
Chlorine Contact Chamber	2	20' x 3' x 10'
Effluent Box	1	8' x 3' x 10'
Sludge Drying Beds	3	51' x 20'

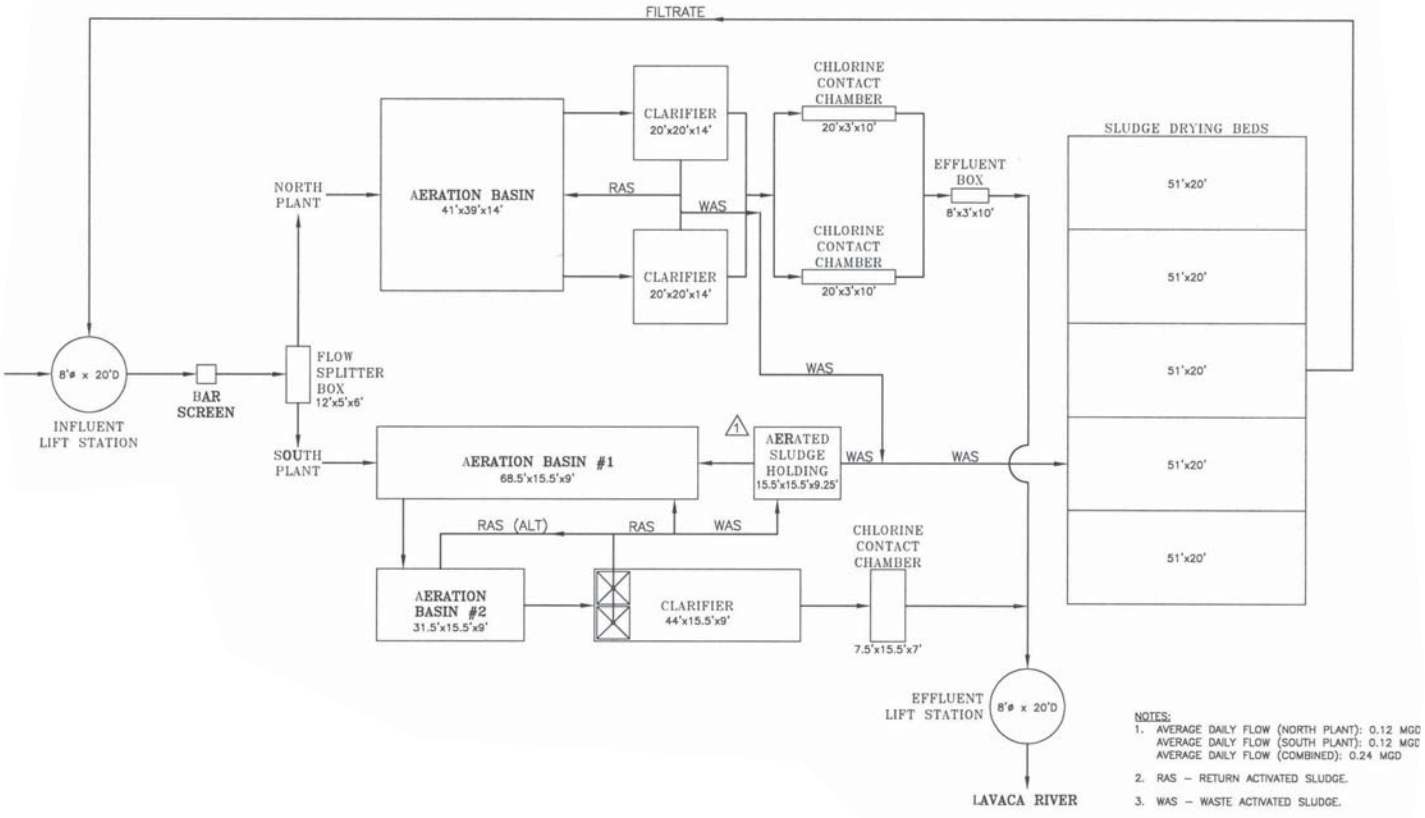
SOUTH PLANT

TYPE OF UNIT	NUMBER OF UNITS	SIZE (LxWxD)
Influent Lift Station	1	8' Dia. x 20'D
Splitter Box	1	12' x 5' x 6'
Aeration Basin No. 1	1	68.5' x 15.5' x 9'
Aeration Basin No. 2	1	31.5' x 15.5' x 9'
Clarifier	1	44' x 15.5' x 9'
Chlorine Contact Chamber	1	7.5' x 15.5' x 7'
Aerated Sludge Holding	1	15.5' x 15.5' x 9.25'
Sludge Drying Beds	2	51' x 20'
Effluent Lift Station	1	8' Dia. x 20'D

Attachment G –

Process Flow Diagram

CITY OF MOULTON
EXTENDED AERATION WASTEWATER TREATMENT PLANT
EXISTING FLOW DIAGRAM

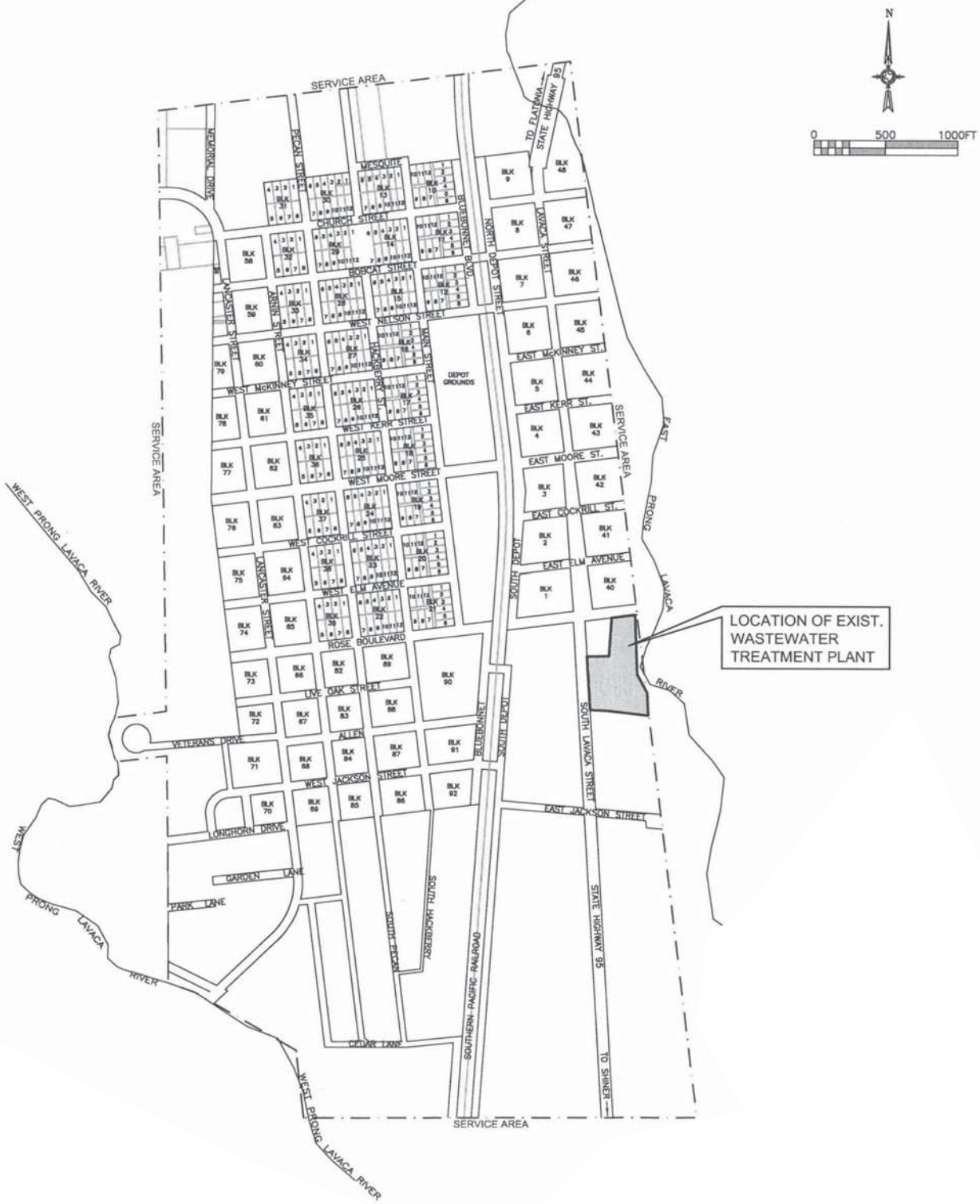


NOTES:
1. AVERAGE DAILY FLOW (NORTH PLANT): 0.12 MGD
   AVERAGE DAILY FLOW (SOUTH PLANT): 0.12 MGD
   AVERAGE DAILY FLOW (COMBINED): 0.24 MGD
2. RAS – RETURN ACTIVATED SLUDGE.
3. WAS – WASTE ACTIVATED SLUDGE.

Attachment H –

General Map

CITY OF MOULTON
WASTEWATER TREATMENT PLANT
GENERAL LOCATION MAP



Attachment I –

Justification of Permit Need

Attachment J –

Laboratory Report

ENVIRONMENTAL
MONITORING
LABORATORY , L.L.C

P.O. Box 477
6145 State Highway 171
Hillsboro, Texas 76645
Phone: 254-582-2622

BIOLOGICAL & CHEMICAL ANALYSIS / UTILITIES MANAGEMENT & OPERATION / WATERWELL DRILLING & SERVICE / GEOLOGICAL INVESTIGATION

ANALYTICAL REPORT 24092533

For:

City of Moulton

P.O Box 369
Moulton, Texas 77975

Sample Site: Renewal Analysis

Collected Date: 09/25/24

Certificate Number: T104704247
Lab Number: TX01547

Authorized for release by:
01-OCT-24

Lisa Soward, Data Manager

homeoffice@yourwaterlab.com

The test results in this report meet all 2009 NELAC and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory

ENVIRONMENTAL MONITORING LABORATORY , L.L.C

P.O. Box 477
6145 State Highway 171
Hillsboro, Texas 76645
Phone: 254-582-2622

BIOLOGICAL & CHEMICAL ANALYSIS / UTILITIES MANAGEMENT & OPERATION / WATERWELL DRILLING & SERVICE / GEOLOGICAL INVESTIGATION

ANALYTICAL RESULTS

Analytical Report: 24092533

Lab ID: 24092533-001
Client: City of Moulton
Sample Site: Renewal Analysis

Collected Date: 09/25/24 08:47
Received Date: 09/25/24 12:59
Report Date: 10/01/24

Matrix: Waste Water
Temp at Receipt: 2.1 °C
Sample Collector: HW

Analyte	Abbreviation	Method	TNI Cert	Date Analyzed	Result	Units
Ammonia Nitrogen	NH3N	SM 4500-NH3/D	NP	09/26/24 08:57	0.170	mg/L
Carbonaceous BOD	CBOD	SM 5210/B	NP	09/26/24 08:52	4	mg/L
Total Suspended Solids	TSS	SM 2540/D	NP/P	09/26/24 10:26	3	mg/L
pH	SM4500-H	SM4500/H	N	09/25/24 08:47	8.1	SU
Nitrate as N	E300.0	E 300.0	NP/P	09/25/24 14:22	18.5	mg/L
Dissolved Oxygen	DO	SM 4500-O	N	09/25/24 08:47	7.1	mg/L
Total Phosphorus (as P)	T.PHOS.	SM 4500-P/E	NP	09/30/24 10:14	4.77	mg/L
Nitrogen, Total Kjeldahl	TKN	SM 4500-NH3/D	NP	09/26/24 13:17	1.52	mg/L
Total dissolved solids	SM2540C	SM 2540/C	N	09/30/24 15:08	1364	mg/L
Sulfate	E300.0	E 300.0	NP/P	09/25/24 14:22	207	mg/L
Chloride	Cl-	SM 4500-Cl-/B	NP	09/26/24 15:50	405	mg/L
Chlorine	SM4500-CL	SM4500-CL	NP	09/25/24 08:47	4.0	mg/L
n-Hexane Extractable Material (HEM)	O&G	SM 5520/B	NP	09/30/24 09:38	<7.00	mg/L
Alkalinity, Total (CaCO3)	ALK	SM 2320/B	NP	09/26/24 10:54	214	mg/L
Conductivity @ 25C	Cond	SM 2510/B	NP	09/26/24 09:40	2300	umhos/cm
E. coli	*E. coli*	IDEXX Colilert	NP	09/25/24 13:25	<1.00	MPN/100 mL
Temperature	(water, on site)	(water, on site)	N	09/25/24 08:47	28.3	°C

P: Potable water NP: Non Potable water N: Not Certified

Version 1.000 was revised to correct clerical error. MAS 10/01/24

Control #: 24092533

QUALITY ASSURANCE & QUALITY CONTROL

ANALYTE	ABBR./ ALT.NAME	STANDARD METHOD	UNITS	Quality Control S.D.	CV%	REC.1%	REC.2%	MDL/PQL	Q
Nitrate as N	E300.0	E 300.0	mg/L					0.400 / 0.400	
Sulfate	E300.0	E 300.0	mg/L					1.00 / 1.80	
Alkalinity, Total (CaCO3)	ALK	SM 2320/B	mg/L					1.50 / 5.00	
Chloride	Cl-	SM 4500-Cl-/B	mg/L	0.70	0.14	100	102	1.00 / 3.00	
Ammonia Nitrogen	NH3N	SM 4500-NH3/D	mg/L	0.02	2.26	91.6	95.0	0.0300 / 0.100	
Nitrogen, Total Kjeldahl	TKN	SM 4500-NH3/D	mg/L	0.13	0.85	95.8	93.9	0.0200 / 0.120	
Total Phosphorus (as P)	T.PHOS.	SM 4500-P/E	mg/L	0.05	0.61	93.2	91.7	.02 / .05	
n-Hexane Extractable Material (HEM)	O&G	SM 5520/B	mg/L	0.21	0.21	99.5	99.5	7.00 / 7.00	
Chemical Oxygen Demand	COD	SM 5220/D	mg/L						
Turbidity	TURB.	SM 2130/B	NTUs						
Total Percent Solids	%d.w	SM 2540/G	%						N

Biochemical Oxygen Demand(BOD)
Carbonaceous Biochemical Oxygen Demand(CBOD)
Method: SM 5210/B

Results	Units	Description
0.08	mg/L	Blank 1 - CBOD
0.07	mg/L	Blank 2 - CBOD
0.07	mg/L	Blank 3 - CBOD
187	mg/L	G/GA Std 1 - CBOD
188	mg/L	G/GA Std 2 - CBOD
188	mg/L	G/GA Std 3 - CBOD
187	mg/L	**G/GA Average - CBOD**
0.71	mg/L	Seed Corr/mL - CBOD
0.71	mg/L	Seed Corr/mL - CBOD
0.71	mg/L	Seed Corr/mL - CBOD
0.71	mg/L	**Seed Corr Average - CBOD**

Dissolved Oxygen
Method: SM 4500-O*/G

Results	Units	Description
8.88	mg/L	Set Up Calibration
9.07	mg/L	Read Off Calibration
20	°C	Set Up Temperature
20	°C	Read Off Temperature
759	mm Hg	Set Up Barometer
762	mm Hg	Read Off Barometer

Fecal Coliform
Method: SM9222 /D MF

Results	Units	Description
	CFU/100ml	Pre Blank
	CFU/100ml	Post Blank

TDS by SM2540/C

Results	Units	Description
0	mg/L	Blank

E. coli By IDEXX Colilert (enumeration)

MPN/100 mL

Total Suspended Solids (TSS, MLSS)
Method: 2540/D

Results	Units	Description
0.1	mg/L	Blank 1
0	mg/L	Blank 2
0.1	mg/L	Blank 3
0.1	mg/L	Blank 4
1.04	%	Relative % Difference
4.53	%	Relative % Difference
2.06	%	Relative % Difference
4.35	%	Relative % Difference
1.75	%	Relative % Difference
3.77	%	Relative % Difference
4.08	%	Relative % Difference
4.12	%	Relative % Difference
0	%	Relative % Difference

Conductivity @ 25° C
Method: SM2510/B
Standards ran for each analytical batch.

Results	Units	Description
	umhos/cm	Conductivity Standard
	umhos/cm	Conductivity Standard
	umhos/cm	Conductivity Standard

Report Out Date: 10/01/2024

Lisa Soward
Data Manager

Final 1.001

QUALITY ASSURANCE & QUALITY CONTROL

Standard Method E 300.0
Matrix Waste Water
Batch Number 77985

Sample ID	Parameter	Result	Ref. Value	Spike Conc.	Per. Rec.	Rec. Limits	RPD	RPD Limits	Flags
77985-1-LCS	Nitrate as N	8.28 mg/L		8.00 mg/L	104%	90-110%		0-20%	
77985-1-LCSD	Nitrate as N	8.28 mg/L		8.00 mg/L	104%	90-110%	0%	0-20%	
77985-1-UNS	Nitrate as N	0.130 mg/L			0%	90-110%		0-20%	
24092504-001S	Nitrate as N	8.46 mg/L	0.130 mg/L	8.00 mg/L	104 %	80-120%		0-20%	
24092504-001SD	Nitrate as N	8.44 mg/L	0.130 mg/L	8.00 mg/L	104 %	80-120%	0.24%	0-20%	

Standard Method E 300.0
Matrix Waste Water
Batch Number 77986

Sample ID	Parameter	Result	Ref. Value	Spike Conc.	Per. Rec.	Rec. Limits	RPD	RPD Limits	Flags
77986-1-LCS	Sulfate	14.6 mg/L		15.0 mg/L	97%	90-110%		0-20%	
77986-1-LCSD	Sulfate	14.6 mg/L		15.0 mg/L	97%	90-110%	0%	0-20%	
77986-1-UNS	Sulfate	4.79 mg/L			0%	90-110%		0-20%	
24092060-001S	Sulfate	19.5 mg/L	4.79 mg/L	15.0 mg/L	98 %	80-120%		0-20%	
24092060-001SD	Sulfate	19.4 mg/L	4.79 mg/L	15.0 mg/L	97 %	80-120%	0.51%	0-20%	

Standard Method SM 2540/D
Matrix Waste Water
Batch Number 78001

Sample ID	Parameter	Result	Ref. Value	Spike Conc.	Per. Rec.	Rec. Limits	RPD	RPD Limits	Flags
78001-1-MB	Total Suspended Solids	0.1000 mg/L			0%	80-120%		0-10%	
78001-2-MB	Total Suspended Solids	<1.000 mg/L			0%	80-120%		0-10%	
78001-3-MB	Total Suspended Solids	0.1000 mg/L			0%	80-120%		0-10%	
78001-4-MB	Total Suspended Solids	0.1000 mg/L			0%	80-120%		0-10%	

Control #: 24092533

QUALITY ASSURANCE & QUALITY CONTROL

Standard Method SM 5210/B

Matrix Waste Water

Batch Number 78005

Sample ID	Parameter	Result	Ref. Value	Spike Conc.	Per. Rec.	Rec. Limits	RPD	RPD Limits	Flags
78005-1-BKS01	Carbonaceous BOD	187 mg/L		198 mg/L	94%	85-115%		0-25%	
78005-2-BKS02	Carbonaceous BOD	188 mg/L		198 mg/L	95%	85-115%		0-25%	
78005-3-BKS03	Carbonaceous BOD	188 mg/L		198 mg/L	95%	85-115%		0-25%	
78005-4-BKS04	Carbonaceous BOD	187 mg/L		198 mg/L	94%	85-115%		0-25%	
78005-1-BLK01	Carbonaceous BOD	0.0800 mg/L			0%	85-115%		0-25%	
78005-2-BLK02	Carbonaceous BOD	0.0700 mg/L			0%	85-115%		0-25%	
78005-3-BLK03	Carbonaceous BOD	0.0700 mg/L			0%	85-115%		0-25%	

Standard Method SM 2540/C

Matrix Waste Water

Batch Number 78039

Sample ID	Parameter	Result	Ref. Value	Spike Conc.	Per. Rec.	Rec. Limits	RPD	RPD Limits	Flags
78039-1-MB	Total dissolved solids	< mg/L			0%	80-120%		0-10%	

Environmental Monitoring Laboratory ◆ P.O. Box 477 / 6145 State Highway 171, Hillsboro, Texas 76645 ◆ Phone: (254) 582-2622

TCEQ Lab ID: T104704247-23-25

EPA Lab ID: TX01547

Panhandle Division 13260 South US Hwy 287 Amarillo, Texas 79118 Office: 806-335-9393 Emergency: 806-786-0612

Southwest Division 811 E. Young Street Llano, Texas 78643 Office: 325-247-3295 Emergency: 830-730-3317

East Texas Division 14295 S.H. 155 North Winona, Texas 75792 Office: 903-877-9222 Emergency: 817-357-6535

Coastal Division 34 East Ave., Schulenburg, Texas 78956 Office: 979-743-7010 Emergency: 254-221-3201

Purchase Order / Chain of Custody

24092533

Report To:	Report To: (Buyer)
Company: City of Moulton	Purchase Order #:
PO Box 369 Moulton, Tx 77975	Address:
Email:	Email:
Phone: 361-772-4988	Phone:
Project Name: Permit Renewal	Quote #:
Project Location: WWTP	City, State: Moulton, Tx
Date Due: Rush: 0% 25% 50% 100%	Sampler: (Please Print) Heather Wagner

ANALYSES REQUESTED

NOTES: Cl_2 4.0

Lab#	Client Sample ID	Matrix	Date	Time	Pres. Code	Bottle Code	CBOD	BOD	TSS	pH	DO (Temp 28.3)	NH3N (pH<2.0, H_2SO_4) SM4500-NH3 D or G unless specified	FECAL COLIFORM (E.COLI Sterile)	MLSS	ALKALINITY, Chloride, Conductivity, TDS	TKN, T. Phos.	Oil + Grease	Nitrate, Sulfate	Sample Remarks
24092533	1. Fe Renewal Analyses	WW	9/25/24	0847	1	1		X	X	8.1	7.1								
	2.				2	1						X				X			
	3.				6	1							X						
	4.				2	2											X		
	5.				1	1									X				
	6.				1	1												X	
	7.																		
	8.																		
	9.																		
	10.																		

Relinquished By:	Date	Time	Received By:	Date	Time
1.	9/25/24	1259	1. Lisa Sowards	9/25/24	1259
2.			2.		
3.			3.		
4.			4.		

COOLER ID: IR467
Ice: (YES) NO
Temperature: 2.1

* Preservation Codes: 1. None 2. Sulfuric 3. Nitric 4. NaOH + ZnAc 5. NaOH 6. Sterile + Thiosulfate

‡ Bottle Codes: 1. Plastic 2. Glass + Tef. 3. 40 ml VOA

Complete sample information is vital for proper login and reporting. EML may need to subcontract some analyses due to equipment or procedural limitations.

Check us out on the web: http://www.yourwaterlab.com **Email us at: homeoffice@yourwaterlab.com**

Revised 10/2023

ENVIRONMENTAL MONITORING LABORATORY, L.L.C.

BIOLOGICAL & CHEMICAL ANALYSIS / UTILITIES MANAGEMENT & OPERATION / WATERWELL DRILLING & SERVICE / GEOLOGICAL INVESTIGATION

October 7, 2024

City of Moulton
P.O Box 369
Moulton, Tx 77975

Re: City of Moulton – Digester – 870-83685-1

Dear Client:

EML collected samples on 09/30/24. They were submitted for analysis on 9/30/24. The following is the result of the analytical procedures performed on this sample and listed on the following pages that include QA/QC information, chain of custody form, and other lab identification information.

Respectfully Submitted,
Environmental Monitoring Laboratory

Lisa Soward

Lisa Soward B.A
Data Manager

ENVIRONMENTAL SCIENTIST
President
C.C. "Chuck" Blair, M.S. P.G. - B/B

Home Office: P. O. BOX 477 Hillsboro, TX 76645 Office: (254) 582-2622 Fax: (254) 582-0380 Email: homeoffice@yourwaterlab.com
Panhandle Division: 13260 South US Highway 287 Amarillo, TX 79114 Office: (806) 335-9393
Southwest Division: 811 E Young Street, Llano, TX 78643 Office: (325) 247-3295
East Texas Division: 14295 S.H. 155 North, Winona, TX 75792 Office: (903) 877-9222
Coastal Division: 34 East Avenue, Schulenburg, TX 78956 Office: (979) 743-7010

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brittney Perkins
Environmental Monitoring Laboratory, LLC
6145 State Highway 171
PO BOX 477
Hillsboro, Texas 76645

Generated 10/7/2024 3:13:55 PM

JOB DESCRIPTION

City of Moulton

JOB NUMBER

860-83685-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

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
10/7/2024 3:13:55 PM

Authorized for release by
Anita Patel, Project Manager
Anita.Patel@et.eurofinsus.com
(832)776-2275

Table of Contents

Qualifiers

GC/MS VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

LCMS

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

Metals

Qualifier	Qualifier Description
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
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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Job Narrative
860-83685-1

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

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

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

Receipt
The sample was received on 9/30/2024 10:36 AM. 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 6.0°C.

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 8270E_QQQ - TCLP: The surrogate recovery for the method blank, laboratory control sample and laboratory control sample duplicate associated with preparation batch 860-190874 and analytical batch 860-191032 was outside the upper control limit.

Method 8270E_QQQ - TCLP: The surrogate recovery for the leachate blank associated with preparation batch 860-190628 and 860-190874 and analytical batch 860-191032 was outside the upper control limit.

Method 8270E_QQQ - TCLP: The surrogate recovery for the blank, laboratory control sample and laboratory control sample duplicate associated with preparation batch 860-190957 and analytical batch 860-191032 was outside the upper control limits.

Method 8270E_QQQ - TCLP: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-190957 and analytical batch 860-191032 recovered outside control limits for the following analyte: Pyridine.

Method 8270E_QQQ - TCLP: 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: Digester (860-83685-1). 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.

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

Pesticides
Method 8081B - TCLP: The surrogate recovery for the blank associated with preparation batch 860-190956 and analytical batch 860-190974 was outside the upper control limits.
(MB 860-190956/1-A)

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

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

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

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

Job ID: 860-83685-1 (Continued)

Eurofins Houston

Detection Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83685-1

Client Sample ID: Digester

Lab Sample ID: 860-83685-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.137		0.0500	0.00625	mg/L	1		6010D	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: Digester

Date Collected: 09/30/24 07:45
Date Received: 09/30/24 10:36

Lab Sample ID: 860-83685-1
Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0230	U	0.0500	0.0230	mg/L			10/03/24 05:36	50
Carbon tetrachloride	<0.0448	U	0.250	0.0448	mg/L			10/03/24 05:36	50
Chlorobenzene	<0.0228	U	0.0500	0.0228	mg/L			10/03/24 05:36	50
Chloroform	<0.0232	U	0.0500	0.0232	mg/L			10/03/24 05:36	50
1,2-Dichloroethane	<0.0186	U	0.0500	0.0186	mg/L			10/03/24 05:36	50
1,1-Dichloroethene	<0.0369	U	0.0500	0.0369	mg/L			10/03/24 05:36	50
2-Butanone	<0.414	U	2.50	0.414	mg/L			10/03/24 05:36	50
Tetrachloroethene	<0.0328	U	0.0500	0.0328	mg/L			10/03/24 05:36	50
Trichloroethene	<0.0750	U	0.250	0.0750	mg/L			10/03/24 05:36	50
Vinyl chloride	<0.0214	U	0.100	0.0214	mg/L			10/03/24 05:36	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*63 - 144*		*10/03/24 05:36*	*50*
4-Bromofluorobenzene (Surr)	*93*		*74 - 124*		*10/03/24 05:36*	*50*
Dibromofluoromethane (Surr)	*108*		*75 - 131*		*10/03/24 05:36*	*50*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/03/24 05:36*	*50*

Method: SW846 8270E - Semivolatile Organic Compounds (GC-MS/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<1.56	U	11.4	1.56	ug/L		10/02/24 10:32	10/06/24 15:52	20
2,4,5-Trichlorophenol	<2.87	U	11.4	2.87	ug/L		10/02/24 10:32	10/06/24 15:52	20
2,4,6-Trichlorophenol	<4.62	U	11.4	4.62	ug/L		10/02/24 10:32	10/06/24 15:52	20
2,4-Dinitrotoluene	<4.10	U	11.4	4.10	ug/L		10/02/24 10:32	10/06/24 15:52	20
2-Methylphenol	<2.10	U	11.4	2.10	ug/L		10/02/24 10:32	10/06/24 15:52	20
3 & 4 Methylphenol	<2.78	U	11.4	2.78	ug/L		10/02/24 10:32	10/06/24 15:52	20
Hexachlorobenzene	<1.95	U	11.4	1.95	ug/L		10/02/24 10:32	10/06/24 15:52	20
Hexachlorobutadiene	<2.06	U	11.4	2.06	ug/L		10/02/24 10:32	10/06/24 15:52	20
Hexachloroethane	<2.04	U	11.4	2.04	ug/L		10/02/24 10:32	10/06/24 15:52	20
Nitrobenzene	<1.47	U	11.4	1.47	ug/L		10/02/24 10:32	10/06/24 15:52	20
Pentachlorophenol	<20.8	U	22.9	20.8	ug/L		10/02/24 10:32	10/06/24 15:52	20
Pyridine	<28.8	U *1	57.2	28.8	ug/L		10/02/24 10:32	10/06/24 15:52	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*35 - 130*	*10/02/24 10:32*	*10/06/24 15:52*	*20*
2-Fluorophenol (Surr)	*86*		*19 - 120*	*10/02/24 10:32*	*10/06/24 15:52*	*20*
2-Fluorobiphenyl	*110*		*43 - 130*	*10/02/24 10:32*	*10/06/24 15:52*	*20*
Nitrobenzene-d5 (Surr)	*114*		*37 - 133*	*10/02/24 10:32*	*10/06/24 15:52*	*20*
Phenol-d5 (Surr)	*60*		*8 - 124*	*10/02/24 10:32*	*10/06/24 15:52*	*20*
p-Terphenyl-d14 (Surr)	*136*	*S1+*	*47 - 130*	*10/02/24 10:32*	*10/06/24 15:52*	*20*

Method: SW846 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<0.000194	U	0.000996	0.000194	mg/L		10/02/24 10:26	10/02/24 14:45	1
Endrin	<0.0000165	U	0.0000498	0.0000165	mg/L		10/02/24 10:26	10/02/24 14:45	1
Heptachlor	<0.0000174	U	0.0000498	0.0000174	mg/L		10/02/24 10:26	10/02/24 14:45	1
Heptachlor epoxide	<0.0000181	U	0.0000498	0.0000181	mg/L		10/02/24 10:26	10/02/24 14:45	1
gamma-BHC (Lindane)	<0.0000169	U	0.0000498	0.0000169	mg/L		10/02/24 10:26	10/02/24 14:45	1
Methoxychlor	<0.0000185	U	0.0000498	0.0000185	mg/L		10/02/24 10:26	10/02/24 14:45	1
Toxaphene	<0.000317	U	0.000996	0.000317	mg/L		10/02/24 10:26	10/02/24 14:45	1

Client Sample ID: Digester
Lab Sample ID: 860-83685-1

Date Collected: 09/30/24 07:45
Matrix: Solid
Date Received: 09/30/24 10:36

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*81*		*28 - 94*	*10/02/24 10:26*	*10/02/24 14:45*	*1*
Tetrachloro-m-xylene	*91*		*52 - 134*	*10/02/24 10:26*	*10/02/24 14:45*	*1*

Method: SW846 8321B - Herbicides (LC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<3.00	U	12.5	3.00	ug/Kg			10/02/24 14:23	1
2,4-D	<2.70	U	12.5	2.70	ug/Kg			10/02/24 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*116*		*50 - 150*		*10/02/24 14:23*	*1*

Method: SW846 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0325	U	0.0500	0.0325	mg/L		10/02/24 10:30	10/02/24 19:14	1
Barium	**0.137**		0.0500	0.00625	mg/L		10/02/24 10:30	10/02/24 19:14	1
Cadmium	<0.00416	U	0.0250	0.00416	mg/L		10/02/24 10:30	10/02/24 19:14	1
Chromium	<0.0108	U	0.0500	0.0108	mg/L		10/02/24 10:30	10/02/24 19:14	1
Lead	<0.0184	U	0.0500	0.0184	mg/L		10/02/24 10:30	10/02/24 19:14	1
Nickel	<0.00885	U	0.0500	0.00885	mg/L		10/02/24 10:30	10/02/24 19:14	1
Selenium	<0.0464	U	0.150	0.0464	mg/L		10/02/24 10:30	10/02/24 19:14	1
Silver	<0.0394	U	0.100	0.0394	mg/L		10/02/24 10:30	10/02/24 19:14	1
Beryllium	<0.00535	U	0.0200	0.00535	mg/L		10/02/24 10:30	10/02/24 19:14	1
Antimony	<0.0402	U	0.100	0.0402	mg/L		10/02/24 10:30	10/02/24 19:14	1

Method: SW846 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/03/24 03:55	10/03/24 18:51	1

Client Sample ID: Digester
Lab Sample ID: 860-83685-1

Date Collected: 09/30/24 07:45
Matrix: Solid
Date Received: 09/30/24 10:36
Percent Solids: 1.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<1.24	U	5.24	1.24	mg/Kg	☼	10/04/24 08:25	10/04/24 10:31	1
PCB-1221	<1.24	U	5.24	1.24	mg/Kg	☼	10/04/24 08:25	10/04/24 10:31	1
PCB-1232	<1.24	U	5.24	1.24	mg/Kg	☼	10/04/24 08:25	10/04/24 10:31	1
PCB-1242	<1.24	U	5.24	1.24	mg/Kg	☼	10/04/24 08:25	10/04/24 10:31	1
PCB-1248	<1.24	U	5.24	1.24	mg/Kg	☼	10/04/24 08:25	10/04/24 10:31	1
PCB-1254	<0.820	U	5.24	0.820	mg/Kg	☼	10/04/24 08:25	10/04/24 10:31	1
PCB-1260	<0.820	U	5.24	0.820	mg/Kg	☼	10/04/24 08:25	10/04/24 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*35 - 140*	*10/04/24 08:25*	*10/04/24 10:31*	*1*
DCB Decachlorobiphenyl (Surr)	*110*		*37 - 142*	*10/04/24 08:25*	*10/04/24 10:31*	*1*

Surrogate Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83685-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
LCS 860-191072/3	Lab Control Sample	95	103	101	98
LCSD 860-191072/4	Lab Control Sample Dup	94	106	100	99
MB 860-191072/10	Method Blank	100	91	103	94

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
860-83685-1	Digester	103	93	108	94
LB 860-190919/1-A	Method Blank	96	99	103	95

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	FBP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(35-130)	(19-120)	(43-130)	(37-133)	(8-124)	(47-130)
LCS 860-190957/2-A	Lab Control Sample	107	72	112	125	49	157 S1+
LCSD 860-190957/3-A	Lab Control Sample Dup	112	67	115	127	44	160 S1+
MB 860-190874/1-A	Method Blank	87	61	103	106	37	143 S1+
MB 860-190957/1-A	Method Blank	113	73	122	131	47	164 S1+

Surrogate Legend

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

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	2FP	FBP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(35-130)	(19-120)	(43-130)	(37-133)	(8-124)	(47-130)
860-83685-1	Digester	86	86	110	114	60	136 S1+
LB 860-190628/1-C	Method Blank	134 S1+	90	106	123	58	160 S1+

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(28-94)	(52-134)
LCS 860-190956/2-A	Lab Control Sample	91	85
LCSD 860-190956/3-A	Lab Control Sample Dup	88	81
MB 860-190956/1-A	Method Blank	99 S1+	90

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid — **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(28-94)	(52-134)
860-83685-1	Digester	81	91
LB 860-190628/1-B	Method Blank	80	83

Surrogate Legend

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

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(35-140)	(37-142)
860-83685-1	Digester	91	110
LCS 860-191247/2-A	Lab Control Sample	90	119
LCSD 860-191247/3-A	Lab Control Sample Dup	85	117
MB 860-191247/1-A	Method Blank	94	114

Surrogate Legend

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

Method: 8321B - Herbicides (LC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA
Lab Sample ID	Client Sample ID	(50-150)
LCS 860-190972/5	Lab Control Sample	110
LCSD 860-190972/6	Lab Control Sample Dup	123
MB 860-190972/10	Method Blank	109

Surrogate Summary

Client: Environmental Monitoring Laboratory, LLC
Job ID: 860-83685-1
Project/Site: City of Moulton

Surrogate Legend
DCPAA = DCAA

Method: 8321B - Herbicides (LC/MS)

Matrix: Solid
Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**DCPAA (50-150)**
860-83685-1	Digester	116
LB 860-190628/1-A	Method Blank	107

Surrogate Legend
DCPAA = DCAA

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-191072/10
Matrix: Solid
Analysis Batch: 191072

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000460	U	0.00100	0.000460	mg/L			10/02/24 23:26	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			10/02/24 23:26	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			10/02/24 23:26	1
Chloroform	<0.000464	U	0.00100	0.000464	mg/L			10/02/24 23:26	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			10/02/24 23:26	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			10/02/24 23:26	1
2-Butanone	<0.00828	U	0.0500	0.00828	mg/L			10/02/24 23:26	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			10/02/24 23:26	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			10/02/24 23:26	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			10/02/24 23:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*63 - 144*		*10/02/24 23:26*	*1*
4-Bromofluorobenzene (Surr)	*91*		*74 - 124*		*10/02/24 23:26*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*10/02/24 23:26*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/02/24 23:26*	*1*

Lab Sample ID: LCS 860-191072/3
Matrix: Solid
Analysis Batch: 191072

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.05291		mg/L		106	75 - 125
Carbon tetrachloride	0.0500	0.05313		mg/L		106	70 - 125
Chlorobenzene	0.0500	0.05393		mg/L		108	82 - 135
Chloroform	0.0500	0.05283		mg/L		106	70 - 121
1,2-Dichloroethane	0.0500	0.04817		mg/L		96	72 - 130
1,1-Dichloroethene	0.0500	0.05884		mg/L		118	50 - 150
2-Butanone	0.250	0.2871		mg/L		115	60 - 140
Tetrachloroethene	0.0500	0.05760		mg/L		115	71 - 125
Trichloroethene	0.0500	0.05639		mg/L		113	75 - 135
Vinyl chloride	0.0500	0.05507		mg/L		110	60 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 144*
4-Bromofluorobenzene (Surr)	*103*		*74 - 124*
Dibromofluoromethane (Surr)	*101*		*75 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 860-191072/4
Matrix: Solid
Analysis Batch: 191072

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
Benzene	0.0500	0.05363		mg/L		107	75 - 125	1	25
Carbon tetrachloride	0.0500	0.05098		mg/L		102	70 - 125	4	25
Chlorobenzene	0.0500	0.05437		mg/L		109	82 - 135	1	25
Chloroform	0.0500	0.05343		mg/L		107	70 - 121	1	25

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-191072/4
Matrix: Solid
Analysis Batch: 191072

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
1,2-Dichloroethane	0.0500	0.04814		mg/L		96	72 - 130	0	25
1,1-Dichloroethene	0.0500	0.05807		mg/L		116	50 - 150	1	25
2-Butanone	0.250	0.2807		mg/L		112	60 - 140	2	25
Tetrachloroethene	0.0500	0.05556		mg/L		111	71 - 125	4	25
Trichloroethene	0.0500	0.05493		mg/L		110	75 - 135	3	25
Vinyl chloride	0.0500	0.05383		mg/L		108	60 - 140	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*63 - 144*
4-Bromofluorobenzene (Surr)	*106*		*74 - 124*
Dibromofluoromethane (Surr)	*100*		*75 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LB 860-190919/1-A
Matrix: Solid
Analysis Batch: 191072

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00230	U	0.00500	0.00230	mg/L			10/02/24 23:06	5
Carbon tetrachloride	<0.00448	U	0.0250	0.00448	mg/L			10/02/24 23:06	5
Chlorobenzene	<0.00228	U	0.00500	0.00228	mg/L			10/02/24 23:06	5
Chloroform	<0.00232	U	0.00500	0.00232	mg/L			10/02/24 23:06	5
1,2-Dichloroethane	<0.00186	U	0.00500	0.00186	mg/L			10/02/24 23:06	5
1,1-Dichloroethene	<0.00369	U	0.00500	0.00369	mg/L			10/02/24 23:06	5
2-Butanone	<0.0414	U	0.250	0.0414	mg/L			10/02/24 23:06	5
Tetrachloroethene	<0.00328	U	0.00500	0.00328	mg/L			10/02/24 23:06	5
Trichloroethene	<0.00750	U	0.0250	0.00750	mg/L			10/02/24 23:06	5
Vinyl chloride	<0.00214	U	0.0100	0.00214	mg/L			10/02/24 23:06	5

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 144*		*10/02/24 23:06*	*5*
4-Bromofluorobenzene (Surr)	*99*		*74 - 124*		*10/02/24 23:06*	*5*
Dibromofluoromethane (Surr)	*103*		*75 - 131*		*10/02/24 23:06*	*5*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/02/24 23:06*	*5*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS)

Lab Sample ID: MB 860-190874/1-A
Matrix: Solid
Analysis Batch: 191032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0779	U	0.571	0.0779	ug/L		10/02/24 05:36	10/02/24 21:00	1
2,4,5-Trichlorophenol	<0.143	U	0.571	0.143	ug/L		10/02/24 05:36	10/02/24 21:00	1
2,4,6-Trichlorophenol	<0.231	U	0.571	0.231	ug/L		10/02/24 05:36	10/02/24 21:00	1
2,4-Dinitrotoluene	<0.205	U	0.571	0.205	ug/L		10/02/24 05:36	10/02/24 21:00	1
2-Methylphenol	<0.105	U	0.571	0.105	ug/L		10/02/24 05:36	10/02/24 21:00	1
3 & 4 Methylphenol	<0.139	U	0.571	0.139	ug/L		10/02/24 05:36	10/02/24 21:00	1

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: MB 860-190874/1-A
Matrix: Solid
Analysis Batch: 191032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	<0.0975	U	0.571	0.0975	ug/L		10/02/24 05:36	10/02/24 21:00	1
Hexachlorobutadiene	<0.103	U	0.571	0.103	ug/L		10/02/24 05:36	10/02/24 21:00	1
Hexachloroethane	<0.102	U	0.571	0.102	ug/L		10/02/24 05:36	10/02/24 21:00	1
Nitrobenzene	<0.0736	U	0.571	0.0736	ug/L		10/02/24 05:36	10/02/24 21:00	1
Pentachlorophenol	<1.04	U	1.14	1.04	ug/L		10/02/24 05:36	10/02/24 21:00	1
Pyridine	<1.44	U	2.86	1.44	ug/L		10/02/24 05:36	10/02/24 21:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*35 - 130*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
2-Fluorophenol (Surr)	*61*		*19 - 120*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
2-Fluorobiphenyl	*103*		*43 - 130*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
Nitrobenzene-d5 (Surr)	*106*		*37 - 133*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
Phenol-d5 (Surr)	*37*		*8 - 124*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
p-Terphenyl-d14 (Surr)	*143*	*S1+*	*47 - 130*	*10/02/24 05:36*	*10/02/24 21:00*	*1*

Lab Sample ID: MB 860-190957/1-A
Matrix: Solid
Analysis Batch: 191032

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0779	U	0.571	0.0779	ug/L		10/02/24 10:32	10/02/24 23:30	1
2,4,5-Trichlorophenol	<0.143	U	0.571	0.143	ug/L		10/02/24 10:32	10/02/24 23:30	1
2,4,6-Trichlorophenol	<0.231	U	0.571	0.231	ug/L		10/02/24 10:32	10/02/24 23:30	1
2,4-Dinitrotoluene	<0.205	U	0.571	0.205	ug/L		10/02/24 10:32	10/02/24 23:30	1
2-Methylphenol	<0.105	U	0.571	0.105	ug/L		10/02/24 10:32	10/02/24 23:30	1
3 & 4 Methylphenol	<0.139	U	0.571	0.139	ug/L		10/02/24 10:32	10/02/24 23:30	1
Hexachlorobenzene	<0.0975	U	0.571	0.0975	ug/L		10/02/24 10:32	10/02/24 23:30	1
Hexachlorobutadiene	<0.103	U	0.571	0.103	ug/L		10/02/24 10:32	10/02/24 23:30	1
Hexachloroethane	<0.102	U	0.571	0.102	ug/L		10/02/24 10:32	10/02/24 23:30	1
Nitrobenzene	<0.0736	U	0.571	0.0736	ug/L		10/02/24 10:32	10/02/24 23:30	1
Pentachlorophenol	<1.04	U	1.14	1.04	ug/L		10/02/24 10:32	10/02/24 23:30	1
Pyridine	<1.44	U	2.86	1.44	ug/L		10/02/24 10:32	10/02/24 23:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*113*		*35 - 130*	*10/02/24 10:32*	*10/02/24 23:30*	*1*
2-Fluorophenol (Surr)	*73*		*19 - 120*	*10/02/24 10:32*	*10/02/24 23:30*	*1*
2-Fluorobiphenyl	*122*		*43 - 130*	*10/02/24 10:32*	*10/02/24 23:30*	*1*
Nitrobenzene-d5 (Surr)	*131*		*37 - 133*	*10/02/24 10:32*	*10/02/24 23:30*	*1*
Phenol-d5 (Surr)	*47*		*8 - 124*	*10/02/24 10:32*	*10/02/24 23:30*	*1*
p-Terphenyl-d14 (Surr)	*164*	*S1+*	*47 - 130*	*10/02/24 10:32*	*10/02/24 23:30*	*1*

Lab Sample ID: LCS 860-190957/2-A
Matrix: Solid
Analysis Batch: 191032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	2.86	2.713		ug/L		95	28 - 130
2,4,5-Trichlorophenol	2.86	3.045		ug/L		107	35 - 130

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LCS 860-190957/2-A
Matrix: Solid
Analysis Batch: 191032

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	2.86	2.557		ug/L		89	52 - 129
2,4-Dinitrotoluene	2.86	3.071		ug/L		107	48 - 127
2-Methylphenol	2.86	3.037		ug/L		106	14 - 176
3 & 4 Methylphenol	2.86	2.330		ug/L		82	22 - 130
Hexachlorobenzene	2.86	3.583		ug/L		125	8 - 142
Hexachlorobutadiene	2.86	2.251		ug/L		79	10 - 130
Hexachloroethane	2.86	2.263		ug/L		79	10 - 130
Nitrobenzene	2.86	3.483		ug/L		122	54 - 130
Pentachlorophenol	2.86	1.921		ug/L		67	38 - 152
Pyridine	2.86	<1.44	U	ug/L		31	1 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*35 - 130*
2-Fluorophenol (Surr)	*72*		*19 - 120*
2-Fluorobiphenyl	*112*		*43 - 130*
Nitrobenzene-d5 (Surr)	*125*		*37 - 133*
Phenol-d5 (Surr)	*49*		*8 - 124*
p-Terphenyl-d14 (Surr)	*157*	*S1+*	*47 - 130*

Lab Sample ID: LCSD 860-190957/3-A
Matrix: Solid
Analysis Batch: 191032

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190957

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dichlorobenzene	2.86	2.477		ug/L		87	28 - 130	9	30
2,4,5-Trichlorophenol	2.86	3.015		ug/L		106	35 - 130	1	30
2,4,6-Trichlorophenol	2.86	2.581		ug/L		90	52 - 129	1	30
2,4-Dinitrotoluene	2.86	3.013		ug/L		105	48 - 127	2	30
2-Methylphenol	2.86	2.784		ug/L		97	14 - 176	9	30
3 & 4 Methylphenol	2.86	2.130		ug/L		75	22 - 130	9	30
Hexachlorobenzene	2.86	3.684		ug/L		129	8 - 142	3	30
Hexachlorobutadiene	2.86	2.356		ug/L		82	10 - 130	5	30
Hexachloroethane	2.86	1.968		ug/L		69	10 - 130	14	30
Nitrobenzene	2.86	3.204		ug/L		112	54 - 130	8	30
Pentachlorophenol	2.86	2.294		ug/L		80	38 - 152	18	30
Pyridine	2.86	<1.44	U *1	ug/L		8	1 - 126	119	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*112*		*35 - 130*
2-Fluorophenol (Surr)	*67*		*19 - 120*
2-Fluorobiphenyl	*115*		*43 - 130*
Nitrobenzene-d5 (Surr)	*127*		*37 - 133*
Phenol-d5 (Surr)	*44*		*8 - 124*
p-Terphenyl-d14 (Surr)	*160*	*S1+*	*47 - 130*

Method: 8270E - Semivolatile Organic Compounds (GC-MS/MS) (Continued)

Lab Sample ID: LB 860-190628/1-C
Matrix: Solid
Analysis Batch: 191032

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 190874

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.0776	U	0.569	0.0776	ug/L		10/02/24 10:31	10/03/24 01:59	1
2,4,5-Trichlorophenol	<0.143	U	0.569	0.143	ug/L		10/02/24 10:31	10/03/24 01:59	1
2,4,6-Trichlorophenol	<0.230	U	0.569	0.230	ug/L		10/02/24 10:31	10/03/24 01:59	1
2,4-Dinitrotoluene	<0.204	U	0.569	0.204	ug/L		10/02/24 10:31	10/03/24 01:59	1
2-Methylphenol	<0.104	U	0.569	0.104	ug/L		10/02/24 10:31	10/03/24 01:59	1
3 & 4 Methylphenol	<0.138	U	0.569	0.138	ug/L		10/02/24 10:31	10/03/24 01:59	1
Hexachlorobenzene	<0.0971	U	0.569	0.0971	ug/L		10/02/24 10:31	10/03/24 01:59	1
Hexachlorobutadiene	<0.102	U	0.569	0.102	ug/L		10/02/24 10:31	10/03/24 01:59	1
Hexachloroethane	<0.101	U	0.569	0.101	ug/L		10/02/24 10:31	10/03/24 01:59	1
Nitrobenzene	<0.0733	U	0.569	0.0733	ug/L		10/02/24 10:31	10/03/24 01:59	1
Pentachlorophenol	<1.03	U	1.14	1.03	ug/L		10/02/24 10:31	10/03/24 01:59	1
Pyridine	<1.43	U	2.84	1.43	ug/L		10/02/24 10:31	10/03/24 01:59	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*134*	*S1+*	*35 - 130*	*10/02/24 10:31*	*10/03/24 01:59*	*1*
2-Fluorophenol (Surr)	*90*		*19 - 120*	*10/02/24 10:31*	*10/03/24 01:59*	*1*
2-Fluorobiphenyl	*106*		*43 - 130*	*10/02/24 10:31*	*10/03/24 01:59*	*1*
Nitrobenzene-d5 (Surr)	*123*		*37 - 133*	*10/02/24 10:31*	*10/03/24 01:59*	*1*
Phenol-d5 (Surr)	*58*		*8 - 124*	*10/02/24 10:31*	*10/03/24 01:59*	*1*
p-Terphenyl-d14 (Surr)	*160*	*S1+*	*47 - 130*	*10/02/24 10:31*	*10/03/24 01:59*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 860-190956/1-A
Matrix: Solid
Analysis Batch: 190974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190956

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<0.000195	U	0.00100	0.000195	mg/L		10/02/24 10:26	10/02/24 12:52	1
Endrin	<0.0000166	U	0.0000500	0.0000166	mg/L		10/02/24 10:26	10/02/24 12:52	1
Heptachlor	<0.0000174	U	0.0000500	0.0000174	mg/L		10/02/24 10:26	10/02/24 12:52	1
Heptachlor epoxide	<0.0000182	U	0.0000500	0.0000182	mg/L		10/02/24 10:26	10/02/24 12:52	1
gamma-BHC (Lindane)	<0.0000170	U	0.0000500	0.0000170	mg/L		10/02/24 10:26	10/02/24 12:52	1
Methoxychlor	<0.0000186	U	0.0000500	0.0000186	mg/L		10/02/24 10:26	10/02/24 12:52	1
Toxaphene	<0.000318	U	0.00100	0.000318	mg/L		10/02/24 10:26	10/02/24 12:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*99*	*S1+*	*28 - 94*	*10/02/24 10:26*	*10/02/24 12:52*	*1*
Tetrachloro-m-xylene	*90*		*52 - 134*	*10/02/24 10:26*	*10/02/24 12:52*	*1*

Lab Sample ID: LCS 860-190956/2-A
Matrix: Solid
Analysis Batch: 190974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin	0.00125	0.001088		mg/L		87	55 - 102
Heptachlor	0.00125	0.001264		mg/L		101	55 - 106
Heptachlor epoxide	0.00125	0.001174		mg/L		94	56 - 109

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 860-190956/2-A
Matrix: Solid
Analysis Batch: 190974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-BHC (Lindane)	0.00125	0.001234		mg/L		99	59 - 107
Methoxychlor	0.00125	0.0009524		mg/L		76	53 - 102

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*91*		*28 - 94*
Tetrachloro-m-xylene	*85*		*52 - 134*

Lab Sample ID: LCSD 860-190956/3-A
Matrix: Solid
Analysis Batch: 190974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190956

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin	0.00125	0.001045		mg/L		84	55 - 102	4	25
Heptachlor	0.00125	0.001199		mg/L		96	55 - 106	5	25
Heptachlor epoxide	0.00125	0.001123		mg/L		90	56 - 109	5	25
gamma-BHC (Lindane)	0.00125	0.001163		mg/L		93	59 - 107	6	25
Methoxychlor	0.00125	0.0009152		mg/L		73	53 - 102	4	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*88*		*28 - 94*
Tetrachloro-m-xylene	*81*		*52 - 134*

Lab Sample ID: LB 860-190628/1-B
Matrix: Solid
Analysis Batch: 190974

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 190956

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodane	<0.000195	U	0.00100	0.000195	mg/L		10/02/24 10:26	10/02/24 13:48	1
Endrin	<0.0000166	U	0.0000500	0.0000166	mg/L		10/02/24 10:26	10/02/24 13:48	1
Heptachlor	<0.0000174	U	0.0000500	0.0000174	mg/L		10/02/24 10:26	10/02/24 13:48	1
Heptachlor epoxide	<0.0000182	U	0.0000500	0.0000182	mg/L		10/02/24 10:26	10/02/24 13:48	1
gamma-BHC (Lindane)	<0.0000170	U	0.0000500	0.0000170	mg/L		10/02/24 10:26	10/02/24 13:48	1
Methoxychlor	<0.0000186	U	0.0000500	0.0000186	mg/L		10/02/24 10:26	10/02/24 13:48	1
Toxaphene	<0.000318	U	0.00100	0.000318	mg/L		10/02/24 10:26	10/02/24 13:48	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*28 - 94*	*10/02/24 10:26*	*10/02/24 13:48*	*1*
Tetrachloro-m-xylene	*83*		*52 - 134*	*10/02/24 10:26*	*10/02/24 13:48*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 860-191247/1-A
Matrix: Solid
Analysis Batch: 191196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00395	U	0.0167	0.00395	mg/Kg		10/03/24 10:57	10/03/24 15:21	1
PCB-1221	<0.00395	U	0.0167	0.00395	mg/Kg		10/03/24 10:57	10/03/24 15:21	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 860-191247/1-A
Matrix: Solid
Analysis Batch: 191196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	<0.00395	U	0.0167	0.00395	mg/Kg		10/03/24 10:57	10/03/24 15:21	1
PCB-1242	<0.00395	U	0.0167	0.00395	mg/Kg		10/03/24 10:57	10/03/24 15:21	1
PCB-1248	<0.00395	U	0.0167	0.00395	mg/Kg		10/03/24 10:57	10/03/24 15:21	1
PCB-1254	<0.00261	U	0.0167	0.00261	mg/Kg		10/03/24 10:57	10/03/24 15:21	1
PCB-1260	<0.00261	U	0.0167	0.00261	mg/Kg		10/03/24 10:57	10/03/24 15:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*35 - 140*	*10/03/24 10:57*	*10/03/24 15:21*	*1*
DCB Decachlorobiphenyl (Surr)	*114*		*37 - 142*	*10/03/24 10:57*	*10/03/24 15:21*	*1*

Lab Sample ID: LCS 860-191247/2-A
Matrix: Solid
Analysis Batch: 191196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.167	0.1761		mg/Kg		106	27 - 121
PCB-1260	0.167	0.2101		mg/Kg		126	27 - 139

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*35 - 140*
DCB Decachlorobiphenyl (Surr)	*119*		*37 - 142*

Lab Sample ID: LCSD 860-191247/3-A
Matrix: Solid
Analysis Batch: 191196

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	0.167	0.1760		mg/Kg		106	27 - 121	0	20
PCB-1260	0.167	0.2066		mg/Kg		124	27 - 139	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*85*		*35 - 140*
DCB Decachlorobiphenyl (Surr)	*117*		*37 - 142*

Method: 8321B - Herbicides (LC/MS)

Lab Sample ID: MB 860-190972/10
Matrix: Solid
Analysis Batch: 190972

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<1.20	U	5.00	1.20	ug/Kg			10/02/24 11:26	1
2,4-D	<1.08	U	5.00	1.08	ug/Kg			10/02/24 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*109*		*50 - 150*		*10/02/24 11:26*	*1*

Method: 8321B - Herbicides (LC/MS) (Continued)

Lab Sample ID: LCS 860-190972/5
Matrix: Solid
Analysis Batch: 190972

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	40.2	44.73		ug/Kg		111	50 - 150
2,4-D	40.7	43.15		ug/Kg		106	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*110*		*50 - 150*

Lab Sample ID: LCSD 860-190972/6
Matrix: Solid
Analysis Batch: 190972

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
Silvex (2,4,5-TP)	40.2	47.55		ug/Kg		118	50 - 150	6	30
2,4-D	40.7	46.99		ug/Kg		116	50 - 150	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA	*123*		*50 - 150*

Lab Sample ID: LB 860-190628/1-A
Matrix: Solid
Analysis Batch: 190972

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<3.00	U	12.5	3.00	ug/Kg			10/02/24 14:01	1
2,4-D	<2.70	U	12.5	2.70	ug/Kg			10/02/24 14:01	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*107*		*50 - 150*		*10/02/24 14:01*	*1*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 860-190964/1-A
Matrix: Solid
Analysis Batch: 191279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190964

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/02/24 10:30	10/02/24 18:30	1
Barium	<0.00125	U	0.0100	0.00125	mg/L		10/02/24 10:30	10/02/24 18:30	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/02/24 10:30	10/02/24 18:30	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/02/24 10:30	10/02/24 18:30	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/02/24 10:30	10/02/24 18:30	1
Nickel	<0.00177	U	0.0100	0.00177	mg/L		10/02/24 10:30	10/02/24 18:30	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/02/24 10:30	10/02/24 18:30	1
Silver	<0.00788	U	0.0200	0.00788	mg/L		10/02/24 10:30	10/02/24 18:30	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/02/24 10:30	10/02/24 18:30	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/02/24 10:30	10/02/24 18:30	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-190964/2-A
Matrix: Solid
Analysis Batch: 191279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.030		mg/L		103	80 - 120
Barium	1.00	0.9970		mg/L		100	80 - 120
Cadmium	1.00	1.000		mg/L		100	80 - 120
Chromium	1.00	1.010		mg/L		101	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120
Nickel	1.00	1.020		mg/L		102	80 - 120
Selenium	1.00	1.060		mg/L		106	80 - 120
Silver	0.500	0.4820		mg/L		96	80 - 120
Beryllium	1.00	0.9940		mg/L		99	80 - 120
Antimony	1.00	0.9320		mg/L		93	80 - 120

Lab Sample ID: LCSD 860-190964/3-A
Matrix: Solid
Analysis Batch: 191279

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190964

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1.00	1.030		mg/L		103	80 - 120	0	20
Barium	1.00	0.9970		mg/L		100	80 - 120	0	20
Cadmium	1.00	1.000		mg/L		100	80 - 120	0	20
Chromium	1.00	1.010		mg/L		101	80 - 120	0	20
Lead	1.00	1.010		mg/L		101	80 - 120	0	20
Nickel	1.00	1.010		mg/L		101	80 - 120	1	20
Selenium	1.00	1.060		mg/L		106	80 - 120	0	20
Silver	0.500	0.4830		mg/L		97	80 - 120	0	20
Beryllium	1.00	0.9960		mg/L		100	80 - 120	0	20
Antimony	1.00	0.9590		mg/L		96	80 - 120	3	20

Lab Sample ID: LB 860-190628/1-D
Matrix: Solid
Analysis Batch: 191279

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 190964

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0325	U	0.0500	0.0325	mg/L		10/02/24 10:30	10/02/24 18:52	1
Barium	<0.00625	U	0.0500	0.00625	mg/L		10/02/24 10:30	10/02/24 18:52	1
Cadmium	<0.00416	U	0.0250	0.00416	mg/L		10/02/24 10:30	10/02/24 18:52	1
Chromium	<0.0108	U	0.0500	0.0108	mg/L		10/02/24 10:30	10/02/24 18:52	1
Lead	<0.0184	U	0.0500	0.0184	mg/L		10/02/24 10:30	10/02/24 18:52	1
Nickel	<0.00885	U	0.0500	0.00885	mg/L		10/02/24 10:30	10/02/24 18:52	1
Selenium	<0.0464	U	0.150	0.0464	mg/L		10/02/24 10:30	10/02/24 18:52	1
Silver	<0.0394	U	0.100	0.0394	mg/L		10/02/24 10:30	10/02/24 18:52	1
Beryllium	<0.00535	U	0.0200	0.00535	mg/L		10/02/24 10:30	10/02/24 18:52	1
Antimony	<0.0402	U	0.100	0.0402	mg/L		10/02/24 10:30	10/02/24 18:52	1

Lab Sample ID: LB 860-190631/1-B
Matrix: Solid
Analysis Batch: 191279

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 190964

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00650	U	0.0100	0.00650	mg/L		10/02/24 10:30	10/02/24 18:35	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LB 860-190631/1-B
Matrix: Solid
Analysis Batch: 191279

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 190964

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00125	U	0.0100	0.00125	mg/L		10/02/24 10:30	10/02/24 18:35	1
Cadmium	<0.000831	U	0.00500	0.000831	mg/L		10/02/24 10:30	10/02/24 18:35	1
Chromium	<0.00216	U	0.0100	0.00216	mg/L		10/02/24 10:30	10/02/24 18:35	1
Lead	<0.00368	U	0.0100	0.00368	mg/L		10/02/24 10:30	10/02/24 18:35	1
Nickel	<0.00177	U	0.0100	0.00177	mg/L		10/02/24 10:30	10/02/24 18:35	1
Selenium	<0.00927	U	0.0300	0.00927	mg/L		10/02/24 10:30	10/02/24 18:35	1
Silver	<0.00788	U	0.0200	0.00788	mg/L		10/02/24 10:30	10/02/24 18:35	1
Beryllium	<0.00107	U	0.00400	0.00107	mg/L		10/02/24 10:30	10/02/24 18:35	1
Antimony	<0.00803	U	0.0200	0.00803	mg/L		10/02/24 10:30	10/02/24 18:35	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 860-191156/1-A
Matrix: Solid
Analysis Batch: 191385

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191156

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/03/24 03:55	10/03/24 18:18	1

Lab Sample ID: LCS 860-191156/2-A
Matrix: Solid
Analysis Batch: 191385

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.001936		mg/L		97	80 - 120

Lab Sample ID: LCSD 860-191156/3-A
Matrix: Solid
Analysis Batch: 191385

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191156

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00200	0.001945		mg/L		97	80 - 120	0	20

Lab Sample ID: LB 860-190628/1-E
Matrix: Solid
Analysis Batch: 191385

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 191156

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000706	U	0.000200	0.0000706	mg/L		10/03/24 03:55	10/03/24 18:25	1

GC/MS VOA

Leach Batch: 190919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	1311	
LB 860-190919/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 191072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	8260C	190919
LB 860-190919/1-A	Method Blank	TCLP	Solid	8260C	190919
MB 860-191072/10	Method Blank	Total/NA	Solid	8260C	
LCS 860-191072/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-191072/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 190628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	1311	
LB 860-190628/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 190874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-190628/1-C	Method Blank	TCLP	Solid	3511	190628
MB 860-190874/1-A	Method Blank	Total/NA	Solid	3511	

Prep Batch: 190957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	3511	190628
MB 860-190957/1-A	Method Blank	Total/NA	Solid	3511	
LCS 860-190957/2-A	Lab Control Sample	Total/NA	Solid	3511	
LCSD 860-190957/3-A	Lab Control Sample Dup	Total/NA	Solid	3511	

Analysis Batch: 191032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-190628/1-C	Method Blank	TCLP	Solid	8270E	190874
MB 860-190874/1-A	Method Blank	Total/NA	Solid	8270E	190874
MB 860-190957/1-A	Method Blank	Total/NA	Solid	8270E	190957
LCS 860-190957/2-A	Lab Control Sample	Total/NA	Solid	8270E	190957
LCSD 860-190957/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	190957

Analysis Batch: 191644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	8270E	190957

GC Semi VOA

Leach Batch: 190628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	1311	
LB 860-190628/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 190956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	3511	190628

GC Semi VOA (Continued)

Prep Batch: 190956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-190628/1-B	Method Blank	TCLP	Solid	3511	190628
MB 860-190956/1-A	Method Blank	Total/NA	Solid	3511	
LCS 860-190956/2-A	Lab Control Sample	Total/NA	Solid	3511	
LCSD 860-190956/3-A	Lab Control Sample Dup	Total/NA	Solid	3511	

Analysis Batch: 190974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	8081B	190956
LB 860-190628/1-B	Method Blank	TCLP	Solid	8081B	190956
MB 860-190956/1-A	Method Blank	Total/NA	Solid	8081B	190956
LCS 860-190956/2-A	Lab Control Sample	Total/NA	Solid	8081B	190956
LCSD 860-190956/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	190956

Analysis Batch: 191196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-191247/1-A	Method Blank	Total/NA	Solid	8082A	191247
LCS 860-191247/2-A	Lab Control Sample	Total/NA	Solid	8082A	191247
LCSD 860-191247/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	191247

Prep Batch: 191247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	Total/NA	Solid	3550C	
MB 860-191247/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 860-191247/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 860-191247/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 191438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	Total/NA	Solid	8082A	191247

LCMS

Leach Batch: 190628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	1311	
LB 860-190628/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 190972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	8321B	190628
LB 860-190628/1-A	Method Blank	TCLP	Solid	8321B	190628
MB 860-190972/10	Method Blank	Total/NA	Solid	8321B	
LCS 860-190972/5	Lab Control Sample	Total/NA	Solid	8321B	
LCSD 860-190972/6	Lab Control Sample Dup	Total/NA	Solid	8321B	

Metals

Leach Batch: 190628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	1311	
LB 860-190628/1-D	Method Blank	TCLP	Solid	1311	
LB 860-190628/1-E	Method Blank	TCLP	Solid	1311	

Metals

Leach Batch: 190631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 860-190631/1-B	Method Blank	TCLP	Solid	1312	

Prep Batch: 190964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	3010A	190628
LB 860-190628/1-D	Method Blank	TCLP	Solid	3010A	190628
LB 860-190631/1-B	Method Blank	TCLP	Solid	3010A	190631
MB 860-190964/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 860-190964/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 860-190964/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	

Prep Batch: 191156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	7470A	190628
LB 860-190628/1-E	Method Blank	TCLP	Solid	7470A	190628
MB 860-191156/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 860-191156/2-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 860-191156/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	

Analysis Batch: 191279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	6010D	190964
LB 860-190628/1-D	Method Blank	TCLP	Solid	6010D	190964
LB 860-190631/1-B	Method Blank	TCLP	Solid	6010D	190964
MB 860-190964/1-A	Method Blank	Total/NA	Solid	6010D	190964
LCS 860-190964/2-A	Lab Control Sample	Total/NA	Solid	6010D	190964
LCSD 860-190964/3-A	Lab Control Sample Dup	Total/NA	Solid	6010D	190964

Analysis Batch: 191385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	TCLP	Solid	7470A	191156
LB 860-190628/1-E	Method Blank	TCLP	Solid	7470A	191156
MB 860-191156/1-A	Method Blank	Total/NA	Solid	7470A	191156
LCS 860-191156/2-A	Lab Control Sample	Total/NA	Solid	7470A	191156
LCSD 860-191156/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	191156

General Chemistry

Analysis Batch: 190750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83685-1	Digester	Total/NA	Solid	Moisture	
MB 860-190750/1	Method Blank	Total/NA	Solid	Moisture	

Client Sample ID: Digester

Date Collected: 09/30/24 07:45
Date Received: 09/30/24 10:36

Lab Sample ID: 860-83685-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			20.30 g	400 mL	190919	10/01/24 13:00	JCM	EET HOU
							Completed:	10/02/24 05:00 [1]		
TCLP	Analysis	8260C		50	5 mL	5 mL	191072	10/03/24 05:36	NA	EET HOU
TCLP	Leach	1311			100.10 g	2000 mL	190628	10/01/24 12:00	EMC	EET HOU
							Completed:	10/02/24 04:00 [1]		
TCLP	Prep	3511			69.9 mL	4 mL	190957	10/02/24 10:32	DR	EET HOU
TCLP	Analysis	8270E		20	1 mL	1 mL	191644	10/06/24 15:52	T1S	EET HOU
TCLP	Leach	1311			100.10 g	2000 mL	190628	10/01/24 12:00	EMC	EET HOU
							Completed:	10/02/24 04:00 [1]		
TCLP	Prep	3511			50.2 mL	5 mL	190956	10/02/24 10:26	DR	EET HOU
TCLP	Analysis	8081B		1			190974	10/02/24 14:45	KM	EET HOU
TCLP	Leach	1311			100.10 g	2000 mL	190628	10/01/24 12:00	EMC	EET HOU
							Completed:	10/02/24 04:00 [1]		
TCLP	Analysis	8321B		1	0.2 mL	1 mL	190972	10/02/24 14:23	JBS	EET HOU
TCLP	Leach	1311			100.10 g	2000 mL	190628	10/01/24 12:00	EMC	EET HOU
							Completed:	10/02/24 04:00 [1]		
TCLP	Prep	3010A			10 mL	50 mL	190964	10/02/24 10:30	MD	EET HOU
TCLP	Analysis	6010D		1			191279	10/02/24 19:14	DP	EET HOU
TCLP	Leach	1311			100.10 g	2000 mL	190628	10/01/24 12:00	EMC	EET HOU
							Completed:	10/02/24 04:00 [1]		
TCLP	Prep	7470A			50 mL	50 mL	191156	10/03/24 03:55	AGR	EET HOU
TCLP	Analysis	7470A		1			191385	10/03/24 18:51	SHZ	EET HOU
Total/NA	Analysis	Moisture		1			190750	10/01/24 13:11	JC	EET HOU

Client Sample ID: Digester

Date Collected: 09/30/24 07:45
Date Received: 09/30/24 10:36

Lab Sample ID: 860-83685-1
Matrix: Solid
Percent Solids: 1.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			5.02 g	5 mL	191247	10/04/24 08:25	BH	EET HOU
Total/NA	Analysis	8082A		1			191438	10/04/24 10:31	WP	EET HOU

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Accreditation/Certification Summary

Client: Environmental Monitoring Laboratory, LLC
Job ID: 860-83685-1
Project/Site: City of Moulton

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	06-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83685-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
8270E	Semivolatile Organic Compounds (GC-MS/MS)	SW846	EET HOU
8081B	Organochlorine Pesticides (GC)	SW846	EET HOU
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET HOU
8321B	Herbicides (LC/MS)	SW846	EET HOU
6010D	Metals (ICP)	SW846	EET HOU
7470A	TCLP Mercury	SW846	EET HOU
Moisture	Percent Moisture	EPA	EET HOU
1311	TCLP Extraction	SW846	EET HOU
3010A	Preparation, Total Metals	SW846	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
3550C	Ultrasonic Extraction	SW846	EET HOU
5030C	Purge and Trap	SW846	EET HOU
7470A	Preparation, Mercury	SW846	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83685-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-83685-1	Digester	Solid	09/30/24 07:45	09/30/24 10:36

eurofins

Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

860-83685 Chain of Custody

www.xenco.com Page _____ of _____

Project Manager	SERISSA BECK	Bill to: (if different)	
Company Name:	Environmental Monitoring Laboratory	Company Name:	
Address:	PO BOX 477	Address:	
City, State ZIP:	HILLSBORO TX 76645	City, State ZIP:	
Phone:	254-582-2622	Email:	HOMEOFFICE@YOURWATERLAB.COM

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other

Project Name:	City of Moulton	Turn Around			
Project Number:		☑ Routine ☐ Rush			
Project Location:	City of Moulton	Due Date:			
Sampler's Name:	Heather Wagner	TAT starts the day received by the lab, if received by 4:30pm			
PO #:					

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:	2 +0.2 9/30/24	Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: FULL TCLP, PCB's	HN	ANALYSIS REQUEST
Digester	SL	9/30/24	0745		Grab	1		X		

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Temp. 5.8 IR ID: HOU-368
C/F: +0.2
Corrected Temp: 6.0

Total 200.7 / 6010 200.8 / 6020 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 REFRIGERATOR			2		
3		9/30/24 1036	4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Job Number: 860-83685-1

Login Number: 83685
List Number: 1
Creator: Rubio, Yuri

List Source: Eurofins Houston

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	

ENVIRONMENTAL MONITORING LABORATORY, L.L.C.

BIOLOGICAL & CHEMICAL ANALYSIS / UTILITIES MANAGEMENT & OPERATION / WATERWELL DRILLING & SERVICE / GEOLOGICAL INVESTIGATION

October 21, 2024

City of Moulton
P.O Box 369
Moulton, Tx 77975

Re: City of Moulton – Table – 870-83684-1

Dear Client:

EML collected samples on 09/30/24. They were submitted for analysis on 9/30/24. The following is the result of the analytical procedures performed on this sample and listed on the following pages that include QA/QC information, chain of custody form, and other lab identification information.

Respectfully Submitted,
Environmental Monitoring Laboratory

Lisa Soward

Lisa Soward B.A
Data Manager

T104704247-22-23

ENVIRONMENTAL SCIENTIST
President
C.C. "Chuck" Blair, M.S. P.G. – B/B

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ANALYTICAL REPORT

PREPARED FOR

Attn: Serissa Beck
Environmental Monitoring Laboratory, LLC
6145 State Highway 171
PO BOX 477
Hillsboro, Texas 76645

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JOB DESCRIPTION

City of Moulton

JOB NUMBER

860-83684-1

Eurofins Houston
4145 Greenbriar Dr
Stafford TX 77477

See page two for job notes and contact information.

Eurofins Houston

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

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Revision 1

Authorized for release by
Anita Patel, Project Manager
Anita.Patel@et.eurofinsus.com
(832)776-2275

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
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, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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.

LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
860-83684-1

REVISION

The report being provided is a revision of the original report sent on 10/15/2024. The report (revision 1) is being revised due to including tetrachloroethene in the 624.1 analyte list..

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

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

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

Receipt
The samples were received on 9/30/2024 10:36 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.0°C.

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 and the laboratory control sample duplicate (LCS/LCSD) for preparation batch 860-191752 and analytical batch 860-192423 recovered outside control limits for the following analyte(s): Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 625.1: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-191752 and analytical batch 860-192423 recovered outside control limits for the following analytes: Benzidine.

Method 625.1_QQQ: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-190874 and analytical batch 860-191033 recovered outside control limits for the following analytes: Chlorpyrifos. This analytes was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 625.1_QQQ: Surrogate recovery for the following sample was outside the upper control limit: Final Effluent Composite 09/29/2024 08:18 (860-83684-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

PCBs
Method 608.3_PCB: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-190669 and analytical batch 860-190626 recovered outside control limits for the following analytes: PCB-1016 & PCB-1260. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Pesticides
Method 614: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 280-669450.

Job ID: 860-83684-1 (Continued)

Method 614: Internal Standard (ISTD) retention times for Tributyl phosphate in the following sample in analytical batch 280-669605 were outside the acceptance criteria of +/-0.03 minutes from the mid-point of the initial calibration: (CCVIS 280-669605/5). The internal standard is not associated with any requested analytes; therefore the data is reported.

Method 614: The continuing calibration verification (CCV) associated with preparation batch 280-669450 and analytical batch 280-669605 recovered outside acceptance criteria, low biased, for Guthion. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. Final Effluent Composite 09/29/2024 08:18 (860-83684-1) and (CCVIS 280-669605/5)

Method 614: The continuing calibration verification (CCV) associated with analytical batch 280-669605 recovered outside the lower control limit for Triphenylphosphate (Surr). The samples associated with this CCV are in control for surrogate; therefore, the data have been reported. The associated sample is impacted: (CCVIS 280-669605/5).

Method 614: The continuing calibration verification (CCV) associated with preparation batch 280-669450 and analytical batch 280-669605 recovered outside acceptance criteria, low biased, for Guthion, Diazinon and Malathion. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. Final Effluent Composite 09/29/2024 08:18 (860-83684-1) and (CCV 280-669605/15)

Method 614: The continuing calibration verification (CCV) associated with analytical batch 280-669605 recovered outside the lower control limit for Triphenylphosphate (Surr) and Chlormefos (Surr). The samples associated with this CCV are in control for surrogate; therefore, the data have been reported. The associated sample is impacted: (CCV 280-669605/15).

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-190375 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300_ORGFMS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-190376 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.

Herbicides

Method 8321B_Herb: The continuing calibration verification (CCV) associated with batch 860-190407 recovered above the upper control limit for Silvex (2,4,5-TP) . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8321B_Herb: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 860-190407 recovered outside control limits for the following analytes: Silvex (2,4,5-TP). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Metals

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

General Chemistry

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

Detection Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

Client Sample ID: Final Effluent Composite 09/29/2024 08:18 — Lab Sample ID: 860-83684-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	1.04	J	5.00	0.252	ug/L	1		625.1	Total/NA
Fluoride	0.327	J	0.500	0.100	mg/L	1		300.0	Total/NA
Nitrate as N	21.0	F1	0.100	0.0391	mg/L	1		300.0	Total/NA
Mercury	2.00		0.500	0.200	ng/L	1		1631E	Total/NA
Aluminum	0.0241		0.0200	0.00301	mg/L	1		200.8	Total Recoverable
Arsenic	0.00717		0.00400	0.000929	mg/L	1		200.8	Total Recoverable
Barium	0.0164		0.00400	0.000954	mg/L	1		200.8	Total Recoverable
Chromium	0.00226	J	0.00400	0.000890	mg/L	1		200.8	Total Recoverable
Copper	0.00528		0.00400	0.000690	mg/L	1		200.8	Total Recoverable
Nickel	0.00207		0.00200	0.000486	mg/L	1		200.8	Total Recoverable
Zinc	0.0156		0.00400	0.000885	mg/L	1		200.8	Total Recoverable

Client Sample ID: Field Blank LL Hg — Lab Sample ID: 860-83684-2

No Detections.

Client Sample ID: Final Effluent — Lab Sample ID: 860-83684-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	0.0705		0.00100	0.000552	mg/L	1		624.1	Total/NA
Bromoform	0.0295		0.00500	0.000633	mg/L	1		624.1	Total/NA
Chloroform	0.0450		0.00100	0.000464	mg/L	1		624.1	Total/NA
Dibromochloromethane	0.0864		0.00500	0.000547	mg/L	1		624.1	Total/NA
Trihalomethanes, Total	0.231		0.00500	0.000633	mg/L	1		624.1	Total/NA
Phenols, Total	0.00670	J	0.0100	0.00580	mg/L	1		420.4	Total/NA
Cyanide, Total	0.00265	J	0.00500	0.00198	mg/L	1		Kelada 01	Total/NA
Cyanide, Amenable	0.00265	J	0.00500	0.00233	mg/L	1		SM 4500 CN G	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: Final Effluent Composite 09/29/2024 08:18

Lab Sample ID: 860-83684-1
Matrix: Water
Date Collected: 09/30/24 07:18
Date Received: 09/30/24 10:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<1.32	U	10.0	1.32	ug/L		10/07/24 05:11	10/07/24 23:46	1
1,2-Diphenylhydrazine	<1.49	U	10.0	1.49	ug/L		10/07/24 05:11	10/07/24 23:46	1
bis (2-chloroisopropyl) ether	<1.79	U	10.0	1.79	ug/L		10/07/24 05:11	10/07/24 23:46	1
2,4,5-Trichlorophenol	<2.00	U	10.0	2.00	ug/L		10/07/24 05:11	10/07/24 23:46	1
2,4,6-Trichlorophenol	<1.42	U	5.00	1.42	ug/L		10/07/24 05:11	10/07/24 23:46	1
2,4-Dichlorophenol	<0.314	U	5.00	0.314	ug/L		10/07/24 05:11	10/07/24 23:46	1
2,4-Dimethylphenol	<0.649	U	5.00	0.649	ug/L		10/07/24 05:11	10/07/24 23:46	1
2,4-Dinitrophenol	<1.61	U	10.0	1.61	ug/L		10/07/24 05:11	10/07/24 23:46	1
2,4-Dinitrotoluene	<1.31	U	10.0	1.31	ug/L		10/07/24 05:11	10/07/24 23:46	1
2,6-Dinitrotoluene	<1.61	U	5.00	1.61	ug/L		10/07/24 05:11	10/07/24 23:46	1
2-Chloronaphthalene	<0.462	U	5.00	0.462	ug/L		10/07/24 05:11	10/07/24 23:46	1
2-Chlorophenol	<0.649	U	5.00	0.649	ug/L		10/07/24 05:11	10/07/24 23:46	1
2-Nitrophenol	<1.67	U	10.0	1.67	ug/L		10/07/24 05:11	10/07/24 23:46	1
o-Cresol	<1.62	U	10.0	1.62	ug/L		10/07/24 05:11	10/07/24 23:46	1
m & p - Cresol	<2.62	U	10.0	2.62	ug/L		10/07/24 05:11	10/07/24 23:46	1
3,3'-Dichlorobenzidine	<0.341	U	5.00	0.341	ug/L		10/07/24 05:11	10/07/24 23:46	1
4,6-Dinitro-o-cresol	<1.44	U	10.0	1.44	ug/L		10/07/24 05:11	10/07/24 23:46	1
4-Bromophenyl phenyl ether	<0.256	U	5.00	0.256	ug/L		10/07/24 05:11	10/07/24 23:46	1
4-Chlorophenyl phenyl ether	<1.28	U	10.0	1.28	ug/L		10/07/24 05:11	10/07/24 23:46	1
4-Nitrophenol	<7.20	U	7.20	7.20	ug/L		10/07/24 05:11	10/07/24 23:46	1
4-Chloro-3-methylphenol	<1.57	U	5.00	1.57	ug/L		10/07/24 05:11	10/07/24 23:46	1
Acenaphthene	<1.39	U	5.70	1.39	ug/L		10/07/24 05:11	10/07/24 23:46	1
Acenaphthylene	<1.41	U	10.0	1.41	ug/L		10/07/24 05:11	10/07/24 23:46	1
Anthracene	<1.50	U	5.70	1.50	ug/L		10/07/24 05:11	10/07/24 23:46	1
Azobenzene	<1.50	U	10.0	1.50	ug/L		10/07/24 05:11	10/07/24 23:46	1
Benzidine	<20.0	U *- *1	20.0	20.0	ug/L		10/07/24 05:11	10/07/24 23:46	1
Benzo[a]anthracene	<0.173	U	5.00	0.173	ug/L		10/07/24 05:11	10/07/24 23:46	1
Benzo[a]pyrene	<0.364	U	5.00	0.364	ug/L		10/07/24 05:11	10/07/24 23:46	1
Benzo[b]fluoranthene	<2.04	U	10.0	2.04	ug/L		10/07/24 05:11	10/07/24 23:46	1
Benzo[g,h,i]perylene	<2.68	U	10.0	2.68	ug/L		10/07/24 05:11	10/07/24 23:46	1
Benzo[k]fluoranthene	<5.00	U	5.00	5.00	ug/L		10/07/24 05:11	10/07/24 23:46	1
Butyl benzyl phthalate	<0.337	U	5.00	0.337	ug/L		10/07/24 05:11	10/07/24 23:46	1
Chrysene	<0.222	U	5.00	0.222	ug/L		10/07/24 05:11	10/07/24 23:46	1
Dibenz(a,h)anthracene	<0.246	U	5.00	0.246	ug/L		10/07/24 05:11	10/07/24 23:46	1
Diethyl phthalate	<1.59	U	5.00	1.59	ug/L		10/07/24 05:11	10/07/24 23:46	1
Dimethyl phthalate	<2.50	U	2.50	2.50	ug/L		10/07/24 05:11	10/07/24 23:46	1
Fluoranthene	<1.59	U	5.00	1.59	ug/L		10/07/24 05:11	10/07/24 23:46	1
Fluorene	<1.63	U	5.00	1.63	ug/L		10/07/24 05:11	10/07/24 23:46	1
Hexachlorobenzene	<0.307	U	5.00	0.307	ug/L		10/07/24 05:11	10/07/24 23:46	1
Hexachlorobutadiene	<1.00	U	1.00	1.00	ug/L		10/07/24 05:11	10/07/24 23:46	1
Hexachlorocyclopentadiene	<10.0	U	10.0	10.0	ug/L		10/07/24 05:11	10/07/24 23:46	1
Hexachloroethane	<0.526	U	4.80	0.526	ug/L		10/07/24 05:11	10/07/24 23:46	1
Hexachlorophene	<10.0	U	100	10.0	ug/L		10/07/24 05:11	10/07/24 23:46	1
Indeno[1,2,3-cd]pyrene	<2.29	U	10.0	2.29	ug/L		10/07/24 05:11	10/07/24 23:46	1
Isophorone	<1.64	U	5.00	1.64	ug/L		10/07/24 05:11	10/07/24 23:46	1
N-Nitrosodi-n-butylamine	<1.49	U	10.0	1.49	ug/L		10/07/24 05:11	10/07/24 23:46	1
N-Nitrosodiethylamine	<1.75	U	10.0	1.75	ug/L		10/07/24 05:11	10/07/24 23:46	1
N-Nitrosodimethylamine	<2.02	U	10.0	2.02	ug/L		10/07/24 05:11	10/07/24 23:46	1
Naphthalene	<2.50	U	2.50	2.50	ug/L		10/07/24 05:11	10/07/24 23:46	1

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Lab Sample ID: 860-83684-1

Date Collected: 09/30/24 07:18
Matrix: Water

Date Received: 09/30/24 10:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<1.66	U	5.00	1.66	ug/L		10/07/24 05:11	10/07/24 23:46	1
Nonylphenol	<10.0	U	10.0	10.0	ug/L		10/07/24 05:11	10/07/24 23:46	1
Pentachlorobenzene	<1.07	U	10.0	1.07	ug/L		10/07/24 05:11	10/07/24 23:46	1
Pentachlorophenol	<0.234	U	10.0	0.234	ug/L		10/07/24 05:11	10/07/24 23:46	1
Phenanthrene	<1.42	U	10.0	1.42	ug/L		10/07/24 05:11	10/07/24 23:46	1
Phenol	<0.423	U	4.50	0.423	ug/L		10/07/24 05:11	10/07/24 23:46	1
Pyrene	<0.178	U	5.00	0.178	ug/L		10/07/24 05:11	10/07/24 23:46	1
Pyridine	<10.0	U	10.0	10.0	ug/L		10/07/24 05:11	10/07/24 23:46	1
Bis(2-chloroethyl)ether	<2.16	U	10.0	2.16	ug/L		10/07/24 05:11	10/07/24 23:46	1
Bis(2-chloroethoxy)methane	<1.76	U	10.0	1.76	ug/L		10/07/24 05:11	10/07/24 23:46	1
Bis(2-ethylhexyl) phthalate	<0.277	U	5.00	0.277	ug/L		10/07/24 05:11	10/07/24 23:46	1
Di-n-butyl phthalate	**1.04**	**J**	5.00	0.252	ug/L		10/07/24 05:11	10/07/24 23:46	1
Di-n-octyl phthalate	<0.373	U	5.00	0.373	ug/L		10/07/24 05:11	10/07/24 23:46	1
N-Nitrosodi-n-propylamine	<2.88	U	10.0	2.88	ug/L		10/07/24 05:11	10/07/24 23:46	1
N-Nitrosodiphenylamine	<1.81	U	10.0	1.81	ug/L		10/07/24 05:11	10/07/24 23:46	1
Total Cresols	<0.00262	U	0.0100	0.00262	mg/L		10/07/24 05:11	10/07/24 23:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
bis(2-chloromethyl)ether TIC	*<0.100*	*U*	*mg/L*			*542-88-1*	*10/07/24 05:11*	*10/07/24 23:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*122*		*31 - 132*	*10/07/24 05:11*	*10/07/24 23:46*	*1*
2-Fluorobiphenyl (Surr)	*85*		*29 - 112*	*10/07/24 05:11*	*10/07/24 23:46*	*1*
2-Fluorophenol (Surr)	*38*		*28 - 114*	*10/07/24 05:11*	*10/07/24 23:46*	*1*
Nitrobenzene-d5 (Surr)	*88*		*15 - 314*	*10/07/24 05:11*	*10/07/24 23:46*	*1*
p-Terphenyl-d14 (Surr)	*126*		*20 - 141*	*10/07/24 05:11*	*10/07/24 23:46*	*1*
Phenol-d5 (Surr)	*23*		*8 - 424*	*10/07/24 05:11*	*10/07/24 23:46*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorpyrifos	<0.0158	U *+	0.0569	0.0158	ug/L		10/02/24 05:36	10/03/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*90*		*43 - 130*	*10/02/24 05:36*	*10/03/24 00:59*	*1*
2-Fluorophenol (Surr)	*71*		*19 - 120*	*10/02/24 05:36*	*10/03/24 00:59*	*1*
Nitrobenzene-d5 (Surr)	*101*		*37 - 133*	*10/02/24 05:36*	*10/03/24 00:59*	*1*
Phenol-d5 (Surr)	*47*		*8 - 124*	*10/02/24 05:36*	*10/03/24 00:59*	*1*
p-Terphenyl-d14 (Surr)	*122*		*47 - 130*	*10/02/24 05:36*	*10/03/24 00:59*	*1*
2,4,6-Tribromophenol (Surr)	*145*	*S1+*	*35 - 130*	*10/02/24 05:36*	*10/03/24 00:59*	*1*

Method: Lab SOP Organotins SIM - Organotins (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	<1.12	U	2.94	1.12	ng/L		10/07/24 15:49	10/09/24 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*60*		*10 - 120*	*10/07/24 15:49*	*10/09/24 17:56*	*1*

Method: EPA 608.3 - Organochlorine Pesticides in Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00113	U	0.0100	0.00113	ug/L		10/01/24 10:18	10/01/24 15:19	1
alpha-BHC	<0.00142	U	0.00900	0.00142	ug/L		10/01/24 10:18	10/01/24 15:19	1

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Lab Sample ID: 860-83684-1
Matrix: Water
Date Collected: 09/30/24 07:18
Date Received: 09/30/24 10:36

Method: EPA 608.3 - Organochlorine Pesticides in Water (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	<0.00389	U	0.0180	0.00389	ug/L		10/01/24 10:18	10/01/24 15:19	1
delta-BHC	<0.00245	U	0.250	0.00245	ug/L		10/01/24 10:18	10/01/24 15:19	1
gamma-BHC (Lindane)	<0.00299	U	0.0100	0.00299	ug/L		10/01/24 10:18	10/01/24 15:19	1
4,4'-DDD	<0.000814	U	0.0100	0.000814	ug/L		10/01/24 10:18	10/01/24 15:19	1
4,4'-DDE	<0.00109	U	0.0100	0.00109	ug/L		10/01/24 10:18	10/01/24 15:19	1
4,4'-DDT	<0.00379	U	0.0200	0.00379	ug/L		10/01/24 10:18	10/01/24 15:19	1
Dieldrin	<0.000953	U	0.0100	0.000953	ug/L		10/01/24 10:18	10/01/24 15:19	1
Endosulfan I	<0.00107	U	0.0100	0.00107	ug/L		10/01/24 10:18	10/01/24 15:19	1
Endosulfan II	<0.00122	U	0.0100	0.00122	ug/L		10/01/24 10:18	10/01/24 15:19	1
Endosulfan sulfate	<0.00112	U	0.0100	0.00112	ug/L		10/01/24 10:18	10/01/24 15:19	1
Endrin	<0.00156	U	0.0100	0.00156	ug/L		10/01/24 10:18	10/01/24 15:19	1
Endrin aldehyde	<0.00118	U	0.0100	0.00118	ug/L		10/01/24 10:18	10/01/24 15:19	1
Dicofol	<0.0500	U	0.100	0.0500	ug/L		10/01/24 10:18	10/01/24 15:19	1
Heptachlor	<0.00446	U	0.00900	0.00446	ug/L		10/01/24 10:18	10/01/24 15:19	1
Heptachlor epoxide	<0.00134	U	0.0100	0.00134	ug/L		10/01/24 10:18	10/01/24 15:19	1
Toxaphene	<0.0769	U	0.200	0.0769	ug/L		10/01/24 10:18	10/01/24 15:19	1
Chlordane	<0.103	U	0.250	0.103	ug/L		10/01/24 10:18	10/01/24 15:19	1
Methoxychlor	<0.00390	U	0.0200	0.00390	ug/L		10/01/24 10:18	10/01/24 15:19	1
Mirex	<0.0200	U	0.0200	0.0200	ug/L		10/01/24 10:18	10/01/24 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*76*		*15 - 136*	*10/01/24 10:18*	*10/01/24 15:19*	*1*
Tetrachloro-m-xylene	*43*		*18 - 126*	*10/01/24 10:18*	*10/01/24 15:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0125	U *+	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 14:50	1
PCB-1221	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 14:50	1
PCB-1232	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 14:50	1
PCB-1242	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 14:50	1
PCB-1248	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 14:50	1
PCB-1254	<0.00780	U	0.100	0.00780	ug/L		10/01/24 10:18	10/01/24 14:50	1
PCB-1260	<0.00780	U *+	0.100	0.00780	ug/L		10/01/24 10:18	10/01/24 14:50	1
Polychlorinated biphenyls, Total	<0.100	U	0.100	0.100	ug/L		10/01/24 10:18	10/01/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*100*		*18 - 126*	*10/01/24 10:18*	*10/01/24 14:50*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*15 - 136*	*10/01/24 10:18*	*10/01/24 14:50*	*1*

Method: EPA-01 614 - Organophosphorous Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Guthion	<0.349	U	2.47	0.349	ug/L		10/02/24 11:19	10/03/24 16:21	1
Diazinon	<0.145	U	0.494	0.145	ug/L		10/02/24 11:19	10/03/24 16:21	1
Disulfoton	<0.318	U	0.989	0.318	ug/L		10/02/24 11:19	10/03/24 16:21	1
Malathion	<0.132	U	1.98	0.132	ug/L		10/02/24 11:19	10/03/24 16:21	1
Methyl parathion	<0.139	U	3.96	0.139	ug/L		10/02/24 11:19	10/03/24 16:21	1
Parathion	<0.142	U	0.989	0.142	ug/L		10/02/24 11:19	10/03/24 16:21	1
Demeton, Total	<0.207	U	2.97	0.207	ug/L		10/02/24 11:19	10/03/24 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Chlormefos	*67*		*49 - 171*	*10/02/24 11:19*	*10/03/24 16:21*	*1*

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Lab Sample ID: 860-83684-1
Date Collected: 09/30/24 07:18
Matrix: Water
Date Received: 09/30/24 10:36

Method: EPA-01 614 - Organophosphorous Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Triphenylphosphate	*82*		*60 - 154*	*10/02/24 11:19*	*10/03/24 16:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	**0.327**	**J**	0.500	0.100	mg/L			09/30/24 14:59	1
Nitrate as N	**21.0**	**F1**	0.100	0.0391	mg/L			09/30/24 14:59	1

Method: EPA-01 632 - Carbamate and Urea Pesticides (HPLC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.85	U	5.00	1.85	ug/L		10/01/24 05:24	10/15/24 03:34	1
Diuron	<0.0514	U	0.0900	0.0514	ug/L		10/01/24 05:24	10/15/24 03:34	1

Method: SW846 8321B - Herbicides (LC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<1.20	U *+	5.00	1.20	ug/L			09/30/24 17:31	1
Dichlorprop	<0.707	U	5.00	0.707	ug/L			09/30/24 17:31	1
2,4,5-T	<1.73	U	5.00	1.73	ug/L			09/30/24 17:31	1
Pentachlorophenol	<0.325	U	1.00	0.325	ug/L			09/30/24 17:31	1
MCPP	<0.646	U	1.00	0.646	ug/L			09/30/24 17:31	1
MCPA	<0.536	U	1.00	0.536	ug/L			09/30/24 17:31	1
Dinoseb	<0.936	U	5.00	0.936	ug/L			09/30/24 17:31	1
Dicamba	<1.72	U	5.00	1.72	ug/L			09/30/24 17:31	1
2,4-DB	<1.54	U	5.00	1.54	ug/L			09/30/24 17:31	1
2,4-D	<1.08	U	5.00	1.08	ug/L			09/30/24 17:31	1
Dalapon	<1.54	U	5.00	1.54	ug/L			09/30/24 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*99*		*50 - 150*		*09/30/24 17:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.00**		0.500	0.200	ng/L		10/02/24 14:35	10/03/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.0241**		0.0200	0.00301	mg/L		10/01/24 12:51	10/01/24 18:39	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		10/01/24 12:51	10/01/24 18:39	1
Arsenic	**0.00717**		0.00400	0.000929	mg/L		10/01/24 12:51	10/01/24 18:39	1
Barium	**0.0164**		0.00400	0.000954	mg/L		10/01/24 12:51	10/01/24 18:39	1
Beryllium	<0.000375	U	0.00200	0.000375	mg/L		10/01/24 12:51	10/01/24 18:39	1
Cadmium	<0.000258	U	0.00200	0.000258	mg/L		10/01/24 12:51	10/01/24 18:39	1
Chromium	**0.00226**	**J**	0.00400	0.000890	mg/L		10/01/24 12:51	10/01/24 18:39	1
Copper	**0.00528**		0.00400	0.000690	mg/L		10/01/24 12:51	10/01/24 18:39	1
Lead	<0.000369	U	0.00200	0.000369	mg/L		10/01/24 12:51	10/01/24 18:39	1
Nickel	**0.00207**		0.00200	0.000486	mg/L		10/01/24 12:51	10/01/24 18:39	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		10/01/24 12:51	10/01/24 18:39	1
Silver	<0.000351	U	0.00200	0.000351	mg/L		10/01/24 12:51	10/01/24 18:39	1
Thallium	<0.000215	U	0.00200	0.000215	mg/L		10/01/24 12:51	10/01/24 18:39	1
Zinc	**0.0156**		0.00400	0.000885	mg/L		10/01/24 12:51	10/01/24 18:39	1

Client Sample ID: Final Effluent Composite 09/29/2024 08:18

Lab Sample ID: 860-83684-1
Matrix: Water
Date Collected: 09/30/24 07:18
Date Received: 09/30/24 10:36

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	<0.00345	U	0.0100	0.00345	mg/L			09/30/24 17:01	1
Cr (III) (SW846 7196A)	<0.00345	U	0.0100	0.00345	mg/L			10/08/24 20:12	1

Client Sample ID: Field Blank LL Hg

Lab Sample ID: 860-83684-2
Matrix: Water
Date Collected: 09/30/24 07:25
Date Received: 09/30/24 10:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.200	U	0.500	0.200	ng/L		10/02/24 14:35	10/03/24 12:30	1

Client Sample ID: Final Effluent

Lab Sample ID: 860-83684-3
Matrix: Water
Date Collected: 09/30/24 07:30
Date Received: 09/30/24 10:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<0.000585	U	0.00500	0.000585	mg/L			10/02/24 17:58	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			10/02/24 17:58	1
1,1,2-Trichloroethane	<0.000411	U	0.00100	0.000411	mg/L			10/02/24 17:58	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			10/02/24 17:58	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			10/02/24 17:58	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			10/02/24 17:58	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			10/02/24 17:58	1
1,2-Dichlorobenzene	<0.000429	U	0.00100	0.000429	mg/L			10/02/24 17:58	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			10/02/24 17:58	1
1,2-Dichloropropane	<0.000556	U	0.00500	0.000556	mg/L			10/02/24 17:58	1
1,3-Dichlorobenzene	<0.000413	U	0.00100	0.000413	mg/L			10/02/24 17:58	1
1,4-Dichlorobenzene	<0.000449	U	0.00100	0.000449	mg/L			10/02/24 17:58	1
Methyl ethyl ketone (MEK)	<0.00828	U	0.0500	0.00828	mg/L			10/02/24 17:58	1
2-Chloroethyl vinyl ether	<0.000753	U	0.00500	0.000753	mg/L			10/02/24 17:58	1
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			10/02/24 17:58	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			10/02/24 17:58	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			10/02/24 17:58	1
Bromochloromethane	<0.000577	U	0.00100	0.000577	mg/L			10/02/24 17:58	1
Bromodichloromethane	**0.0705**		0.00100	0.000552	mg/L			10/02/24 17:58	1
Bromoform	**0.0295**		0.00500	0.000633	mg/L			10/02/24 17:58	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			10/02/24 17:58	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			10/02/24 17:58	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			10/02/24 17:58	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			10/02/24 17:58	1
Chloroform	**0.0450**		0.00100	0.000464	mg/L			10/02/24 17:58	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			10/02/24 17:58	1
Dibromochloromethane	**0.0864**		0.00500	0.000547	mg/L			10/02/24 17:58	1
Dibromomethane	<0.000357	U	0.00100	0.000357	mg/L			10/02/24 17:58	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			10/02/24 17:58	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			10/02/24 17:58	1
Tetrahydrofuran	<0.00183	U	0.0100	0.00183	mg/L			10/02/24 17:58	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			10/02/24 17:58	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			10/02/24 17:58	1

Client Sample ID: Final Effluent
Lab Sample ID: 860-83684-3

Date Collected: 09/30/24 07:30
Matrix: Water

Date Received: 09/30/24 10:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<0.000560	U	0.00100	0.000560	mg/L			10/02/24 17:58	1
Trihalomethanes, Total	**0.231**		0.00500	0.000633	mg/L			10/02/24 17:58	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			10/02/24 17:58	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			10/02/24 17:58	1
trans-1,2-Dichloroethene	<0.000368	U	0.00100	0.000368	mg/L			10/02/24 17:58	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			10/02/24 17:58	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			10/02/24 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*63 - 144*		*10/02/24 17:58*	*1*
4-Bromofluorobenzene (Surr)	*97*		*74 - 124*		*10/02/24 17:58*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 131*		*10/02/24 17:58*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/02/24 17:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total (EPA 420.4)	**0.00670**	**J**	0.0100	0.00580	mg/L			10/03/24 21:20	1
Cyanide, Non-amenable (SM 4500 CN G NonAm)	<0.00233	U	0.00500	0.00233	mg/L		10/07/24 18:49	10/07/24 19:34	1
Cyanide, Total (EPA Kelada 01)	**0.00265**	**J**	0.00500	0.00198	mg/L			10/04/24 15:38	1
Cyanide, Amenable (SM 4500 CN G)	**0.00265**	**J**	0.00500	0.00233	mg/L			10/08/24 13:30	1

Surrogate Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
860-83684-3	Final Effluent	106	97	107	101
LCS 860-190881/3	Lab Control Sample	95	112	102	97
LCSD 860-190881/4	Lab Control Sample Dup	97	105	104	100
MB 860-190881/9	Method Blank	99	96	105	96

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)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(31-132)	(29-112)	(28-114)	(15-314)	(20-141)	(8-424)
860-83684-1	Final Effluent Composite 09/29/2	122	85	38	88	126	23
LCS 860-191752/2-A	Lab Control Sample	94	83	49	82	89	33
LCSD 860-191752/3-A	Lab Control Sample Dup	111	94	52	93	100	34
MB 860-191752/1-A	Method Blank	79	89	44	82	97	26

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHd14	TBP
Lab Sample ID	Client Sample ID	(43-130)	(19-120)	(37-133)	(8-124)	(47-130)	(35-130)
860-83684-1	Final Effluent Composite 09/29/2	90	71	101	47	122	145 S1+
LCS 860-190874/4-A	Lab Control Sample	94	60	109	42	128	87
LCSD 860-190874/5-A	Lab Control Sample Dup	94	62	104	43	120	87
MB 860-190874/1-A	Method Blank	103	61	106	37	143 S1+	87

Surrogate Legend

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

Surrogate Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
		TPTT
Lab Sample ID	Client Sample ID	(10-120)
860-83684-1	Final Effluent Composite 09/29/2	60
LCS 570-488747/2-A	Lab Control Sample	86
LCSD 570-488747/3-A	Lab Control Sample Dup	91
MB 570-488747/1-A	Method Blank	91

Surrogate Legend

TPTT = Tripentyltin

Method: 608.3 - Organochlorine Pesticides in Water

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(15-136)	(18-126)
860-83684-1	Final Effluent Composite 09/29/2	76	43
LCS 860-190669/2-A	Lab Control Sample	110	102
LCSD 860-190669/3-A	Lab Control Sample Dup	105	96
MB 860-190669/1-A	Method Blank	112	105

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(18-126)	(15-136)
860-83684-1	Final Effluent Composite 09/29/2	100	116
LCS 860-190669/4-A	Lab Control Sample	107	126
LCSD 860-190669/5-A	Lab Control Sample Dup	104	128
MB 860-190669/1-A	Method Blank	96	117

Surrogate Legend

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

Method: 614 - Organophosphorous Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		CMF1	TPP1
Lab Sample ID	Client Sample ID	(49-171)	(60-154)
860-83684-1	Final Effluent Composite 09/29/2	67	82
LCS 280-669450/2-A	Lab Control Sample	82	89
LCSD 280-669450/3-A	Lab Control Sample Dup	82	90
MB 280-669450/1-A	Method Blank	74	87

Surrogate Legend

CMF = Chlormefos
TPP = Triphenylphosphate

Surrogate Summary

Client: Environmental Monitoring Laboratory, LLC
Job ID: 860-83684-1
Project/Site: City of Moulton

Method: 8321B - Herbicides (LC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) DCPAA (50-150)
860-83684-1	Final Effluent Composite 09/29/2	99
LCS 860-190407/5	Lab Control Sample	111
LCSD 860-190407/6	Lab Control Sample Dup	116
MB 860-190407/10	Method Blank	118

Surrogate Legend

DCPAA = DCAA

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

Lab Sample ID: MB 860-190881/9
Matrix: Water
Analysis Batch: 190881

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	<0.000585	U	0.00500	0.000585	mg/L			10/02/24 11:50	1
1,1,2,2-Tetrachloroethane	<0.000470	U	0.00100	0.000470	mg/L			10/02/24 11:50	1
1,1,2-Trichloroethane	<0.000411	U	0.00100	0.000411	mg/L			10/02/24 11:50	1
1,1-Dichloroethane	<0.000635	U	0.00100	0.000635	mg/L			10/02/24 11:50	1
1,1-Dichloroethene	<0.000738	U	0.00100	0.000738	mg/L			10/02/24 11:50	1
1,2,4-Trichlorobenzene	<0.00175	U	0.00500	0.00175	mg/L			10/02/24 11:50	1
1,2-Dibromoethane	<0.000999	U	0.00500	0.000999	mg/L			10/02/24 11:50	1
1,2-Dichlorobenzene	<0.000429	U	0.00100	0.000429	mg/L			10/02/24 11:50	1
1,2-Dichloroethane	<0.000372	U	0.00100	0.000372	mg/L			10/02/24 11:50	1
1,2-Dichloropropane	<0.000556	U	0.00500	0.000556	mg/L			10/02/24 11:50	1
1,3-Dichlorobenzene	<0.000413	U	0.00100	0.000413	mg/L			10/02/24 11:50	1
1,4-Dichlorobenzene	<0.000449	U	0.00100	0.000449	mg/L			10/02/24 11:50	1
Methyl ethyl ketone (MEK)	<0.00828	U	0.0500	0.00828	mg/L			10/02/24 11:50	1
2-Chloroethyl vinyl ether	<0.000753	U	0.00500	0.000753	mg/L			10/02/24 11:50	1
Acrolein	<0.0111	U	0.0500	0.0111	mg/L			10/02/24 11:50	1
Acrylonitrile	<0.0143	U	0.0500	0.0143	mg/L			10/02/24 11:50	1
Benzene	<0.000460	U	0.00100	0.000460	mg/L			10/02/24 11:50	1
Bromochloromethane	<0.000577	U	0.00100	0.000577	mg/L			10/02/24 11:50	1
Bromodichloromethane	<0.000552	U	0.00100	0.000552	mg/L			10/02/24 11:50	1
Bromoform	<0.000633	U	0.00500	0.000633	mg/L			10/02/24 11:50	1
Bromomethane	<0.00142	U	0.00500	0.00142	mg/L			10/02/24 11:50	1
Carbon tetrachloride	<0.000896	U	0.00500	0.000896	mg/L			10/02/24 11:50	1
Chlorobenzene	<0.000455	U	0.00100	0.000455	mg/L			10/02/24 11:50	1
Chloroethane	<0.00198	U	0.0100	0.00198	mg/L			10/02/24 11:50	1
Chloroform	<0.000464	U	0.00100	0.000464	mg/L			10/02/24 11:50	1
Chloromethane	<0.00204	U	0.0100	0.00204	mg/L			10/02/24 11:50	1
Dibromochloromethane	<0.000547	U	0.00500	0.000547	mg/L			10/02/24 11:50	1
Dibromomethane	<0.000357	U	0.00100	0.000357	mg/L			10/02/24 11:50	1
Ethylbenzene	<0.000385	U	0.00100	0.000385	mg/L			10/02/24 11:50	1
Methylene Chloride	<0.00173	U	0.00500	0.00173	mg/L			10/02/24 11:50	1
Tetrahydrofuran	<0.00183	U	0.0100	0.00183	mg/L			10/02/24 11:50	1
Toluene	<0.000475	U	0.00100	0.000475	mg/L			10/02/24 11:50	1
Trichloroethene	<0.00150	U	0.00500	0.00150	mg/L			10/02/24 11:50	1
Trichlorofluoromethane	<0.000560	U	0.00100	0.000560	mg/L			10/02/24 11:50	1
Trihalomethanes, Total	<0.000633	U	0.00500	0.000633	mg/L			10/02/24 11:50	1
Vinyl chloride	<0.000428	U	0.00200	0.000428	mg/L			10/02/24 11:50	1
cis-1,3-Dichloropropene	<0.00107	U	0.00500	0.00107	mg/L			10/02/24 11:50	1
trans-1,2-Dichloroethene	<0.000368	U	0.00100	0.000368	mg/L			10/02/24 11:50	1
trans-1,3-Dichloropropene	<0.00127	U	0.00500	0.00127	mg/L			10/02/24 11:50	1
Tetrachloroethene	<0.000655	U	0.00100	0.000655	mg/L			10/02/24 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*63 - 144*		*10/02/24 11:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*74 - 124*		*10/02/24 11:50*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 131*		*10/02/24 11:50*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/02/24 11:50*	*1*

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

Lab Sample ID: LCS 860-190881/3
Matrix: Water
Analysis Batch: 190881

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	0.0500	0.04798		mg/L		96	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.04992		mg/L		100	74 - 125
1,1,2-Trichloroethane	0.0500	0.04738		mg/L		95	75 - 130
1,1-Dichloroethane	0.0500	0.05195		mg/L		104	71 - 130
1,1-Dichloroethene	0.0500	0.05233		mg/L		105	50 - 150
1,2,4-Trichlorobenzene	0.0500	0.05346		mg/L		107	75 - 135
1,2-Dibromoethane	0.0500	0.04750		mg/L		95	73 - 125
1,2-Dichlorobenzene	0.0500	0.04758		mg/L		95	75 - 125
1,2-Dichloroethane	0.0500	0.04396		mg/L		88	72 - 130
1,2-Dichloropropane	0.0500	0.04573		mg/L		91	74 - 125
1,3-Dichlorobenzene	0.0500	0.04936		mg/L		99	75 - 125
1,4-Dichlorobenzene	0.0500	0.04991		mg/L		100	75 - 125
Methyl ethyl ketone (MEK)	0.250	0.2401		mg/L		96	60 - 140
2-Chloroethyl vinyl ether	0.0500	0.04632		mg/L		93	50 - 150
Acrolein	0.250	0.1558		mg/L		62	60 - 140
Acrylonitrile	0.500	0.5562		mg/L		111	60 - 140
Benzene	0.0500	0.04696		mg/L		94	75 - 125
Bromochloromethane	0.0500	0.04832		mg/L		97	60 - 140
Bromodichloromethane	0.0500	0.04505		mg/L		90	75 - 125
Bromoform	0.0500	0.04308		mg/L		86	70 - 130
Bromomethane	0.0500	0.05085		mg/L		102	60 - 140
Carbon tetrachloride	0.0500	0.04615		mg/L		92	70 - 125
Chlorobenzene	0.0500	0.04771		mg/L		95	82 - 135
Chloroethane	0.0500	0.05472		mg/L		109	60 - 140
Chloroform	0.0500	0.04902		mg/L		98	70 - 121
Chloromethane	0.0500	0.05199		mg/L		104	60 - 140
Dibromochloromethane	0.0500	0.04587		mg/L		92	73 - 125
Dibromomethane	0.0500	0.04648		mg/L		93	69 - 127
Ethylbenzene	0.0500	0.04688		mg/L		94	75 - 125
Methylene Chloride	0.0500	0.04883		mg/L		98	71 - 125
Tetrahydrofuran	0.100	0.1032		mg/L		103	75 - 125
Toluene	0.0500	0.04720		mg/L		94	75 - 130
Trichloroethene	0.0500	0.04800		mg/L		96	75 - 135
Trichlorofluoromethane	0.0500	0.05359		mg/L		107	60 - 140
Vinyl chloride	0.0500	0.05437		mg/L		109	60 - 140
cis-1,3-Dichloropropene	0.0500	0.04934		mg/L		99	74 - 125
trans-1,2-Dichloroethene	0.0500	0.05257		mg/L		105	75 - 125
trans-1,3-Dichloropropene	0.0500	0.04721		mg/L		94	66 - 125
Tetrachloroethene	0.0500	0.04678		mg/L		94	71 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 144*
4-Bromofluorobenzene (Surr)	*112*		*74 - 124*
Dibromofluoromethane (Surr)	*102*		*75 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

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

Lab Sample ID: LCSD 860-190881/4
Matrix: Water
Analysis Batch: 190881

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	0.0500	0.04870		mg/L		97	70 - 130	1	25
1,1,2,2-Tetrachloroethane	0.0500	0.05173		mg/L		103	74 - 125	4	25
1,1,2-Trichloroethane	0.0500	0.05091		mg/L		102	75 - 130	7	25
1,1-Dichloroethane	0.0500	0.05379		mg/L		108	71 - 130	3	25
1,1-Dichloroethene	0.0500	0.05354		mg/L		107	50 - 150	2	25
1,2,4-Trichlorobenzene	0.0500	0.05475		mg/L		110	75 - 135	2	25
1,2-Dibromoethane	0.0500	0.05057		mg/L		101	73 - 125	6	25
1,2-Dichlorobenzene	0.0500	0.04858		mg/L		97	75 - 125	2	25
1,2-Dichloroethane	0.0500	0.04523		mg/L		90	72 - 130	3	25
1,2-Dichloropropane	0.0500	0.04816		mg/L		96	74 - 125	5	25
1,3-Dichlorobenzene	0.0500	0.04948		mg/L		99	75 - 125	0	25
1,4-Dichlorobenzene	0.0500	0.04929		mg/L		99	75 - 125	1	25
Methyl ethyl ketone (MEK)	0.250	0.2571		mg/L		103	60 - 140	7	25
2-Chloroethyl vinyl ether	0.0500	0.04995		mg/L		100	50 - 150	8	25
Acrolein	0.250	0.1612		mg/L		64	60 - 140	3	25
Acrylonitrile	0.500	0.5903		mg/L		118	60 - 140	6	25
Benzene	0.0500	0.04777		mg/L		96	75 - 125	2	25
Bromochloromethane	0.0500	0.05035		mg/L		101	60 - 140	4	25
Bromodichloromethane	0.0500	0.04687		mg/L		94	75 - 125	4	25
Bromoform	0.0500	0.04406		mg/L		88	70 - 130	2	25
Bromomethane	0.0500	0.04798		mg/L		96	60 - 140	6	25
Carbon tetrachloride	0.0500	0.04635		mg/L		93	70 - 125	0	25
Chlorobenzene	0.0500	0.04892		mg/L		98	82 - 135	3	25
Chloroethane	0.0500	0.04937		mg/L		99	60 - 140	10	25
Chloroform	0.0500	0.05087		mg/L		102	70 - 121	4	25
Chloromethane	0.0500	0.04884		mg/L		98	60 - 140	6	25
Dibromochloromethane	0.0500	0.05042		mg/L		101	73 - 125	9	25
Dibromomethane	0.0500	0.04748		mg/L		95	69 - 127	2	25
Ethylbenzene	0.0500	0.04839		mg/L		97	75 - 125	3	25
Methylene Chloride	0.0500	0.05073		mg/L		101	71 - 125	4	25
Tetrahydrofuran	0.100	0.1152		mg/L		115	75 - 125	11	25
Toluene	0.0500	0.04814		mg/L		96	75 - 130	2	25
Trichloroethene	0.0500	0.04839		mg/L		97	75 - 135	1	25
Trichlorofluoromethane	0.0500	0.05398		mg/L		108	60 - 140	1	25
Vinyl chloride	0.0500	0.05018		mg/L		100	60 - 140	8	25
cis-1,3-Dichloropropene	0.0500	0.04996		mg/L		100	74 - 125	1	25
trans-1,2-Dichloroethene	0.0500	0.05309		mg/L		106	75 - 125	1	25
trans-1,3-Dichloropropene	0.0500	0.05037		mg/L		101	66 - 125	6	25
Tetrachloroethene	0.0500	0.04826		mg/L		97	71 - 125	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*63 - 144*
4-Bromofluorobenzene (Surr)	*105*		*74 - 124*
Dibromofluoromethane (Surr)	*104*		*75 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 860-191752/1-A
Matrix: Water
Analysis Batch: 192423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	<1.32	U	10.0	1.32	ug/L		10/07/24 05:11	10/09/24 12:36	1
1,2-Diphenylhydrazine	<1.49	U	10.0	1.49	ug/L		10/07/24 05:11	10/09/24 12:36	1
bis (2-chloroisopropyl) ether	<1.79	U	10.0	1.79	ug/L		10/07/24 05:11	10/09/24 12:36	1
2,4,5-Trichlorophenol	<2.00	U	10.0	2.00	ug/L		10/07/24 05:11	10/09/24 12:36	1
2,4,6-Trichlorophenol	<1.42	U	5.00	1.42	ug/L		10/07/24 05:11	10/09/24 12:36	1
2,4-Dichlorophenol	<0.314	U	5.00	0.314	ug/L		10/07/24 05:11	10/09/24 12:36	1
2,4-Dimethylphenol	<0.649	U	5.00	0.649	ug/L		10/07/24 05:11	10/09/24 12:36	1
2,4-Dinitrophenol	<1.61	U	10.0	1.61	ug/L		10/07/24 05:11	10/09/24 12:36	1
2,4-Dinitrotoluene	<1.31	U	10.0	1.31	ug/L		10/07/24 05:11	10/09/24 12:36	1
2,6-Dinitrotoluene	<1.61	U	5.00	1.61	ug/L		10/07/24 05:11	10/09/24 12:36	1
2-Chloronaphthalene	<0.462	U	5.00	0.462	ug/L		10/07/24 05:11	10/09/24 12:36	1
2-Chlorophenol	<0.649	U	5.00	0.649	ug/L		10/07/24 05:11	10/09/24 12:36	1
2-Nitrophenol	<1.67	U	10.0	1.67	ug/L		10/07/24 05:11	10/09/24 12:36	1
o-Cresol	<1.62	U	10.0	1.62	ug/L		10/07/24 05:11	10/09/24 12:36	1
m & p - Cresol	<2.62	U	10.0	2.62	ug/L		10/07/24 05:11	10/09/24 12:36	1
3,3'-Dichlorobenzidine	<0.341	U	5.00	0.341	ug/L		10/07/24 05:11	10/09/24 12:36	1
4,6-Dinitro-o-cresol	<1.44	U	10.0	1.44	ug/L		10/07/24 05:11	10/09/24 12:36	1
4-Bromophenyl phenyl ether	<0.256	U	5.00	0.256	ug/L		10/07/24 05:11	10/09/24 12:36	1
4-Chlorophenyl phenyl ether	<1.28	U	10.0	1.28	ug/L		10/07/24 05:11	10/09/24 12:36	1
4-Nitrophenol	<7.20	U	7.20	7.20	ug/L		10/07/24 05:11	10/09/24 12:36	1
4-Chloro-3-methylphenol	<1.57	U	5.00	1.57	ug/L		10/07/24 05:11	10/09/24 12:36	1
Acenaphthene	<1.39	U	5.70	1.39	ug/L		10/07/24 05:11	10/09/24 12:36	1
Acenaphthylene	<1.41	U	10.0	1.41	ug/L		10/07/24 05:11	10/09/24 12:36	1
Anthracene	<1.50	U	5.70	1.50	ug/L		10/07/24 05:11	10/09/24 12:36	1
Azobenzene	<1.50	U	10.0	1.50	ug/L		10/07/24 05:11	10/09/24 12:36	1
Benzidine	<20.0	U	20.0	20.0	ug/L		10/07/24 05:11	10/09/24 12:36	1
Benzo[a]anthracene	<0.173	U	5.00	0.173	ug/L		10/07/24 05:11	10/09/24 12:36	1
Benzo[a]pyrene	<0.364	U	5.00	0.364	ug/L		10/07/24 05:11	10/09/24 12:36	1
Benzo[b]fluoranthene	<2.04	U	10.0	2.04	ug/L		10/07/24 05:11	10/09/24 12:36	1
Benzo[g,h,i]perylene	<2.68	U	10.0	2.68	ug/L		10/07/24 05:11	10/09/24 12:36	1
Benzo[k]fluoranthene	<5.00	U	5.00	5.00	ug/L		10/07/24 05:11	10/09/24 12:36	1
Butyl benzyl phthalate	<0.337	U	5.00	0.337	ug/L		10/07/24 05:11	10/09/24 12:36	1
Chrysene	<0.222	U	5.00	0.222	ug/L		10/07/24 05:11	10/09/24 12:36	1
Dibenz(a,h)anthracene	<0.246	U	5.00	0.246	ug/L		10/07/24 05:11	10/09/24 12:36	1
Diethyl phthalate	<1.59	U	5.00	1.59	ug/L		10/07/24 05:11	10/09/24 12:36	1
Dimethyl phthalate	<2.50	U	2.50	2.50	ug/L		10/07/24 05:11	10/09/24 12:36	1
Fluoranthene	<1.59	U	5.00	1.59	ug/L		10/07/24 05:11	10/09/24 12:36	1
Fluorene	<1.63	U	5.00	1.63	ug/L		10/07/24 05:11	10/09/24 12:36	1
Hexachlorobenzene	<0.307	U	5.00	0.307	ug/L		10/07/24 05:11	10/09/24 12:36	1
Hexachlorobutadiene	<1.00	U	1.00	1.00	ug/L		10/07/24 05:11	10/09/24 12:36	1
Hexachlorocyclopentadiene	<10.0	U	10.0	10.0	ug/L		10/07/24 05:11	10/09/24 12:36	1
Hexachloroethane	<0.526	U	4.80	0.526	ug/L		10/07/24 05:11	10/09/24 12:36	1
Hexachlorophene	<10.0	U	100	10.0	ug/L		10/07/24 05:11	10/09/24 12:36	1
Indeno[1,2,3-cd]pyrene	<2.29	U	10.0	2.29	ug/L		10/07/24 05:11	10/09/24 12:36	1
Isophorone	<1.64	U	5.00	1.64	ug/L		10/07/24 05:11	10/09/24 12:36	1
N-Nitrosodi-n-butylamine	<1.49	U	10.0	1.49	ug/L		10/07/24 05:11	10/09/24 12:36	1
N-Nitrosodiethylamine	<1.75	U	10.0	1.75	ug/L		10/07/24 05:11	10/09/24 12:36	1
N-Nitrosodimethylamine	<2.02	U	10.0	2.02	ug/L		10/07/24 05:11	10/09/24 12:36	1

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

Lab Sample ID: MB 860-191752/1-A
Matrix: Water
Analysis Batch: 192423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<2.50	U	2.50	2.50	ug/L		10/07/24 05:11	10/09/24 12:36	1
Nitrobenzene	<1.66	U	5.00	1.66	ug/L		10/07/24 05:11	10/09/24 12:36	1
Nonylphenol	<10.0	U	10.0	10.0	ug/L		10/07/24 05:11	10/09/24 12:36	1
Pentachlorobenzene	<1.07	U	10.0	1.07	ug/L		10/07/24 05:11	10/09/24 12:36	1
Pentachlorophenol	<0.234	U	10.0	0.234	ug/L		10/07/24 05:11	10/09/24 12:36	1
Phenanthrene	<1.42	U	10.0	1.42	ug/L		10/07/24 05:11	10/09/24 12:36	1
Phenol	<0.423	U	4.50	0.423	ug/L		10/07/24 05:11	10/09/24 12:36	1
Pyrene	<0.178	U	5.00	0.178	ug/L		10/07/24 05:11	10/09/24 12:36	1
Pyridine	<10.0	U	10.0	10.0	ug/L		10/07/24 05:11	10/09/24 12:36	1
Bis(2-chloroethyl)ether	<2.16	U	10.0	2.16	ug/L		10/07/24 05:11	10/09/24 12:36	1
Bis(2-chloroethoxy)methane	<1.76	U	10.0	1.76	ug/L		10/07/24 05:11	10/09/24 12:36	1
Bis(2-ethylhexyl) phthalate	<0.277	U	5.00	0.277	ug/L		10/07/24 05:11	10/09/24 12:36	1
Di-n-butyl phthalate	<0.252	U	5.00	0.252	ug/L		10/07/24 05:11	10/09/24 12:36	1
Di-n-octyl phthalate	<0.373	U	5.00	0.373	ug/L		10/07/24 05:11	10/09/24 12:36	1
N-Nitrosodi-n-propylamine	<2.88	U	10.0	2.88	ug/L		10/07/24 05:11	10/09/24 12:36	1
N-Nitrosodiphenylamine	<1.81	U	10.0	1.81	ug/L		10/07/24 05:11	10/09/24 12:36	1
Total Cresols	<0.00262	U	0.0100	0.00262	mg/L		10/07/24 05:11	10/09/24 12:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*31 - 132*	*10/07/24 05:11*	*10/09/24 12:36*	*1*
2-Fluorobiphenyl (Surr)	*89*		*29 - 112*	*10/07/24 05:11*	*10/09/24 12:36*	*1*
2-Fluorophenol (Surr)	*44*		*28 - 114*	*10/07/24 05:11*	*10/09/24 12:36*	*1*
Nitrobenzene-d5 (Surr)	*82*		*15 - 314*	*10/07/24 05:11*	*10/09/24 12:36*	*1*
p-Terphenyl-d14 (Surr)	*97*		*20 - 141*	*10/07/24 05:11*	*10/09/24 12:36*	*1*
Phenol-d5 (Surr)	*26*		*8 - 424*	*10/07/24 05:11*	*10/09/24 12:36*	*1*

Lab Sample ID: LCS 860-191752/2-A
Matrix: Water
Analysis Batch: 192423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4,5-Tetrachlorobenzene	40.0	29.84		ug/L		75	41 - 125
1,2-Diphenylhydrazine	40.0	31.00		ug/L		77	28 - 136
bis (2-chloroisopropyl) ether	40.0	29.36		ug/L		73	63 - 139
2,4,5-Trichlorophenol	40.0	31.25		ug/L		78	35 - 111
2,4,6-Trichlorophenol	40.0	31.57		ug/L		79	52 - 129
2,4-Dichlorophenol	40.0	28.69		ug/L		72	53 - 122
2,4-Dimethylphenol	40.0	28.02		ug/L		70	42 - 120
2,4-Dinitrophenol	40.0	22.62		ug/L		57	12 - 173
2,4-Dinitrotoluene	40.0	31.34		ug/L		78	48 - 127
2,6-Dinitrotoluene	40.0	32.47		ug/L		81	68 - 137
2-Chloronaphthalene	40.0	29.22		ug/L		73	65 - 120
2-Chlorophenol	40.0	27.53		ug/L		69	36 - 120
2-Nitrophenol	40.0	30.05		ug/L		75	45 - 167
o-Cresol	40.0	23.74		ug/L		59	14 - 176
m & p - Cresol	40.0	21.56		ug/L		54	14 - 176
3,3'-Dichlorobenzidine	40.0	29.42		ug/L		74	18 - 213
4,6-Dinitro-o-cresol	40.0	30.55		ug/L		76	53 - 130

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

Lab Sample ID: LCS 860-191752/2-A
Matrix: Water
Analysis Batch: 192423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Bromophenyl phenyl ether	40.0	31.92		ug/L		80	65 - 120
4-Chlorophenyl phenyl ether	40.0	31.35		ug/L		78	38 - 145
4-Nitrophenol	40.0	19.75		ug/L		49	13 - 129
4-Chloro-3-methylphenol	40.0	26.60		ug/L		66	41 - 128
Acenaphthene	40.0	30.63		ug/L		77	60 - 132
Acenaphthylene	40.0	31.77		ug/L		79	54 - 126
Anthracene	40.0	32.60		ug/L		82	43 - 120
Azobenzene	40.0	31.00		ug/L		77	28 - 136
Benzidine	40.0	<20.0	U *-	ug/L		13	25 - 125
Benzo[a]anthracene	40.0	32.29		ug/L		81	42 - 133
Benzo[a]pyrene	40.0	33.63		ug/L		84	32 - 148
Benzo[b]fluoranthene	40.0	34.17		ug/L		85	42 - 140
Benzo[g,h,i]perylene	40.0	34.54		ug/L		86	13 - 195
Benzo[k]fluoranthene	40.0	32.92		ug/L		82	25 - 146
Butyl benzyl phthalate	40.0	29.57		ug/L		74	12 - 140
Chrysene	40.0	33.35		ug/L		83	44 - 140
Dibenz(a,h)anthracene	40.0	34.83		ug/L		87	16 - 200
Diethyl phthalate	40.0	32.14		ug/L		80	17 - 120
Dimethyl phthalate	40.0	31.74		ug/L		79	25 - 120
Fluoranthene	40.0	33.96		ug/L		85	43 - 121
Fluorene	40.0	31.74		ug/L		79	70 - 120
Hexachlorobenzene	40.0	32.29		ug/L		81	8 - 142
Hexachlorobutadiene	40.0	25.64		ug/L		64	38 - 120
Hexachlorocyclopentadiene	40.0	31.18		ug/L		78	41 - 125
Hexachloroethane	40.0	26.31		ug/L		66	55 - 120
Indeno[1,2,3-cd]pyrene	40.0	35.05		ug/L		88	13 - 151
Isophorone	40.0	28.85		ug/L		72	47 - 180
N-Nitrosodi-n-butylamine	40.0	25.67		ug/L		64	33 - 141
N-Nitrosodiethylamine	40.0	39.69		ug/L		99	30 - 160
N-Nitrosodimethylamine	40.0	17.56		ug/L		44	20 - 125
Naphthalene	40.0	26.68		ug/L		67	36 - 120
Nitrobenzene	40.0	29.41		ug/L		74	54 - 158
Pentachlorobenzene	40.0	31.19		ug/L		78	25 - 131
Pentachlorophenol	40.0	27.08		ug/L		68	38 - 152
Phenanthrene	40.0	30.93		ug/L		77	65 - 120
Phenol	40.0	12.44		ug/L		31	17 - 120
Pyrene	40.0	32.13		ug/L		80	70 - 120
Pyridine	80.0	15.86		ug/L		20	5 - 94
Bis(2-chloroethyl)ether	40.0	26.98		ug/L		67	43 - 126
Bis(2-chloroethoxy)methane	40.0	28.58		ug/L		71	49 - 165
Bis(2-ethylhexyl) phthalate	40.0	29.96		ug/L		75	29 - 137
Di-n-butyl phthalate	40.0	34.27		ug/L		86	8 - 120
Di-n-octyl phthalate	40.0	28.91		ug/L		72	19 - 132
N-Nitrosodi-n-propylamine	40.0	31.04		ug/L		78	14 - 198
N-Nitrosodiphenylamine	40.0	32.43		ug/L		81	2 - 196

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*31 - 132*

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

Lab Sample ID: LCS 860-191752/2-A
Matrix: Water
Analysis Batch: 192423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191752

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	83		29 - 112
2-Fluorophenol (Surr)	49		28 - 114
Nitrobenzene-d5 (Surr)	82		15 - 314
p-Terphenyl-d14 (Surr)	89		20 - 141
Phenol-d5 (Surr)	33		8 - 424

Lab Sample ID: LCSD 860-191752/3-A
Matrix: Water
Analysis Batch: 192423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191752

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	40.0	32.54		ug/L		81	41 - 125	9	30
1,2-Diphenylhydrazine	40.0	34.47		ug/L		86	28 - 136	11	30
bis (2-chloroisopropyl) ether	40.0	31.45		ug/L		79	63 - 139	7	30
2,4,5-Trichlorophenol	40.0	34.55		ug/L		86	35 - 111	10	30
2,4,6-Trichlorophenol	40.0	34.65		ug/L		87	52 - 129	9	30
2,4-Dichlorophenol	40.0	31.77		ug/L		79	53 - 122	10	30
2,4-Dimethylphenol	40.0	30.30		ug/L		76	42 - 120	8	30
2,4-Dinitrophenol	40.0	25.76		ug/L		64	12 - 173	13	30
2,4-Dinitrotoluene	40.0	34.92		ug/L		87	48 - 127	11	25
2,6-Dinitrotoluene	40.0	35.48		ug/L		89	68 - 137	9	29
2-Chloronaphthalene	40.0	32.44		ug/L		81	65 - 120	10	15
2-Chlorophenol	40.0	29.37		ug/L		73	36 - 120	6	30
2-Nitrophenol	40.0	33.48		ug/L		84	45 - 167	11	30
o-Cresol	40.0	25.23		ug/L		63	14 - 176	6	30
m & p - Cresol	40.0	23.00		ug/L		57	14 - 176	6	30
3,3'-Dichlorobenzidine	40.0	33.77		ug/L		84	18 - 213	14	30
4,6-Dinitro-o-cresol	40.0	34.86		ug/L		87	53 - 130	13	30
4-Bromophenyl phenyl ether	40.0	35.52		ug/L		89	65 - 120	11	26
4-Chlorophenyl phenyl ether	40.0	34.48		ug/L		86	38 - 145	9	30
4-Nitrophenol	40.0	20.51		ug/L		51	13 - 129	4	30
4-Chloro-3-methylphenol	40.0	29.21		ug/L		73	41 - 128	9	30
Acenaphthene	40.0	33.44		ug/L		84	60 - 132	9	29
Acenaphthylene	40.0	34.92		ug/L		87	54 - 126	9	30
Anthracene	40.0	36.55		ug/L		91	43 - 120	11	30
Azobenzene	40.0	34.47		ug/L		86	28 - 136	11	30
Benzidine	40.0	<20.0	U *- *1	ug/L		20	25 - 125	46	30
Benzo[a]anthracene	40.0	36.04		ug/L		90	42 - 133	11	30
Benzo[a]pyrene	40.0	37.80		ug/L		94	32 - 148	12	30
Benzo[b]fluoranthene	40.0	34.97		ug/L		87	42 - 140	2	30
Benzo[g,h,i]perylene	40.0	39.40		ug/L		98	13 - 195	13	30
Benzo[k]fluoranthene	40.0	39.03		ug/L		98	25 - 146	17	30
Butyl benzyl phthalate	40.0	31.81		ug/L		80	12 - 140	7	30
Chrysene	40.0	36.46		ug/L		91	44 - 140	9	30
Dibenz(a,h)anthracene	40.0	39.42		ug/L		99	16 - 200	12	30
Diethyl phthalate	40.0	35.23		ug/L		88	17 - 120	9	30
Dimethyl phthalate	40.0	34.84		ug/L		87	25 - 120	9	30
Fluoranthene	40.0	38.47		ug/L		96	43 - 121	12	30

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

Lab Sample ID: LCSD 860-191752/3-A
Matrix: Water
Analysis Batch: 192423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191752

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	40.0	34.90		ug/L		87	70 - 120	9	23
Hexachlorobenzene	40.0	35.15		ug/L		88	8 - 142	8	30
Hexachlorobutadiene	40.0	28.17		ug/L		70	38 - 120	9	30
Hexachlorocyclopentadiene	40.0	35.45		ug/L		89	41 - 125	13	30
Hexachloroethane	40.0	28.49		ug/L		71	55 - 120	8	30
Indeno[1,2,3-cd]pyrene	40.0	39.77		ug/L		99	13 - 151	13	30
Isophorone	40.0	32.17		ug/L		80	47 - 180	11	30
N-Nitrosodi-n-butylamine	40.0	28.81		ug/L		72	33 - 141	12	30
N-Nitrosodiethylamine	40.0	43.62		ug/L		109	30 - 160	9	30
N-Nitrosodimethylamine	40.0	17.75		ug/L		44	20 - 125	1	30
Naphthalene	40.0	29.28		ug/L		73	36 - 120	9	30
Nitrobenzene	40.0	32.49		ug/L		81	54 - 158	10	30
Pentachlorobenzene	40.0	33.94		ug/L		85	25 - 131	8	30
Pentachlorophenol	40.0	29.63		ug/L		74	38 - 152	9	30
Phenanthrene	40.0	34.70		ug/L		87	65 - 120	11	30
Phenol	40.0	12.37		ug/L		31	17 - 120	1	30
Pyrene	40.0	35.27		ug/L		88	70 - 120	9	30
Pyridine	80.0	16.07		ug/L		20	5 - 94	1	30
Bis(2-chloroethyl)ether	40.0	27.95		ug/L		70	43 - 126	4	30
Bis(2-chloroethoxy)methane	40.0	31.38		ug/L		78	49 - 165	9	30
Bis(2-ethylhexyl) phthalate	40.0	31.55		ug/L		79	29 - 137	5	30
Di-n-butyl phthalate	40.0	37.67		ug/L		94	8 - 120	9	28
Di-n-octyl phthalate	40.0	30.67		ug/L		77	19 - 132	6	30
N-Nitrosodi-n-propylamine	40.0	34.31		ug/L		86	14 - 198	10	30
N-Nitrosodiphenylamine	40.0	36.04		ug/L		90	2 - 196	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*111*		*31 - 132*
2-Fluorobiphenyl (Surr)	*94*		*29 - 112*
2-Fluorophenol (Surr)	*52*		*28 - 114*
Nitrobenzene-d5 (Surr)	*93*		*15 - 314*
p-Terphenyl-d14 (Surr)	*100*		*20 - 141*
Phenol-d5 (Surr)	*34*		*8 - 424*

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

Lab Sample ID: MB 860-190874/1-A
Matrix: Water
Analysis Batch: 191033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190874

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorpyrifos	<0.0159	U	0.0571	0.0159	ug/L		10/02/24 05:36	10/02/24 21:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*103*		*43 - 130*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
2-Fluorophenol (Surr)	*61*		*19 - 120*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
Nitrobenzene-d5 (Surr)	*106*		*37 - 133*	*10/02/24 05:36*	*10/02/24 21:00*	*1*
Phenol-d5 (Surr)	*37*		*8 - 124*	*10/02/24 05:36*	*10/02/24 21:00*	*1*

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

Lab Sample ID: MB 860-190874/1-A
Matrix: Water
Analysis Batch: 191033

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190874

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14 (Surr)	143	S1+	47 - 130	10/02/24 05:36	10/02/24 21:00	1
2,4,6-Tribromophenol (Surr)	87		35 - 130	10/02/24 05:36	10/02/24 21:00	1

Lab Sample ID: LCS 860-190874/4-A
Matrix: Water
Analysis Batch: 191033

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorpyrifos	2.86	4.856	*+	ug/L		170	34 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	94		43 - 130
2-Fluorophenol (Surr)	60		19 - 120
Nitrobenzene-d5 (Surr)	109		37 - 133
Phenol-d5 (Surr)	42		8 - 124
p-Terphenyl-d14 (Surr)	128		47 - 130
2,4,6-Tribromophenol (Surr)	87		35 - 130

Lab Sample ID: LCSD 860-190874/5-A
Matrix: Water
Analysis Batch: 191033

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190874

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorpyrifos	2.86	4.622	*+	ug/L		162	34 - 130	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl	94		43 - 130
2-Fluorophenol (Surr)	62		19 - 120
Nitrobenzene-d5 (Surr)	104		37 - 133
Phenol-d5 (Surr)	43		8 - 124
p-Terphenyl-d14 (Surr)	120		47 - 130
2,4,6-Tribromophenol (Surr)	87		35 - 130

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-488747/1-A
Matrix: Water
Analysis Batch: 489521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 488747

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	<1.14	U	3.00	1.14	ng/L		10/07/24 15:49	10/09/24 12:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tripentyltin	91		10 - 120	10/07/24 15:49	10/09/24 12:19	1

Method: Organotins SIM - Organotins (GC/MS SIM) (Continued)

Lab Sample ID: LCS 570-488747/2-A
Matrix: Water
Analysis Batch: 489521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 488747

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tributyltin			178	151.5		ng/L		85	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*86*		*10 - 120*

Lab Sample ID: LCSD 570-488747/3-A
Matrix: Water
Analysis Batch: 489521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 488747

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tributyltin			178	148.6		ng/L		83	10 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*91*		*10 - 120*

Method: 608.3 - Organochlorine Pesticides in Water

Lab Sample ID: MB 860-190669/1-A
Matrix: Water
Analysis Batch: 190630

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.00113	U	0.0100	0.00113	ug/L		10/01/24 10:18	10/01/24 13:19	1
alpha-BHC	<0.00142	U	0.00900	0.00142	ug/L		10/01/24 10:18	10/01/24 13:19	1
beta-BHC	<0.00389	U	0.0180	0.00389	ug/L		10/01/24 10:18	10/01/24 13:19	1
delta-BHC	<0.00245	U	0.250	0.00245	ug/L		10/01/24 10:18	10/01/24 13:19	1
gamma-BHC (Lindane)	<0.00299	U	0.0100	0.00299	ug/L		10/01/24 10:18	10/01/24 13:19	1
4,4'-DDD	<0.000814	U	0.0100	0.000814	ug/L		10/01/24 10:18	10/01/24 13:19	1
4,4'-DDE	<0.00109	U	0.0100	0.00109	ug/L		10/01/24 10:18	10/01/24 13:19	1
4,4'-DDT	<0.00379	U	0.0200	0.00379	ug/L		10/01/24 10:18	10/01/24 13:19	1
Dieldrin	<0.000953	U	0.0100	0.000953	ug/L		10/01/24 10:18	10/01/24 13:19	1
Endosulfan I	<0.00107	U	0.0100	0.00107	ug/L		10/01/24 10:18	10/01/24 13:19	1
Endosulfan II	<0.00122	U	0.0100	0.00122	ug/L		10/01/24 10:18	10/01/24 13:19	1
Endosulfan sulfate	<0.00112	U	0.0100	0.00112	ug/L		10/01/24 10:18	10/01/24 13:19	1
Endrin	<0.00156	U	0.0100	0.00156	ug/L		10/01/24 10:18	10/01/24 13:19	1
Endrin aldehyde	<0.00118	U	0.0100	0.00118	ug/L		10/01/24 10:18	10/01/24 13:19	1
Dicofol	<0.0500	U	0.100	0.0500	ug/L		10/01/24 10:18	10/01/24 13:19	1
Heptachlor	<0.00446	U	0.00900	0.00446	ug/L		10/01/24 10:18	10/01/24 13:19	1
Heptachlor epoxide	<0.00134	U	0.0100	0.00134	ug/L		10/01/24 10:18	10/01/24 13:19	1
Toxaphene	<0.0769	U	0.200	0.0769	ug/L		10/01/24 10:18	10/01/24 13:19	1
Chlordane	<0.103	U	0.250	0.103	ug/L		10/01/24 10:18	10/01/24 13:19	1
Methoxychlor	<0.00390	U	0.0200	0.00390	ug/L		10/01/24 10:18	10/01/24 13:19	1
Mirex	<0.0200	U	0.0200	0.0200	ug/L		10/01/24 10:18	10/01/24 13:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*112*		*15 - 136*	*10/01/24 10:18*	*10/01/24 13:19*	*1*
Tetrachloro-m-xylene	*105*		*18 - 126*	*10/01/24 10:18*	*10/01/24 13:19*	*1*

Method: 608.3 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: LCS 860-190669/2-A
Matrix: Water
Analysis Batch: 190630

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	0.100	0.09599		ug/L		96	42 - 140
alpha-BHC	0.100	0.09453		ug/L		95	37 - 140
beta-BHC	0.100	0.1088		ug/L		109	17 - 147
delta-BHC	0.100	0.04233	J	ug/L		42	19 - 140
gamma-BHC (Lindane)	0.100	0.1027		ug/L		103	34 - 140
4,4'-DDD	0.100	0.1087		ug/L		109	31 - 141
4,4'-DDE	0.100	0.1035		ug/L		103	30 - 145
4,4'-DDT	0.100	0.1027		ug/L		103	25 - 160
Dieldrin	0.100	0.1060		ug/L		106	36 - 146
Endosulfan I	0.100	0.1099		ug/L		110	45 - 153
Endosulfan II	0.100	0.1115		ug/L		112	22 - 171
Endosulfan sulfate	0.100	0.09009		ug/L		90	26 - 144
Endrin	0.100	0.1261		ug/L		126	30 - 147
Endrin aldehyde	0.100	0.09771		ug/L		98	60 - 130
Heptachlor	0.100	0.1068		ug/L		107	34 - 140
Heptachlor epoxide	0.100	0.1070		ug/L		107	37 - 142
Methoxychlor	0.100	0.1049		ug/L		105	50 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*110*		*15 - 136*
Tetrachloro-m-xylene	*102*		*18 - 126*

Lab Sample ID: LCSD 860-190669/3-A
Matrix: Water
Analysis Batch: 190630

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190669

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin	0.100	0.09173		ug/L		92	42 - 140	5	30
alpha-BHC	0.100	0.09116		ug/L		91	37 - 140	4	30
beta-BHC	0.100	0.1065		ug/L		107	17 - 147	2	30
delta-BHC	0.100	0.04109	J	ug/L		41	19 - 140	3	30
gamma-BHC (Lindane)	0.100	0.09948		ug/L		99	34 - 140	3	30
4,4'-DDD	0.100	0.1055		ug/L		105	31 - 141	3	30
4,4'-DDE	0.100	0.09902		ug/L		99	30 - 145	4	30
4,4'-DDT	0.100	0.1001		ug/L		100	25 - 160	3	30
Dieldrin	0.100	0.1016		ug/L		102	36 - 146	4	30
Endosulfan I	0.100	0.1067		ug/L		107	45 - 153	3	30
Endosulfan II	0.100	0.1077		ug/L		108	22 - 171	3	30
Endosulfan sulfate	0.100	0.08598		ug/L		86	26 - 144	5	30
Endrin	0.100	0.1211		ug/L		121	30 - 147	4	30
Endrin aldehyde	0.100	0.09174		ug/L		92	60 - 130	6	30
Heptachlor	0.100	0.1038		ug/L		104	34 - 140	3	30
Heptachlor epoxide	0.100	0.1031		ug/L		103	37 - 142	4	30
Methoxychlor	0.100	0.1007		ug/L		101	50 - 130	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*105*		*15 - 136*
Tetrachloro-m-xylene	*96*		*18 - 126*

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

Lab Sample ID: MB 860-190669/1-A
Matrix: Water
Analysis Batch: 190626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 13:12	1
PCB-1221	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 13:12	1
PCB-1232	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 13:12	1
PCB-1242	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 13:12	1
PCB-1248	<0.0125	U	0.100	0.0125	ug/L		10/01/24 10:18	10/01/24 13:12	1
PCB-1254	<0.00780	U	0.100	0.00780	ug/L		10/01/24 10:18	10/01/24 13:12	1
PCB-1260	<0.00780	U	0.100	0.00780	ug/L		10/01/24 10:18	10/01/24 13:12	1
Polychlorinated biphenyls, Total	<0.100	U	0.100	0.100	ug/L		10/01/24 10:18	10/01/24 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene (Surr)	*96*		*18 - 126*	*10/01/24 10:18*	*10/01/24 13:12*	*1*
DCB Decachlorobiphenyl (Surr)	*117*		*15 - 136*	*10/01/24 10:18*	*10/01/24 13:12*	*1*

Lab Sample ID: LCS 860-190669/4-A
Matrix: Water
Analysis Batch: 190626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1.00	1.325	*+	ug/L		133	61 - 103
PCB-1260	1.00	1.381	*+	ug/L		138	37 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*107*		*18 - 126*
DCB Decachlorobiphenyl (Surr)	*126*		*15 - 136*

Lab Sample ID: LCSD 860-190669/5-A
Matrix: Water
Analysis Batch: 190626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190669

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	1.00	1.326	*+	ug/L		133	61 - 103	0	24
PCB-1260	1.00	1.399	*+	ug/L		140	37 - 130	1	28

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene (Surr)	*104*		*18 - 126*
DCB Decachlorobiphenyl (Surr)	*128*		*15 - 136*

Method: 614 - Organophosphorous Pesticides (GC)

Lab Sample ID: MB 280-669450/1-A
Matrix: Water
Analysis Batch: 669605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Guthion	<0.353	U	2.50	0.353	ug/L		10/02/24 11:19	10/03/24 11:53	1
Diazinon	<0.147	U	0.500	0.147	ug/L		10/02/24 11:19	10/03/24 11:53	1
Disulfoton	<0.322	U	1.00	0.322	ug/L		10/02/24 11:19	10/03/24 11:53	1
Malathion	<0.133	U	2.00	0.133	ug/L		10/02/24 11:19	10/03/24 11:53	1

Method: 614 - Organophosphorous Pesticides (GC) (Continued)

Lab Sample ID: MB 280-669450/1-A
Matrix: Water
Analysis Batch: 669605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl parathion	<0.141	U	4.00	0.141	ug/L		10/02/24 11:19	10/03/24 11:53	1
Parathion	<0.144	U	1.00	0.144	ug/L		10/02/24 11:19	10/03/24 11:53	1
Demeton, Total	<0.209	U	3.00	0.209	ug/L		10/02/24 11:19	10/03/24 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Chlormefos	*74*		*49 - 171*	*10/02/24 11:19*	*10/03/24 11:53*	*1*
Triphenylphosphate	*87*		*60 - 154*	*10/02/24 11:19*	*10/03/24 11:53*	*1*

Lab Sample ID: LCS 280-669450/2-A
Matrix: Water
Analysis Batch: 669605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669450

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Guthion	4.00	2.796		ug/L		70	42 - 125
Diazinon	4.00	3.254		ug/L		81	47 - 149
Disulfoton	4.00	3.132		ug/L		78	44 - 139
Malathion	4.00	3.368		ug/L		84	53 - 137
Methyl parathion	4.00	3.251	J	ug/L		81	55 - 131
Parathion	4.00	3.751		ug/L		94	47 - 142
Demeton, Total	4.00	2.656	J	ug/L		66	33 - 141

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Chlormefos	*82*		*49 - 171*
Triphenylphosphate	*89*		*60 - 154*

Lab Sample ID: LCSD 280-669450/3-A
Matrix: Water
Analysis Batch: 669605

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 669450

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Guthion	4.00	2.958		ug/L		74	42 - 125	6	36
Diazinon	4.00	3.327		ug/L		83	47 - 149	2	40
Disulfoton	4.00	3.205		ug/L		80	44 - 139	2	40
Malathion	4.00	3.340		ug/L		84	53 - 137	1	28
Methyl parathion	4.00	3.237	J	ug/L		81	55 - 131	0	30
Parathion	4.00	3.789		ug/L		95	47 - 142	1	40
Demeton, Total	4.00	2.892	J	ug/L		72	33 - 141	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Chlormefos	*82*		*49 - 171*
Triphenylphosphate	*90*		*60 - 154*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-190375/42
Matrix: Water
Analysis Batch: 190375

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.100	U	0.500	0.100	mg/L			09/30/24 11:16	1

Lab Sample ID: LCS 860-190375/43
Matrix: Water
Analysis Batch: 190375

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	10.09		mg/L		101	90 - 110

Lab Sample ID: LCSD 860-190375/44
Matrix: Water
Analysis Batch: 190375

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
Fluoride	10.0	10.10		mg/L		101	90 - 110	0	20

Lab Sample ID: LLCS 860-190375/46
Matrix: Water
Analysis Batch: 190375

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.500	0.4741	J	mg/L		95	50 - 150

Lab Sample ID: 860-83684-1 MS
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.327	J	10.0	9.814		mg/L		95	90 - 110

Lab Sample ID: 860-83684-1 MSD
Matrix: Water
Analysis Batch: 190375

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.327	J	10.0	9.827		mg/L		95	90 - 110	0	15

Lab Sample ID: MB 860-190376/42
Matrix: Water
Analysis Batch: 190376

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.0391	U	0.100	0.0391	mg/L			09/30/24 11:16	1

Lab Sample ID: LCS 860-190376/43
Matrix: Water
Analysis Batch: 190376

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	10.0	10.50		mg/L		105	90 - 110

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 860-190376/44
Matrix: Water
Analysis Batch: 190376

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 as N	10.0	10.51		mg/L		105	90 - 110	0	20

Lab Sample ID: 860-83684-1 MS
Matrix: Water
Analysis Batch: 190376

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	21.0	F1	10.0	32.24	F1	mg/L		113	90 - 110

Lab Sample ID: 860-83684-1 MSD
Matrix: Water
Analysis Batch: 190376

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	21.0	F1	10.0	32.28	F1	mg/L		113	90 - 110	0	15

Method: 632 - Carbamate and Urea Pesticides (HPLC)

Lab Sample ID: MB 860-190582/1-A
Matrix: Water
Analysis Batch: 193497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190582

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1.85	U	5.00	1.85	ug/L		10/01/24 05:24	10/15/24 01:22	1
Diuron	<0.0514	U	0.0900	0.0514	ug/L		10/01/24 05:24	10/15/24 01:22	1

Lab Sample ID: LCS 860-190582/2-A
Matrix: Water
Analysis Batch: 193497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbaryl	100	99.24		ug/L		99	70 - 130
Diuron	2.00	1.980		ug/L		99	70 - 130

Lab Sample ID: LCSD 860-190582/3-A
Matrix: Water
Analysis Batch: 193497

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 190582

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbaryl	100	99.33		ug/L		99	70 - 130	0	20
Diuron	2.00	2.051		ug/L		103	70 - 130	4	20

Method: 8321B - Herbicides (LC/MS)

Lab Sample ID: MB 860-190407/10
Matrix: Water
Analysis Batch: 190407

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	<1.20	U	5.00	1.20	ug/L			09/30/24 13:21	1

Method: 8321B - Herbicides (LC/MS) (Continued)

Lab Sample ID: MB 860-190407/10
Matrix: Water
Analysis Batch: 190407

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorprop	<0.707	U	5.00	0.707	ug/L			09/30/24 13:21	1
2,4,5-T	<1.73	U	5.00	1.73	ug/L			09/30/24 13:21	1
Pentachlorophenol	<0.325	U	1.00	0.325	ug/L			09/30/24 13:21	1
MCPP	<0.646	U	1.00	0.646	ug/L			09/30/24 13:21	1
MCPA	<0.536	U	1.00	0.536	ug/L			09/30/24 13:21	1
Dinoseb	<0.936	U	5.00	0.936	ug/L			09/30/24 13:21	1
Dicamba	<1.72	U	5.00	1.72	ug/L			09/30/24 13:21	1
2,4-DB	<1.54	U	5.00	1.54	ug/L			09/30/24 13:21	1
2,4-D	<1.08	U	5.00	1.08	ug/L			09/30/24 13:21	1
Dalapon	<1.54	U	5.00	1.54	ug/L			09/30/24 13:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*118*		*50 - 150*		*09/30/24 13:21*	*1*

Lab Sample ID: LCS 860-190407/5
Matrix: Water
Analysis Batch: 190407

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silvex (2,4,5-TP)	40.2	63.29	*+	ug/L		158	50 - 150
Dichlorprop	40.4	52.18		ug/L		129	50 - 150
2,4,5-T	39.8	42.73		ug/L		107	50 - 150
Pentachlorophenol	40.3	51.56		ug/L		128	50 - 150
MCPP	40.4	53.52		ug/L		133	50 - 150
MCPA	40.1	55.82		ug/L		139	50 - 150
Dinoseb	40.3	43.57		ug/L		108	50 - 150
Dicamba	40.4	55.02		ug/L		136	50 - 150
2,4-DB	40.2	51.81		ug/L		129	50 - 150
2,4-D	40.7	46.68		ug/L		115	50 - 150
Dalapon	40.1	49.18		ug/L		123	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCAA	*111*		*50 - 150*

Lab Sample ID: LCSD 860-190407/6
Matrix: Water
Analysis Batch: 190407

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
Silvex (2,4,5-TP)	40.2	62.37	*+	ug/L		155	50 - 150	1	30
Dichlorprop	40.4	52.89		ug/L		131	50 - 150	1	30
2,4,5-T	39.8	43.08		ug/L		108	50 - 150	1	30
Pentachlorophenol	40.3	53.56		ug/L		133	50 - 150	4	30
MCPP	40.4	53.50		ug/L		132	50 - 150	0	30
MCPA	40.1	56.86		ug/L		142	50 - 150	2	30
Dinoseb	40.3	45.35		ug/L		113	50 - 150	4	30
Dicamba	40.4	56.52		ug/L		140	50 - 150	3	30
2,4-DB	40.2	52.22		ug/L		130	50 - 150	1	30

Method: 8321B - Herbicides (LC/MS) (Continued)

Lab Sample ID: LCSD 860-190407/6
Matrix: Water
Analysis Batch: 190407

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
2,4-D	40.7	46.90		ug/L		115	50 - 150	0	30
Dalapon	40.1	50.04		ug/L		125	50 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCAA	*116*		*50 - 150*

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

Lab Sample ID: MB 400-686594/3-A
Matrix: Water
Analysis Batch: 686684

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686594

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.200	U	0.500	0.200	ng/L		10/02/24 16:00	10/03/24 10:12	1

Lab Sample ID: LCS 400-686594/4-A
Matrix: Water
Analysis Batch: 686684

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.982		ng/L		100	79 - 121

Lab Sample ID: LCSD 400-686594/5-A
Matrix: Water
Analysis Batch: 686684

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686594

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	5.00	4.781		ng/L		96	79 - 121	4	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-190726/1-A
Matrix: Water
Analysis Batch: 190795

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 190726

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	<0.00301	U	0.0200	0.00301	mg/L		10/01/24 12:51	10/01/24 18:10	1
Antimony	<0.00105	U	0.00200	0.00105	mg/L		10/01/24 12:51	10/01/24 18:10	1
Arsenic	<0.000929	U	0.00400	0.000929	mg/L		10/01/24 12:51	10/01/24 18:10	1
Barium	<0.000954	U	0.00400	0.000954	mg/L		10/01/24 12:51	10/01/24 18:10	1
Beryllium	<0.000375	U	0.00200	0.000375	mg/L		10/01/24 12:51	10/01/24 18:10	1
Cadmium	<0.000258	U	0.00200	0.000258	mg/L		10/01/24 12:51	10/01/24 18:10	1
Chromium	<0.000890	U	0.00400	0.000890	mg/L		10/01/24 12:51	10/01/24 18:10	1
Copper	<0.000690	U	0.00400	0.000690	mg/L		10/01/24 12:51	10/01/24 18:10	1
Lead	<0.000369	U	0.00200	0.000369	mg/L		10/01/24 12:51	10/01/24 18:10	1
Nickel	<0.000486	U	0.00200	0.000486	mg/L		10/01/24 12:51	10/01/24 18:10	1
Selenium	<0.000685	U	0.00200	0.000685	mg/L		10/01/24 12:51	10/01/24 18:10	1
Silver	<0.000351	U	0.00200	0.000351	mg/L		10/01/24 12:51	10/01/24 18:10	1
Thallium	<0.000215	U	0.00200	0.000215	mg/L		10/01/24 12:51	10/01/24 18:10	1
Zinc	<0.000885	U	0.00400	0.000885	mg/L		10/01/24 12:51	10/01/24 18:10	1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: LCS 860-190726/2-A
Matrix: Water
Analysis Batch: 190795

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 190726

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.500	0.4702		mg/L		94	85 - 115
Antimony	0.100	0.08616		mg/L		86	85 - 115
Arsenic	0.100	0.09218		mg/L		92	85 - 115
Barium	0.100	0.09276		mg/L		93	85 - 115
Beryllium	0.100	0.09432		mg/L		94	85 - 115
Cadmium	0.100	0.09290		mg/L		93	85 - 115
Chromium	0.100	0.08957		mg/L		90	85 - 115
Copper	0.100	0.09137		mg/L		91	85 - 115
Lead	0.100	0.08992		mg/L		90	85 - 115
Nickel	0.100	0.08826		mg/L		88	85 - 115
Selenium	0.100	0.09276		mg/L		93	85 - 115
Silver	0.0500	0.04333		mg/L		87	85 - 115
Thallium	0.100	0.08943		mg/L		89	85 - 115
Zinc	0.100	0.09502		mg/L		95	85 - 115

Lab Sample ID: LCSD 860-190726/3-A
Matrix: Water
Analysis Batch: 190795

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 190726

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.500	0.4648		mg/L		93	85 - 115	1	20
Antimony	0.100	0.08742		mg/L		87	85 - 115	1	20
Arsenic	0.100	0.09243		mg/L		92	85 - 115	0	20
Barium	0.100	0.09274		mg/L		93	85 - 115	0	20
Beryllium	0.100	0.09392		mg/L		94	85 - 115	0	20
Cadmium	0.100	0.09325		mg/L		93	85 - 115	0	20
Chromium	0.100	0.09008		mg/L		90	85 - 115	1	20
Copper	0.100	0.09180		mg/L		92	85 - 115	0	20
Lead	0.100	0.08999		mg/L		90	85 - 115	0	20
Nickel	0.100	0.08840		mg/L		88	85 - 115	0	20
Selenium	0.100	0.09286		mg/L		93	85 - 115	0	20
Silver	0.0500	0.04577		mg/L		92	85 - 115	5	20
Thallium	0.100	0.08947		mg/L		89	85 - 115	0	20
Zinc	0.100	0.09457		mg/L		95	85 - 115	0	20

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 860-191474/55
Matrix: Water
Analysis Batch: 191474

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenols, Total	<0.00580	U	0.0100	0.00580	mg/L			10/03/24 21:04	1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 860-191474/56
Matrix: Water
Analysis Batch: 191474

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenols, Total	0.100	0.09480		mg/L		95	90 - 110

Lab Sample ID: LCSD 860-191474/57
Matrix: Water
Analysis Batch: 191474

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
Phenols, Total	0.100	0.09710		mg/L		97	90 - 110	2	20

Method: 4500 CN G NonAm - Cyanide, Non-amenable

Lab Sample ID: MB 860-192010/4-A
Matrix: Water
Analysis Batch: 192091

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Non-amenable	<0.00233	U	0.00500	0.00233	mg/L		10/07/24 18:48	10/07/24 19:27	1

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 860-190531/3
Matrix: Water
Analysis Batch: 190531

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.00345	U	0.0100	0.00345	mg/L			09/30/24 17:01	1

Lab Sample ID: LCS 860-190531/4
Matrix: Water
Analysis Batch: 190531

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.200	0.1982		mg/L		99	85 - 115

Lab Sample ID: LCSD 860-190531/5
Matrix: Water
Analysis Batch: 190531

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
Cr (VI)	0.200	0.1995		mg/L		100	85 - 115	1	20

Lab Sample ID: 860-83684-1 MS
Matrix: Water
Analysis Batch: 190531

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.00345	U	0.200	0.1955		mg/L		98	85 - 115

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 860-83684-1 MSD
Matrix: Water
Analysis Batch: 190531

Client Sample ID: Final Effluent Composite 09/29/2024 08:18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.00345	U	0.200	0.1955		mg/L		98	85 - 115	0	20

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate

Lab Sample ID: MB 860-191625/24
Matrix: Water
Analysis Batch: 191625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00198	U	0.00500	0.00198	mg/L			10/04/24 12:19	1

Lab Sample ID: MB 860-191625/64
Matrix: Water
Analysis Batch: 191625

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.00198	U	0.00500	0.00198	mg/L			10/04/24 14:13	1

Lab Sample ID: LCS 860-191625/65
Matrix: Water
Analysis Batch: 191625

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.100	0.1082		mg/L		108	90 - 110

Lab Sample ID: LCSD 860-191625/66
Matrix: Water
Analysis Batch: 191625

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
Cyanide, Total	0.100	0.1090		mg/L		109	90 - 110	1	20

Lab Sample ID: LLCS 860-191625/25
Matrix: Water
Analysis Batch: 191625

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.00500	0.005454		mg/L		109	50 - 150

GC/MS VOA

Analysis Batch: 190881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-3	Final Effluent	Total/NA	Water	624.1	
MB 860-190881/9	Method Blank	Total/NA	Water	624.1	
LCS 860-190881/3	Lab Control Sample	Total/NA	Water	624.1	
LCSD 860-190881/4	Lab Control Sample Dup	Total/NA	Water	624.1	

GC/MS Semi VOA

Prep Batch: 190874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	3511	
MB 860-190874/1-A	Method Blank	Total/NA	Water	3511	
LCS 860-190874/4-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 860-190874/5-A	Lab Control Sample Dup	Total/NA	Water	3511	

Analysis Batch: 191033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	625.1	190874
MB 860-190874/1-A	Method Blank	Total/NA	Water	625.1	190874
LCS 860-190874/4-A	Lab Control Sample	Total/NA	Water	625.1	190874
LCSD 860-190874/5-A	Lab Control Sample Dup	Total/NA	Water	625.1	190874

Prep Batch: 191752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	625	
MB 860-191752/1-A	Method Blank	Total/NA	Water	625	
LCS 860-191752/2-A	Lab Control Sample	Total/NA	Water	625	
LCSD 860-191752/3-A	Lab Control Sample Dup	Total/NA	Water	625	

Analysis Batch: 191892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	625.1	191752

Analysis Batch: 192423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-191752/1-A	Method Blank	Total/NA	Water	625.1	191752
LCS 860-191752/2-A	Lab Control Sample	Total/NA	Water	625.1	191752
LCSD 860-191752/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	191752

Prep Batch: 488747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	Organotin	
MB 570-488747/1-A	Method Blank	Total/NA	Water	Organotin	
LCS 570-488747/2-A	Lab Control Sample	Total/NA	Water	Organotin	
LCSD 570-488747/3-A	Lab Control Sample Dup	Total/NA	Water	Organotin	

Analysis Batch: 489521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	Organotins SIM	488747
MB 570-488747/1-A	Method Blank	Total/NA	Water	Organotins SIM	488747
LCS 570-488747/2-A	Lab Control Sample	Total/NA	Water	Organotins SIM	488747
LCSD 570-488747/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins SIM	488747

QC Association Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

GC Semi VOA

Analysis Batch: 190626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	608.3	190669
MB 860-190669/1-A	Method Blank	Total/NA	Water	608.3	190669
LCS 860-190669/4-A	Lab Control Sample	Total/NA	Water	608.3	190669
LCSD 860-190669/5-A	Lab Control Sample Dup	Total/NA	Water	608.3	190669

Analysis Batch: 190630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	608.3	190669
MB 860-190669/1-A	Method Blank	Total/NA	Water	608.3	190669
LCS 860-190669/2-A	Lab Control Sample	Total/NA	Water	608.3	190669
LCSD 860-190669/3-A	Lab Control Sample Dup	Total/NA	Water	608.3	190669

Prep Batch: 190669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	608	
MB 860-190669/1-A	Method Blank	Total/NA	Water	608	
LCS 860-190669/2-A	Lab Control Sample	Total/NA	Water	608	
LCS 860-190669/4-A	Lab Control Sample	Total/NA	Water	608	
LCSD 860-190669/3-A	Lab Control Sample Dup	Total/NA	Water	608	
LCSD 860-190669/5-A	Lab Control Sample Dup	Total/NA	Water	608	

Prep Batch: 669450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	614	
MB 280-669450/1-A	Method Blank	Total/NA	Water	614	
LCS 280-669450/2-A	Lab Control Sample	Total/NA	Water	614	
LCSD 280-669450/3-A	Lab Control Sample Dup	Total/NA	Water	614	

Analysis Batch: 669605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	614	669450
MB 280-669450/1-A	Method Blank	Total/NA	Water	614	669450
LCS 280-669450/2-A	Lab Control Sample	Total/NA	Water	614	669450
LCSD 280-669450/3-A	Lab Control Sample Dup	Total/NA	Water	614	669450

HPLC/IC

Analysis Batch: 190375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	300.0	
MB 860-190375/42	Method Blank	Total/NA	Water	300.0	
LCS 860-190375/43	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-190375/44	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-190375/46	Lab Control Sample	Total/NA	Water	300.0	
860-83684-1 MS	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	300.0	
860-83684-1 MSD	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	300.0	

Analysis Batch: 190376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	300.0	
MB 860-190376/42	Method Blank	Total/NA	Water	300.0	

HPLC/IC (Continued)

Analysis Batch: 190376 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-190376/43	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-190376/44	Lab Control Sample Dup	Total/NA	Water	300.0	
860-83684-1 MS	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	300.0	
860-83684-1 MSD	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	300.0	

Prep Batch: 190582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	CWA_Prep	
MB 860-190582/1-A	Method Blank	Total/NA	Water	CWA_Prep	
LCS 860-190582/2-A	Lab Control Sample	Total/NA	Water	CWA_Prep	
LCSD 860-190582/3-A	Lab Control Sample Dup	Total/NA	Water	CWA_Prep	

Analysis Batch: 193497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	632	190582
MB 860-190582/1-A	Method Blank	Total/NA	Water	632	190582
LCS 860-190582/2-A	Lab Control Sample	Total/NA	Water	632	190582
LCSD 860-190582/3-A	Lab Control Sample Dup	Total/NA	Water	632	190582

LCMS

Analysis Batch: 190407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	8321B	
MB 860-190407/10	Method Blank	Total/NA	Water	8321B	
LCS 860-190407/5	Lab Control Sample	Total/NA	Water	8321B	
LCSD 860-190407/6	Lab Control Sample Dup	Total/NA	Water	8321B	

Metals

Prep Batch: 190726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total Recoverable	Water	200.8	
MB 860-190726/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 860-190726/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 860-190726/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	

Analysis Batch: 190795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total Recoverable	Water	200.8	190726
MB 860-190726/1-A	Method Blank	Total Recoverable	Water	200.8	190726
LCS 860-190726/2-A	Lab Control Sample	Total Recoverable	Water	200.8	190726
LCSD 860-190726/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	190726

Prep Batch: 686594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	1631E	
860-83684-2	Field Blank LL Hg	Total/NA	Water	1631E	
MB 400-686594/3-A	Method Blank	Total/NA	Water	1631E	
LCS 400-686594/4-A	Lab Control Sample	Total/NA	Water	1631E	
LCSD 400-686594/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	

QC Association Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

Metals

Analysis Batch: 686684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	1631E	686594
860-83684-2	Field Blank LL Hg	Total/NA	Water	1631E	686594
MB 400-686594/3-A	Method Blank	Total/NA	Water	1631E	686594
LCS 400-686594/4-A	Lab Control Sample	Total/NA	Water	1631E	686594
LCSD 400-686594/5-A	Lab Control Sample Dup	Total/NA	Water	1631E	686594

General Chemistry

Analysis Batch: 190531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	7196A	
MB 860-190531/3	Method Blank	Total/NA	Water	7196A	
LCS 860-190531/4	Lab Control Sample	Total/NA	Water	7196A	
LCSD 860-190531/5	Lab Control Sample Dup	Total/NA	Water	7196A	
860-83684-1 MS	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	7196A	
860-83684-1 MSD	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	7196A	

Analysis Batch: 190573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Total/NA	Water	7196A	

Analysis Batch: 191474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-3	Final Effluent	Total/NA	Water	420.4	
MB 860-191474/55	Method Blank	Total/NA	Water	420.4	
LCS 860-191474/56	Lab Control Sample	Total/NA	Water	420.4	
LCSD 860-191474/57	Lab Control Sample Dup	Total/NA	Water	420.4	

Analysis Batch: 191625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-3	Final Effluent	Total/NA	Water	Kelada 01	
MB 860-191625/24	Method Blank	Total/NA	Water	Kelada 01	
MB 860-191625/64	Method Blank	Total/NA	Water	Kelada 01	
LCS 860-191625/65	Lab Control Sample	Total/NA	Water	Kelada 01	
LCSD 860-191625/66	Lab Control Sample Dup	Total/NA	Water	Kelada 01	
LLCS 860-191625/25	Lab Control Sample	Total/NA	Water	Kelada 01	

Prep Batch: 192010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-3	Final Effluent	Total/NA	Water	Distill/CN	
MB 860-192010/4-A	Method Blank	Total/NA	Water	Distill/CN	
LCS 860-192010/5-A	Lab Control Sample	Total/NA	Water	Distill/CN	
LCSD 860-192010/6-A	Lab Control Sample Dup	Total/NA	Water	Distill/CN	

Analysis Batch: 192091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-3	Final Effluent	Total/NA	Water	4500 CN G NonAm	192010
MB 860-192010/4-A	Method Blank	Total/NA	Water	4500 CN G NonAm	192010
LCS 860-192010/5-A	Lab Control Sample	Total/NA	Water	4500 CN G NonAm	192010

General Chemistry (Continued)

Analysis Batch: 192091 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 860-192010/6-A	Lab Control Sample Dup	Total/NA	Water	4500 CN G NonAm	192010

Analysis Batch: 192207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-83684-3	Final Effluent	Total/NA	Water	SM 4500 CN G	

Lab Chronicle

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

Client Sample ID: Final Effluent Composite 09/29/2024 08:18

Date Collected: 09/30/24 07:18
Date Received: 09/30/24 10:36

Lab Sample ID: 860-83684-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	625			1000 mL	1 mL	191752	10/07/24 05:11	DR	EET HOU
Total/NA	Analysis	625.1		1	1 MJ/Kg	1 MJ/Kg	191892	10/07/24 23:46	PXS	EET HOU
Total/NA	Prep	3511			70.3 mL	4 mL	190874	10/02/24 05:36	DR	EET HOU
Total/NA	Analysis	625.1		1	1 mL	1 mL	191033	10/03/24 00:59	PXS	EET HOU
Total/NA	Prep	Organotin			1021.2 mL	1 mL	488747	10/07/24 15:49	UWEZ	EET CAL 4
Total/NA	Analysis	Organotins SIM		1	1 mL	1 mL	489521	10/09/24 17:56	ULLI	EET CAL 4
Total/NA	Prep	608			1000 mL	1 mL	190669	10/01/24 10:18	BH	EET HOU
Total/NA	Analysis	608.3		1			190626	10/01/24 14:50	KM	EET HOU
Total/NA	Prep	608			1000 mL	1 mL	190669	10/01/24 10:18	BH	EET HOU
Total/NA	Analysis	608.3		1			190630	10/01/24 15:19	KM	EET HOU
Total/NA	Prep	614			1011.2 mL	2 mL	669450	10/02/24 11:19	DN	EET DEN
Total/NA	Analysis	614		1	0.25 mL	0.25 mL	669605	10/03/24 16:21	SP	EET DEN
Total/NA	Analysis	300.0		1			190375	09/30/24 14:59	HN	EET HOU
Total/NA	Analysis	300.0		1			190376	09/30/24 14:59	HN	EET HOU
Total/NA	Prep	CWA_Prep			1000 mL	10 mL	190582	10/01/24 05:24	DR	EET HOU
Total/NA	Analysis	632		1			193497	10/15/24 03:34	YG	EET HOU
Total/NA	Analysis	8321B		1	0.5 mL	1 mL	190407	09/30/24 17:31	JBS	EET HOU
Total/NA	Prep	1631E			40 mL	40 mL	686594	10/02/24 14:35	VLC	EET PEN
							Completed:	10/03/24 09:30 [1]		
Total/NA	Analysis	1631E		1			686684	10/03/24 12:22	VLC	EET PEN
Total Recoverable	Prep	200.8			50 mL	50 mL	190726	10/01/24 12:51	MD	EET HOU
Total Recoverable	Analysis	200.8		1			190795	10/01/24 18:39	SHZ	EET HOU
Total/NA	Analysis	7196A		1	25 mL	25 mL	190531	09/30/24 17:01	SCI	EET HOU
Total/NA	Analysis	7196A		1			190573	10/08/24 20:12	SHZ	EET HOU

Client Sample ID: Field Blank LL Hg

Date Collected: 09/30/24 07:25
Date Received: 09/30/24 10:36

Lab Sample ID: 860-83684-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			40 mL	40 mL	686594	10/02/24 14:35	VLC	EET PEN
							Completed:	10/03/24 09:30 [1]		
Total/NA	Analysis	1631E		1			686684	10/03/24 12:30	VLC	EET PEN

Client Sample ID: Final Effluent

Date Collected: 09/30/24 07:30
Date Received: 09/30/24 10:36

Lab Sample ID: 860-83684-3
Matrix: Water

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	190881	10/02/24 17:58	NA	EET HOU
Total/NA	Analysis	420.4		1	10 mL	10 mL	191474	10/03/24 21:20	BW	EET HOU
Total/NA	Prep	Distill/CN			6 mL	6 mL	192010	10/07/24 18:49	MLEI	EET HOU
Total/NA	Analysis	4500 CN G NonAm		1			192091	10/07/24 19:34	MLEI	EET HOU
Total/NA	Analysis	Kelada 01		1	10 mL	10 mL	191625	10/04/24 15:38	BW	EET HOU

Lab Chronicle

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

Client Sample ID: Final Effluent

Date Collected: 09/30/24 07:30
Date Received: 09/30/24 10:36

Lab Sample ID: 860-83684-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 CN G		1			192207	10/08/24 13:30	MC	EET HOU

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
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

Accreditation/Certification Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

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	06-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
420.4		Water	Phenols, Total
4500 CN G NonAm	Distill/CN	Water	Cyanide, Non-amenable
608.3	608	Water	Dicofol
608.3	608	Water	Mirex
608.3	608	Water	Polychlorinated biphenyls, Total
624.1		Water	1,2,4-Trichlorobenzene
624.1		Water	Bromochloromethane
624.1		Water	Dibromomethane
624.1		Water	Tetrahydrofuran
624.1		Water	Trihalomethanes, Total
625.1	3511	Water	Chlorpyrifos
625.1	625	Water	Azobenzene
625.1	625	Water	Hexachlorophene
625.1	625	Water	m & p - Cresol
625.1	625	Water	Nonylphenol
625.1	625	Water	Total Cresols
632	CWA_Prep	Water	Diuron
7196A		Water	Cr (III)
8321B		Water	Pentachlorophenol

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-15-24
Arkansas DEQ	State	88-0161	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-24
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	10-14-24
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

Laboratory: Eurofins Denver

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704183	09-30-25

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

Analysis Method	Prep Method	Matrix	Analyte
614	614	Water	Demeton, Total
614	614	Water	Diazinon

Laboratory: Eurofins Denver (Continued)

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

Authority	Program	Identification Number	Expiration Date

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
614	614	Water	Disulfoton
614	614	Water	Guthion
614	614	Water	Malathion
614	614	Water	Methyl parathion
614	614	Water	Parathion

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	06-30-25
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-25
California	State	2510	06-30-25
Florida	NELAP	E81010	06-30-25
Georgia	State	E81010(FL)	06-30-25
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-25
Louisiana (All)	NELAP	30976	06-30-25
Louisiana (DW)	State	LA017	12-31-24
North Carolina (WW/SW)	State	314	12-31-24
Oklahoma	NELAP	9810	10-09-24
Pennsylvania	NELAP	68-00467	01-31-25
South Carolina	State	96026	06-30-25
Tennessee	State	TN02907	06-30-25
Texas	NELAP	T104704286	09-30-25
US Fish & Wildlife	US Federal Programs	A22340	06-30-25
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	01-09-26
Virginia	NELAP	460166	06-14-25
West Virginia DEP	State	136	03-31-25

Method Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET HOU
625.1	Semivolatile Organic Compounds (GC-MS/MS)	EPA	EET HOU
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	EET CAL 4
608.3	Organochlorine Pesticides in Water	EPA	EET HOU
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET HOU
614	Organophosphorous Pesticides (GC)	EPA-01	EET DEN
300.0	Anions, Ion Chromatography	EPA	EET HOU
632	Carbamate and Urea Pesticides (HPLC)	EPA-01	EET HOU
8321B	Herbicides (LC/MS)	SW846	EET HOU
1631E	Mercury, Low Level (CVAFS)	EPA	EET PEN
200.8	Metals (ICP/MS)	EPA	EET HOU
420.4	Phenolics, Total Recoverable	EPA	EET HOU
4500 CN G NonAm	Cyanide, Non-amenable	SM	EET HOU
7196A	Chromium, Hexavalent	SW846	EET HOU
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET HOU
Kelada 01	Cyanide, Total, Acid Dissociable and Thiocyanate	EPA	EET HOU
SM 4500 CN G	Cyanide, Amenable	SM	EET HOU
1631E	Preparation, Mercury, Low Level	EPA	EET PEN
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
614	Liquid-Liquid Extraction	EPA-01	EET DEN
625	Liquid-Liquid Extraction	EPA	EET HOU
CWA_Prep	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
Distill/CN	Distillation, Cyanide	None	EET HOU
Organotin	Extraction (Organotins)	WRC	EET CAL 4

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.
Lab SOP = Laboratory Standard Operating Procedure
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.
WRC = WRC Notebook 11431-39, ICI America's Western Research Center May, 1989.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100
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

Sample Summary

Client: Environmental Monitoring Laboratory, LLC
Project/Site: City of Moulton

Job ID: 860-83684-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-83684-1	Final Effluent Composite 09/29/2024 08:18	Water	09/30/24 07:18	09/30/24 10:36
860-83684-2	Field Blank LL Hg	Water	09/30/24 07:25	09/30/24 10:36
860-83684-3	Final Effluent	Water	09/30/24 07:30	09/30/24 10:36

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Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

860-83684 Chain of Custody

www.xenco.com Page _____ of _____

Project Manager:	SERISSA BECK	Bill to: (if different)	
Company Name:	ENVIRONMENTAL MONITORING LABORATORY	Company Name:	
Address:	PO BOX 477	Address:	
City, State ZIP:	HILLSBORO TX	City, State ZIP:	
Phone:	254-582-2622	Email:	SBECK@YOURWATERLAB.COM

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other

Project Name:	City of Moulton	Turn Around	
Project Number:		☐ Routine ☐ Rush	
Project Location:	City of Moulton	Due Date:	
Sampler's Name:	Heather Wagner	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: 632 Carbaryl and Diuron	NA-AM 614.1 615.1 TX1001 TRIBUTYLIN	NA-AM 625.1 & 625QQQ, 608 PCB/PEST	NA-PL EPA300 (Short hold)	NA-PL HEX CHROMIUM,TRIVALENT CHROMIUM (Short hold)	HN METALS 200.8	GL Low-Level Mercury	VOA VOC Compounds- (624.1 SHORT HOLD)	H2 Phenol	NAOH Cyanide (Amenable to chlorination)
Final Effluent Composite	WW	9/29/24 9/30/24	0818 0718		Comp			X	X	X	X	X	X	X			
Field Blank LL Hg	W	9/30/24	0725		Grab Comp									X			
Final Effluent	WW	9/30/24	0730		Grab										X	X	X

Sample Comments

Temp: 5 8 IR ID HOU-368
C/F +0.2
Corrected Temp: 6 0

Total 200.7 / 6010 200.8 / 6020 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 REFRIGERATOR			2		
3		9/30/24 1036			
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on 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 $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Eurofins Houston
4145 Greenbriar Dr
Stafford, TX 77477
Phone: 281-240-4200

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Patel, Anita	Carrier Tracking No(s):	COC No: 860-161059.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Anita.Patel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Texas		Job #: 860-83684-1
Address: 4955 Yarrow Street, ,	Due Date Requested: 10/7/2024			Preservation Codes: -
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: City of Moulton	Project #: 87000461			
Site:	SSOW#:			Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	614/614_Prep (MOD) Organophosphorous Pesticides (GC)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Final Effluent Composite 09/29/2024 08:18 (860-83684-1)	9/30/24	07:18 Central	G	Water			X	1	

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		9/30/24 17:00			10/1/24 0915A	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8, CF: T-1, IR: TV1

Ver: 05/06/2024

Eurofins Houston
4145 Greenbriar Dr
Stafford, TX 77477
Phone: 281-240-4200

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Patel, Anita	Carrier Tracking No(s):	COC No: 860-161060.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Anita.Patel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): NELAP - Texas		Job #: 860-83684-1
Address: 3355 McLemore Drive, ,	Due Date Requested: 10/7/2024	Analysis Requested		Preservation Codes: -
City: Pensacola	TAT Requested (days):			
State, Zip: FL, 32514				
Phone: 850-474-1001(Tel) 850-478-2671(Fax)	PO #:			
Email:	WO #:			
Project Name: City of Moulton	Project #: 87000461			
Site:	SSOW#:			Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	1631E/1631E_Prep	Special Instructions/Note:
Final Effluent Composite 09/29/2024 08:18 (860-83684-1)	9/30/24	07:18 Central	G	Water	X	
Field Blank LL Hg (860-83684-2)	9/30/24	07:25 Central	G	Water	X	

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		9/30/24 17:00				
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/1/24 9:31	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 5.0°C IR10

Ver: 05/06/2024

ORIGIN ID:SGRA (281) 240-4200
ADMINISTRATIVE OFFICES
XENCO HOUSTON
4145 GREENBRIAR DR

STAFFORD, TX 77477
UNITED STATES US

SHIP DATE: 30SEP24
ACTWGT: 10.00 LB
CAD: 110189707/INET4760

BILL SENDER

TO PENSACOLA ENVIRON.
TESTAMERICA - PENSACOLA
3355 MCLEMORE DRIVE

PENSACOLA FL 32514
(281) 240-4200 REF:
INV:
PO: DEPT:

58CJ2/B264/C6C4

S. JRIO AB

FedEx Express

E

TUE - 01 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7789 2432 8753

32514
BFM
FL-US

XS PNSA

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.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on 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 $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Eurofins Houston
4145 Greenbriar Dr
Stafford, TX 77477
Phone: 281-240-4200

Chain of Custody Record

eurofins | E

Loc: 860
83684

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Patel, Anita	Carrier Tracking No(s):	COC No: 860-161058.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Anita.Patel@et.eurofinsus.com	State of Origin: Texas	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Texas		Job #: 860-83684-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 10/7/2024			Preservation Codes:
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: City of Moulton	Project #: 87000461			Other:
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Organotins_SIM/OrgTin_W_P Tributyltin Only	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Final Effluent Composite 09/29/2024 08:18 (860-83684-1)	9/30/24	07:18 Central	G	Water			X	2	

860-83684 Chain of Custody

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

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

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

Relinquished by:	Date/Time: 9/30/24 7:00	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/01/24 0940	Company ER

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: SG2 2.4/2.6

Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Job Number: 860-83684-1

Login Number: 83684
List Number: 1
Creator: Rubio, Yuri

List Source: Eurofins Houston

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Job Number: 860-83684-1

Login Number: 83684
List Number: 3
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 10/01/24 12:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Job Number: 860-83684-1

Login Number: 83684
List Number: 2
Creator: Little, Matthew L

List Source: Eurofins Denver
List Creation: 10/01/24 01:19 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Monitoring Laboratory, LLC

Job Number: 860-83684-1

Login Number: 83684
List Number: 4
Creator: Roberts, Darrien

List Source: Eurofins Pensacola
List Creation: 10/02/24 10:58 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	5.0°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 <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment K –

Landowner Information

Landowners List

1.) Bradley Thomas Barron
P.O. Box 275
Moulton, TX 77975

2.) Cheryl Lee Welfl
1822 Debeney Drive
Houston, TX 77039

3.) Darryl Tyrone Mathis
P.O. Box 257
Shiner, TX 77984

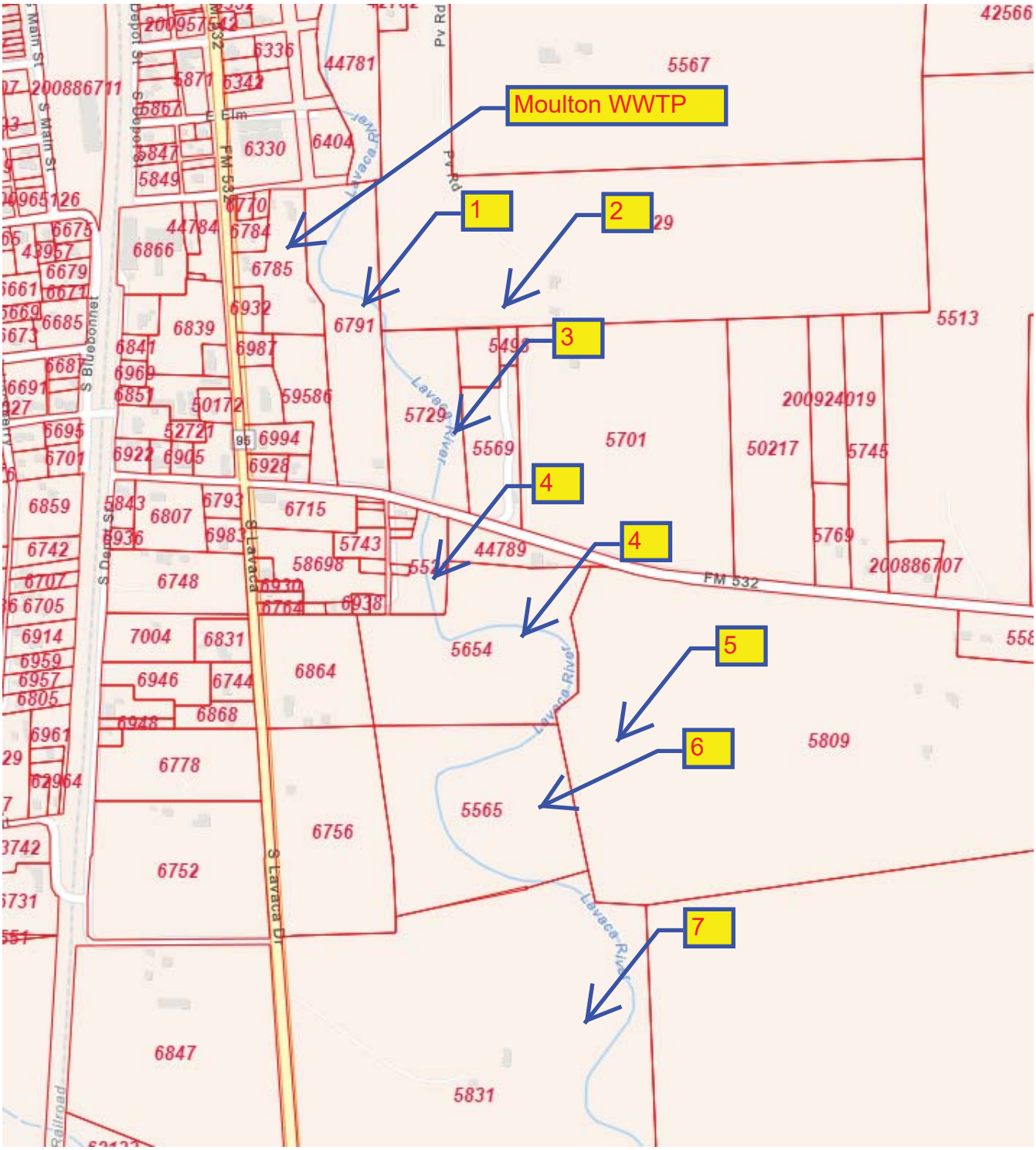
4.) Alvin C. Kocian Life Estate
P.O. Box 158
Moulton, TX 77975

5.) Eugene Alfred Schoenvogel
17 County Road 95 CCC
Moulton, TX 77975

6.) Jimmy Douglas Bryan
523 S. Lavaca
Moulton, TX 77975

7.) Victor C. Mach Jr.
12019 Westover Dr.
Cypress, TX 77429

Landowners Map



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

MOULTON QUADRANGLE
TEXAS
7.5-MINUTE SERIES

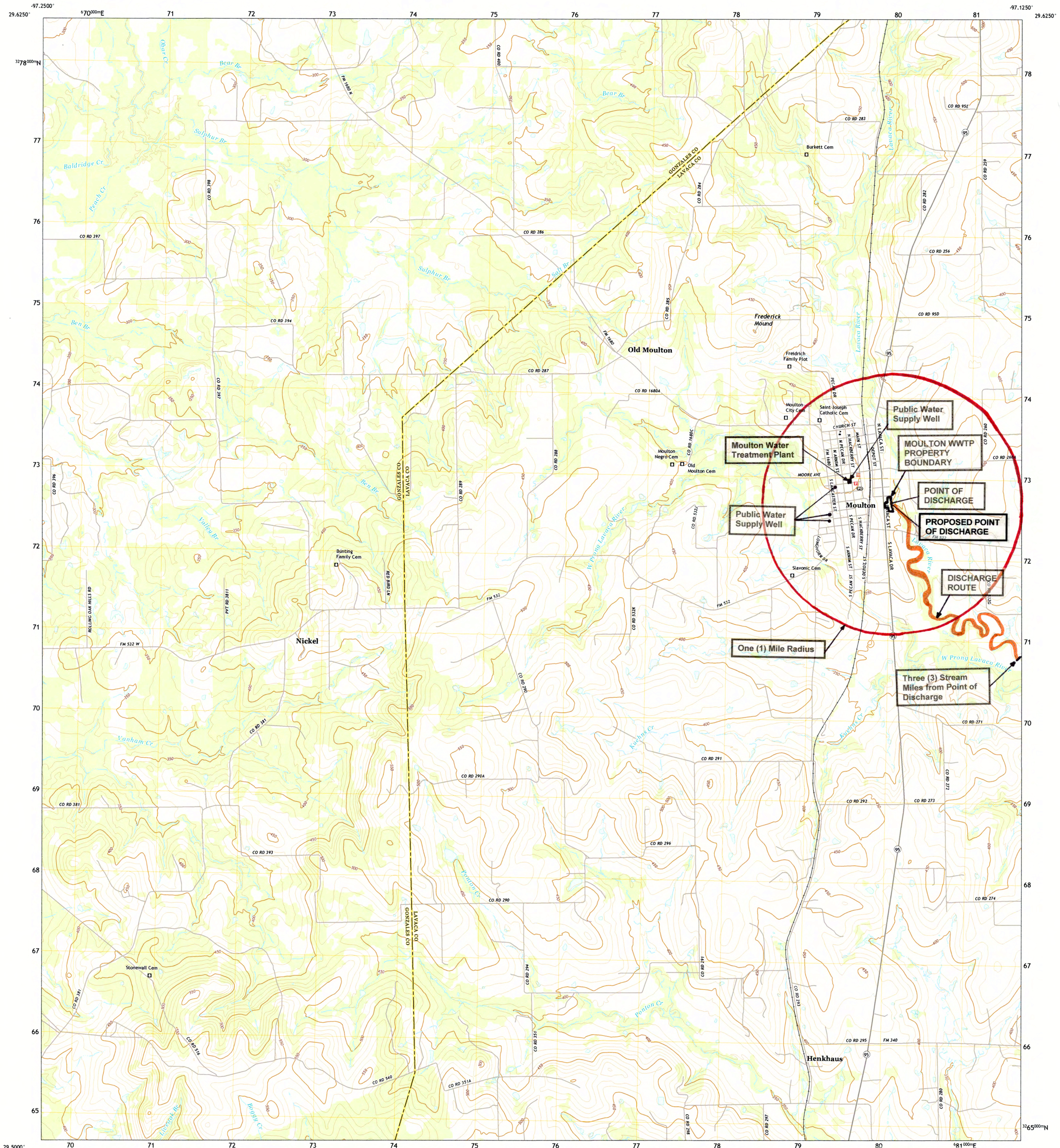


EXHIBIT A-1
USGS TOPOGRAPHICAL MAP
MOULTON, TX

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2003 - 2018
Contours.....National Elevation Dataset, 2021
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
3°25'
61 MILS
0°54'
16 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PT
Grid Zone Designation
14R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

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.

TEXAS
QUADRANGLE LOCATION

1 Waelder
2 Flatonia NW
3 Flatonia
4 Dilworth
5 Komensky
6 Hamon
7 Shiner
8 Wied
ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

MOULTON, TX
2022

NSN 7643018397331
NGA REF NO.USGSX24K30414

Candice Calhoun

From: Brian Wik, PE <BWik@dccm.com>
Sent: Monday, December 30, 2024 7:51 PM
To: Erwin Madrid; Candice Calhoun
Cc: LuAnn Rogers; Mark A. Maroney PE
Subject: RE: Application for Permit No. WQ0010227001 – Notice of Deficiency 30-Day Will Return Letter
Attachments: WQ0010227001_Will Return Ltr.pdf; Admin Review Response Letter 12.30.24.pdf; Landowners List 12.30.24.pdf; Landowners Map 12.30.24.pdf; Landowner Mailing Addresses - Mailing Label Format DEC2024.docx

Permit No. WQ0010227001
City of Moulton, TX

Dear Erwin, Candice,
In response to the attached Notice of Deficiency Letter, please find attached a cover letter with responses, Revised Landowners List, Revised Landowners Maps, and Revised Mailing Labels.

Please note that three sets of the attached items have been mailed.
Thank You,
Brian

Brian Wik, PE
Project Engineer

Urban | DCCM
361-339-2085 p 361-288-0152 c

Please note that our e-mail addresses have changed.

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Monday, December 02, 2024 11:55 AM
To: citysec@cityofmoulton.com
Cc: Brian Wik, PE <BWik@dccm.com>; Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Subject: Application for Permit No. WQ0010227001 – Notice of Deficiency 30-Day Will Return Letter
Importance: High

Dear applicant,

Candice Calhoun

From: Brian Wik, PE <BWik@dccm.com>
Sent: Tuesday, December 31, 2024 4:25 PM
To: Candice Calhoun
Cc: LuAnn Rogers; Mark A. Maroney PE; Erwin Madrid
Subject: RE: Application for Permit No. WQ0010227001 – Notice of Deficiency 30-Day Will Return Letter
Attachments: Landowners Map 12.31.24.pdf; Admin. Report 12of17 12.31.24.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Permit No. WQ0010227001
City of Moulton, TX

Good Afternoon Candice,
In response to the below email, please see the below responses with red text.

1. Landowner Map – everything added looks good; however, the discharge point was not shown on the map. Please provide an updated map to include the discharge point.
   Urban DCCM Response: Please find attached a revised Landowners Map that shows the existing effluent discharge point and the proposed effluent discharge point.

2. Item E of the Administrative Report 1.1 – I did not see an updated Admin Report 1.1 in your responses. If you could please provide an updated page one of the administrative report 1.1 to provide an answer for item E. Below is a snip-it of the question that was missing an answer.
   Urban DCCM Response: Please find attached Page 1 of the Administrative Report 1.1 with Item E answered. Please note that the attached Administrative Report page was downloaded today from the TCEQ website. It appears that the most current Administrative Report Form available on the website has a revision date of 01/09/24.

Thank You,
Brian

Brian Wik, PE
Project Engineer

Urban | DCCM
361-339-2085 p 361-288-0152 c

Please note that our e-mail addresses have changed.

Erwin Madrid

From: Erwin Madrid
Sent: Monday, December 2, 2024 11:55 AM
To: citysec@cityofmoulton.com
Cc: bwik@dccm.com; Candice Calhoun
Subject: Application for Permit No. WQ0010227001 – Notice of Deficiency 30-Day Will Return Letter
Attachments: WQ0010227001_Will Return Ltr.pdf

Importance: High

Dear applicant,

The attached Notice of Deficiency 30-Day Will Return Letter was mailed on **December 2, 2024,** requesting additional information needed to declare the application administratively complete. Please mail an original and two copies (with a cover letter) of the complete response by **January 1, 2025.**

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☒ The applicant's property boundaries
- ☐ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. Indicate by a check mark in which format the landowners list is submitted:

☐ USB Drive ☒ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Lavaca County Appraisal

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☒ No

William R. Morales-Tinajero
502 N. Main St.
Moulton, TX 77975

William R. Morales-Tinajero
502 N. Main St.
Moulton, TX 77975

William R. Morales-Tinajero
502 N. Main St.
Moulton, TX 77975

M. C. Boedeker Real Estate, Ltd.
P. O. Box 1580
Shiner, TX 77984-1580

M. C. Boedeker Real Estate, Ltd.
P. O. Box 1580
Shiner, TX 77984-1580

M. C. Boedeker Real Estate, Ltd.
P. O. Box 1580
Shiner, TX 77984-1580

Gayle Audrey Culak
22 Ryddington Place
Dallas, TX 75230-1972

Gayle Audrey Culak
22 Ryddington Place
Dallas, TX 75230-1972

Gayle Audrey Culak
22 Ryddington Place
Dallas, TX 75230-1972

James Timothy Few
P. O. Box 400
Moulton, TX 77975-0400

James Timothy Few
P. O. Box 400
Moulton, TX 77975-0400

James Timothy Few
P. O. Box 400
Moulton, TX 77975-0400

Crystal & Jason Schendel
403 S. Lavaca Dr.
Moulton, TX 77975

Crystal & Jason Schendel
403 S. Lavaca Dr.
Moulton, TX 77975

Crystal & Jason Schendel
403 S. Lavaca Dr.
Moulton, TX 77975

Bradley Thomas Barron
P. O. Box 275
Moulton, TX 77975

Bradley Thomas Barron
P. O. Box 275
Moulton, TX 77975

Bradley Thomas Barron
P. O. Box 275
Moulton, TX 77975

Cheryl Lee Welfl
1822 Debeney Drive
Houston, TX 77039

Cheryl Lee Welfl
1822 Debeney Drive
Houston, TX 77039

Cheryl Lee Welfl
1822 Debeney Drive
Houston, TX 77039

Alberto F. Tinajero
410 S. Lavaca St.
Moulton, TX 77975-4852

Alberto F. Tinajero
410 S. Lavaca St.
Moulton, TX 77975-4852

Alberto F. Tinajero
410 S. Lavaca St.
Moulton, TX 77975-4852

Mitchell David Bennett
411 S. Lavaca St.
Moulton, TX 77975

Mitchell David Bennett
411 S. Lavaca St.
Moulton, TX 77975

Mitchell David Bennett
411 S. Lavaca St.
Moulton, TX 77975

Darryl Tyrone Mathis
P. O. Box 257
Shiner, TX 77984-0257

Darryl Tyrone Mathis
P. O. Box 257
Shiner, TX 77984-0257

Darryl Tyrone Mathis
P. O. Box 257
Shiner, TX 77984-0257

Alvin C. Kocian Life Estate
P.O. Box 158
Moulton, TX 77975-0158

Alvin C. Kocian Life Estate
P.O. Box 158
Moulton, TX 77975-0158

Alvin C. Kocian Life Estate
P.O. Box 158
Moulton, TX 77975-0158

Eugene Alfred Schoenvogel
17 County Road 95 CCC
Moulton, TX 77975

Eugene Alfred Schoenvogel
17 County Road 95 CCC
Moulton, TX 77975

Eugene Alfred Schoenvogel
17 County Road 95 CCC
Moulton, TX 77975

Jimmy Douglas Bryan
523 S. Lavaca St.
Moulton, TX 77975-4719

Jimmy Douglas Bryan
523 S. Lavaca St.
Moulton, TX 77975-4719

Jimmy Douglas Bryan
523 S. Lavaca St.
Moulton, TX 77975-4719

Victor C. Mach Jr.
12019 Westover Dr.
Cypress, TX 77429

Victor C. Mach Jr.
12019 Westover Dr.
Cypress, TX 77429

Victor C. Mach Jr.
12019 Westover Dr.
Cypress, TX 77429

Dennis James Wagner
1000 Laura Lane
Columbus, TX 78934-5009

Dennis James Wagner
1000 Laura Lane
Columbus, TX 78934-5009

Dennis James Wagner
1000 Laura Lane
Columbus, TX 78934-5009

Wayne J. Armand
5006 Ave. O
Santa Fe, TX 77510

Wayne J. Armand
5006 Ave. O
Santa Fe, TX 77510

Wayne J. Armand
5006 Ave. O
Santa Fe, TX 77510

Permit No. WQ0010227001 - Moulton WWTP
Landowners List for Three Miles Downstream of Discharge
Page 1 of 2

1.) William R. Morales-Tinajero
502 N. Main St.
Moulton, TX 77975

2.) M. C. Boedeker Real Estate, Ltd.
P. O. Box 1580
Shiner, TX 77984-1580

3.) Gayle Audrey Culak
22 Ryddington Place
Dallas, TX 75230-1972

4.) James Timothy Few
P. O. Box 400
Moulton, TX 77975-0400

5.) Crystal & Jason Schendel
403 S. Lavaca Dr.
Moulton, TX 77975

6.) Bradley Thomas Barron
P. O. Box 275
Moulton, TX 77975

7.) Cheryl Lee Welfl
1822 Debeney Drive
Houston, TX 77039

8.) Alberto F. Tinajero
410 S. Lavaca St.
Moulton, TX 77975-4852

9.) Mitchell David Bennett
411 S. Lavaca St.
Moulton, TX 77975

Permit No. WQ0010227001 - Moulton WWTP
Landowners List for Three Miles Downstream of Discharge
Page 2 of 2

10.) Darryl Tyrone Mathis
P. O. Box 257
Shiner, TX 77984-0257

11.) Alvin C. Kocian Life Estate
P.O. Box 158
Moulton, TX 77975-0158

12.) Eugene Alfred Schoenvogel
17 County Road 95 CCC
Moulton, TX 77975

13.) Jimmy Douglas Bryan
523 S. Lavaca St.
Moulton, TX 77975-4719

14.) Victor C. Mach Jr.
12019 Westover Dr.
Cypress, TX 77429

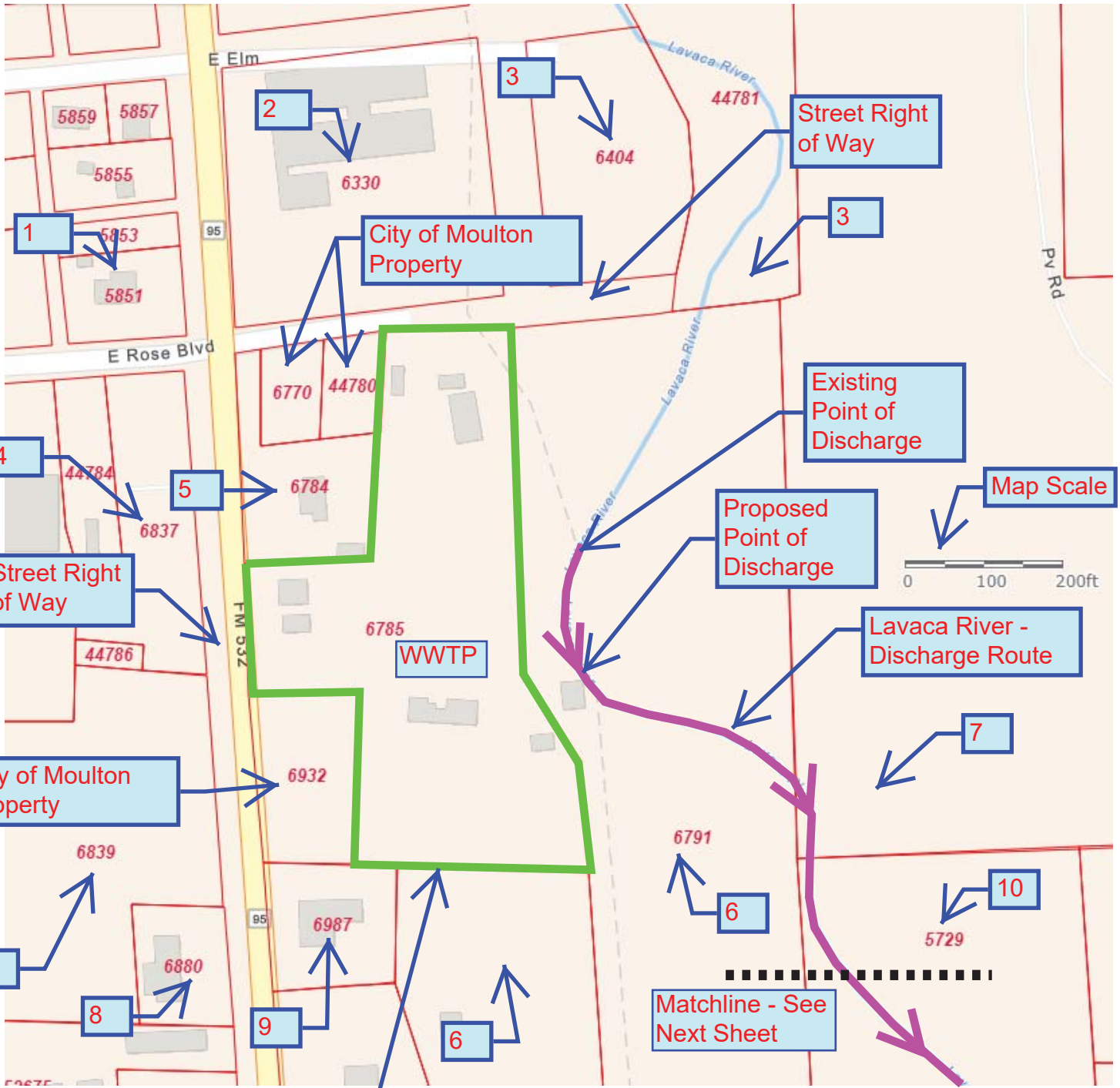
15.) Dennis James Wagner
1000 Laura Lane
Columbus, TX 78934-5009

16.) Wayne J. Armand
5006 Ave. O
Santa Fe, TX 77510

The numbers shown below, inside of the blue box with leader, correspond with the numbers on the attached Landowners List.

NORTH

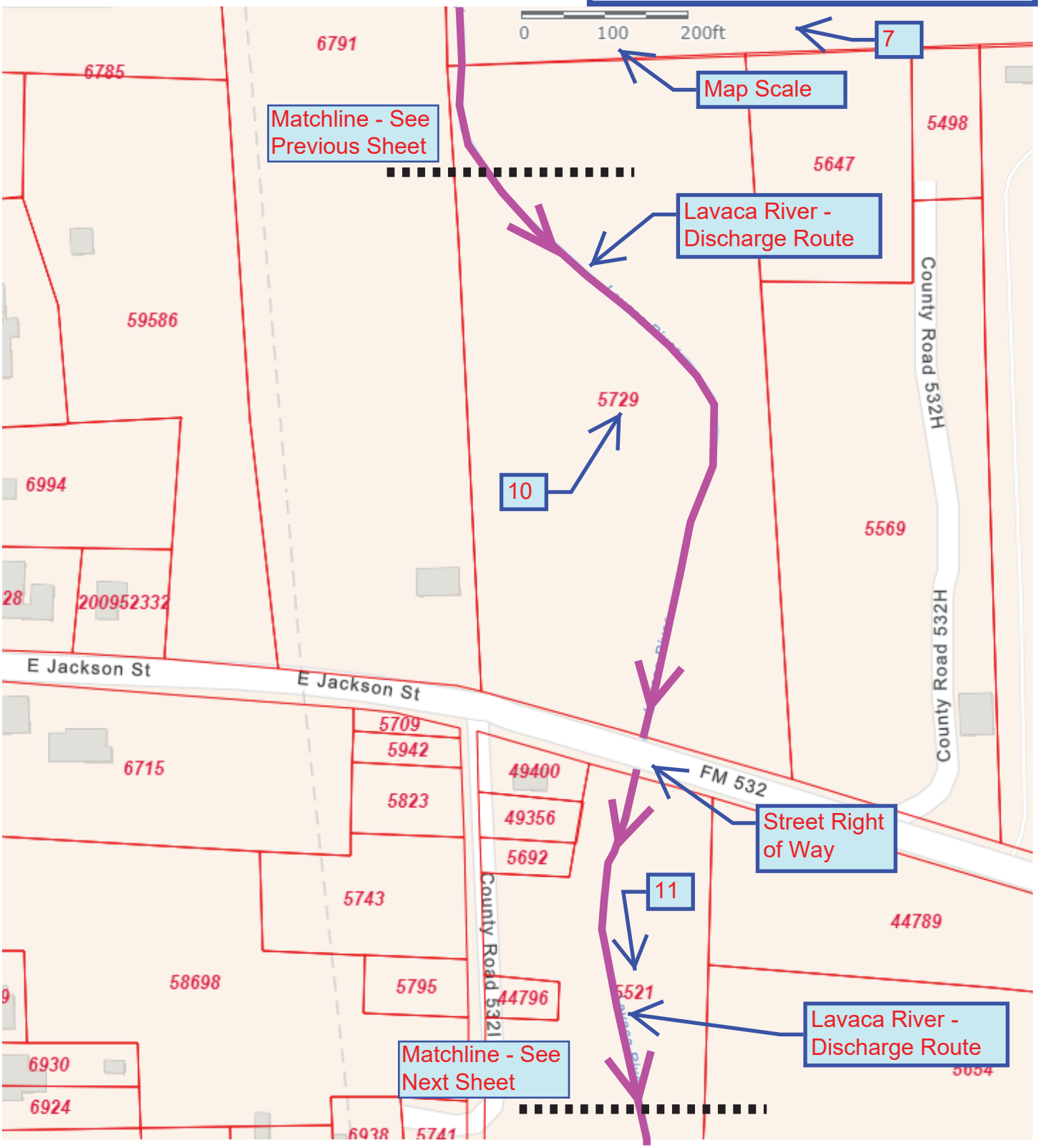
Permit No. WQ0010227001
Moulton, TX
Landowners Map
Page 1 of 3
Map source and property information are from Lavaca County Appraisal District.



The numbers shown below, inside of the blue box with leader, correspond with the numbers on the attached Landowners List.

NORTH

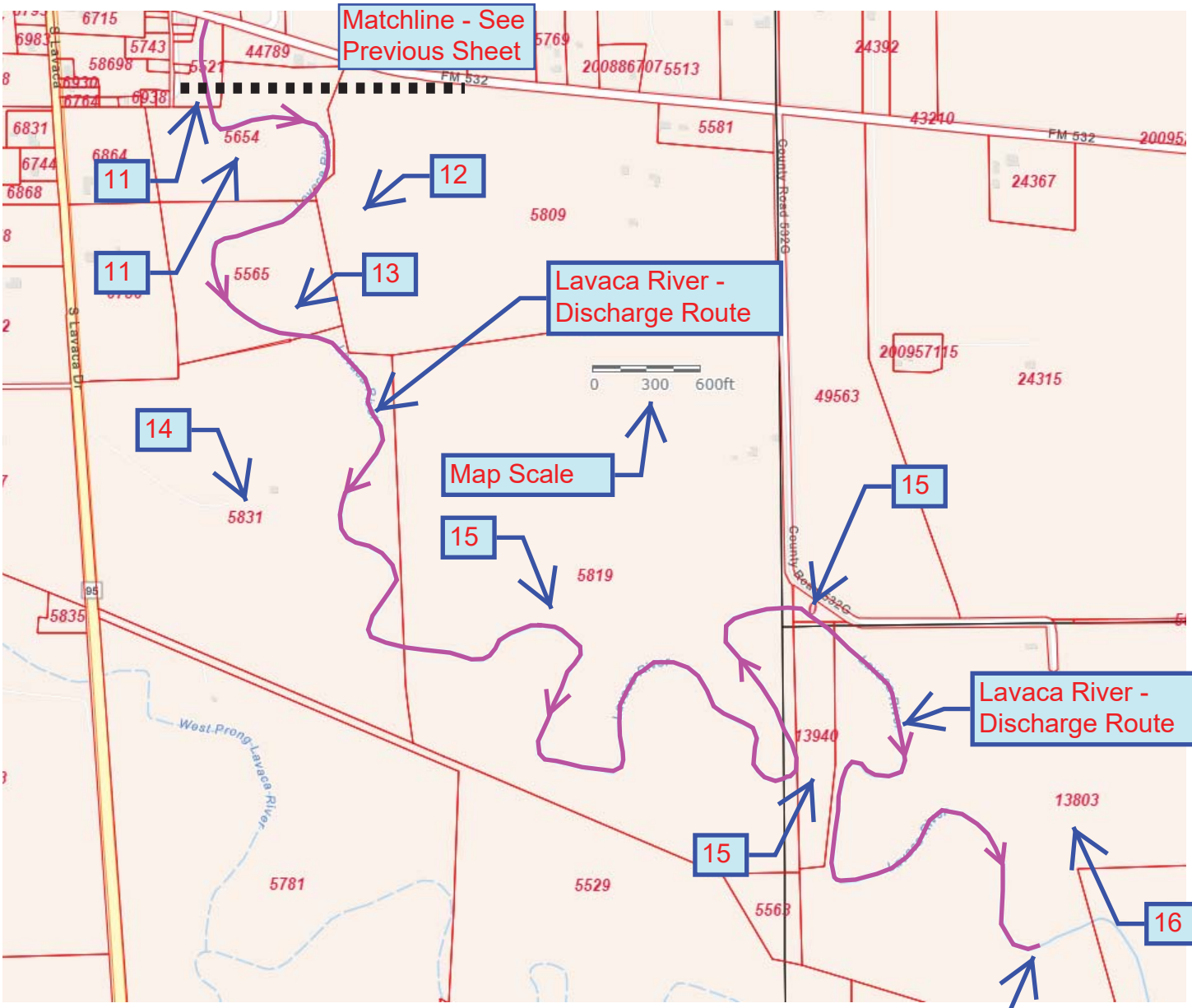
Permit No. WQ0010227001
Moulton, TX
Landowners Map
Page 2 of 3
Map source and property information are from Lavaca County Appraisal District.



The numbers shown below, inside of the blue box with leader, correspond with the numbers on the attached Landowners List.

NORTH

Permit No. WQ0010227001
Moulton, TX
Landowners Map
Page 3 of 3
Map source and property information are from Lavaca County Appraisal District.



Location on the Lavaca River that is three (3) stream miles from point of effluent discharge.

Candice Calhoun

From: Brian Wik, PE <BWik@dccm.com>
Sent: Tuesday, November 26, 2024 10:44 PM
To: Candice Calhoun; citysec@cityofmoulton.com
Cc: Mark A. Maroney PE
Subject: RE: Application to Amend Permit No. WQ0010227001 - Notice of Deficiency (NOD)
Attachments: wq0010227001-nod1.pdf; Admin Review Response Letter 11.26.24.pdf; Item 3 - Revised 11.26.24 Public Involvement Plan.pdf; Item 4 - Revised 11.25.24 Section 10 Item C.pdf; Item 5 - Landowner Mailing Addresses - Mailing Label Format.docx; Item 5 - Revised 11.25.24 Admin. Report 1.1.pdf; Item 5 - Revised 11.25.24 Landowners List.pdf; Item 5 - Revised 11.26.24 Landowners Map.pdf; Item 6 - Revised 11.26.24 Technical Report Sheet 1 of 66.pdf

Application to Amend Permit No. WQ0010227001
Moulton WWTP

Good Afternoon Candice,
In response to the below email please see the attached Response Letter. Please note that there are nine (9) documents total that are attached.
Thanks
Brian

Brian Wik, PE
Project Engineer

Urban | DCCM
361-339-2085 p 361-288-0152 c

Please note that our e-mail addresses have changed.

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, November 12, 2024 12:46 PM
To: citysec@cityofmoulton.com
Cc: Brian Wik, PE <BWik@dccm.com>
Subject: Application to Amend Permit No. WQ0010227001 - Notice of Deficiency (NOD)
Importance: High

Good afternoon, Ms. Rogers,

November 26, 2024

Ms. Candice Courville
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality

Subject: Application to Amend Permit No. WQ0010227001 (EPA I.D. No. TX0053287)
City of Moulton (CN600631766)
City of Moulton WWTP (RN102916129)

Dear Ms. Courville:

Please find below responses to the TCEQ Administrative Review Comments. Please note that updated documents have been attached to the Urban DCCM email dated 11/26/2024.

- Item 1 – One original and two paper copies of the application were sent by mail.
- Item 2 – The application review fee of $850 was sent by mail.
- Item 3 – Requested change was made. Please see updated Public Involvement Plan attached to the 11/26/24 Urban DCCM email.
- Item 4 – Requested change was made. Please see updated Administrative Report Section 10 Item C attached to the 11/26/224 Urban DCCM email.
- Item 5 – Requested changes were made. Please see the updated Administrative Report 1.1, Landowner Map, Landowners List, and Mailing Labels attached to the 11/26/24 Urban DCCM email.
- Item 6 – Change was made. Please see the updated Technical Report 1.0 Sheet 1 of 66 showing only the Final Phase Design Flow attached to the 11/26/24 Urban DCCM email.
- Item 7 – The NORI was reviewed and we have no comments.

Sincerely,
URBAN DCCM

Brian Wik

Brian Wik, P.E.

BDW/
Enclosures

December 30, 2024

Ms. Candice Courville
Texas Commission on Environmental Quality
Applications Review and Processing Team (MC148)
Water Quality Division

Subject: Application to Amend Permit No. WQ0010227001 (EPA I.D. No. TX0053287)
City of Moulton (CN600631766)
City of Moulton WWTP (RN102916129)

Dear Ms. Courville:

In response to the attached letter from Erwin Madrid, please find attached the following:

1. Updated Landowners List (two pages) – This list corresponds with the numbering on the Landowners Map.

2. Updated Landowners Map (three pages) – The map shows properties that are adjacent to the WWTP site and properties adjacent to the Lavaca River for three miles downstream from point of effluent discharge.

3. Printed Mailing Labels (two pages) – Mailing labels with addresses from the Landowners List.

Please note that three sets of the above items have been mailed.

Sincerely,
URBAN DCCM

Brian Wik

Brian Wik, P.E.

BDW/
Enclosures

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.

The Public Involvement Plan is not necessary since only one of the the three boxes were checked.

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)

E. Owner of effluent disposal site:

Prefix: Last Name, First Name:

Title: Credential:

Organization Name:

Mailing Address: City, State, Zip Code:

Phone No.: E-mail Address:

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment:

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant)::

Prefix: Last Name, First Name:

Title: Credential:

Organization Name:

Mailing Address: City, State, Zip Code:

Phone No.: E-mail Address:

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment:

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☒ Yes ☐ No

If **no**, **or a new permit application**, please give an accurate description:

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☒ Yes ☐ No

If **no**, **or a new or amendment permit application**, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

City nearest the outfall(s): Moulton, TX

County in which the outfalls(s) is/are located: Lavaca

C. 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:

D. 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

Section 11. TLAP Disposal Information (Instructions Page 32)

A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

B. City nearest the disposal site:

C. County in which the disposal site is located:

D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

Section 12. Miscellaneous Information (Instructions Page 32)

A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

Section 1. Permitted or Proposed Flows (Instructions Page 43)

A. Existing/Interim I Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

B. Interim II Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

C. Final Phase

Design Flow (MGD): 0.121

2-Hr Peak Flow (MGD): 0.363

Estimated construction start date:

Estimated waste disposal start date:

D. Current Operating Phase

Provide the startup date of the facility: February 23, 2001

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and