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

Plain Language Summary

DOMESTIC WASTEWATER

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 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

City of Uvalde (CN600648455) operates City of Uvalde Wastewater Treatment Plant (RN103119087), a domestic wastewater facility. The facility is located at approximately 3 miles southwest of the intersection of FM 117 and US83 Uvalde County, Texas, in Uvalde, Uvalde County, Texas 78802. The application is a renewal to discharge a total of 2.44 MGD of treated domestic wastewater to Cooks Slough and the Leona River.

Discharges from the facility are expected to contain $CBOB_5$, Total Suspended Solids, Ammonia Nitrogen, Nitrate Nitrogen, and E.coli freshwater. Domestic wastewater is treated by transference through a Lift Station, Carousel Aeration Basin, Dual Final Clarifiers, Chlorine Contact Chamber, and Dechlorination in ponds.

AGUAS RESIDUALES DOMESTICAS

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

City of Uvalde (CN600648455) opera Planta de tratamiento de aguas residuales de la ciudad de Uvalde (RN103119087), un instalación de aguas residuales domésticas. La instalación está ubicada en aproximadamente 3 millas al suroeste de la intersección de FM 117 y US83 en el condado de Uvalde, Texas, en Uvalde, Condado de Uvalde, Texas 78802. La solicitud es una renovación para descargar un total de 2.44 MGD de aguas residuales domésticas tratadas en Cooks Slough y el río Leona..

Se espera que las descargas de la instalación contengan CBOB5, sólidos suspendidos totales, nitrógeno amoniacal, nitrógeno nitrato y agua dulce por E. coli. Aguas residuales domésticas. está tratado por transferencia a través de una estación de bombeo, cuenca de aireación de carrusel, clarificadores finales duales, cámara de contacto de cloro y decloración en estanques.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010306001

APPLICATION. City of Uvalde, P.O. Box 799, Uvalde, Texas 78802, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010306001 (EPA I.D. No. TX0023094) to authorize the discharge of treated wastewater at a volume not to exceed a combined annual average flow of 2,440,000 gallons per day. The domestic wastewater treatment facility is located approximately 1.3 miles southwest of the intersection of Farm-to-Market Road 117 and US Highway 83, near the city of Uvalde, in Uvalde County, Texas 78802. The discharge route is from the plant site ia Outfall 001 to a series of ponds; thence to Crooks Slough; thence to Leona River; via Outfall 002 directly to Leona River, and via Outfall 003 to Crooks Slough; thence to Leona River. TCEQ received this application on March 17, 2025. The permit application will be available for viewing and copying at Uvalde City Hall, City Manager Office, 101 East Main Street, Uvalde, in Uvalde County, Texas and 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=-99.788611,29.188055&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.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

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 Uvalde at the address stated above or by calling Ms. LeeAnn Ortiz, Public Works Coordinator, at 830-275-9665.

Issuance Date: April 24, 2025

Kenneth M. Cave & Associates
Consulting Environmental Scientists

February 27, 2025

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

Reference: Application Submittal
Renewal Application for City of Uvalde
WQ0010306-001

Dear Sir or Madam:

Enclosed please find one original and three copies of the referenced application. The permit renewal does not involve any changes to the existing facilities. Also, the application fee has been sent separately.

If you have any questions, please feel free to call anytime.

Sincerely,
Kenneth M. Cave & Associates

Kenneth M. Cave
Senior Scientist

Enclosures (4)

Copy: City of Crystal City

RECEIVED
MAR 04 2025
Water Quality Applications Team

P.O. Box 768 Leakey, TX-------Phone (210) 414-3906---kencave77@gmail.com

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application. ORIGINAL

APPLICANT NAME: City of Uvalde

PERMIT NUMBER (If new, leave blank): WQ00 10306-001

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	☐	☒			

RECEIVED
MAR 04 2025
Water Quality Applications Team

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: 150534

Check/Money Order Amount: $2,015.00

Name Printed on Check: City of Uvalde

EPAY — Voucher Number: Click to enter text.

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

e. For amendments or modifications, describe the proposed changes: Click to enter text.

f. For existing permits:

Permit Number: WQ00 10306-001

EPA I.D. (TPDES only): TX 0023094

Expiration Date: Click to enter text.

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 Uvalde

(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: 600648455

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: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

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?

Click to enter text.

(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: Click to enter text.

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: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

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. Click to enter text.

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: Mr. Last Name, First Name: Cave, Kenneth M.

Title: Consultant Credential: Senior Scientist

Organization Name: Kennth M. Cave & Associates

Mailing Address: P.O. Box 768 City, State, Zip Code: Leakey, Texas, 78873-0768

Phone No.: 210-414-3906 E-mail Address: kencave77@gmail.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text. E-mail Address: Click to enter text.

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: Zamora, Juan

Title: Director of Public Works Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas, 78802-0799

Phone No.: 830-275-1785 E-mail Address: zamora@uvaldetx.gov

B. Prefix: Ms. Last Name, First Name: Ortiz, LeeAnn

Title: Public Works Coordinator Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas, 78802-0799

Phone No.: 830-275-9665 E-mail Address: lmortiz@uvaldetx.gov

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: Ortiz, LeeAnn

Title: Public Works Coordinator Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas,78802-0799

Phone No.: 830-275-9665 E-mail Address: lmortiz@uvaldetx.gov

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: Ms. Last Name, First Name: Ortiz, LeeAnn

Title: Public Works Coordinator Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas, 78802-0799

Phone No.: 830-275-9665 E-mail Address: lmortiz@uvaldetx.gov

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Oritz, LeeAnn

Title: Public Works Coordinator Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas, 78802-0799

Phone No.: 830-275-9665 E-mail Address: lmortiz@uvaldetx.gov

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: Ortiz, LeeAnn

Title: Public Works Coordinator Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas, 78802-0799

Phone No.: 830-275-9665 E-mail Address: lmortiz@uvaldetx.gov

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: Uvalde City Hall

Location within the building: City Manager's Office

Physical Address of Building: 101 East Main

City: Uvalde County: Uvalde

Contact (Last Name, First Name): Vince DiPiazza

Phone No.: 830-278-3315 Ext.: Click to enter text.

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? Click to enter text.

F. Plain Language Summary Template

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

Attachment: Click to enter text.

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: Click to enter text.

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 103119087

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 Uvalde

C. Owner of treatment facility: City of Uvalde

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

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

Prefix: Click to enter text. Last Name, First Name: City of Uvalde

Title: Click to enter text. Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas, 78802-0799

Phone No.: 830-278-3315 E-mail Address: Click to enter text.

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: Click to enter text.

E. Owner of effluent disposal site:

Prefix: Click to enter text. Last Name, First Name: City of Uvalde

Title: Click to enter text. Credential: Click to enter text.

Organization Name: City of Uvalde

Mailing Address: P.O. Box 799 City, State, Zip Code: Uvalde, Texas, 78802-0799

Phone No.: 830-278-3315 E-mail Address: Click to enter text.

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: Click to enter text.

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

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text. E-mail Address: Click to enter text.

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: Click to enter text.

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:

Click to enter text.

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:

Click to enter text.

City nearest the outfall(s): Uvalde

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

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: Click to enter text.

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:

N/A

B. City nearest the disposal site: Click to enter text.

C. County in which the disposal site is located: Click to enter text.

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

Click to enter text.

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

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.

Click to enter text.

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: Click to enter text.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

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: Click to enter text.

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010306-001

Applicant: City of Uvalde

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): Hector R. Luevano

Signatory title: Mayor

Signature: _____ Date: 01-14-2025

(Use blue ink)

Subscribed and Sworn to before me by the said Hector R. Luevano

on this 14 day of January, 2025.

My commission expires on the _____ day of _____, 20_____.

_____
Notary Public

SORAYDA ARELLANO SANCHEZ
Notary Public, State of Texas
Comm. Expires 09-23-2025
Notary ID 129559002

[SEAL]

Uvalde
County, Texas

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:** 10306-001

1. Check or Money Order Number: 150534
2. Check or Money Order Amount: $2,015.00
3. Date of Check or Money Order: 01/17/2025
4. Name on Check or Money Order: City of Uvalde
5. APPLICATION INFORMATION

   Name of Project or Site: City of Uvalde Wastewater Treatment Plant

   Physical Address of Project or Site: Approximately 1.3 miles southwest of the intersection of FM 117 and US 83 Uvalde County, Texas

   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

List of Attachments

Attachment A - Core Data Form

Attachment B - Site Layout with Boundaries

Attachment C - Flow Diagram

Attachment D - Outfall Locations

Attachment E - Sampling and Flow Routing

Administrative Report Map - USGS 7 1/2 Minute Uvalde Quadrangle

SPIF Map - USGS 7 1/2 Minute Uvalde Quadrangle

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 600648455		RN 103119087

SECTION II: Customer Information

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

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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 Uvalde

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
	17460024189	74-6002418	

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 ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address:

P.O. Box 799

City	Uvalde	State	TX	ZIP	78802	ZIP + 4	0799

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	zamora@uvaldetx.gov

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(830) 275-1785		(830) 278-2234

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 Uvalde Wastewater Treatment Plant

23. Street Address of the Regulated Entity: *(No PO Boxes)*							
	City		**State**		**ZIP**		**ZIP + 4**	
24. County							

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

25. Description to Physical Location:	Approximately 3 miles southwest of the intersection of FM 117 and US83 Uvalde County, Texas

26. Nearest City	**State**	**Nearest ZIP Code**
Uvalde	TX	78802

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:	29.186533		**28. Longitude (W) In Decimal:**	-99.786944	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
29	11	11.5188	-99	47	12.9984

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		221320	

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

Municipal Wastewater Treatment Plant

34. Mailing Address:	**P.O. Box 799**							
	City	**Uvalde**	**State**	**TX**	**ZIP**	**78802**	**ZIP + 4**	**799**

35. E-Mail Address:	**zamora@uvaldetx.gov**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(830) 275-1785		**(830) 278-2234**

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
	TXRNEBF31			
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0010306-001			

SECTION IV: Preparer Information

40. Name:	Kenneth Cave	**41. Title:**	Senior Scientist

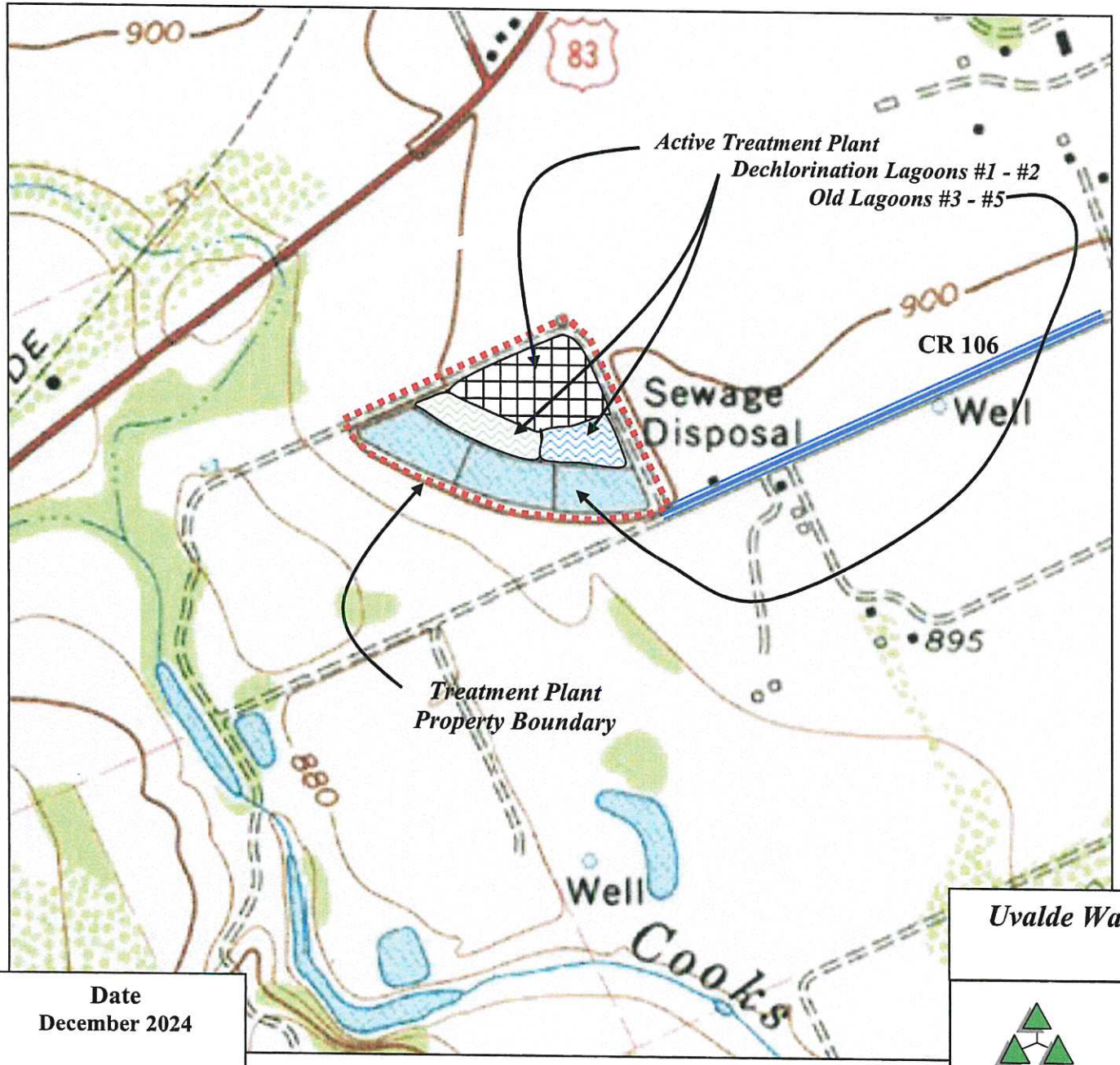
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(210) 414-3906		( ) -	kencave77@gmail.com

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:	Kennth M. Cave & Associates	**Job Title:**	Senior Scientist	
Name *(In Print):*	Kenneth Cave		**Phone:**	(210) 414- 3906
Signature:			**Date:** 2/14/25	2/14/25

Attachment "B"



N

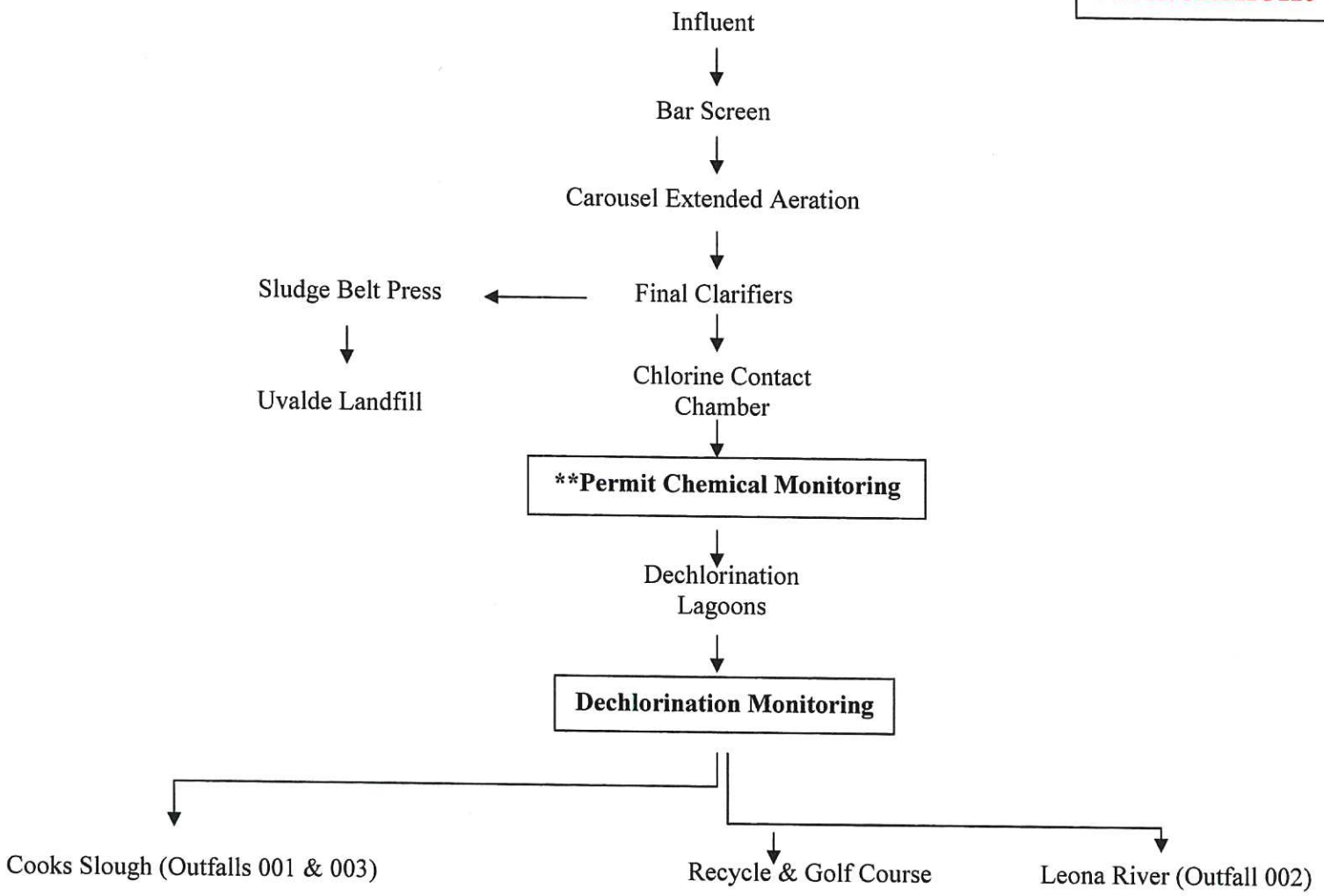
Approximate Scale = 1000'

Uvalde Wastewater Treatment Plant
Plant Boundaries

Date
December 2024

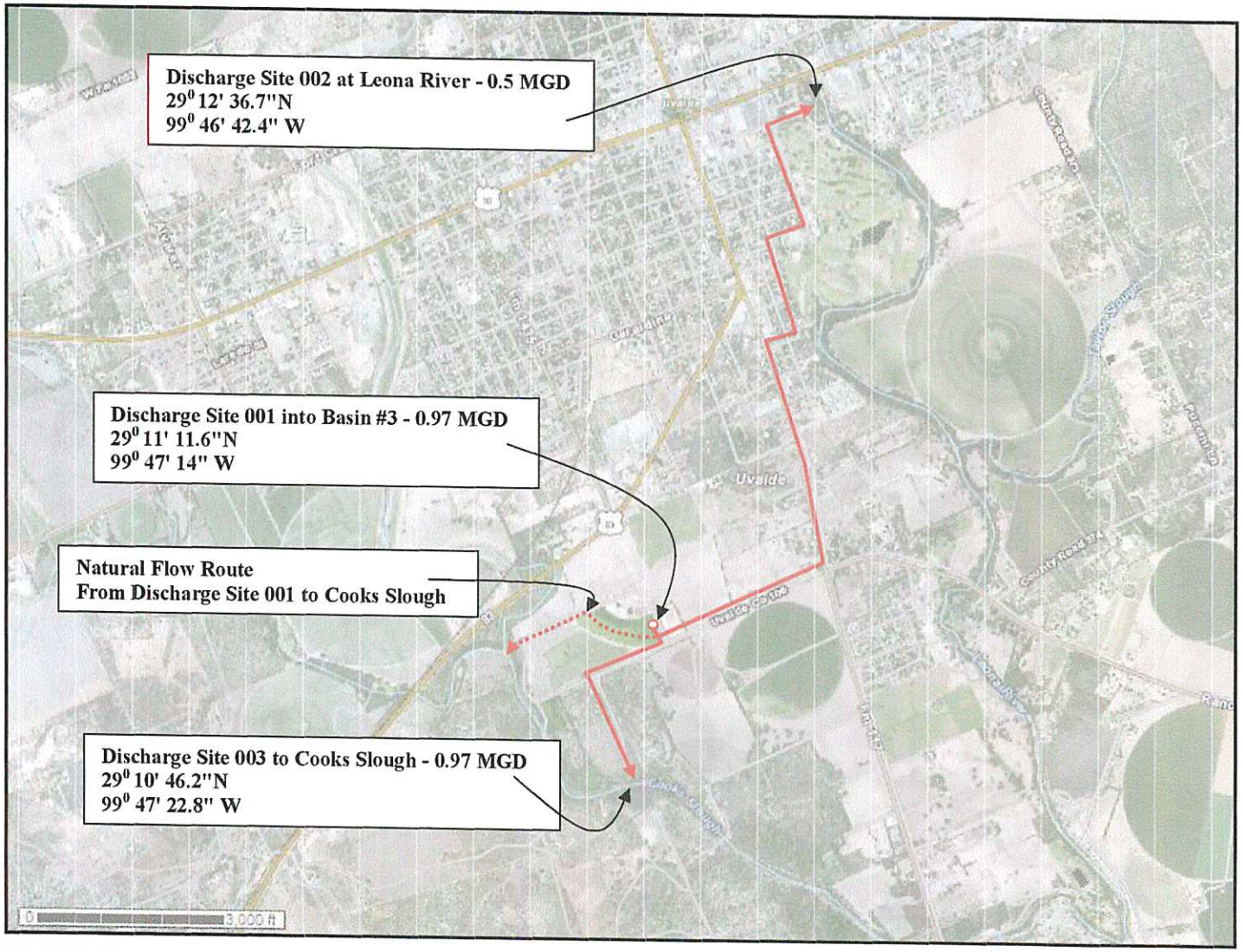
Kenneth M. Cave & Associates
P.O. Box 768 Leakey, TX 78873
210-414-3906

Attachment "C"



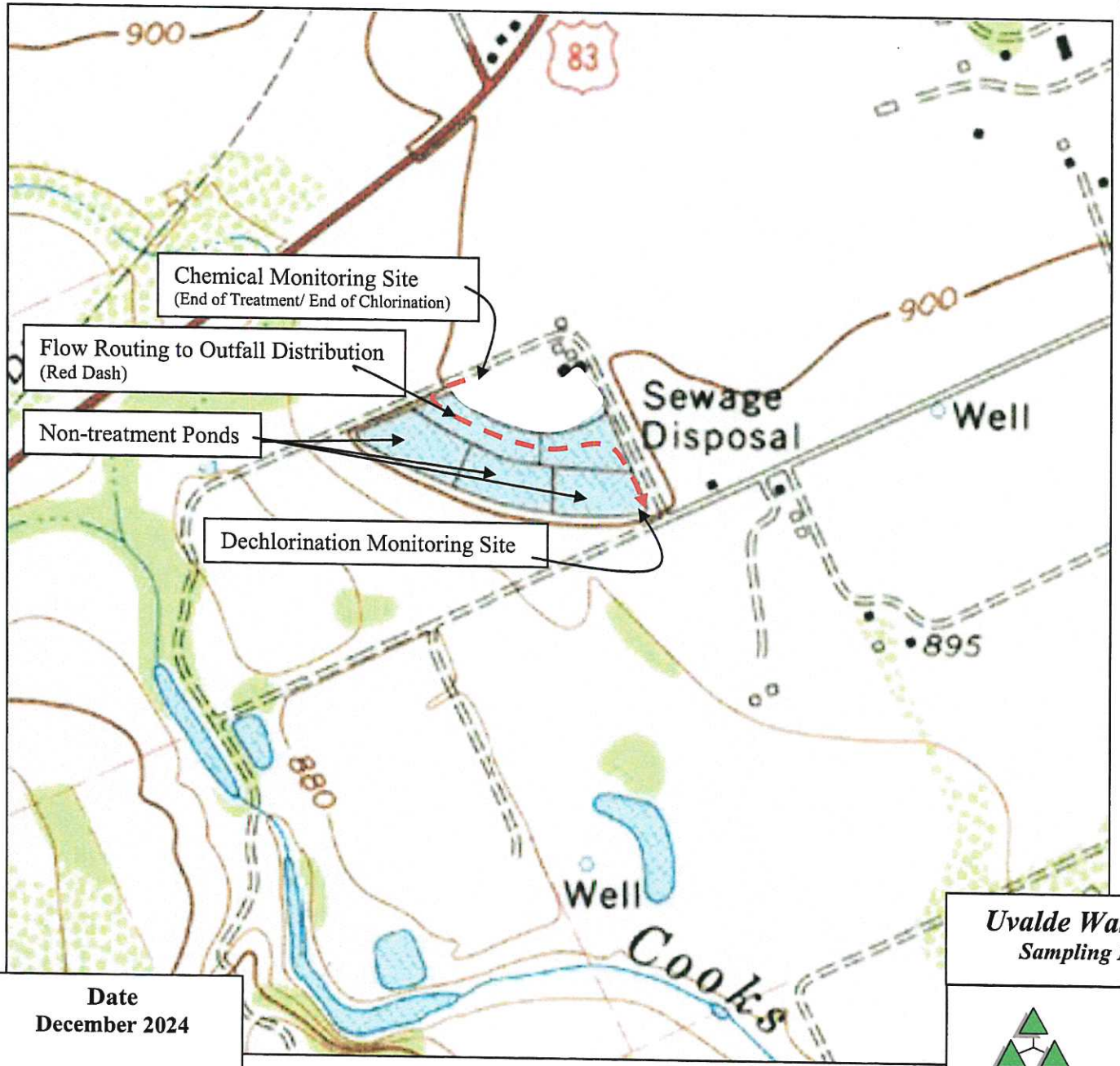
Date 12/29/2024	***Uvalde WWTP Flow Schematic*** *(With Compliance Monitoring Locations)*	*Kenneth M Cave & Associates* *P.O. Box 768 Leakey, TX 78873* *210-414-3906*

Attachment "D"



Date		
December 2024	*Uvalde Plant Outfall Locations*	*Kenneth M Cave & Associates* *P.O. Box 768 Leakey, TX 78873* *210-414-3906*

Attachment "E"



N

Approximate Scale = 1000'

Date
December 2024

Uvalde Wastewater Treatment Plant
Sampling Locations and Flow Routing

Kenneth M. Cave & Associates
P.O. Box 768 Leakey, TX 78873
210-414-3906

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 Uvalde

   Permit No. WQ00 10306-001 EPA ID No. TX 0023094

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

   Approximately 1.3 miles southwest of the intersection of FM 117 and US 83 Uvalde County, Texas

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

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

First and Last Name: Juan Zamora

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text

Title: Director of Public Works

Mailing Address: P.O. Box 799

City, State, Zip Code: Uvalde, Texas, 79902-0799

Phone No.: 830-275-1785 Ext.: Click here to enter text Fax No.: 830-278-2234

E-mail Address: zamora@uvaldetx.gov

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

Outfalls 001 and 003 to Cooks Slough thence to the Leona River (Segment 2109) in the Nueces River Basin Outfall 002 is to the Leona River (Segment 2109) in the Nueces 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:

Existing facility was developed for the purpose of wastewater treatment

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:

N/A

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

N/A

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): 2.44

2-Hr Peak Flow (MGD): 7.32

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

D. Current Operating Phase

Provide the startup date of the facility: 01/01/1987

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.**

Lift Station, Carousel Aeration Basin, Dual Final Clarifiers, Chlorine Contact Chamber, Dechlorination in ponds

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)
Carousel Aeration Basin	1	180' x 120' x 13'
Final Clarifier	2	102' x 13'
Chlorine Contact Chamber	2	60'L x 13'W x 11.5'D
Natural Dechlorination Ponds	2	Various Dimensions (5.5 MG Volume)
Belt Press Sludge Dewatering	1	

C. Process Flow Diagram

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

Attachment: B

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

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

- Latitude: 29.186533
- Longitude: -99.786944

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: Click to enter text.

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

City of Uvalde in Uvalde County, 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
City of Uvalde Collection System	City of Uvalde	**Publicly Owned**	
		Choose an item.	
		Choose an item.	
		Choose an item.	

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.**

Click to enter text.

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.

Click to enter text.

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: 01/01/1986

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.**

Click to enter text.

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.

Click to enter text.

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*.

Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

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 Click to enter text. or TXRNE Click to enter text.

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:

Click to enter text.

4. ***Existing coverage in individual permit***

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

X 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.

TXR05GF25 - Contaminated areas contained within concrete stuctures and routed through treatment system

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.

Click to enter text.

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.

Click to enter text.

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. Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

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					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l					

*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: Juan Zamora

Facility Operator's License Classification and Level: B

Facility Operator's License Number: 457-41-4480

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	On-Site Owner or Operator	Not Applicable	326.6	Class B: PSRP Aerobic Digestion	Option 11: Biosolids covered at end of each day
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: City of Uvalde

Hauler registration number: 24189

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: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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: Click to enter text.

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:

Click to enter text.

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: Click to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click to enter text.

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: Click to enter text.

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

Volume and frequency of sludge to the lagoon(s): Click to enter text.

Total dry tons stored in the lagoons(s) per 365-day period: Click to enter text.

Total dry tons stored in the lagoons(s) over the life of the unit: Click to enter text.

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.

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

  Attachment: Click to enter text.

- Copy of the closure plan

  Attachment: Click to enter text.

- Copy of deed recordation for the site

  Attachment: Click to enter text.

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

  Attachment: Click to enter text.

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

  Attachment: Click to enter text.

- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

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: Click to enter text.

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:

10606-001 Water Reuse 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: Click to enter text.

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: Kenneth Cave

Title: Environmental Scientist Consultant

Signature: _____

Date: 2/14/25

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: Click to enter text.

Distance and direction to the intake: Click to enter text.

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

Attachment: Click to enter text.

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: Click to enter text.

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).

Click to enter text.

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).

Click to enter text.

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: Click to enter text.

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet: Click to enter text.

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

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: Click to enter text.

C. Downstream perennial confluences

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

Click to enter text.

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.

Click to enter text.

E. Normal dry weather characteristics

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

Click to enter text.

Date and time of observation: Click to enter text.

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
☐ Urban runoff
☐ Upstream discharges
☐ Agricultural runoff
☐ Septic tanks
☐ Other(s), specify: Click to enter text.

B. Waterbody uses

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

☐ Livestock watering
☐ Contact recreation

- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☐ Other(s), specify: Click to enter text.

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: 10/22/2024 @ 0800

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<50		1	50
Aldrin	<0.01		1	0.01
Aluminum	16		1	2.5
Anthracene	<10		1	10
Antimony	<5		1	5
Arsenic	0.6		1	0.5
Barium	20		1	3
Benzene	<10		1	10
Benzidine	<50		1	50
Benzo(a)anthracene	<5		1	5
Benzo(a)pyrene	<5		1	5
Bis(2-chloroethyl)ether	<10		1	10
Bis(2-ethylhexyl)phthalate	<10		1	10
Bromodichloromethane	15		1	10
Bromoform	<10		1	10
Cadmium	<1		1	1
Carbon Tetrachloride	<2		1	2
Carbaryl	<5		1	5
Chlordane*	<0.2		1	0.2
Chlorobenzene	<10		1	10
Chlorodibromomethane	<10		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	70.5		1	10
Chlorpyrifos	<0.05		1	0.05
Chromium (Total)	<3		1	3
Chromium (Tri) (*1)	<3		1	N/A
Chromium (Hex)	<3		1	3
Copper	<2		1	2
Chrysene	<5		1	5
p-Chloro-m-Cresol	<10		1	10
4,6-Dinitro-o-Cresol	<50		1	50
p-Cresol	<10		1	10
Cyanide (*2)	<10		1	10
4,4'- DDD	<0.1		1	0.1
4,4'- DDE	<0.1		1	0.1
4,4'- DDT	<0.02		1	0.02
2,4-D	<0.7		1	0.7
Demeton (O and S)	<0.20		1	0.20
Diazinon	<0.5		1	0.5/0.1
1,2-Dibromoethane	<10		1	10
m-Dichlorobenzene	<10		1	10
o-Dichlorobenzene	<10		1	10
p-Dichlorobenzene	<10		1	10
3,3'-Dichlorobenzidine	<5		1	5
1,2-Dichloroethane	<10		1	10
1,1-Dichloroethylene	<10		1	10
Dichloromethane	<20		1	20
1,2-Dichloropropane	<10		1	10
1,3-Dichloropropene	<10		1	10
Dicofol	<1		1	1
Dieldrin	<0.02		1	0.02
2,4-Dimethylphenol	<10		1	10
Di-n-Butyl Phthalate	<10		1	10
Diuron	<0.09		1	0.09
Endosulfan I (alpha)	<0.01		1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	<0.02		1	0.02
Endosulfan Sulfate	<0.1		1	0.1
Endrin	<0.02		1	0.02
Ethylbenzene	<10		1	10
Fluoride	<200		1	200
Guthion	<0.1		1	0.1
Heptachlor	<0.01		1	0.01
Heptachlor Epoxide	<0.01		1	0.01
Hexachlorobenzene	<5		1	5
Hexachlorobutadiene	<10		1	10
Hexachlorocyclohexane (alpha)	<0.05		1	0.05
Hexachlorocyclohexane (beta)	<0.05		1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.05		1	0.05
Hexachlorocyclopentadiene	<10		1	10
Hexachloroethane	<20		1	20
Hexachlorophene	<10		1	10
Lead	<0.5		1	0.5
Malathion	<0.1		1	0.1
Mercury	<0.005		1	0.005
Methoxychlor	<2		1	2
Methyl Ethyl Ketone	<50		1	50
Mirex	<0.02		1	0.02
Nickel	<2		1	2
Nitrate-Nitrogen	2,300		1	100
Nitrobenzene	<10		1	10
N-Nitrosodiethylamine	<20		1	20
N-Nitroso-di-n-Butylamine	<20		1	20
Nonylphenol	<333		1	333
Parathion (ethyl)	<0.1		1	0.1
Pentachlorobenzene	<20		1	20
Pentachlorophenol	<5		1	5
Phenanthrene	<10		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) (*3)	<0.2		1	0.2
Pyridine	<20		1	20
Selenium	<5		1	5
Silver	<0.5		1	0.5
1,2,4,5-Tetrachlorobenzene	<20		1	20
1,1,2,2-Tetrachloroethane	<10		1	10
Tetrachloroethylene	<10		1	10
Thallium	<0.5		1	0.5
Toluene	<10		1	10
Toxaphene	<0.3		1	0.3
2,4,5-TP (Silvex)	<0.3		1	0.3
Tributyltin (see instructions for explanation)	<0.01		1	0.01
1,1,1-Trichloroethane	<10		1	10
1,1,2-Trichloroethane	<10		1	10
Trichloroethylene	<10		1	10
2,4,5-Trichlorophenol	<50		1	50
TTHM (Total Trihalomethanes)	87.2		1	10
Vinyl Chloride	<10		1	10
Zinc	17		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: 10/22/2024 @ 0800

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	<5		1	5
Arsenic	0.6		1	0.5
Beryllium	<0.5		1	0.5
Cadmium	<1		1	1
Chromium (Total)	<3		1	3
Chromium (Hex)	<3		1	3
Chromium (Tri) (*1)	<3		1	N/A
Copper	<2		1	2
Lead	<0.5		1	0.5
Mercury	<0.005		1	0.005
Nickel	<2		1	2
Selenium	<5		1	5
Silver	<0.5		1	0.5
Thallium	<0.5		1	0.5
Zinc	17		1	5
Cyanide (*2)	<10		1	10
Phenols, Total	11		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	<50		1	50
Acrylonitrile	<50		1	50
Benzene	<10		1	10
Bromoform	<10		1	10
Carbon Tetrachloride	<2		1	2
Chlorobenzene	<10		1	10
Chlorodibromomethane	<10		1	10
Chloroethane	<50		1	50
2-Chloroethylvinyl Ether	<10		1	10
Chloroform	70.5		1	10
Dichlorobromomethane [Bromodichloromethane]	15.0		1	10
1,1-Dichloroethane	<10		1	10
1,2-Dichloroethane	<10		1	10
1,1-Dichloroethylene	<10		1	10
1,2-Dichloropropane	<10		1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<10		1	10
1,2-Trans-Dichloroethylene	<10		1	10
Ethylbenzene	<10		1	10
Methyl Bromide	<50		1	50
Methyl Chloride	<50		1	50
Methylene Chloride	<20		1	20
1,1,2,2-Tetrachloroethane	<10		1	10
Tetrachloroethylene	<10		1	10
Toluene	<10		1	10
1,1,1-Trichloroethane	<10		1	10
1,1,2-Trichloroethane	<10		1	10
Trichloroethylene	<10		1	10
Vinyl Chloride	<10		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	<10		1	10
2,4-Dichlorophenol	<10		1	10
2,4-Dimethylphenol	<10		1	10
4,6-Dinitro-o-Cresol	<50		1	50
2,4-Dinitrophenol	<50		1	50
2-Nitrophenol	<20		1	20
4-Nitrophenol	<50		1	50
P-Chloro-m-Cresol	<10		1	10
Pentalchlorophenol	<5		1	5
Phenol	<10		1	10
2,4,6-Trichlorophenol	<10		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	<10		1	10
Acenaphthylene	<10		1	10
Anthracene	<10		1	10
Benzidine	<50		1	50
Benzo(a)Anthracene	<5		1	5
Benzo(a)Pyrene	<5		1	5
3,4-Benzofluoranthene	<10		1	10
Benzo(ghi)Perylene	<20		1	20
Benzo(k)Fluoranthene	<5		1	5
Bis(2-Chloroethoxy)Methane	<10		1	10
Bis(2-Chloroethyl)Ether	<10		1	10
Bis(2-Chloroisopropyl)Ether	<10		1	10
Bis(2-Ethylhexyl)Phthalate	<10		1	10
4-Bromophenyl Phenyl Ether	<10		1	10
Butyl benzyl Phthalate	<10		1	10
2-Chloronaphthalene	<10		1	10
4-Chlorophenyl phenyl ether	<10		1	10
Chrysene	<5		1	5
Dibenzo(a,h)Anthracene	<5		1	5
1,2-(o)Dichlorobenzene	<10		1	10
1,3-(m)Dichlorobenzene	<10		1	10
1,4-(p)Dichlorobenzene	<10		1	10
3,3-Dichlorobenzidine	<5		1	5
Diethyl Phthalate	<10		1	10
Dimethyl Phthalate	<10		1	10
Di-n-Butyl Phthalate	<10		1	10
2,4-Dinitrotoluene	<10		1	10
2,6-Dinitrotoluene	<10		1	10
Di-n-Octyl Phthalate	<10		1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<20		1	20
Fluoranthene	<10		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<10		1	10
Hexachlorobenzene	<5		1	5
Hexachlorobutadiene	<10		1	10
Hexachlorocyclo-pentadiene	<10		1	10
Hexachloroethane	<20		1	20
Indeno(1,2,3-cd)pyrene	<5		1	5
Isophorone	<10		1	10
Naphthalene	<10		1	10
Nitrobenzene	<10		1	10
N-Nitrosodimethylamine	<50		1	50
N-Nitrosodi-n-Propylamine	<20		1	20
N-Nitrosodiphenylamine	<20		1	20
Phenanthrene	<10		1	10
Pyrene	<10		1	10
1,2,4-Trichlorobenzene	<10		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	<0.01		1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.05		1	0.05
Chlordane	<0.2		1	0.2
4,4-DDT	<0.02		1	0.02
4,4-DDE	<0.1		1	0.1
4,4,-DDD	<0.1		1	0.1
Dieldrin	<0.02		1	0.02
Endosulfan I (alpha)	<0.01		1	0.01
Endosulfan II (beta)	<0.02		1	0.02
Endosulfan Sulfate	<0.1		1	0.1
Endrin	<0.02		1	0.02
Endrin Aldehyde	<0.1		1	0.1
Heptachlor	<0.01		1	0.01
Heptachlor Epoxide	<0.01		1	0.01
PCB-1242	<0.2		1	0.2
PCB-1254	<0.2		1	0.2
PCB-1221	<0.2		1	0.2
PCB-1232	<0.2		1	0.2
PCB-1248	<0.2		1	0.2
PCB-1260	<0.2		1	0.2
PCB-1016	<0.2		1	0.2
Toxaphene	<0.3		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.

Click to enter text.

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.

Click to enter text.

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: Click to enter text.

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						

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

SPL
The Science of Sure

Project
1122788

PCSL-C

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Printed 11/07/2024
8:40

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

Report Name	Description	Pages
1122788_r02_01_ProjectSamples	SPL Kilgore Project P:1122788 C:PCSL Project Sample Cross Reference t:304	1
1122788_r03_03_ProjectResults	SPL Kilgore Project P:1122788 C:PCSL Project Results t:304	2
1122788_r10_05_ProjectQC	SPL Kilgore Project P:1122788 C:PCSL Project Quality Control Groups	2
1122788_r99_09_CoC__1_of_1	SPL Kilgore CoC PCSL 1122788_1_of_1	2
	Total Pages:	7

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

SPL
The Science of Sure

SAMPLE CROSS REFERENCE

Project
1122788

Printed 11/7/2024

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Sample	Sample ID	Taken	Time	Received
2347329	*779075*	10/22/2024	08:00:00	10/23/2024

Bottle 01 Client supplied glass
Bottle 02 Client supplied H2SO4 Amber Glass
Bottle 03 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1144203) Volume: 6.00000 mL <== Derived from 02 (6 ml)
Bottle 04 Prepared Bottle: 2 mL Autosampler Vial (Batch 1144677) Volume: 10.00000 mL <== Derived from 01 (998 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	04	1144677	10/23/2024	1145105	10/28/2024
EPA 420.4 1	03	1144203	10/23/2024	1144631	10/25/2024

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL The Science of Sure

1
2

PCSL-C

Project 1122788

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Printed: 11/07/2024

RESULTS

Sample Results

2347329 779075 Received: 10/23/2024

Non-Potable Water Collected by: Client Pollution Control Se PO:
Taken: 10/22/2024 08:00:00

EPA 420.4 1 Prepared: 1144203 10/23/2024 15:13:35 Analyzed 1144631 10/25/2024 08:13:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phenolics, Total Recoverable	0.011	mg/L	0.005			03

EPA 615 Prepared: 1144677 10/23/2024 14:30:00 Analyzed 1145105 10/28/2024 18:23:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4 Dichlorophenoxyacetic acid	<0.501	ug/L	0.501		94-75-7	04
NELAC	2,4,5-TP (Silvex)	<0.300	ug/L	0.300		93-72-1	04

Sample Preparation

2347329 779075 Received: 10/23/2024

10/22/2024

EPA 420.4 1 Prepared: 1144203 10/23/2024 15:13:35 Analyzed 1144203 10/23/2024 15:13:35 SRJ

NELAC	Phenol Distillation	6/6	ml					02

EPA 615 Prepared: 1144677 10/23/2024 14:30:00 Analyzed 1144677 10/23/2024 14:30:00 LSM

VELAC	Esterification of Sample	10/998	ml					01

EPA 615 Prepared: 1144677 10/23/2024 14:30:00 Analyzed 1145105 10/28/2024 18:23:00 KAP

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL
The Science of Sure

1
2

PCSL-C

Project
1122788

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Printed: 11/07/2024

2347329 779075

Received: 10/23/2024

10/22/2024

EPA 615	Prepared:	1144677	10/23/2024	14:30:00	Analyzed	1145105	10/28/2024	18:23:00	KAP

NELAC	Herbicides by GC	Entered	04

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

SPL The Science of Sure

PCSL-C

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Project 1122788

Printed 11/07/2024

Analytical Set 1144631 — EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1144203	0.004	0.003	0.005	mg/L	126937004
Phenolics, Total Recoverable	1144203	0.005	0.003	0.005	mg/L	126937042

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.198	0.200	mg/L	99.0	90.0 - 110	126936997
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	126937005
Phenolics, Total Recoverable	0.192	0.200	mg/L	96.0	90.0 - 110	126937011
Phenolics, Total Recoverable	0.191	0.200	mg/L	95.5	90.0 - 110	126937022
Phenolics, Total Recoverable	0.191	0.200	mg/L	95.5	90.0 - 110	126937033
Phenolics, Total Recoverable	0.189	0.200	mg/L	94.5	90.0 - 110	126937046
Phenolics, Total Recoverable	0.202	0.200	mg/L	101	90.0 - 110	126937049

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2344252	0.069	0.072	mg/L	4.26	20.0
Phenolics, Total Recoverable	2346897	0.091	0.092	mg/L	1.09	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.199	0.200	mg/L	99.5	90.0 - 110	126936996

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1144203	0.196	0.193	0.200	90.0 - 110	98.0	96.5	mg/L	1.54	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Phenolics, Total Recoverable	2344252	0.274	0.072	0.200	mg/L	101	90.0 - 110	126937003	
Phenolics, Total Recoverable	2346897	0.247	0.092	0.200	mg/L	77.5	90.0 - 110	126937048	*

Analytical Set 1145105 — EPA 615

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	1144677	ND	15.9	50.0	ug/L	126947406
2,4,5-TP (Silvex)	1144677	ND	8.93	30.0	ug/L	126947406

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
2,4 Dichlorophenoxyacetic acid	156	150	ug/L	104	80.0 - 115	126947405
2,4 Dichlorophenoxyacetic acid	150	150	ug/L	100	80.0 - 115	126947413
2,4,5-TP (Silvex)	150	150	ug/L	99.7	80.0 - 115	126947405
2,4,5-TP (Silvex)	157	150	ug/L	105	80.0 - 115	126947413

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%

QUALITY CONTROL

SPL The Science of Sure

PCSL-C

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Project
1122788

Printed 11/07/2024

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1144677	118	112	100	0.100 - 319	118	112	ug/L	5.22	30.0
2,4,5-TP (Silvex)	1144677	89.6	91.7	100	0.100 - 244	89.6	91.7	ug/L	2.32	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	132	200	ug/L	66.0	0.100 - 313	126947405
2,4-Dichlorophenylacetic Acid		CCV	128	200	ug/L	64.0	0.100 - 313	126947413
2,4-Dichlorophenylacetic Acid	1144677	Blank	83.5	200	ug/L	41.8	0.100 - 313	126947406
2,4-Dichlorophenylacetic Acid	1144677	LCS	89.6	200	ug/L	44.8	0.100 - 313	126947407
2,4-Dichlorophenylacetic Acid	1144677	LCS Dup	89.8	200	ug/L	44.9	0.100 - 313	126947408
2,4-Dichlorophenylacetic Acid	2347329	Unknown	0.903	2.00	ug/L	45.2	0.100 - 313	126947412

* Out RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100% Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.)

1122788 CoC Print Group 001 of 001

POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimilie 210.658.7903
210.340.0343

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: SPL·LAB Corp
2600 Dudley Road
Kilgore, TX 75662

Relinquished by: Lauren Wallgren
Date/Time: 10/22/2024 @ 1500
Received by: Fed EX
Date/Time: 10/22/24 1500

PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
779075	10/22/2024	0800	Herbicides 615	Ice	Std
779076	10/22/2024	0800	Phenols, Distillable	H_2SO_4	Std

Comments/Special Instructions: _____

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by: Lauren Wallgren Fed EX Rcvd. 10/23/24 1030 | Date: 10-22-24 Raysharon M 10/23/24 0830

1122788 CoC Print Group 001 of 001

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.

POLLUTION CONTROL SERVICES

1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimilie 210.658.7903
210.340.0343

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: SPL·LAB Corp
2600 Dudley Road
Kilgore, TX 75662

Relinquished by: Lauren Wallgren
Date/Time: 10/22/2024 @ 1500
Received by: FedEx
Date/Time: 10/22/24 1500

PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
779075	10/22/2024	0800	Herbicides 615	Ice	Std
779076	10/22/2024	0800	Phenols, Distillable	H_2SO_4	Std

Comments/Special Instructions: ______

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by: [signature] Date: 10-22-24

Relqr. FedEx 10/23/24 1030

Rayshawn [signature] 10/23/24

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

SPL
The Science of Sure

Project
1122788

PCSL-C

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Printed 11/07/2024
8:40

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

Report Name	Description	Pages
1122788_r02_01_ProjectSamples	SPL Kilgore Project P:1122788 C:PCSL Project Sample Cross Reference t:304	1
1122788_r03_03_ProjectResults	SPL Kilgore Project P:1122788 C:PCSL Project Results t:304	2
1122788_r10_05_ProjectQC	SPL Kilgore Project P:1122788 C:PCSL Project Quality Control Groups	2
1122788_r99_09_CoC__1_of_1	SPL Kilgore CoC PCSL 1122788_1_of_1	2
	Total Pages:	7

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

SAMPLE CROSS REFERENCE

Project
1122788

Printed 11/7/2024 Page 1 of 1
779075

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Sample	Sample ID	Taken	Time	Received
2347329	*779075*	10/22/2024	08:00:00	10/23/2024

Bottle 01 Client supplied glass
Bottle 02 Client supplied H2SO4 Amber Glass
Bottle 03 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1144203) Volume: 6.00000 mL <== Derived from 02 (6 ml)
Bottle 04 Prepared Bottle: 2 mL Autosampler Vial (Batch 1144677) Volume: 10.00000 mL <== Derived from 01 (998 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	04	1144677	10/23/2024	1145105	10/28/2024
EPA 420.4 1	03	1144203	10/23/2024	1144631	10/25/2024

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL The Science of Sure

PCSL-C

Project
1122788

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Printed: 11/07/2024

RESULTS

Sample Results

2347329 **779075** Received: 10/23/2024

Non-Potable Water | Collected by: Client | Pollution Control Se | PO:
Taken: 10/22/2024 | 08:00:00

EPA 420.4 1 Prepared: 1144203 10/23/2024 15:13:35 Analyzed 1144631 10/25/2024 08:13:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phenolics, Total Recoverable**	**0.011**	**mg/L**	0.005			03

EPA 615 Prepared: 1144677 10/23/2024 14:30:00 Analyzed 1145105 10/28/2024 18:23:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**2,4 Dichlorophenoxyacetic acid**	**<0.501**	**ug/L**	0.501		**94-75-7**	04
NELAC	**2,4,5-TP (Silvex)**	**<0.300**	**ug/L**	0.300		**93-72-1**	04

Sample Preparation

2347329 **779075** Received: 10/23/2024

10/22/2024

EPA 420.4 1 Prepared: 1144203 10/23/2024 15:13:35 Analyzed 1144203 10/23/2024 15:13:35 SRJ

NELAC	**Phenol Distillation**	**6/6**	**ml**	02

EPA 615 Prepared: 1144677 10/23/2024 14:30:00 Analyzed 1144677 10/23/2024 14:30:00 LSM

NELAC	**Esterification of Sample**	**10/998**	**ml**	01

EPA 615 Prepared: 1144677 10/23/2024 14:30:00 Analyzed 1145105 10/28/2024 18:23:00 KAP

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
*Office: 903-984-0551 * Fax: 903-984-5914*

SPL
The Science of Sure

1
2

PCSL-C

Project
1122788

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Printed: 11/07/2024

2347329 **779075**

Received: 10/23/2024

10/22/2024

EPA 615 *Prepared:* *1144677* *10/23/2024* *14:30:00* *Analyzed* *1145105* *10/28/2024* *18:23:00* *KAP*

NELAC **Herbicides by GC** **Entered** 04

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

SPL The Science of Sure

PCSL-C

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Project
1122788

Printed 11/07/2024

Analytical Set 1144631 — EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1144203	0.004	0.003	0.005	mg/L	126937004
Phenolics, Total Recoverable	1144203	0.005	0.003	0.005	mg/L	126937042

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.198	0.200	mg/L	99.0	90.0 - 110	126936997
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	126937005
Phenolics, Total Recoverable	0.192	0.200	mg/L	96.0	90.0 - 110	126937011
Phenolics, Total Recoverable	0.191	0.200	mg/L	95.5	90.0 - 110	126937022
Phenolics, Total Recoverable	0.191	0.200	mg/L	95.5	90.0 - 110	126937033
Phenolics, Total Recoverable	0.189	0.200	mg/L	94.5	90.0 - 110	126937046
Phenolics, Total Recoverable	0.202	0.200	mg/L	101	90.0 - 110	126937049

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2344252	0.069	0.072	mg/L	4.26	20.0
Phenolics, Total Recoverable	2346897	0.091	0.092	mg/L	1.09	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.199	0.200	mg/L	99.5	90.0 - 110	126936996

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1144203	0.196	0.193	0.200	90.0 - 110	98.0	96.5	mg/L	1.54	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Phenolics, Total Recoverable	2344252	0.274	0.072	0.200	mg/L	101	90.0 - 110	126937003	
Phenolics, Total Recoverable	2346897	0.247	0.092	0.200	mg/L	77.5	90.0 - 110	126937048	*

Analytical Set 1145105 — EPA 615

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	1144677	ND	15.9	50.0	ug/L	126947406
2,4,5-TP (Silvex)	1144677	ND	8.93	30.0	ug/L	126947406

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
2,4 Dichlorophenoxyacetic acid	156	150	ug/L	104	80.0 - 115	126947405
2,4 Dichlorophenoxyacetic acid	150	150	ug/L	100	80.0 - 115	126947413
2,4,5-TP (Silvex)	150	150	ug/L	99.7	80.0 - 115	126947405
2,4,5-TP (Silvex)	157	150	ug/L	105	80.0 - 115	126947413

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%

QUALITY CONTROL

SPL The Science of Sure

PCSL-C

Pollution Control Services Laboratories
Chuck Wallgren
1532 Universal City Blvd.
Suite 100
Universal City, TX 78148

Project
1122788

Printed 11/07/2024

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
2,4 Dichlorophenoxyacetic acid	**1144677**	**118**	**112**	**100**	**0.100 - 319**	**118**	**112**	ug/L	5.22	30.0
2,4,5-TP (Silvex)	**1144677**	**89.6**	**91.7**	**100**	**0.100 - 244**	**89.6**	**91.7**	ug/L	2.32	30.0

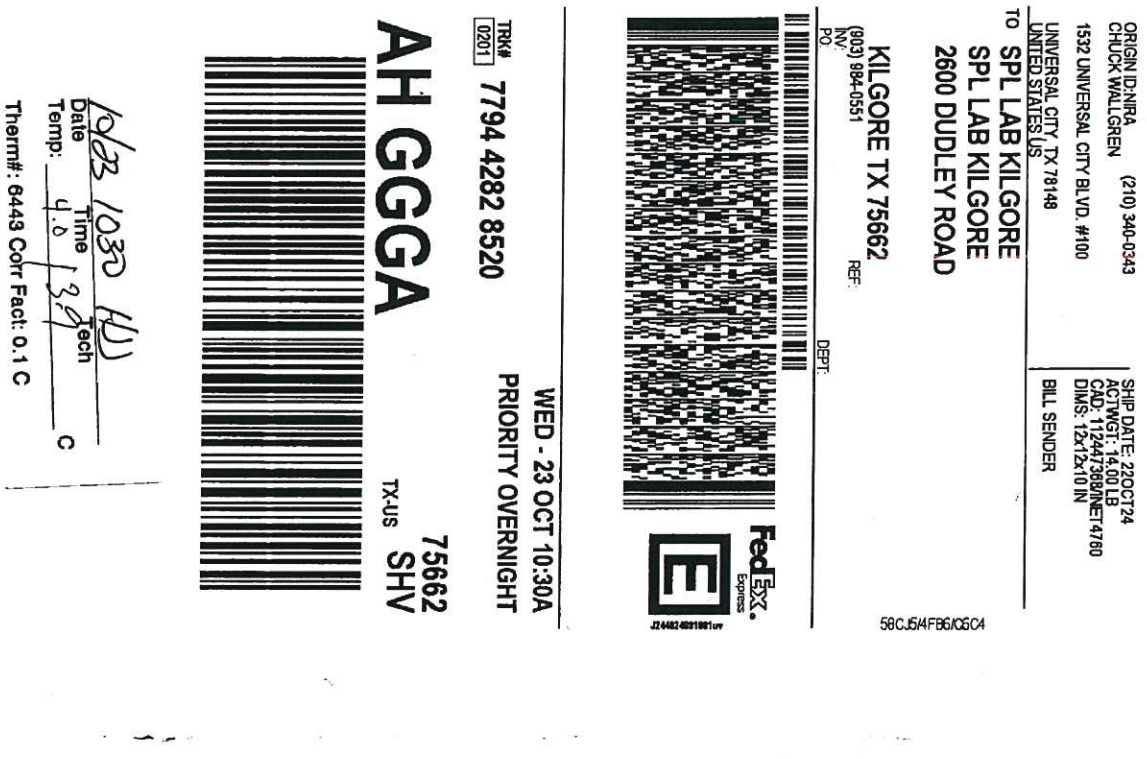
Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
2,4-Dichlorophenylacetic Acid		**CCV**	**132**	**200**	**ug/L**	**66.0**	**0.100 - 313**	**126947405**
2,4-Dichlorophenylacetic Acid		**CCV**	**128**	**200**	**ug/L**	**64.0**	**0.100 - 313**	**126947413**
2,4-Dichlorophenylacetic Acid	**1144677**	**Blank**	**83.5**	**200**	**ug/L**	**41.8**	**0.100 - 313**	**126947406**
2,4-Dichlorophenylacetic Acid	**1144677**	**LCS**	**89.6**	**200**	**ug/L**	**44.8**	**0.100 - 313**	**126947407**
2,4-Dichlorophenylacetic Acid	**1144677**	**LCS Dup**	**89.8**	**200**	**ug/L**	**44.9**	**0.100 - 313**	**126947408**
2,4-Dichlorophenylacetic Acid	**2347329**	**Unknown**	**0.903**	**2.00**	**ug/L**	**45.2**	**0.100 - 313**	**126947412**

* Out RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100% Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.)

1122788 CoC Print Group 001 of 001



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.

POLLUTION CONTROL SERVICES
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318
Facsimilie 210.658.7903
210.340.0343

2410204

CHAIN OF CUSTODY & SUBCONTRACT TRACKING SHEET

TO: DHL Analytical
2300 Double Creek Dr
Round Rock, TX 78664

Relinquished by: Lauren Wallgren
Date/Time: 10/22/2024 @ 1500
Received by:
Date/Time: 10/23/24 - 10:13

Via Fedex

	PCS#	Date	Time	Analysis Requested	Pres	T. A. T.
01	779075	10/22/2024	0800	604.1 Hexachlorophene	Ice	Std
↓	779075	----------	----	Semi Volatiles 625	Ice	----
	779075	----------	----	Pesticide 1657	Ice	----
	779075	----------	----	Pesticides 608	Ice	----
	779075	----------	----	Pesticides 617	Ice	----
	779075	----------	----	Pesticides 632	Ice	----
02	779076	10/22/2024	0800	Cyanide, Amenable	NaOH	Std
↓	779076	----------	-------	Volatiles 624	Ice	Std

Comments/Special Instructions: 0.3°C thermm#78 Custody seal not present

Unless otherwise requested, send results and invoice to:

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd, Suite 100
Universal City, TX 78148-3318

Authorized by: Lauren Wallgren Date: 10-22-24

October 30, 2024

Chuck Wallgren
Pollution Control Services
1532 Universal City Blvd. #100
Universal City, TX 78148
TEL: (210) 394-4570
FAX:

Order No.: 2410204

RE: PCS 779075

Dear Chuck Wallgren:

DHL Analytical, Inc. received 2 sample(s) on 10/23/2024 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative and all estimated uncertainties of results are within method specifications.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Joel Grice
Executive VP of Environmental

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211 - TX-C24-00120

Table of Contents

Miscellaneous Documents 3

CaseNarrative 2410204 6

WorkOrderSampleSummary 2410204 7

Analytical Report 2410204 8

AnalyticalQCSummaryReport 2410204 14

FROM: (210) 340-0343
Chuck Wallgren

1532 Universal City Blvd. #100

Universal City TX 78148
US

SHIP DATE: 22OCT24
ACTWGT: 55.00 LB
CAD: 112447368/INET4760
DIMMED: 26 X 15 X 15 IN

BILL SENDER

TO DHL Analytical Receiving
DHL Analytical

2300 Double Creek

ROUND ROCK TX 78664 (US)

(512) 388-8222 REF:

INV:

PO: DEPT:

58GJ5/4FB6/CGC4

FedEx Ground

J244024091001uv

TRK# 7794 4196 8623

78664

9622 0019 0 (000 000 0000) 0 00 7794 4196 8623

FedEx Ship Manager - Print Your Label(s)

10/22/24, 2:36 PM

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name: **Pollution Control Services** Date Received: **10/23/2024**

Work Order Number: **2410204** Received by: **KAO**

Checklist completed by: _____ 10/23/2024 Reviewed by: SH 10/23/2024
Signature | Date | Initials | Date

Carrier name: FedEx Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐ NA ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted? _____		Checked by _____
Water - ph>9 (S) or ph>10 (CN) acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 12798
	Adjusted? no		Checked by _____
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Cooler #	1
Temp °C	0.3
Seal Intact	NP

Any No response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

DHL Analytical, Inc. **Date:** *30-Oct-24*

CLIENT: Pollution Control Services
Project: PCS 779075
Lab Order: 2410204

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

ASTM, EPA and Standard Methods.

The compounds Nonylphenol and Dicofol are not NELAP Certified.

The compounds Diuron and Hexachlorophene are not NELAP Certified.

Several compounds for Pesticides are not NELAP Certified.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where noted in the following. For Pesticides Analysis, the RPD of Endrin aldehyde for the Laboratory Control Spike Duplicate (LCSD-117720) was above the method control limits. This is flagged accordingly in the QC Summary Report. This compound was within method control limits in the associated LCS/ICV. No further corrective action was taken.

For Volatiles Analysis, three equal parts of Sample 779076 were composited prior to analysis.

For Volatiles Analysis, there was no recovery of 2-Chloroethylvinylether for the Matrix Spike and Matrix Spike Duplicate (2410196-13 MS/MSD), due to reaction to preservative. This is flagged accordingly in the QC Summary Report. The sample selected for the Batch QC was not from this workorder. No further corrective action was taken.

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT: Pollution Control Services
Project: PCS 779075
Lab Order: 2410204

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
2410204-01	779075		10/22/24 08:00 AM	10/23/2024
2410204-02	779076		10/22/24 08:00 AM	10/23/2024

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	Pollution Control Services	**Client Sample ID:**	779075
Project:	PCS 779075	**Lab ID:**	2410204-01
Project No:		**Collection Date:**	10/22/24 08:00 AM
Lab Order:	2410204	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
DIURON-HEXACHLOROPHENE BY LCMS		**E632**					Analyst: **RA**
Diuron	<0.0000297	0.0000297	0.0000792	N	mg/L	1	10/24/24 01:47 PM
Hexachlorophene	<0.000990	0.000990	0.00495	N	mg/L	1	10/24/24 01:47 PM
Surr: Carbazole	74.7	0	35-145		%REC	1	10/24/24 01:47 PM
625.1 PCB BY GC/MS		**E625.1**					Analyst: **DEW**
Aroclor 1016	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Aroclor 1221	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Aroclor 1232	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Aroclor 1242	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Aroclor 1248	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Aroclor 1254	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Aroclor 1260	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Total PCBs	<0.0000983	0.0000983	0.000197		mg/L	1	10/29/24 11:29 AM
Surr: 2-Fluorobiphenyl	100	0	43-116		%REC	1	10/29/24 11:29 AM
Surr: 4-Terphenyl-d14	116	0	33-141		%REC	1	10/29/24 11:29 AM
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Anthracene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Benzidine	<0.000987	0.000987	0.00395		mg/L	1	10/24/24 07:57 PM
Benzo[a]anthracene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Benzo[a]pyrene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Bis(2-chloroethyl)ether	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Bis(2-ethylhexyl)phthalate	<0.00296	0.00296	0.00592		mg/L	1	10/24/24 07:57 PM
Chrysene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
4,6-Dinitro-o-cresol	<0.00197	0.00197	0.00395		mg/L	1	10/24/24 07:57 PM
o-Cresol	<0.00197	0.00197	0.00395		mg/L	1	10/24/24 07:57 PM
p-Chloro-m-Cresol	<0.00197	0.00197	0.00395		mg/L	1	10/24/24 07:57 PM
m,p-Cresols	<0.00197	0.00197	0.00395		mg/L	1	10/24/24 07:57 PM
3,3´-Dichlorobenzidine	<0.000987	0.000987	0.00493		mg/L	1	10/24/24 07:57 PM
2,4-Dimethylphenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Di-n-butyl phthalate	<0.00296	0.00296	0.00592		mg/L	1	10/24/24 07:57 PM
Hexachlorobenzene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Hexachlorobutadiene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Hexachlorocyclopentadiene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Hexachloroethane	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Nitrobenzene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
N-Nitrosodiethylamine	<0.00197	0.00197	0.00395		mg/L	1	10/24/24 07:57 PM
N-Nitrosodi-n-butylamine	<0.000987	0.000987	0.00395		mg/L	1	10/24/24 07:57 PM
Pentachlorobenzene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	Pollution Control Services	**Client Sample ID:**	779075
Project:	PCS 779075	**Lab ID:**	2410204-01
Project No:		**Collection Date:**	10/22/24 08:00 AM
Lab Order:	2410204	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Pentachlorophenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Phenanthrene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Pyridine	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
1,2,4,5-Tetrachlorobenzene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
2,4,5-Trichlorophenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
2-Chlorophenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
2,4-Dichlorophenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
2,4-Dinitrophenol	<0.00197	0.00197	0.00395		mg/L	1	10/24/24 07:57 PM
2-Nitrophenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
4-Nitrophenol	<0.00197	0.00197	0.00395		mg/L	1	10/24/24 07:57 PM
Phenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
2,4,6-Trichlorophenol	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Acenaphthene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Acenaphthylene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Benzo[b]fluoranthene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Benzo[g,h,i]perylene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Benzo[k]fluoranthene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Bis(2-chloroethoxy)methane	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Bis(2-chloroisopropyl)ether	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
4-Bromophenyl phenyl ether	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Butyl benzyl phthalate	<0.00296	0.00296	0.00592		mg/L	1	10/24/24 07:57 PM
2-Chloronaphthalene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
4-Chlorophenyl phenyl ether	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Dibenz[a,h]anthracene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Diethyl phthalate	<0.00296	0.00296	0.00592		mg/L	1	10/24/24 07:57 PM
Dimethyl phthalate	<0.00296	0.00296	0.00592		mg/L	1	10/24/24 07:57 PM
2,4-Dinitrotoluene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
2,6-Dinitrotoluene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Di-n-octyl phthalate	<0.00296	0.00296	0.00592		mg/L	1	10/24/24 07:57 PM
1,2-Diphenylhydrazine	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Fluoranthene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Fluorene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Indeno[1,2,3-cd]pyrene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Isophorone	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Naphthalene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
N-Nitrosodimethylamine	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
N-Nitrosodi-n-propylamine	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
N-Nitrosodiphenylamine	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level
DF	Dilution Factor
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
S	Spike Recovery outside control limits
C	Sample Result or QC discussed in the Case Narrative
E	TPH pattern not Gas or Diesel Range Pattern
MDL	Method Detection Limit
RL	Reporting Limit
N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	Pollution Control Services	**Client Sample ID:**	779075
Project:	PCS 779075	**Lab ID:**	2410204-01
Project No:		**Collection Date:**	10/22/24 08:00 AM
Lab Order:	2410204	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 SEMIVOLATILE WATER		**E625.1**					Analyst: **DEW**
Pyrene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
1,2,4-Trichlorobenzene	<0.000987	0.000987	0.00197		mg/L	1	10/24/24 07:57 PM
Surr: 2,4,6-Tribromophenol	96.8	0	10-123		%REC	1	10/24/24 07:57 PM
Surr: 2-Fluorobiphenyl	83.8	0	43-116		%REC	1	10/24/24 07:57 PM
Surr: 2-Fluorophenol	50.0	0	21-100		%REC	1	10/24/24 07:57 PM
Surr: 4-Terphenyl-d14	86.8	0	33-141		%REC	1	10/24/24 07:57 PM
Surr: Nitrobenzene-d5	91.8	0	35-115		%REC	1	10/24/24 07:57 PM
Surr: Phenol-d5	32.0	0	10-94		%REC	1	10/24/24 07:57 PM
625.1 PESTICIDE BY GC/MS		**E625.1**					Analyst: **DEW**
4,4´-DDD	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
4,4´-DDE	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
4,4´-DDT	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Aldrin	<0.00000983	0.00000983	0.00000983		mg/L	1	10/28/24 09:59 PM
alpha-BHC (Hexachlorocyclohexane)	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
beta-BHC (Hexachlorocyclohexane)	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Carbaryl	<0.00000983	0.00000983	0.0000295	N	mg/L	1	10/28/24 09:59 PM
Chlordane	<0.0000590	0.0000590	0.000197	N	mg/L	1	10/28/24 09:59 PM
Chlorpyrifos	<0.00000983	0.00000983	0.0000295	N	mg/L	1	10/28/24 09:59 PM
delta-BHC (Hexachlorocyclohexane)	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Diazinon	<0.00000983	0.00000983	0.0000295	N	mg/L	1	10/28/24 09:59 PM
Dieldrin	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Endosulfan I	<0.00000983	0.00000983	0.00000983		mg/L	1	10/28/24 09:59 PM
Endosulfan II	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Endosulfan sulfate	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Endrin	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Endrin aldehyde	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
gamma-BHC (Lindane)	<0.00000983	0.00000983	0.0000197		mg/L	1	10/28/24 09:59 PM
Guthion (Azinphosmethyl)	<0.00000983	0.00000983	0.0000295	N	mg/L	1	10/28/24 09:59 PM
Heptachlor	<0.00000983	0.00000983	0.00000983		mg/L	1	10/28/24 09:59 PM
Heptachlor epoxide	<0.00000983	0.00000983	0.00000983		mg/L	1	10/28/24 09:59 PM
Malathion	<0.00000983	0.00000983	0.0000295	N	mg/L	1	10/28/24 09:59 PM
Methoxychlor	<0.0000197	0.0000197	0.0000197	N	mg/L	1	10/28/24 09:59 PM
Mirex	<0.00000983	0.00000983	0.0000197	N	mg/L	1	10/28/24 09:59 PM
Parathion, ethyl	<0.00000983	0.00000983	0.0000295	N	mg/L	1	10/28/24 09:59 PM
Toxaphene	<0.000295	0.000295	0.000295		mg/L	1	10/28/24 09:59 PM
Demeton (O & S)	<0.00000983	0.00000983	0.0000295	N	mg/L	1	10/28/24 09:59 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	Pollution Control Services	**Client Sample ID:**	779075
Project:	PCS 779075	**Lab ID:**	2410204-01
Project No:		**Collection Date:**	10/22/24 08:00 AM
Lab Order:	2410204	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
625.1 PESTICIDE BY GC/MS		**E625.1**					Analyst: **DEW**
Surr: 2-Fluorobiphenyl	81.3	0	43-116		%REC	1	10/28/24 09:59 PM
Surr: 4-Terphenyl-d14	106	0	33-141		%REC	1	10/28/24 09:59 PM
DICOFOL IN WATER BY ASTM METHOD		**D5812-96MOD**					Analyst: **DEW**
Dicofol	<0.000197	0.000197	0.000393	N	mg/L	1	10/28/24 09:59 PM
NONYLPHENOL IN WATER BY ASTM METHOD		**D7065-17**					Analyst: **DEW**
Nonylphenol	<0.0691	0.0691	0.0987	N	mg/L	1	10/24/24 07:57 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	Pollution Control Services	**Client Sample ID:**	779076
Project:	PCS 779075	**Lab ID:**	2410204-02
Project No:		**Collection Date:**	10/22/24 08:00 AM
Lab Order:	2410204	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		E624.1					Analyst: **JVR**
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	10/23/24 03:06 PM
Benzene	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Bromodichloromethane	0.0150	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Bromoform	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Carbon tetrachloride	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Chlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Chlorodibromomethane	0.00172	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Chloroform	0.0705	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,2-Dibromoethane	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,1-Dichloroethene	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Methylene chloride (DCM)	<0.00250	0.00250	0.00500		mg/L	1	10/23/24 03:06 PM
1,2-Dichloropropane	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,3-Dichloropropene (cis)	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,3-Dichloropropene (trans)	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Methyl ethyl ketone	<0.00500	0.00500	0.0150		mg/L	1	10/23/24 03:06 PM
1,1,2,2-Tetrachloroethane	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	10/23/24 03:06 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	10/23/24 03:06 PM
1,1,1-Trichloroethane	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
1,1,2-Trichloroethane	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Trichloroethene	<0.000600	0.000600	0.00100		mg/L	1	10/23/24 03:06 PM
TTHM (Total Trihalomethanes)	0.0872	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Vinyl chloride	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Acrolein	<0.00500	0.00500	0.0150		mg/L	1	10/23/24 03:06 PM
Chloroethane	<0.00100	0.00100	0.00500		mg/L	1	10/23/24 03:06 PM
2-Chloroethylvinylether	<0.00600	0.00600	0.0100		mg/L	1	10/23/24 03:06 PM
1,1-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	10/23/24 03:06 PM
Methyl bromide	<0.00100	0.00100	0.00500		mg/L	1	10/23/24 03:06 PM
Methyl chloride	<0.00100	0.00100	0.00500		mg/L	1	10/23/24 03:06 PM
trans-1,2-Dichloroethylene	<0.000300	0.000300	0.00200		mg/L	1	10/23/24 03:06 PM
Surr: 1,2-Dichloroethane-d4	101	0	72-119		%REC	1	10/23/24 03:06 PM
Surr: 4-Bromofluorobenzene	109	0	76-119		%REC	1	10/23/24 03:06 PM
Surr: Dibromofluoromethane	101	0	85-115		%REC	1	10/23/24 03:06 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

DHL Analytical, Inc.

Date: *30-Oct-24*

CLIENT:	Pollution Control Services	**Client Sample ID:**	779076
Project:	PCS 779075	**Lab ID:**	2410204-02
Project No:		**Collection Date:**	10/22/24 08:00 AM
Lab Order:	2410204	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
624.1 VOLATILES WATER		**E624.1**					Analyst: **JVR**
Surr: Toluene-d8	109	0	81-120		%REC	1	10/23/24 03:06 PM
CYANIDE - WATER SAMPLE		**M4500-CN E**					Analyst: **SMA**
Cyanide, Amenable to Chlorination	<0.0100	0.0100	0.0200		mg/L	1	10/28/24 05:11 PM
Cyanide, Total	<0.0100	0.0100	0.0200		mg/L	1	10/28/24 05:11 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor	E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	RL	Reporting Limit
S	Spike Recovery outside control limits	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: LCMS2_241024A

The QC data in batch 117671 applies to the following samples: 2410204-01A

Sample ID: **MB-117671** Batch ID: **117671** TestNo: **E632** Units: **mg/L**
SampType: **MBLK** Run ID: **LCMS2_241024A** Analysis Date: **10/24/2024 1:02:13 PM** Prep Date: **10/23/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	<0.0000300	0.0000800								N
Hexachlorophene	<0.00100	0.00500								N
Surr: Carbazole	7.27		10.00		72.7	35	145			

Sample ID: **LCS-117671** Batch ID: **117671** TestNo: **E632** Units: **mg/L**
SampType: **LCS** Run ID: **LCMS2_241024A** Analysis Date: **10/24/2024 1:13:33 PM** Prep Date: **10/23/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	0.00173	0.0000800	0.00200	0	86.4	35	145			N
Hexachlorophene	0.00151	0.00500	0.00200	0	75.7	35	145			N
Surr: Carbazole	6.79		10.00		67.9	35	145			

Sample ID: **LCSD-117671** Batch ID: **117671** TestNo: **E632** Units: **mg/L**
SampType: **LCSD** Run ID: **LCMS2_241024A** Analysis Date: **10/24/2024 1:24:51 PM** Prep Date: **10/23/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diuron	0.00177	0.0000800	0.00200	0	88.5	35	145	2.41	30	N
Hexachlorophene	0.00172	0.00500	0.00200	0	86.2	35	145	12.9	30	N
Surr: Carbazole	6.88		10.00		68.8	35	145	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_241028A

The QC data in batch 117720 applies to the following samples: 2410204-01C

Sample ID: **LCS-117720** Batch ID: **117720** TestNo: **E625.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS10_241028A** Analysis Date: **10/28/2024 3:23:00 PM** Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	0.000322	0.0000200	0.000400	0	80.5	0.1	135			
4,4'-DDE	0.000243	0.0000200	0.000400	0	60.7	19	120			
4,4'-DDT	0.000286	0.0000200	0.000400	0	71.5	0.1	171			
Aldrin	0.000171	0.0000100	0.000400	0	42.7	7	152			
alpha-BHC (Hexachlorocyclohexane)	0.000315	0.0000200	0.000400	0	78.8	42	108			
beta-BHC (Hexachlorocyclohexane)	0.000334	0.0000200	0.000400	0	83.4	42	131			
Carbaryl	0.000438	0.0000300	0.000400	0	109	38	168			N
Chlorpyrifos	0.000410	0.0000300	0.000400	0	102	42	131			N
delta-BHC (Hexachlorocyclohexane)	0.000339	0.0000200	0.000400	0	84.8	0.1	120			
Diazinon	0.000361	0.0000300	0.000400	0	90.2	52	120			N
Dieldrin	0.000343	0.0000200	0.000400	0	85.8	44	119			
Endosulfan I	0.000342	0.0000100	0.000400	0	85.6	47	128			
Endosulfan II	0.000385	0.0000200	0.000400	0	96.3	52	125			
Endosulfan sulfate	0.000390	0.0000200	0.000400	0	97.6	0.1	120			
Endrin	0.000400	0.0000200	0.000400	0	99.9	50	151			
Endrin aldehyde	0.0000779	0.0000200	0.000400	0	19.5	0.1	189			
gamma-BHC (Lindane)	0.000314	0.0000200	0.000400	0	78.5	41	111			
Guthion (Azinphosmethyl)	0.000647	0.0000300	0.000400	0	162	44	193			N
Heptachlor	0.000217	0.0000100	0.000400	0	54.3	0.1	172			
Heptachlor epoxide	0.000339	0.0000100	0.000400	0	84.8	71	120			
Malathion	0.000522	0.0000300	0.000400	0	131	56	161			N
Methoxychlor	0.000378	0.0000200	0.000400	0	94.4	38	156			N
Mirex	0.000292	0.0000200	0.000400	0	73.1	27	131			N
Parathion, ethyl	0.000531	0.0000300	0.000400	0	133	13	184			N
Demeton (O & S)	0.000329	0.0000300	0.000400	0	82.2	28	154			N
Surr: 2-Fluorobiphenyl	3.13		4.000		78.2	43	116			
Surr: 4-Terphenyl-d14	3.83		4.000		95.8	33	141			

Sample ID: **LCSD-117720** Batch ID: **117720** TestNo: **E625.1** Units: **mg/L**
SampType: **LCSD** Run ID: **GCMS10_241028A** Analysis Date: **10/28/2024 3:59:00 PM** Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4'-DDD	0.000374	0.0000200	0.000400	0	93.5	0.1	135	14.9	50	
4,4'-DDE	0.000302	0.0000200	0.000400	0	75.6	19	120	21.8	50	
4,4'-DDT	0.000358	0.0000200	0.000400	0	89.4	0.1	171	22.3	50	
Aldrin	0.000252	0.0000100	0.000400	0	62.9	7	152	38.3	50	
alpha-BHC (Hexachlorocyclohexane)	0.000304	0.0000200	0.000400	0	76.1	42	108	3.58	50	
beta-BHC (Hexachlorocyclohexane)	0.000329	0.0000200	0.000400	0	82.1	42	131	1.52	50	
Carbaryl	0.000474	0.0000300	0.000400	0	118	38	168	7.81	50	N
Chlorpyrifos	0.000405	0.0000300	0.000400	0	101	42	131	1.29	50	N

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_241028A

Sample ID: **LCSD-117720** Batch ID: **117720** TestNo: **E625.1** Units: **mg/L**
SampType: **LCSD** Run ID: **GCMS10_241028A** Analysis Date: **10/28/2024 3:59:00 PM** Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
delta-BHC (Hexachlorocyclohexane)	0.000347	0.0000200	0.000400	0	86.7	0.1	120	2.27	50	
Diazinon	0.000370	0.0000300	0.000400	0	92.5	52	120	2.54	50	N
Dieldrin	0.000351	0.0000200	0.000400	0	87.8	44	119	2.19	50	
Endosulfan I	0.000362	0.0000100	0.000400	0	90.5	47	128	5.62	50	
Endosulfan II	0.000402	0.0000200	0.000400	0	100	52	125	4.26	50	
Endosulfan sulfate	0.000400	0.0000200	0.000400	0	99.9	0.1	120	2.39	50	
Endrin	0.000446	0.0000200	0.000400	0	111	50	151	11.0	50	
Endrin aldehyde	0.000313	0.0000200	0.000400	0	78.3	0.1	189	120	50	R
gamma-BHC (Lindane)	0.000305	0.0000200	0.000400	0	76.2	41	111	2.87	50	
Guthion (Azinphosmethyl)	0.000681	0.0000300	0.000400	0	170	44	193	5.11	50	N
Heptachlor	0.000291	0.0000100	0.000400	0	72.6	0.1	172	28.9	50	
Heptachlor epoxide	0.000352	0.0000100	0.000400	0	88.0	71	120	3.79	50	
Malathion	0.000530	0.0000300	0.000400	0	133	56	161	1.51	50	N
Methoxychlor	0.000426	0.0000200	0.000400	0	106	38	156	12.0	50	N
Mirex	0.000317	0.0000200	0.000400	0	79.3	27	131	8.15	50	N
Parathion, ethyl	0.000565	0.0000300	0.000400	0	141	13	184	6.04	50	N
Demeton (O & S)	0.000348	0.0000300	0.000400	0	87.0	28	154	5.59	50	N
Surr: 2-Fluorobiphenyl	2.90		4.000		72.4	43	116	0	0	
Surr: 4-Terphenyl-d14	3.77		4.000		94.2	33	141	0	0	

Sample ID: **MB-117720** Batch ID: **117720** TestNo: **E625.1** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS10_241028A** Analysis Date: **10/28/2024 8:47:00 PM** Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
4,4´-DDD	<0.0000100	0.0000200								
4,4´-DDE	<0.0000100	0.0000200								
4,4´-DDT	<0.0000100	0.0000200								
Aldrin	<0.0000100	0.0000100								
alpha-BHC (Hexachlorocyclohexane)	<0.0000100	0.0000200								
beta-BHC (Hexachlorocyclohexane)	<0.0000100	0.0000200								
Carbaryl	<0.0000100	0.0000300								N
Chlordane	<0.0000600	0.000200								N
Chlorpyrifos	<0.0000100	0.0000300								N
delta-BHC (Hexachlorocyclohexane)	<0.0000100	0.0000200								
Diazinon	<0.0000100	0.0000300								N
Dieldrin	<0.0000100	0.0000200								
Endosulfan I	<0.0000100	0.0000100								
Endosulfan II	<0.0000100	0.0000200								
Endosulfan sulfate	<0.0000100	0.0000200								
Endrin	<0.0000100	0.0000200								
Endrin aldehyde	<0.0000100	0.0000200								

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_241028A

Sample ID: **MB-117720**	Batch ID: **117720**	TestNo: **E625.1**		Units: **mg/L**	
SampType: **MBLK**	Run ID: **GCMS10_241028A**	Analysis Date: **10/28/2024 8:47:00 PM**		Prep Date: **10/28/2024**	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
gamma-BHC (Lindane)	<0.0000100	0.0000200								
Guthion (Azinphosmethyl)	<0.0000100	0.0000300								N
Heptachlor	<0.0000100	0.0000100								
Heptachlor epoxide	<0.0000100	0.0000100								
Malathion	<0.0000100	0.0000300								N
Methoxychlor	<0.0000200	0.0000200								N
Mirex	<0.0000100	0.0000200								N
Parathion, ethyl	<0.0000100	0.0000300								N
Toxaphene	<0.000300	0.000300								
Demeton (O & S)	<0.0000100	0.0000300								N
Surr: 2-Fluorobiphenyl	3.52		4.000		88.1	43	116			
Surr: 4-Terphenyl-d14	4.04		4.000		101	33	141			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS10_241028B

The QC data in batch 117720 applies to the following samples: 2410204-01C

Sample ID: **LCS-117720-DICO**	Batch ID: **117720**	TestNo: **D5812-96mod**	Units: **mg/L**
SampType: **LCS**	Run ID: **GCMS10_241028B**	Analysis Date: **10/28/2024 6:23:00 PM**	Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dicofol	0.00161	0.000400	0.00100	0	161	22	180			N

Sample ID: **MB-117720**	Batch ID: **117720**	TestNo: **D5812-96mod**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS10_241028B**	Analysis Date: **10/28/2024 8:47:00 PM**	Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dicofol	<0.000200	0.000400								N

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS8_241029A

The QC data in batch 117720 applies to the following samples: 2410204-01C

Sample ID: **LCS-117720-PCB** Batch ID: **117720** TestNo: **E625.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS8_241029A** Analysis Date: **10/29/2024 9:59:00 AM** Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.00408	0.000200	0.00400	0	102	37	130			
Aroclor 1260	0.00484	0.000200	0.00400	0	121	19	130			
Total PCBs	0.00891	0.000200	0.00800	0	111	19	130			
Surr: 2-Fluorobiphenyl	3.92		4.000		97.9	43	116			
Surr: 4-Terphenyl-d14	4.67		4.000		117	33	141			

Sample ID: **MB-117720** Batch ID: **117720** TestNo: **E625.1** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS8_241029A** Analysis Date: **10/29/2024 10:29:00 A** Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	<0.000100	0.000200								
Aroclor 1221	<0.000100	0.000200								
Aroclor 1232	<0.000100	0.000200								
Aroclor 1242	<0.000100	0.000200								
Aroclor 1248	<0.000100	0.000200								
Aroclor 1254	<0.000100	0.000200								
Aroclor 1260	<0.000100	0.000200								
Total PCBs	<0.000100	0.000200								
Surr: 2-Fluorobiphenyl	4.29		4.000		107	43	116			
Surr: 4-Terphenyl-d14	4.58		4.000		114	33	141			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_241024B

The QC data in batch 117687 applies to the following samples: 2410204-01B

Sample ID: **LCS-117687** Batch ID: **117687** TestNo: **E625.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS9_241024B** Analysis Date: **10/24/2024 3:52:00 PM** Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0157	0.00400	0.0400	0	39.3	5	125			
Benzo[a]anthracene	0.0396	0.00200	0.0400	0	99.0	33	143			
Benzo[a]pyrene	0.0437	0.00200	0.0400	0	109	17	163			
Chrysene	0.0421	0.00200	0.0400	0	105	17	168			
2,4-Dimethylphenol	0.0384	0.00200	0.0400	0	96.0	32	120			
4,6-Dinitro-o-cresol	0.0462	0.00400	0.0400	0	116	10	181			
m,p-Cresols	0.0321	0.00400	0.0400	0	80.2	10	125			
o-Cresol	0.0340	0.00400	0.0400	0	85.0	25	125			
p-Chloro-m-Cresol	0.0400	0.00400	0.0400	0	100	22	147			
Hexachlorobenzene	0.0370	0.00200	0.0400	0	92.4	10	152			
Hexachlorobutadiene	0.0319	0.00200	0.0400	0	79.8	24	120			
Hexachloroethane	0.0353	0.00200	0.0400	0	88.3	40	120			
Nitrobenzene	0.0399	0.00200	0.0400	0	99.9	35	180			
N-Nitrosodiethylamine	0.0367	0.00400	0.0400	0	91.7	20	125			
N-Nitrosodi-n-butylamine	0.0439	0.00400	0.0400	0	110	20	125			
Pentachlorobenzene	0.0374	0.00200	0.0400	0	93.5	40	140			
Pentachlorophenol	0.0372	0.00200	0.0400	0	93.0	14	176			
Phenanthrene	0.0370	0.00200	0.0400	0	92.5	54	120			
Pyridine	0.0193	0.00200	0.0400	0	48.2	10	75			
1,2,4,5-Tetrachlorobenzene	0.0361	0.00200	0.0400	0	90.3	30	140			
2,4,5-Trichlorophenol	0.0427	0.00200	0.0400	0	107	25	125			
2-Chlorophenol	0.0353	0.00200	0.0400	0	88.3	23	134			
2,4-Dichlorophenol	0.0406	0.00200	0.0400	0	101	39	135			
2,4-Dinitrophenol	0.0383	0.00400	0.0400	0	95.8	10	191			
2-Nitrophenol	0.0414	0.00200	0.0400	0	103	29	182			
4-Nitrophenol	0.0296	0.00400	0.0400	0	73.9	10	132			
Phenol	0.0199	0.00200	0.0400	0	49.8	5	120			
2,4,6-Trichlorophenol	0.0429	0.00200	0.0400	0	107	37	144			
Acenaphthene	0.0382	0.00200	0.0400	0	95.4	47	145			
Acenaphthylene	0.0367	0.00200	0.0400	0	91.8	33	145			
Anthracene	0.0382	0.00200	0.0400	0	95.4	27	133			
Benzo[b]fluoranthene	0.0420	0.00200	0.0400	0	105	24	159			
Benzo[g,h,i]perylene	0.0451	0.00200	0.0400	0	113	10	219			
Benzo[k]fluoranthene	0.0408	0.00200	0.0400	0	102	11	162			
Bis(2-chloroethoxy)methane	0.0379	0.00200	0.0400	0	94.9	33	184			
Bis(2-chloroethyl)ether	0.0419	0.00200	0.0400	0	105	12	158			
Bis(2-chloroisopropyl)ether	0.0344	0.00200	0.0400	0	86.0	36	166			
Bis(2-ethylhexyl)phthalate	0.0510	0.00600	0.0400	0	128	10	158			
4-Bromophenyl phenyl ether	0.0378	0.00200	0.0400	0	94.4	53	127			
Butyl benzyl phthalate	0.0465	0.00600	0.0400	0	116	10	152			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_241024B

Sample ID: **LCS-117687** Batch ID: **117687** TestNo: **E625.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS9_241024B** Analysis Date: **10/24/2024 3:52:00 PM** Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
2-Chloronaphthalene	0.0375	0.00200	0.0400	0	93.8	60	120			
4-Chlorophenyl phenyl ether	0.0383	0.00200	0.0400	0	95.8	25	158			
Dibenz[a,h]anthracene	0.0443	0.00200	0.0400	0	111	10	125			
3,3'-Dichlorobenzidine	0.0380	0.00500	0.0400	0	95.1	10	262			
Diethyl phthalate	0.0410	0.00600	0.0400	0	102	10	120			
Dimethyl phthalate	0.0402	0.00600	0.0400	0	101	10	120			
Di-n-butyl phthalate	0.0459	0.00600	0.0400	0	115	10	120			
2,4-Dinitrotoluene	0.0405	0.00200	0.0400	0	101	39	139			
2,6-Dinitrotoluene	0.0405	0.00200	0.0400	0	101	50	158			
Di-n-octyl phthalate	0.0451	0.00600	0.0400	0	113	10	146			
1,2-Diphenylhydrazine	0.0374	0.00200	0.0400	0	93.4	40	140			
Fluoranthene	0.0435	0.00200	0.0400	0	109	26	137			
Fluorene	0.0402	0.00200	0.0400	0	101	59	121			
Hexachlorocyclopentadiene	0.0363	0.00200	0.0400	0	90.7	8	130			
Indeno[1,2,3-cd]pyrene	0.0437	0.00200	0.0400	0	109	10	171			
Isophorone	0.0379	0.00200	0.0400	0	94.7	21	196			
Naphthalene	0.0354	0.00200	0.0400	0	88.6	21	133			
N-Nitrosodimethylamine	0.0184	0.00200	0.0400	0	46.1	10	125			
N-Nitrosodi-n-propylamine	0.0407	0.00200	0.0400	0	102	10	230			
N-Nitrosodiphenylamine	0.0399	0.00200	0.0400	0	99.7	20	125			
Pyrene	0.0415	0.00200	0.0400	0	104	52	120			
1,2,4-Trichlorobenzene	0.0347	0.00200	0.0400	0	86.9	44	142			
Surr: 2,4,6-Tribromophenol	81.8		80.00		102	10	123			
Surr: 2-Fluorobiphenyl	70.6		80.00		88.2	43	116			
Surr: 2-Fluorophenol	53.6		80.00		67.0	21	100			
Surr: 4-Terphenyl-d14	74.2		80.00		92.8	33	141			
Surr: Nitrobenzene-d5	78.6		80.00		98.3	35	115			
Surr: Phenol-d5	35.4		80.00		44.2	10	94			

Sample ID: **LCSD-117687** Batch ID: **117687** TestNo: **E625.1** Units: **mg/L**
SampType: **LCSD** Run ID: **GCMS9_241024B** Analysis Date: **10/24/2024 4:14:00 PM** Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	0.0163	0.00400	0.0400	0	40.8	5	125	3.75	50	
Benzo[a]anthracene	0.0388	0.00200	0.0400	0	97.0	33	143	2.04	50	
Benzo[a]pyrene	0.0423	0.00200	0.0400	0	106	17	163	3.21	50	
Chrysene	0.0415	0.00200	0.0400	0	104	17	168	1.48	50	
2,4-Dimethylphenol	0.0386	0.00200	0.0400	0	96.6	32	120	0.623	50	
4,6-Dinitro-o-cresol	0.0460	0.00400	0.0400	0	115	10	181	0.434	50	
m,p-Cresols	0.0333	0.00400	0.0400	0	83.2	10	125	3.61	50	
o-Cresol	0.0338	0.00400	0.0400	0	84.4	25	125	0.708	50	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_241024B

Sample ID: **LCSD-117687**	Batch ID: **117687**	TestNo: **E625.1**	Units: **mg/L**
SampType: **LCSD**	Run ID: **GCMS9_241024B**	Analysis Date: **10/24/2024 4:14:00 PM**	Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
p-Chloro-m-Cresol	0.0395	0.00400	0.0400	0	98.9	22	147	1.11	50	
Hexachlorobenzene	0.0367	0.00200	0.0400	0	91.7	10	152	0.760	50	
Hexachlorobutadiene	0.0326	0.00200	0.0400	0	81.6	24	120	2.23	50	
Hexachloroethane	0.0353	0.00200	0.0400	0	88.2	40	120	0.056	50	
Nitrobenzene	0.0399	0.00200	0.0400	0	99.9	35	180	0	50	
N-Nitrosodiethylamine	0.0373	0.00400	0.0400	0	93.4	20	125	1.78	50	
N-Nitrosodi-n-butylamine	0.0442	0.00400	0.0400	0	110	20	125	0.635	50	
Pentachlorobenzene	0.0376	0.00200	0.0400	0	93.9	40	140	0.480	50	
Pentachlorophenol	0.0372	0.00200	0.0400	0	93.0	14	176	0.053	50	
Phenanthrene	0.0365	0.00200	0.0400	0	91.4	54	120	1.25	39	
Pyridine	0.0188	0.00200	0.0400	0	47.1	10	75	2.31	50	
1,2,4,5-Tetrachlorobenzene	0.0364	0.00200	0.0400	0	91.0	30	140	0.717	50	
2,4,5-Trichlorophenol	0.0423	0.00200	0.0400	0	106	25	125	0.894	50	
2-Chlorophenol	0.0353	0.00200	0.0400	0	88.3	23	134	0	50	
2,4-Dichlorophenol	0.0406	0.00200	0.0400	0	101	39	135	0.049	50	
2,4-Dinitrophenol	0.0382	0.00400	0.0400	0	95.6	10	191	0.209	50	
2-Nitrophenol	0.0416	0.00200	0.0400	0	104	29	182	0.626	50	
4-Nitrophenol	0.0290	0.00400	0.0400	0	72.6	10	132	1.84	50	
Phenol	0.0187	0.00200	0.0400	0	46.8	5	120	6.00	50	
2,4,6-Trichlorophenol	0.0424	0.00200	0.0400	0	106	37	144	0.985	50	
Acenaphthene	0.0384	0.00200	0.0400	0	96.0	47	145	0.575	48	
Acenaphthylene	0.0367	0.00200	0.0400	0	91.9	33	145	0.109	50	
Anthracene	0.0381	0.00200	0.0400	0	95.2	27	133	0.262	50	
Benzo[b]fluoranthene	0.0414	0.00200	0.0400	0	103	24	159	1.53	50	
Benzo[g,h,i]perylene	0.0439	0.00200	0.0400	0	110	10	219	2.74	50	
Benzo[k]fluoranthene	0.0390	0.00200	0.0400	0	97.6	11	162	4.41	50	
Bis(2-chloroethoxy)methane	0.0382	0.00200	0.0400	0	95.4	33	184	0.631	50	
Bis(2-chloroethyl)ether	0.0393	0.00200	0.0400	0	98.3	12	158	6.40	50	
Bis(2-chloroisopropyl)ether	0.0347	0.00200	0.0400	0	86.7	36	166	0.869	50	
Bis(2-ethylhexyl)phthalate	0.0493	0.00600	0.0400	0	123	10	158	3.47	50	
4-Bromophenyl phenyl ether	0.0378	0.00200	0.0400	0	94.6	53	127	0.159	43	
Butyl benzyl phthalate	0.0458	0.00600	0.0400	0	115	10	152	1.47	50	
2-Chloronaphthalene	0.0382	0.00200	0.0400	0	95.4	60	120	1.74	24	
4-Chlorophenyl phenyl ether	0.0386	0.00200	0.0400	0	96.6	25	158	0.780	50	
Dibenz[a,h]anthracene	0.0429	0.00200	0.0400	0	107	10	125	3.21	50	
3,3'-Dichlorobenzidine	0.0399	0.00500	0.0400	0	99.8	10	262	4.83	50	
Diethyl phthalate	0.0407	0.00600	0.0400	0	102	10	120	0.686	50	
Dimethyl phthalate	0.0396	0.00600	0.0400	0	99.1	10	120	1.45	50	
Di-n-butyl phthalate	0.0457	0.00600	0.0400	0	114	10	120	0.524	47	
2,4-Dinitrotoluene	0.0401	0.00200	0.0400	0	100	39	139	1.19	42	
2,6-Dinitrotoluene	0.0398	0.00200	0.0400	0	99.6	50	158	1.74	48	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_241024B

Sample ID: **LCSD-117687**	Batch ID: **117687**	TestNo: **E625.1**	Units: **mg/L**
SampType: **LCSD**	Run ID: **GCMS9_241024B**	Analysis Date: **10/24/2024 4:14:00 PM**	Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	0.0437	0.00600	0.0400	0	109	10	146	3.20	50	
1,2-Diphenylhydrazine	0.0369	0.00200	0.0400	0	92.4	40	140	1.13	50	
Fluoranthene	0.0438	0.00200	0.0400	0	109	26	137	0.550	50	
Fluorene	0.0405	0.00200	0.0400	0	101	59	121	0.645	38	
Hexachlorocyclopentadiene	0.0381	0.00200	0.0400	0	95.4	8	130	5.00	50	
Indeno[1,2,3-cd]pyrene	0.0424	0.00200	0.0400	0	106	10	171	3.02	50	
Isophorone	0.0385	0.00200	0.0400	0	96.4	21	196	1.73	50	
Naphthalene	0.0354	0.00200	0.0400	0	88.5	21	133	0.056	50	
N-Nitrosodimethylamine	0.0185	0.00200	0.0400	0	46.3	10	125	0.433	50	
N-Nitrosodi-n-propylamine	0.0407	0.00200	0.0400	0	102	10	230	0.197	50	
N-Nitrosodiphenylamine	0.0395	0.00200	0.0400	0	98.9	20	125	0.856	50	
Pyrene	0.0411	0.00200	0.0400	0	103	52	120	1.06	49	
1,2,4-Trichlorobenzene	0.0350	0.00200	0.0400	0	87.4	44	142	0.631	50	
Surr: 2,4,6-Tribromophenol	81.4		80.00		102	10	123	0	0	
Surr: 2-Fluorobiphenyl	72.2		80.00		90.3	43	116	0	0	
Surr: 2-Fluorophenol	53.4		80.00		66.8	21	100	0	0	
Surr: 4-Terphenyl-d14	73.2		80.00		91.5	33	141	0	0	
Surr: Nitrobenzene-d5	79.6		80.00		99.5	35	115	0	0	
Surr: Phenol-d5	33.8		80.00		42.2	10	94	0	0	

Sample ID: **MB-117687**	Batch ID: **117687**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS9_241024B**	Analysis Date: **10/24/2024 6:50:00 PM**	Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzidine	<0.00100	0.00400								
Benzo[a]anthracene	<0.00100	0.00200								
Benzo[a]pyrene	<0.00100	0.00200								
Chrysene	<0.00100	0.00200								
2,4-Dimethylphenol	<0.00100	0.00200								
4,6-Dinitro-o-cresol	<0.00200	0.00400								
m,p-Cresols	<0.00200	0.00400								
o-Cresol	<0.00200	0.00400								
p-Chloro-m-Cresol	<0.00200	0.00400								
Hexachlorobenzene	<0.00100	0.00200								
Hexachlorobutadiene	<0.00100	0.00200								
Hexachloroethane	<0.00100	0.00200								
Nitrobenzene	<0.00100	0.00200								
N-Nitrosodiethylamine	<0.00200	0.00400								
N-Nitrosodi-n-butylamine	<0.00100	0.00400								
Pentachlorobenzene	<0.00100	0.00200								
Pentachlorophenol	<0.00100	0.00200								

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_241024B

Sample ID: **MB-117687**	Batch ID: **117687**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS9_241024B**	Analysis Date: **10/24/2024 6:50:00 PM**	Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Phenanthrene	<0.00100	0.00200								
Pyridine	<0.00100	0.00200								
1,2,4,5-Tetrachlorobenzene	<0.00100	0.00200								
2,4,5-Trichlorophenol	<0.00100	0.00200								
2-Chlorophenol	<0.00100	0.00200								
2,4-Dichlorophenol	<0.00100	0.00200								
2,4-Dinitrophenol	<0.00200	0.00400								
2-Nitrophenol	<0.00100	0.00200								
4-Nitrophenol	<0.00200	0.00400								
Phenol	<0.00100	0.00200								
2,4,6-Trichlorophenol	<0.00100	0.00200								
Acenaphthene	<0.00100	0.00200								
Acenaphthylene	<0.00100	0.00200								
Anthracene	<0.00100	0.00200								
Benzo[b]fluoranthene	<0.00100	0.00200								
Benzo[g,h,i]perylene	<0.00100	0.00200								
Benzo[k]fluoranthene	<0.00100	0.00200								
Bis(2-chloroethoxy)methane	<0.00100	0.00200								
Bis(2-chloroethyl)ether	<0.00100	0.00200								
Bis(2-chloroisopropyl)ether	<0.00100	0.00200								
Bis(2-ethylhexyl)phthalate	<0.00300	0.00600								
4-Bromophenyl phenyl ether	<0.00100	0.00200								
Butyl benzyl phthalate	<0.00300	0.00600								
2-Chloronaphthalene	<0.00100	0.00200								
4-Chlorophenyl phenyl ether	<0.00100	0.00200								
Dibenz[a,h]anthracene	<0.00100	0.00200								
3,3'-Dichlorobenzidine	<0.00100	0.00500								
Diethyl phthalate	<0.00300	0.00600								
Dimethyl phthalate	<0.00300	0.00600								
Di-n-butyl phthalate	<0.00300	0.00600								
2,4-Dinitrotoluene	<0.00100	0.00200								
2,6-Dinitrotoluene	<0.00100	0.00200								
Di-n-octyl phthalate	<0.00300	0.00600								
1,2-Diphenylhydrazine	<0.00100	0.00200								
Fluoranthene	<0.00100	0.00200								
Fluorene	<0.00100	0.00200								
Hexachlorocyclopentadiene	<0.00100	0.00200								
Indeno[1,2,3-cd]pyrene	<0.00100	0.00200								
Isophorone	<0.00100	0.00200								
Naphthalene	<0.00100	0.00200								
N-Nitrosodimethylamine	<0.00100	0.00200								

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_241024B

Sample ID: **MB-117687**	Batch ID: **117687**	TestNo: **E625.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS9_241024B**	Analysis Date: **10/24/2024 6:50:00 PM**	Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	<0.00100	0.00200								
N-Nitrosodiphenylamine	<0.00100	0.00200								
Pyrene	<0.00100	0.00200								
1,2,4-Trichlorobenzene	<0.00100	0.00200								
Surr: 2,4,6-Tribromophenol	83.2		80.00		104	10	123			
Surr: 2-Fluorobiphenyl	71.8		80.00		89.8	43	116			
Surr: 2-Fluorophenol	47.4		80.00		59.2	21	100			
Surr: 4-Terphenyl-d14	70.8		80.00		88.5	33	141			
Surr: Nitrobenzene-d5	77.2		80.00		96.5	35	115			
Surr: Phenol-d5	30.2		80.00		37.8	10	94			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_241024C

The QC data in batch 117687 applies to the following samples: 2410204-01B

Sample ID: **LCS-117687-NP** Batch ID: **117687** TestNo: **D7065-17** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS9_241024C** Analysis Date: **10/24/2024 6:28:00 PM** Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	0.945	0.100	1.00	0	94.5	40	140			N

Sample ID: **MB-117687** Batch ID: **117687** TestNo: **D7065-17** Units: **mg/L**
SampType: **MBLK** Run ID: **GCMS9_241024C** Analysis Date: **10/24/2024 6:50:00 PM** Prep Date: **10/24/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nonylphenol	<0.0700	0.100								N

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_241023C

The QC data in batch 117681 applies to the following samples: 2410204-02A

Sample ID: **LCS-117681** Batch ID: **117681** TestNo: **E624.1** Units: **mg/L**
SampType: **LCS** Run ID: **GCMS5_241023C** Analysis Date: **10/23/2024 1:14:00 PM** Prep Date: **10/23/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0221	0.00100	0.0232	0	95.1	65	135			
Carbon tetrachloride	0.0207	0.00100	0.0232	0	89.1	70	130			
Chlorobenzene	0.0211	0.00100	0.0232	0	91.0	35	135			
Chloroform	0.0213	0.00100	0.0232	0	91.7	70	135			
Chlorodibromomethane	0.0212	0.00100	0.0232	0	91.2	70	135			
1,2-Dibromoethane	0.0212	0.00100	0.0232	0	91.3	60	140			
1,2-Dichloroethane	0.0215	0.00100	0.0232	0	92.6	70	130			
1,1-Dichloroethene	0.0209	0.00100	0.0232	0	90.0	50	150			
Methyl ethyl ketone	0.134	0.0150	0.116	0	115	60	140			
Tetrachloroethene	0.0216	0.00200	0.0232	0	93.1	70	130			
Trichloroethene	0.0207	0.00100	0.0232	0	89.3	65	135			
1,1,1-Trichloroethane	0.0204	0.00100	0.0232	0	87.7	70	130			
TTHM (Total Trihalomethanes)	0.0842	0.00100	0.0928	0	90.8	60	140			
Vinyl chloride	0.0259	0.00100	0.0232	0	112	5	195			
Acrolein	0.0659	0.0150	0.0580	0	114	60	140			
Acrylonitrile	0.0470	0.00300	0.0464	0	101	60	140			
1,1,2,2-Tetrachloroethane	0.0220	0.00100	0.0232	0	94.9	60	140			
Bromoform	0.0207	0.00100	0.0232	0	89.2	65	135			
Chloroethane	0.0216	0.00500	0.0232	0	93.2	40	160			
2-Chloroethylvinylether	0.0249	0.0100	0.0232	0	107	5	225			
Bromodichloromethane	0.0211	0.00100	0.0232	0	90.9	65	135			
1,1-Dichloroethane	0.0238	0.00100	0.0232	0	103	70	130			
1,2-Dichloropropane	0.0241	0.00100	0.0232	0	104	35	165			
1,3-Dichloropropene (cis)	0.0220	0.00100	0.0232	0	94.8	25	175			
1,3-Dichloropropene (trans)	0.0214	0.00100	0.0232	0	92.3	50	150			
Ethylbenzene	0.0209	0.00100	0.0232	0	90.2	60	140			
Methyl bromide	0.0141	0.00500	0.0232	0	60.8	15	185			
Methyl chloride	0.0330	0.00500	0.0232	0	142	5	205			
Methylene chloride (DCM)	0.0208	0.00500	0.0232	0	89.7	60	140			
Toluene	0.0211	0.00200	0.0232	0	91.0	70	130			
trans-1,2-Dichloroethylene	0.0213	0.00200	0.0232	0	91.7	70	130			
1,1,2-Trichloroethane	0.0209	0.00100	0.0232	0	89.9	70	130			
1,2-Dichlorobenzene	0.0225	0.00100	0.0232	0	96.9	65	135			
1,3-Dichlorobenzene	0.0218	0.00100	0.0232	0	93.9	70	130			
1,4-Dichlorobenzene	0.0219	0.00100	0.0232	0	94.2	65	135			
Surr: 1,2-Dichloroethane-d4	205		200.0		102	72	119			
Surr: 4-Bromofluorobenzene	205		200.0		103	76	119			
Surr: Dibromofluoromethane	194		200.0		97.2	85	115			
Surr: Toluene-d8	207		200.0		104	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_241023C

Sample ID: **MB-117681**	Batch ID: **117681**	TestNo: **E624.1**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GCMS5_241023C**	Analysis Date: **10/23/2024 2:15:00 PM**	Prep Date: **10/23/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	<0.000300	0.00100								
Carbon tetrachloride	<0.000300	0.00100								
Chlorobenzene	<0.000300	0.00100								
Chloroform	<0.000300	0.00100								
Chlorodibromomethane	<0.000300	0.00100								
1,2-Dibromoethane	<0.000300	0.00100								
1,2-Dichloroethane	<0.000300	0.00100								
1,1-Dichloroethene	<0.000300	0.00100								
Methyl ethyl ketone	<0.00500	0.0150								
Tetrachloroethene	<0.000600	0.00200								
Trichloroethene	<0.000600	0.00100								
1,1,1-Trichloroethane	<0.000300	0.00100								
TTHM (Total Trihalomethanes)	<0.000300	0.00100								
Vinyl chloride	<0.000300	0.00100								
Acrolein	<0.00500	0.0150								
Acrylonitrile	<0.00100	0.00300								
1,1,2,2-Tetrachloroethane	<0.000300	0.00100								
Bromoform	<0.000300	0.00100								
Chloroethane	<0.00100	0.00500								
2-Chloroethylvinylether	<0.00600	0.0100								
Bromodichloromethane	<0.000300	0.00100								
1,1-Dichloroethane	<0.000300	0.00100								
1,2-Dichloropropane	<0.000300	0.00100								
1,3-Dichloropropene (cis)	<0.000300	0.00100								
1,3-Dichloropropene (trans)	<0.000300	0.00100								
Ethylbenzene	<0.000300	0.00100								
Methyl bromide	<0.00100	0.00500								
Methyl chloride	<0.00100	0.00500								
Methylene chloride (DCM)	<0.00250	0.00500								
Toluene	<0.000600	0.00200								
trans-1,2-Dichloroethylene	<0.000300	0.00200								
1,1,2-Trichloroethane	<0.000300	0.00100								
1,2-Dichlorobenzene	<0.000300	0.00100								
1,3-Dichlorobenzene	<0.000300	0.00100								
1,4-Dichlorobenzene	<0.000300	0.00100								
Surr: 1,2-Dichloroethane-d4	202		200.0		101	72	119			
Surr: 4-Bromofluorobenzene	213		200.0		107	76	119			
Surr: Dibromofluoromethane	195		200.0		97.6	85	115			
Surr: Toluene-d8	219		200.0		109	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_241023C

Sample ID: **2410196-13AMS**	Batch ID: **117681**	TestNo: **E624.1**	Units: **mg/L**
SampType: **MS**	Run ID: **GCMS5_241023C**	Analysis Date: **10/23/2024 9:08:00 PM**	Prep Date: **10/23/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0247	0.00100	0.0232	0	106	37	151			
Carbon tetrachloride	0.0229	0.00100	0.0232	0	98.6	70	140			
Chlorobenzene	0.0235	0.00100	0.0232	0	101	37	160			
Chloroform	0.0239	0.00100	0.0232	0	103	51	138			
Chlorodibromomethane	0.0227	0.00100	0.0232	0	97.8	53	149			
1,2-Dibromoethane	0.0204	0.00100	0.0232	0	88.1	40	160			
1,2-Dichloroethane	0.0231	0.00100	0.0232	0	99.4	49	155			
1,1-Dichloroethene	0.0225	0.00100	0.0232	0	97.2	10	234			
Methyl ethyl ketone	0.103	0.0150	0.116	0	88.7	40	160			
Tetrachloroethene	0.0231	0.00200	0.0232	0	99.5	64	148			
Trichloroethene	0.0222	0.00100	0.0232	0	95.6	70	157			
1,1,1-Trichloroethane	0.0225	0.00100	0.0232	0	96.8	52	162			
TTHM (Total Trihalomethanes)	0.0902	0.00100	0.0928	0	97.2	40	160			
Vinyl chloride	0.0296	0.00100	0.0232	0	128	10	251			
Acrolein	0.0396	0.0150	0.0580	0	68.4	40	160			
Acrylonitrile	0.0414	0.00300	0.0464	0	89.2	40	160			
1,1,2,2-Tetrachloroethane	0.0216	0.00100	0.0232	0	92.9	46	157			
Bromoform	0.0192	0.00100	0.0232	0	82.9	45	169			
Chloroethane	0.0243	0.00500	0.0232	0	105	14	230			
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273			S
Bromodichloromethane	0.0244	0.00100	0.0232	0	105	35	155			
1,1-Dichloroethane	0.0268	0.00100	0.0232	0	116	59	155			
1,2-Dichloropropane	0.0273	0.00100	0.0232	0	118	10	210			
1,3-Dichloropropene (cis)	0.0221	0.00100	0.0232	0	95.1	10	227			
1,3-Dichloropropene (trans)	0.0219	0.00100	0.0232	0	94.5	17	183			
Ethylbenzene	0.0231	0.00100	0.0232	0	99.6	37	162			
Methyl bromide	0.0158	0.00500	0.0232	0	68.0	10	242			
Methyl chloride	0.0386	0.00500	0.0232	0	166	5	273			
Methylene chloride (DCM)	0.0239	0.00500	0.0232	0	103	10	221			
Toluene	0.0234	0.00200	0.0232	0	101	47	150			
trans-1,2-Dichloroethylene	0.0231	0.00200	0.0232	0	99.5	54	156			
1,1,2-Trichloroethane	0.0219	0.00100	0.0232	0	94.4	52	150			
1,2-Dichlorobenzene	0.0235	0.00100	0.0232	0	101	18	190			
1,3-Dichlorobenzene	0.0238	0.00100	0.0232	0	102	59	156			
1,4-Dichlorobenzene	0.0235	0.00100	0.0232	0	101	18	190			
Surr: 1,2-Dichloroethane-d4	187		200.0		93.5	72	119			
Surr: 4-Bromofluorobenzene	206		200.0		103	76	119			
Surr: Dibromofluoromethane	197		200.0		98.6	85	115			
Surr: Toluene-d8	205		200.0		102	81	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_241023C

Sample ID: **2410196-13AMSD**	Batch ID: **117681**	TestNo: **E624.1**	Units: **mg/L**
SampType: **MSD**	Run ID: **GCMS5_241023C**	Analysis Date: **10/23/2024 9:33:00 PM**	Prep Date: **10/23/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0258	0.00100	0.0232	0	111	37	151	4.64	40	
Carbon tetrachloride	0.0238	0.00100	0.0232	0	103	70	140	3.92	40	
Chlorobenzene	0.0243	0.00100	0.0232	0	105	37	160	3.26	40	
Chloroform	0.0247	0.00100	0.0232	0	106	51	138	3.18	40	
Chlorodibromomethane	0.0209	0.00100	0.0232	0	90.0	53	149	8.33	40	
1,2-Dibromoethane	0.0183	0.00100	0.0232	0	78.7	40	160	11.3	40	
1,2-Dichloroethane	0.0216	0.00100	0.0232	0	92.9	49	155	6.78	40	
1,1-Dichloroethene	0.0233	0.00100	0.0232	0	100	10	234	3.21	32	
Methyl ethyl ketone	0.0828	0.0150	0.116	0	71.4	40	160	21.6	40	
Tetrachloroethene	0.0235	0.00200	0.0232	0	101	64	148	1.94	39	
Trichloroethene	0.0231	0.00100	0.0232	0	99.5	70	157	4.03	40	
1,1,1-Trichloroethane	0.0232	0.00100	0.0232	0	99.8	52	162	3.08	36	
TTHM (Total Trihalomethanes)	0.0861	0.00100	0.0928	0	92.8	40	160	4.68	40	
Vinyl chloride	0.0303	0.00100	0.0232	0	131	10	251	2.26	40	
Acrolein	0.0314	0.0150	0.0580	0	54.1	40	160	23.2	40	
Acrylonitrile	0.0315	0.00300	0.0464	0	67.9	40	160	27.1	40	
1,1,2,2-Tetrachloroethane	0.0188	0.00100	0.0232	0	81.1	46	157	13.6	40	
Bromoform	0.0164	0.00100	0.0232	0	70.7	45	169	15.8	40	
Chloroethane	0.0244	0.00500	0.0232	0	105	14	230	0.567	40	
2-Chloroethylvinylether	<0.00600	0.0100	0.0232	0	0	5	273	0	40	S
Bromodichloromethane	0.0241	0.00100	0.0232	0	104	35	155	1.07	40	
1,1-Dichloroethane	0.0277	0.00100	0.0232	0	119	59	155	3.02	40	
1,2-Dichloropropane	0.0282	0.00100	0.0232	0	122	10	210	3.20	40	
1,3-Dichloropropene (cis)	0.0220	0.00100	0.0232	0	95.0	10	227	0.090	40	
1,3-Dichloropropene (trans)	0.0205	0.00100	0.0232	0	88.3	17	183	6.73	40	
Ethylbenzene	0.0237	0.00100	0.0232	0	102	37	162	2.62	40	
Methyl bromide	0.0167	0.00500	0.0232	0	71.8	10	242	5.44	40	
Methyl chloride	0.0399	0.00500	0.0232	0	172	5	273	3.38	40	
Methylene chloride (DCM)	0.0248	0.00500	0.0232	0	107	10	221	3.87	28	
Toluene	0.0243	0.00200	0.0232	0	105	47	150	3.61	40	
trans-1,2-Dichloroethylene	0.0242	0.00200	0.0232	0	104	54	156	4.87	40	
1,1,2-Trichloroethane	0.0199	0.00100	0.0232	0	85.7	52	150	9.70	40	
1,2-Dichlorobenzene	0.0232	0.00100	0.0232	0	99.8	18	190	1.32	40	
1,3-Dichlorobenzene	0.0251	0.00100	0.0232	0	108	59	156	5.36	40	
1,4-Dichlorobenzene	0.0245	0.00100	0.0232	0	106	18	190	4.06	40	
Surr: 1,2-Dichloroethane-d4	179		200.0		89.5	72	119	0	0	
Surr: 4-Bromofluorobenzene	216		200.0		108	76	119	0	0	
Surr: Dibromofluoromethane	193		200.0		96.4	85	115	0	0	
Surr: Toluene-d8	204		200.0		102	81	120	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

CLIENT: Pollution Control Services
Work Order: 2410204
Project: PCS 779075

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_241028C

The QC data in batch 117728 applies to the following samples: 2410204-02B

Sample ID: **MB-117728**	Batch ID: **117728**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_241028C**	Analysis Date: **10/28/2024 5:07:00 PM**	Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Amenable to Chlorination	<0.0100	0.0200								
Cyanide, Total	<0.0100	0.0200								

Sample ID: **LCS-117728**	Batch ID: **117728**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_241028C**	Analysis Date: **10/28/2024 5:08:00 PM**	Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.186	0.0200	0.2000	0	92.9	85	115			

Sample ID: **2410238-01AMS**	Batch ID: **117728**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MS**	Run ID: **UV/VIS_2_241028C**	Analysis Date: **10/28/2024 5:08:00 PM**	Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.168	0.0200	0.2000	0	84.0	79	114			

Sample ID: **2410238-01AMSD**	Batch ID: **117728**	TestNo: **M4500-CN E**	Units: **mg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_241028C**	Analysis Date: **10/28/2024 5:09:00 PM**	Prep Date: **10/28/2024**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Cyanide, Total	0.177	0.0200	0.2000	0	88.6	79	114	5.43	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAP certified

Pollution Control Services
Sample Log-In Checklist 779075

PCS Sample No(s) 779075 779076 **COC No.** _____

Client/Company Name: Uvalde **Checklist Completed by:** LMW

Sample Delivery to Lab Via:
Client Drop Off ✓ Commercial Carrier: Bus ____ UPS ____ Lone Star ____ FedEx ____ USPS ____
PCS Field Services: Collection/Pick Up____ Other: _____

Sample Kit/Coolers
Sample Kit/Cooler? Yes ✓ No____ Sample Kit/Cooler: Intact? Yes ✓ No___
Custody Seals on Sample Kit/Cooler: Not Present ✓ If Present, Intact ___ Broken ___
Sample Containers Intact; Unbroken and Not Leaking? Yes ✓ No ___
Custody Seals on Sample Bottles: Not Present ✓ If Present, Intact ___ Broken ___
COC Present with Shipment or Delivery or Completed at Drop Off? Yes ✓ No ___
Has COC sample date/time and other pertinent information been provided by client/sampler? Yes: ✓ No: ___
Has COC been properly Signed when Received/Relinquished? Yes ✓ No ___
Does COC agree with Sample Bottle Information, Bottle Types, Preservation, etc.? Yes ✓ No ___
All Samples Received before Hold Time Expiration? Yes ✓ No ___
Sufficient Sample Volumes for Analysis Requested? Yes ✓ No ___
Zero Headspace in VOA Vial? Yes ___ No ___

Sample Preservation:
* ***Cooling:*** **Not Required** _____ or **Required** ✓
If cooling required, record temperature of submitted samples Observed/Corrected 7 / 4 °C
Is Ice Present in Sample Kit/Cooler? ✓ Yes ____ No Samples received same day as collected? ✓ Yes ____ No
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? **Yes** ✓ **No** ___ ** ✓ H_2SO_4 ✓ HNO_3 ____ H_3PO_4
Base Preserved Sample - If present, is pH >12? Yes ✓ No ___ ✓ NaOH
Other Preservation:_____ If Present, Meets Requirements? Yes____ No____
Sample Preservations Checked by: LMW Date 10-22-24 Time 1050
pH paper used to check sample preservation (PCS log #): 24.131 (HEM pH checked at analysis).

Samples Preserved/Adjusted by Lab:	Lab #	Parameters Preserved	Preservative Used	Log #

Adjusted by Tech/Analyst:_____ Date :_____Time:_____

Client Notification/ Documentation for "No" Responses Above/ Discrepancies/ RevisionComments
Person Notified: _____ Contacted by:_____
Notified Date: _____Time: _____
Method of Contact: At Drop Off:____ Phone ___ Left Voice Mail ____ E-Mail ____ Fax ____
Unable to Contact____ Authorized Laboratory to Proceed :_____(Lab Director)
Regarding / Comments:_____
_____
_____
Actions taken to correct problems/discrepancies:_____
_____
_____
Receiving qualifier needed (*requires client notification above*) Temp. ___ Holding Time ___ Initails: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: _____
_____

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

The following **is required** for facilities with a current operating design flow of**1.0 MGD or greater**, with an EPA-approved **pretreatment** program (or those required to have one under 40 CFR Part 403), or are required to perform Whole Effluent Toxicity testing. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

Indicate the number of 7-day chronic or 48-hour acute Whole Effluent Toxicity (WET) tests performed in the four and one-half years prior to submission of the application.

7-day Chronic: see Section 3

48-hour Acute: see Section 3

Section 2. Toxicity Reduction Evaluations (TREs)

Has this facility completed a TRE in the past four and a half years? Or is the facility currently performing a TRE?

☐ Yes ☒ No

If yes, describe the progress to date, if applicable, in identifying and confirming the toxicant.

Click to enter text.

Summary of Submitted Test Information Section #3
for Permit Application

If the required biomonitoring test information has been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table Is (as found in the permit), Part 2 need not be completed. Instead, a summary of the testing results for all valid tests performed over the past four and one-half years should be submitted instead. The summary should be in the format similar to the table below, include the test species, the dated the test was initiated, the NOEC for survival and sublethal effects (for a chronic test).

Permittee: Uvalde, City of - Uvalde WRC
Permit No.: WQ0010306001
Outfall No.: 001

Test No.	Test Date	Test Specie	NOEC Survival	NOEC Sublethal or LC50
75386	2/4/2020	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
75381	2/4/2020	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
76775	6/2/2020	*Ceriodaphnia dubia*	45	45
		Pimephales promelas	80	80
76978	7/14/2020	*Ceriodaphnia dubia*	80	80
75384	8/4/2020	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
75382	8/4/2020	*Ceriodaphnia dubia*	80	80
		Piimephales promelas	80	80
76979	9/15/2020	*Ceriodaphnia dubia*	80	80
75383	11/3/2020	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
79014	2/2/2021	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
79010	2/2/2021	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
79015	5/11/2021	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
79013	8/3/2021	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
79011	8/3/2021	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
79012	11/2/2021	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
82193	2/10/2022	*Daphnia pulex*	>100	
		Pimephales promelas	>100	

Summary of Submitted Test Information
for Permit Application

If the required biomonitoring test information has been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table Is (as found in the permit), Part 2 need not be completed. Instead, a summary of the testing results for all valid tests performed over the past four and one-half years should be submitted instead. The summary should be in the format similar to the table below, include the test species, the dated the test was initiated, the NOEC for survival and sublethal effects (for a chronic test).

Permittee: Uvalde, City of - Uvalde WRC
Permit No.: WQ0010306001
Outfall No.: 001

Test No.	Test Date	Test Specie	NOEC Survival	NOEC Sublethal or LC50
82189	2/10/2022	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
82194	5/10/2022	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
82192	8/9/2022	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
82190	8/9/2022	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
82191	11/8/2022	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
85618	3/21/2023	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
85614	3/21/2023	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
85619	5/9/2023	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
85617	8/8/2023	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
85615	8/8/2023	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
85616	11/7/2023	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80
91800	2/27/2024	*Daphnia pulex*	>100	
		Pimephales promelas	>100	
91796	2/27/2024	*Ceriodaphnia dubia*	80	80**
		Pimephales promelas	80	80
91801	5/14/2024	*Ceriodaphnia dubia*	80	80**
		Pimephales promelas	80	80
91799	8/15/2024	*Daphnia pulex*	>100	
		Pimephales promelas	>100	

Summary of Submitted Test Information
for Permit Application

If the required biomonitoring test information has been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table Is (as found in the permit), Part 2 need not be completed. Instead, a summary of the testing results for all valid tests performed over the past four and one-half years should be submitted instead. The summary should be in the format similar to the table below, include the test species, the dated the test was initiated, the NOEC for survival and sublethal effects (for a chronic test).

Permittee: Uvalde, City of - Uvalde WRC
Permit No.: WQ0010306001
Outfall No.: 001

Test No.	Test Date	Test Specie	NOEC Survival	NOEC Sublethal or LC50
91797	8/15/2024	*Ceriodaphnia dubia*	80	80
		Pimephales promelas	80	80

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: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 2

Average Daily Flows, in MGD: 0.05

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.

Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

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.

Click to enter text.

Section 3. Significant Industrial User (SIU) Information and

Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: None

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Telephone number: Click to enter text.

Email address: Click to enter text.

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).

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ 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: Click to enter text.

Click or tap here to enter text. Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

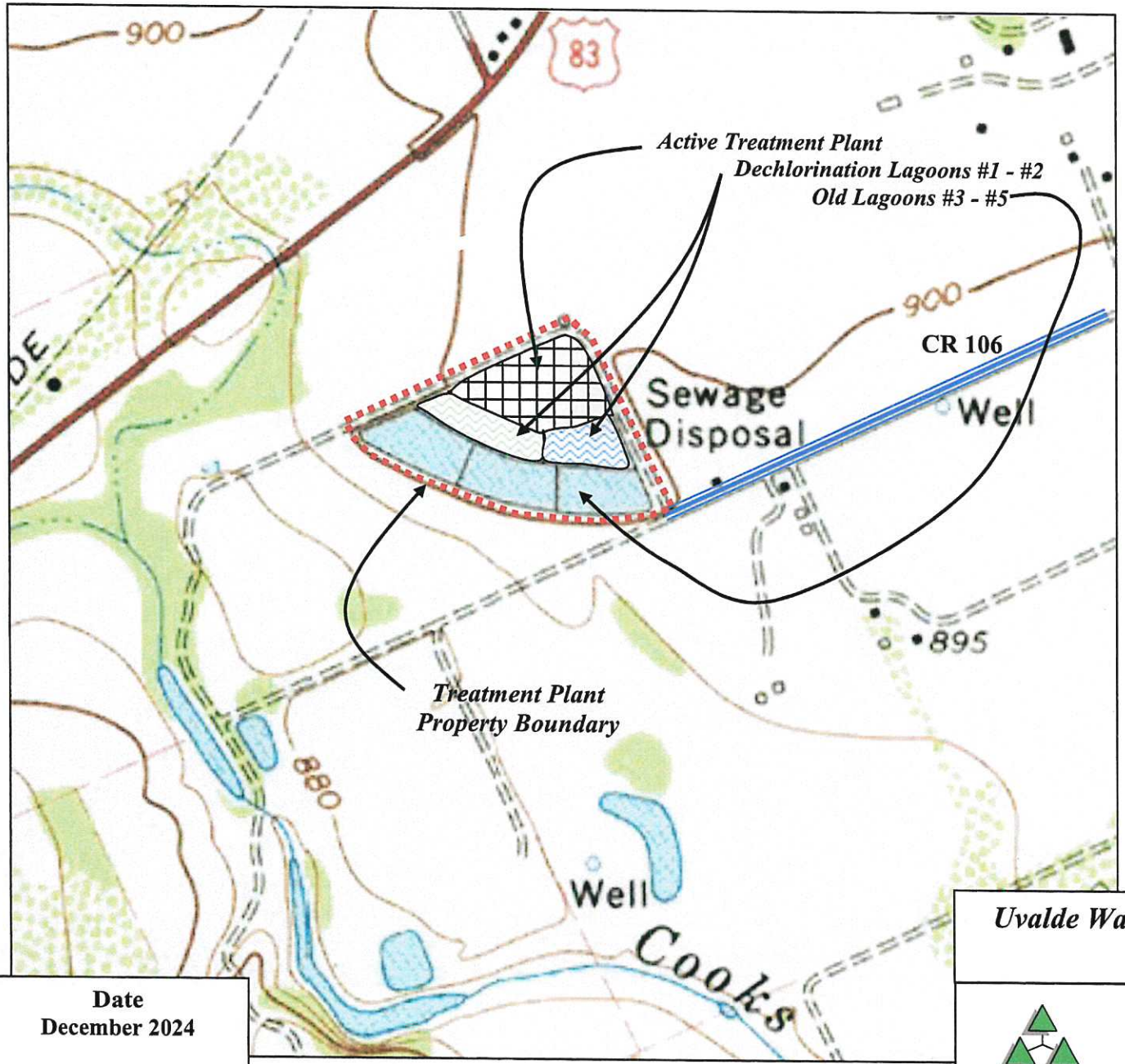
Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

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

Click to enter text.

Attachment "B"



N

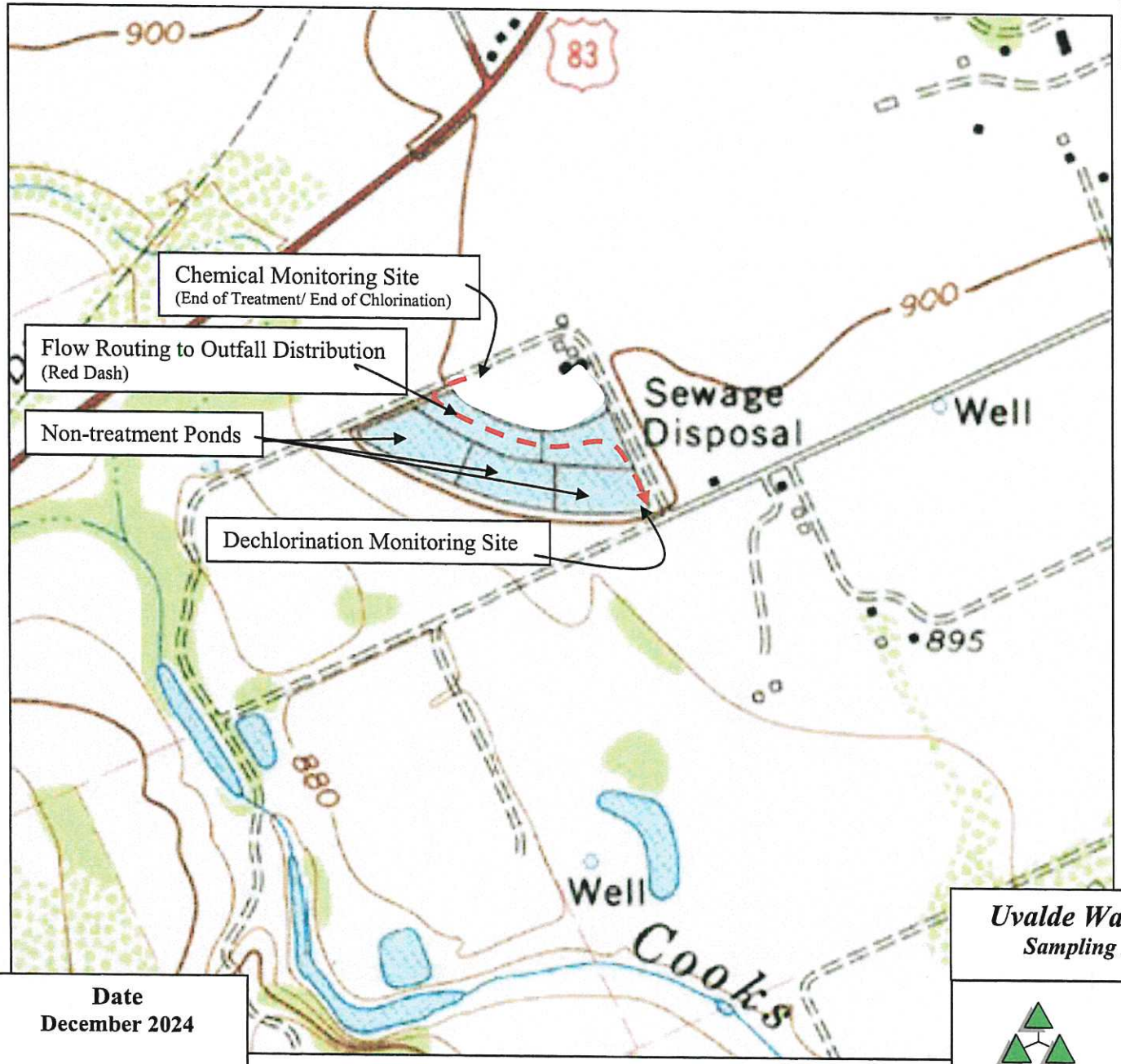
Approximate Scale = 1000'

Uvalde Wastewater Treatment Plant
Plant Boundaries

Date
December 2024

Kenneth M. Cave & Associates
P.O. Box 768 Leakey, TX 78873
210-414-3906

Attachment "E"



N

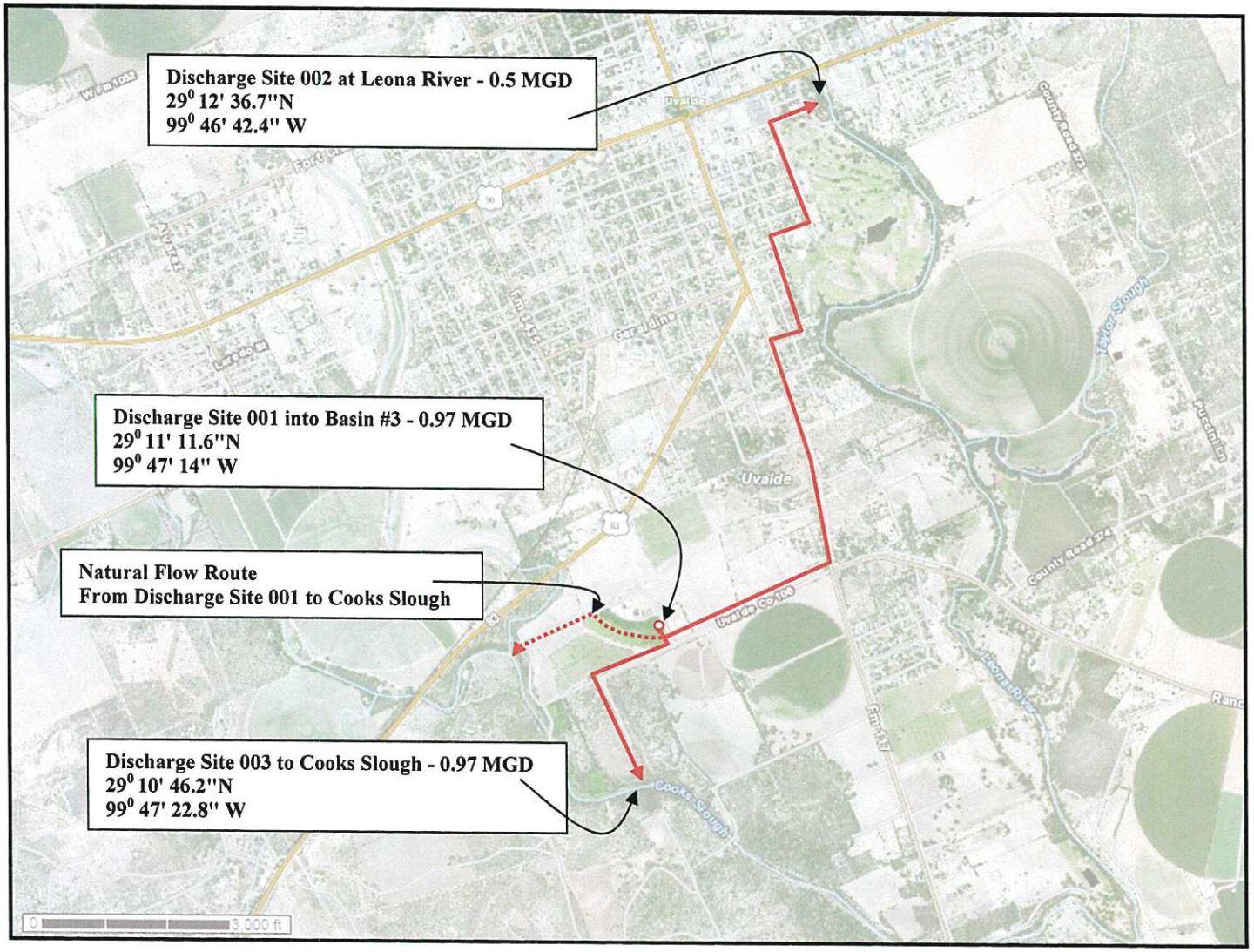
Approximate Scale = 1000'

Date
December 2024

Uvalde Wastewater Treatment Plant
Sampling Locations and Flow Routing

Kenneth M. Cave & Associates
P.O. Box 768 Leakey, TX 78873
210-414-3906

Attachment "D"



Date December 2024	*Uvalde Plant Outfall Locations*	*Kenneth M Cave & Associates* *P.O. Box 768 Leakey, TX 78873* *210-414-3906*

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Juan Zamora **Uvalde, City of** **P.O. Box 799** **Uvalde, TX 78801**	**Project Name: TCEQ Permit Renewal** **Sample ID: Effluent** **Matrix: Non-Potable Water** **Date/Time Taken: 10/22/2024 0800**	**PCS Sample #: 779075 Page 1 of 4** **Date/Time Received: 10/22/2024 10:26** **Report Date: 11/7/2024** **Approved by:** Chuck Wallgren, President

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
BOD5	4	mg/L	3	10/22/2024 13:58	SM 5210 B	GQM
Chloride_IC	159	mg/L	2	10/22/2024 21:05	EPA 300.0	JAS
Conductivity, Specific	1,021	µmhos/cm at 25° C	1	10/22/2024 15:36	SM 2510B	LCC
Nitrate-N_IC	2.3	mg/L	0.2	10/22/2024 21:05	EPA 300.0	JAS
Sulfate_IC	28	mg/L	2	10/22/2024 21:05	EPA 300.0	JAS
Total Dissolved Solids	596	mg/L	10	10/23/2024 14:25	SM 2540C	PML
Fluoride_IC	<0.2	mg/L	0.20	10/22/2024 21:05	EPA 300.0	JAS
Kjeldahl-N, Total	4	mg/L	1	10/25/2024 12:15	SM 4500-N B/C	BMR

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
BOD5	<1	23	N/A	N/A	N/A	N/A	187	167 - 228	
Chloride_IC	<1	10	95	97	97	102	105	85 - 115	
Conductivity, Specific	N/A	N/A	N/A			N/A			
Nitrate-N_IC	<1	20	70	102	102	130	104	85 - 115	
Sulfate_IC	<1	10	94	95	96	101	104	85 - 115	
Total Dissolved Solids	3	10	N/A	N/A	N/A	N/A			
Fluoride_IC	2	10	87	96	94	105	99	85 - 115	
Kjeldahl-N, Total	<1	10	90	99	99	109	106	85 - 115	<1

***Quality Statement:** All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.*

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits
QC Data Reported in %, Except BOD in mg/L

www.pcslab.net
chuck@pcslab.net
1532 Universal City Blvd
Universal City, TX 78148-3318
Main: 210-340-0343
Fax: 210-658-7903
This report cannot be reproduced or duplicated, except in full, without prior written consent from Pollution Control Services.

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Juan Zamora **Uvalde, City of** **P.O. Box 799** **Uvalde, TX 78801**	**Project Name: TCEQ Permit Renewal** **Sample ID: Effluent** **Matrix: Non-Potable Water** **Date/Time Taken: 10/22/2024 0800**	**PCS Sample #: 779075 Page 2 of 4** **Date/Time Received: 10/22/2024 10:26** **Report Date: 11/7/2024**

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Alkalinity, Total (@pH 4.5)	224	mg/L	10	10/23/2024 09:10	SM 2320 B	LCC
Arsenic/ICP MS	0.0006	mg/L	0.0005	11/01/2024 13:36	EPA 200.8	DJL
Barium/ICP (Total)	0.020	mg/L	0.010	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL
Cadmium/ICP (Total)	<0.001	mg/L	0.001	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL
Chromium/ICP (Total)	<0.003	mg/L	0.003	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL
Copper/ICP (Total)	<0.002	mg/L	0.002	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL
Lead/ICP MS	<0.0005	mg/L	0.0005	11/01/2024 13:36	EPA 200.8	DJL
Aluminum/ICP (Total)	0.016	mg/L	0.010	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Alkalinity, Total (@pH 4.5)	1	10	95	100	99	107	98	85 - 115	
Arsenic/ICP MS	<1	20	70	99	99	130	99	85 - 115	
Barium/ICP (Total)	<1	20	75	94	94	125	100	85 - 115	
Cadmium/ICP (Total)	1	20	75	98	97	125	100	85 - 115	
Chromium/ICP (Total)	<1	20	75	95	95	125	100	85 - 115	
Copper/ICP (Total)	<1	20	75	96	96	125	95	85 - 115	
Lead/ICP MS	3	20	70	84	82	130	101	85 - 115	
Aluminum/ICP (Total)	<1	20	75	100	100	125	100	85 - 115	

Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits

www.pcslab.net
chuck@pcslab.net

1532 Universal City Blvd
Universal City, TX 78148-3318

Main: 210-340-0343
Fax: 210-658-7903

This report cannot be reproduced or duplicated, except in full, without prior written consent from Pollution Control Services.

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Juan Zamora **Uvalde, City of** **P.O. Box 799** **Uvalde, TX 78801**	**Project Name: TCEQ Permit Renewal** **Sample ID: Effluent** **Matrix: Non-Potable Water** **Date/Time Taken: 10/22/2024 0800**	**PCS Sample #: 779075 Page 3 of 4** **Date/Time Received: 10/22/2024 10:26** **Report Date: 11/7/2024**

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Beryllium/ICP (Total)	<0.0005	mg/L	0.0005	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL
Trivalent Chromium	<0.003	mg/L	N/A	10/29/2024 08:39	Calculation	DJL
Hexavalent Chrome	<0.003	mg/L	0.003	10/22/2024 16:05	SM 3500-Cr B	DJL
Nickel/ICP (Total)	<0.002	mg/L	0.002	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL
Zinc/ICP (Total)	0.017	mg/L	0.010	10/29/2024 08:39	EPA 200.7 / 6010 B	DJL
Antimony/ICP MS	<0.005	mg/L	0.005	11/01/2024 13:36	EPA 200.8	DJL
Thallium/ICP MS	<0.0005	mg/L	0.0005	11/01/2024 13:36	EPA 200.8	DJL
Selenium/ICP MS	<0.005	mg/L	0.005	11/01/2024 13:36	EPA 200.8	DJL

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Beryllium/ICP (Total)	<1	20	75	99	99	125	105	85 - 115	
Trivalent Chromium	N/A	N/A	N/A			N/A			
Hexavalent Chrome	1	20	75	95	96	125	100	85 - 115	
Nickel/ICP (Total)	1	20	75	93	92	125	100	85 - 115	
Zinc/ICP (Total)	<1	20	75	96	96	125	100	85 - 115	
Antimony/ICP MS	<1	20	70	88	88	130	99	85 - 115	
Thallium/ICP MS	2	20	70	84	83	130	100	85 - 115	
Selenium/ICP MS	1	20	70	112	111	130	101	85 - 115	

Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits

www.pcslab.net
chuck@pcslab.net
1532 Universal City Blvd
Universal City, TX 78148-3318
Main: 210-340-0343
Fax: 210-658-7903
This report cannot be reproduced or duplicated, except in full, without prior written consent from Pollution Control Services.

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Juan Zamora **Uvalde, City of** **P.O. Box 799** **Uvalde, TX 78801**	**Project Name: TCEQ Permit Renewal** **Sample ID: Effluent** **Matrix: Non-Potable Water** **Date/Time Taken: 10/22/2024 0800**	**PCS Sample #: 779075 Page 4 of 4** **Date/Time Received: 10/22/2024 10:26** **Report Date: 11/7/2024**

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Silver/ICP MS	<0.0005	mg/L	0.0005	11/01/2024 13:36	EPA 200.8	DJL
Pesticides 617		See Attached			DHL	
604.1 Hexachlorophene		See Attached			DHL	
Semi Volatiles 625		See Attached			DHL	
Pesticides 608		See Attached			DHL	
Pesticides 632		See Attached			DHL	
Pesticide 1657		See Attached			DHL	
Herbicides 615		See Attached			SPL	

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Silver/ICP MS	5	20	70	79	83	130	98	85 - 115	
Pesticides 617	See Attached Report for Quality Assurance Information								
604.1 Hexachlorophene	See Attached Report for Quality Assurance Information								
Semi Volatiles 625	See Attached Report for Quality Assurance Information								
Pesticides 608	See Attached Report for Quality Assurance Information								
Pesticides 632	See Attached Report for Quality Assurance Information								
Pesticide 1657	See Attached Report for Quality Assurance Information								
Herbicides 615	See Attached Report for Quality Assurance Information								

Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits

www.pcslab.net
chuck@pcslab.net

1532 Universal City Blvd
Universal City, TX 78148-3318

Main: 210-340-0343
Fax: 210-658-7903

This report cannot be reproduced or duplicated, except in full, without prior written consent from Pollution Control Services.

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Juan Zamora **Uvalde, City of** **P.O. Box 799** **Uvalde, TX 78801**	**Project Name: TCEQ Permit Renewal** **Sample ID: Effluent** **Matrix: Non-Potable Water** **Date/Time Taken: 10/22/2024 0800**	**PCS Sample #: 779076 Page 1 of 1** **Date/Time Received: 10/22/2024 10:26** **Report Date: 11/1/2024** **Approved by:** Chuck Wallgren, President

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
Oil and Grease (H.E.M.)		<5.0	mg/L	5	10/29/2024 09:30	EPA 1664 Rev	EMV
Mercury/CVAFS		<0.000005	mg/L	0.000005	10/30/2024 14:30	EPA 245.7	DJL
Phenols, Distillable		See Attached				SPL	
Cyanide, Amenable	+	See Attached				DHL	
Volatiles 624		See Attached				DHL	

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Oil and Grease (H.E.M.)	4	18	N/A	N/A	N/A	N/A	95	78 - 114	
Mercury/CVAFS	9	20	70	106	96	130	126	70 - 130	<1.8ng/L
Phenols, Distillable	See Attached Report for Quality Assurance Information								
Cyanide, Amenable	See Attached Report for Quality Assurance Information								
Volatiles 624	See Attached Report for Quality Assurance Information								

Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

+ *Subcontract Work - NELAP Certified Lab*

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits

www.pcslab.net
chuck@pcslab.net

1532 Universal City Blvd
Universal City, TX 78148-3318

Main: 210-340-0343
Fax: 210-658-7903

This report cannot be reproduced or duplicated, except in full, without prior written consent from Pollution Control Services.

POLLUTION CONTROL SERVICES

Chain of Custody Number
779075

MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Stamp 1st sample and COC as same number

CUSTOMER INFORMATION
Name: Uvalde, City of

REPORT INFORMATION
Attention: Juan Zamora | Phone: (830) 278-3347 | Fax: (830) 278-5332

SAMPLE INFORMATION
Project Information: TCEQ Permit Renewal
Report "Soils" ☐ As Is ☐ Dry Wt.

Collected By: Sergio Quiroz

Instructions/Comments:
*AgMS, Al, AsMS, Ba, Be_low, Cd_low, Cr_low, Cu_low, Ni_low, PbMS, SbMS, SeMS, TlMS, Zn
Note: CBOD, TSS, NH3N, TPO4P, NO3N results taken from weekly sample

Client / Field Sample ID	Collected Date	Collected Time	Field Chlorine Residual mg/L	Composite or Grab	Matrix (DW-Drinking Water; NPW-Non-potable water; WW-Wastewater; LW-Liquid Waste)	Container Type	Container Number	Preservative	BOD, TDS, SO4, SpCond Cl HexCr, TriCr, Talk, F	TKN, Metals*	604.1 Hex, Herb 615, Pest 1657, 608, 617, 632, SVOC 625	FOG (HEM)	VOC 624	CN-A	Phenol (Dist)	Low Level Hg	PCS Sample Number
Effluent	Start: End: 10/22/2024	Start: End: 0800	1.3	☒C ☐G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☒P ☒G ☐O	11	☒H_2SO_4 ☒HNO_3 ☐H_3PO_4 ☐NaOH ☒ICE ☐	X	X	X						779075 ☒S ☐B ☐N ☐HEM Other:
Effluent	Start: End: 10/22/2024	Start: End: 0800	1.3	☐C ☒G	☐DW ☒NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O	11	☒H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☒NaOH ☐ICE ☐				X	X	X	X	X	779076 ☒S ☐B ☐N ☒HEM Other: - NaOH
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:

Required Turnaround: ☒ Routine (6-10 days) ***EXPEDITE:*** (See Surcharge Schedule) ☐ < 8 Hrs. ☐ < 16 Hrs. ☐ < 24 Hrs. ☐ 5 days ☐ Other: ________ ***Rush Charges Authorized by:***

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Hold for client pick up **Container Type:** P = Plastic, G = Glass, O = Other Carrier ID:

Relinquished By: [signature]	Date: 10/22/2024	Time: 0815	Received By: Ray Ramos	Date: 10/22/24	Time: 8:15
Relinquished By: Ray Ramos	Date: 10/22/24	Time: 10:26	Received By: [signature]	Date: 10-22-24	Time: 1026

Rev. Multiple Sample COC_20180628

1532 Universal City Blvd., Ste. 100, Universal City, Texas 78148
P (210) 340-0343 or (800) 880-4616 - F (210) 658-7903

Login at www.pcslab.net

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: Click to enter text.

f. **For existing permits**:

Permit Number: WQ00 10306-001

EPA I.D. (TPDES only): TX 0023094

Expiration Date: 07/20/2025

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 Uvalde

(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: 600648455

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: Click to enter text. Last Name, First Name: Luevano, Hector R.

Title: Mayor Credential: Click to enter text.

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?

Click to enter text.

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

Outfall 002

Wastewater Treatment Plant

3- Mile Discharge Route

Chemical Sample Location

Wastewater Treatment Plant Property

One Mile Radius

Outfall 001

Outfall 003

End of 3- Mile Discharge Route

Kenneth M. Cave & Associates

Consulting Environmental Scientists

March 26, 2025

E-Letter Document

Brandon Maldonado
Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087

Reference: NOV Response
Renewal Application for City of Uvalde
WQ0010306-001

Dear Mr. Maldonado:

This E-Letter is in response to your email letter of March 19. Your request required submission of this information via email. The following are your requested items followed by my response in blue. Attachments are provided in support to this E-Letter Response.

1. Plain Language Summary Applicants are required to submit a plain language summary as part of their renewal application. Please create a PLS using the attached template.

The Plain Language Summary is provided as an attachment.

2. Administrative Report 1.0 Section 2 Item A: The name and title of the person signing the form was inadvertently left blank. Please provide an updated section 2, item A with the name and title of the person who signed Section 14 of the administrative report 1.0

Please note that AR 1.0 Section 2A was supplied, as was requested, to your office via email. We have reviewed the sent document and note that that section was properly addressed. However, somehow the printed copy did not show the required information. Attached is a revised copy of page 3 of Form 10053 containing the information as per your request. Also attached is a copy of the signature form.

3. USGS Map The provide map is missing the applicant's property boundaries, the facility boundaries, and the one-mile radius. Please provide and updated USGS map with all items included.

Your letter requested this map via email. However, that map is far too large to provide. The original map indicated the property occupied by the facilities. Attachment B to the application which was submitted has been updated to show the "entire property" boundary plus the location of the facilities. Attachment B (as revised) shows this information on a portion of the 71/2' map. I trust this revised attachment meets your needs.

4. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions.

We have read the Draft NORI and believe it to be accurate.

If you have any questions, please feel free to call anytime.

Sincerely,
Kenneth M. Cave & Associates

Kenneth M. Cave
Senior Scientist

Attachments

E-Copy: City of Uvalde

Plain Language Summary

DOMESTIC WASTEWATER

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 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

City of Uvalde (CN600648455) operates City of Uvalde Wastewater Treatment Plant (RN103119087), a domestic wastewater facility. The facility is located at approximately 3 miles southwest of the intersection of FM 117 and US83 Uvalde County, Texas, in Uvalde, Uvalde County, Texas 78802. The application is a renewal to discharge a total of 2.44 MGD of treated domestic wastewater to Cooks Slough and the Leona River.

Discharges from the facility are expected to contain $CBOB_5$, Total Suspended Solids, Ammonia Nitrogen, Nitrate Nitrogen, and E.coli freshwater. Domestic wastewater is treated by transference through a Lift Station, Carousel Aeration Basin, Dual Final Clarifiers, Chlorine Contact Chamber, and Dechlorination in ponds.

AGUAS RESIDUALES DOMESTICAS

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

City of Uvalde (CN600648455) opera Planta de tratamiento de aguas residuales de la ciudad de Uvalde (RN103119087), un instalación de aguas residuales domésticas. La instalación está ubicada en aproximadamente 3 millas al suroeste de la intersección de FM 117 y US83 en el condado de Uvalde, Texas, en Uvalde, Condado de Uvalde, Texas 78802. La solicitud es una renovación para descargar un total de 2.44 MGD de aguas residuales domésticas tratadas en Cooks Slough y el río Leona..

Se espera que las descargas de la instalación contengan CBOB5, sólidos suspendidos totales, nitrógeno amoniacal, nitrógeno nitrato y agua dulce por E. coli. Aguas residuales domésticas. está tratado por transferencia a través de una estación de bombeo, cuenca de aireación de carrusel, clarificadores finales duales, cámara de contacto de cloro y decloración en estanques.

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010306-001

Applicant: City of Uvalde

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): Hector R. Luevano

Signatory title: Mayor

Signature: _____ Date: 01-14-2025

(Use blue ink)

Subscribed and Sworn to before me by the said Hector R. Luevano

on this 14 day of January, 2025.

My commission expires on the _____ day of _____, 20_____.

Notary Public

SORAYDA ARELLANO SANCHEZ
Notary Public, State of Texas
Comm. Expires 09-23-2025
Notary ID 129559002

[SEAL]

Uvalde
County, Texas

Brandon Maldonado

From: Ken Cave <kencave77@gmail.com>
Sent: Tuesday, March 25, 2025 8:57 AM
To: Brandon Maldonado
Cc: Juan Zamora; LeeAnn Ortiz
Subject: NOD Email of March 19 - Response
Attachments: NOV E.pdf; WWTP Permit Signature 01-14-2025.pdf; Attachment B Rev..pdf; Amended Section 3 A (2).pdf; Plain Language Summary final - Uvalde 2024.pdf

Please accept this email as a complete response to your email regarding the City of Uvalde Permit Renewal Application. Attached please my E-Letter and accompanying supporting files.

I will be out of the office the rest of this week on a personal emergency matter. I will be able to receive emails.

Respectfully,

Ken Cave