

Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

- 1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
 - Inglés
 - Idioma alternativo (español)
- 2. Primer aviso (NORI, por sus siglas en inglés)
 - Inglés
 - Idioma alternativo (español)
- 3. Solicitud original

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by <u>Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H</u>. Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in <u>30 TAC Section 39.426</u>, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

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.

The City of Corpus Christi (CN600131858) operates Oso Water Reclamation Plant (RN101610327), an activated sludge plant with contact stabilization. The facility is located at 501 Nile Drive, in Corpus Christi, Nueces County, Texas 78412. This application is for a renewal to discharge treated domestic wastewater at an annual average flow of 24,000,000 gallons per day via Outfall 001.

Discharges from the facility are expected to contain 5-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen, and enterococci. Domestic wastewater is treated by four mechanical bar screens, four grit removal units, two odor control units, four aeration basins, six re-aeration basins, eight secondary clarifiers, four aerobic digesters, a belt filter press, and four future bioreactors.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

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.

La Ciudad de Corpus Christi (CN600131858) opera Planta de Recuperación de Agua de Oso (RN101610327), un planta de lodos activados con estabilización por contacto. La instalación está ubicada en 501 Nile Drive, en Corpus Christi, Condado de Nueces, Texas 78412. Esta solicitud es para una renovación para descargar aguas residuales domésticas tratadas a un flujo promedio anual de 24,000,000 galones por día a través del Emisario 001.

Se espera que las descargas de la instalación contengan demanda bioquímica carbonosa de oxígeno de cinco dias, sólidos suspendidos totales, nitrógeno amoniacal y enterococos. Aguas residuales domésticas están tratado por cuatro cribas de barras mecánicas, cuatro unidades de eliminación de arena, dos unidades de control de olores, cuatro tanques de aireación, seis tanques de reaireación, ocho clarificadores secundarios, cuatro digestores aeróbicos, un filtro prensa de banda y cuatro futuros biorreactores.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0010401004

APPLICATION. City of Corpus Christi, P.O. Box 9277, Corpus Christi, Texas 78469, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010401004 (EPA I.D. No. TX0047058) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 24,000,000 gallons per day. The domestic wastewater treatment facility is located at 501 Nile Drive, in the city of Corpus Christi, Nueces County, Texas 78412. The discharge route is from the plant site directly to Blind Oso Bay. TCEQ received this application on March 27, 2025. The permit application will be available for viewing and copying at City of Corpus Christi Utilities Building, 2726 Holly Road, Corpus Christi, in Nueces County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.340568,27.710345&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>. El aviso de idioma alternativo en español está disponible en <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>.

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 <u>www.tceq.texas.gov/goto/cid</u>. 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 <u>https://www14.tceq.texas.gov/epic/eComment/</u>, 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 <u>www.tceq.texas.gov/goto/pep</u>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from City of Corpus Christi at the address stated above or by calling Mr. Earl Richardson, Wastewater Treatment Plant Manager, at 361-826-1848.

Issuance Date: April 21, 2025

Comisión de Calidad Ambiental del Estado de Texas



AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA RENOVACION

PERMISO NO. WQ0010401004

SOLICITUD. La Ciudad de Corpus Christi, P.O. Box 9277, Corpus Christi, Texas 78469, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010401004 (EPA I.D. No. TX0047058) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 24,000,000 galones por día. La planta está ubicada 501 Nile Drive, en el Condado de Nueces, Texas 78412. La ruta de descarga es del sitio de la planta a directamente a la Blind Oso Bay. La TCEQ recibió esta solicitud el 27 de marzo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en el Edificio de Servicios Públicos de la Ciudad de Corpus Christi, 2726 Holly Road, Corpus Christi, en el Condado de Nueces, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.340568,27.710345&level=18

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>.

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ

realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso del Director Ejecutivo legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo,

la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en <u>www.tceq.texas.gov/goto/cid</u>. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía

http://www14.tceq.texas.gov/epic/eComment/o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del la Ciudad de Corpus Christi a la dirección indicada arriba o llamando a Sr. Earl Richardson al 361-826-1848.

Fecha de emisión: 21 de abril de 2025



RECEIVED

DA

MAR 2 7 2025 TCEQ MAIL CENTER

0537-062-01

March 27, 2025

Texas Commission on Environmental Quality Applications Review and Processing Team Building F, Room 2101 12100 Park 35 Circle Austin, Texas 78753

Re: City of Corpus Christi Oso Water Reclamation Plant Application for a Renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010401004

To Whom It May Concern:

On behalf of the City of Corpus Christi, Plummer Associates, Inc. (Plummer) submits one original of a TPDES Permit Renewal application for the above-referenced facility. The application fee of \$2,015.00 for the Domestic Wastewater Permit Application has been submitted to the Texas Commission on Environmental Quality Cashier's Office (MC-214) under separate cover.

Please feel free to contact me at alewis@plummer.com or (512) 687-2154, if you have any questions regarding this submittal.

Sincerely,

PLUMMER TBPE Firm Registration No. F-13

ashing Jews

Ashley Lewis Water Quality/Permitting Team Leader

Enclosures: TPDES Permit Application (1 original)

cc: Mr. Earl Richardson, Wastewater Treatment Plant Manager, City of Corpus Christi



CITY OF CORPUS CHRISTI

OSO WATER RECLAMATION PLANT

TEXAS POLLUTANT DISCHARGE ELIMINTATION SYSTEM PERMIT RENEWAL APPLICATION PERMIT NO. WQ0010401004

SUBMITTED TO: TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



March 2025 PROJECT #: 0537-062-01

CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION

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I. ADMINISTRATIVE REPORT

Domestic Administrative Report 1.0 Supplemental Permit Information Form (SPIF)

II. TECHNICAL REPORT

Domestic Technical Report 1.0 Domestic Worksheet 2.0 Domestic Worksheet 4.0 Domestic Worksheet 5.0 Domestic Worksheet 6.0

III. ATTACHMENTS

<u>No.</u>	<u>Description</u>	Reference
А	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	USGS Map	Admin Rpt 1.0, Section 13
D	Supplemental Permit Information Form	SPIF
Е	Treatment Process Description	Tech Rpt 1.0, Section 2.A
F	List of Treatment Units	Teach Rpt 1.0, Section 2.B
G	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
Н	Site Drawing	Tech Rpt 1.0, Section 3
I	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7; Wks 4.0 Section 1 & 2
J	List of Facility Operators	Tech Rpt 1.0, Section 8
К	Summary of WET Test Results	Wks 5.0 Section 1 & 3
L	Effluent Parameters Above the MAL	Wks 6.0 Section 2.C

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Corpus Christi

PERMIT NUMBER (If new, leave blank): WQ00 10401004

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

Ν

Y

Administrative Report 1.0	\boxtimes	
Administrative Report 1.1		\boxtimes
SPIF	\boxtimes	
Core Data Form	\boxtimes	
Public Involvement Plan Form		\boxtimes
Technical Report 1.0	\boxtimes	
Technical Report 1.1		\boxtimes
Worksheet 2.0	\boxtimes	
Worksheet 2.1		\boxtimes
Worksheet 3.0		\boxtimes
Worksheet 3.1		\boxtimes
Worksheet 3.2		\boxtimes
Worksheet 3.3		\boxtimes
Worksheet 4.0	\boxtimes	
Worksheet 5.0	\boxtimes	
Worksheet 6.0	\boxtimes	
Worksheet 7.0		\boxtimes

Original USGS Map	\boxtimes	
Affected Landowners Map		\boxtimes
Landowner Disk or Labels		\boxtimes
Buffer Zone Map		\boxtimes
Flow Diagram	\boxtimes	
Site Drawing	\boxtimes	
Original Photographs		\boxtimes
Design Calculations		\boxtimes
Solids Management Plan		\boxtimes
Water Balance		\boxtimes

Y

Ν

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 Info	rmation:	Check will be provided
Mailed	Check/Money Order Number:	at a later date.
	Check/Money Order Amount:	<u>\$2,015.00</u>
	Name Printed on Check:	<u>City of Corpus Christi</u>
EPAY	Voucher Number: <u>N/A</u>	
Copy of Payment Voucher enclosed?		Yes \Box <u>N/A</u>

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.
 - \boxtimes Active \square 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 <u>with</u> Renewal
 Minor Amendment <u>with</u> Renewal
 - □ Major Amendment <u>without</u> Renewal
- □ Minor Amendment <u>without</u> Renewal
- \boxtimes Renewal without changes \square Minor Modification of permit
- e. For amendments or modifications, describe the proposed changes: <u>N/A</u>

f. For existing permits:

Permit Number: WQ00 <u>10401004</u> EPA I.D. (TPDES only): TX <u>0047058</u> Expiration Date: <u>9/24/2025</u>

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 Corpus Christi

(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 <u>http://www15.tceq.texas.gov/crpub/</u>

CN: <u>600131858</u>

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: <u>Mr.</u> Last Name, First Name: <u>Molly, Drew</u>

Title: <u>Chief Operating Officer, Corpus Christi Water</u> Credential: <u>P.E.</u>

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?

<u>N/A</u>

(*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: <u>http://www15.tceq.texas.gov/crpub/</u>

CN: <u>N/A</u>

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: <u>N/A</u>	Last Name, First Name: <u>N/A</u>
Title: <u>N/A</u>	Credential: <u>N/A</u>

Provide a brief description of the need for a co-permittee: <u>N/A</u>

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. <u>A</u>

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.

Prefix: <u>Mr.</u>	Last Name, Firs	t Name: <u>Richard</u>	<u>lson, Earl</u>
Title: Wastewater Treatment Plant I	<u>Manager</u>	Credential: <u>N</u> /	<u>'A</u>
Organization Name: City of Corpus	<u>s Christi</u>		
Mailing Address: 2726 Holly Road	City,	State, Zip Code	: <u>Corpus Christi, TX 78415</u>
Phone No.: <u>(361) 826-1848</u>	E-mail Address	: <u>earlri@cctexas</u>	<u>.com</u>
Check one or both: \square Admi	nistrative Conta	ct	I Technical Contact
Prefix: <u>Ms.</u>	Last Name, Firs	t Name: <u>Lewis, A</u>	Ashley
Title: <u>Water Quality/Permitting Tea</u>	m Leader	Credential: <u>N</u> /	<u>'A</u>
Organization Name: Plummer Ass	<u>ociates, Inc.</u>		
Mailing Address: 8911 N Capital of	Tx Hwy, Bldg. 1, S	<u>Ste 1250</u>	
City, State, Zip Code: <u>Austin, TX 7</u>	<u>8759</u>		
Phone No.: <u>(512) 687-2154</u>	E-mail Address	: <u>alewis@plumn</u>	ner.com
Check one or both: 🛛 🖂 Admi	nistrative Conta	ct	X Technical Contact
	Prefix: <u>Mr.</u> Title: <u>Wastewater Treatment Plant I</u> Organization Name: <u>City of Corpus</u> Mailing Address: <u>2726 Holly Road</u> Phone No.: <u>(361) 826-1848</u> Check one or both: Admi Prefix: <u>Ms.</u> Title: <u>Water Quality/Permitting Tea</u> Organization Name: <u>Plummer Asse</u> Mailing Address: <u>8911 N Capital of</u> City, State, Zip Code: <u>Austin, TX 7</u> Phone No.: <u>(512) 687-2154</u> Check one or both: Admi	Prefix: Mr.Last Name, FirstTitle: Wastewater Treatment Plant ManagerOrganization Name: City of Corpus ChristiMailing Address: 2726 Holly RoadCity, SPhone No.: (361) 826-1848E-mail AddressCheck one or both:Image: Administrative ContactPrefix: Ms.Last Name, FirstTitle: Water Quality/Permitting Team LeaderOrganization Name: Plummer Associates, Inc.Mailing Address: 8911 N Capital of Tx Hwy, Bldg. 1, SCity, State, Zip Code: Austin, TX 78759Phone No.: (512) 687-2154E-mail AddressCheck one or both:Image: Administrative Contact	Prefix: Mr.Last Name, First Name: RichardTitle: Wastewater Treatment Plant ManagerCredential: M/Organization Name: City of Corpus ChristiMailing Address: 2726 Holly RoadCity, State, Zip Code:Mailing Address: 2726 Holly RoadCity, State, Zip Code:Phone No.: (361) 826-1848E-mail Address: earlri@cctexasCheck one or both:Image: Administrative ContactPrefix: Ms.Last Name, First Name: Lewis, ATitle: Water Quality/Permitting Team LeaderCredential: N/Organization Name: Plummer Associates, Inc.Mailing Address: 8911 N Capital of Tx Hwy, Bldg. 1, Ste 1250City, State, Zip Code: Austin, TX 78759Phone No.: (512) 687-2154Phone No.: (512) 687-2154E-mail Address: alewis@plummCheck one or both:Image: Administrative 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: <u>Mr.</u>	Last Name, First Name: <u>Richardson, Earl</u>	
	Title: Wastewater Treatment Plant M	Manager Credential: <u>N/A</u>	
	Organization Name: <u>City of Corpus</u>	<u>s Christi</u>	
	Mailing Address: <u>2726 Holly Road</u>	City, State, Zip Code: <u>Corpus Christi, TX 78415</u>	5
	Phone No.: <u>(361) 826-1848</u>	E-mail Address: <u>earlri@cctexas.com</u>	

B.	Prefix: <u>Mr.</u>	Last Name, First Name: <u>Moly, Drew</u>
	Title: Chief Operating Officer	Credential: <u>P.E.</u>
	Organization Name: Corpus Christ	ti Water
	Mailing Address: <u>P.O. Box 9277</u>	City, State, Zip Code: <u>Corpus Christi, TX 78469</u>
	Phone No.: <u>(361) 826-3278</u>	E-mail Address: <u>drewm@cctexas.com</u>

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: <u>Mr.</u>	Last Name, First Name: <u>Richardson, Earl</u>
Title: <u>Wastewater Treatment Plant M</u>	Ianager Credential: <u>N/A</u>
Organization Name: <u>City of Corpus</u>	<u>Christi</u>
Mailing Address: <u>2726 Holly Road</u>	City, State, Zip Code: <u>Corpus Christi, TX 78415</u>
Phone No.: <u>(361) 826-1848</u>	E-mail Address: <u>earlri@cctexas.com</u>

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: <u>Mr.</u>	Last Name, First Name: <u>Richardson, Earl</u>	
Title: <u>Wastewater Treatment Plant M</u>	<u>Ianager</u> Credential: <u>N/A</u>	
Organization Name: <u>City of Corpus Christi</u>		
Mailing Address: <u>2726 Holly Road</u>	City, State, Zip Code: <u>Corpus Christi, TX 78415</u>	
Phone No.: <u>(361) 826-1848</u>	E-mail Address: <u>earlri@cctexas.com</u>	

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms.Last Name, First Name: Garoutte, AlexandraTitle: Scientist in Training IIICredential: N/A

Organization Name: <u>Plummer Associates, Inc.</u>

Mailing Address: <u>8911 N Capital of Tx Hwy, Bldg. 1, Ste 1250</u>

City, State, Zip Code: <u>Austin, TX 78759</u>

Phone No.: (737) 304-7204 E-mail Address: <u>ahughes@plummer.com</u>

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: Mr.Last Name, First Name: Richardson, EarlTitle: Wastewater Treatment Plant ManagerCredential: N/AOrganization Name: City of Corpus ChristiCredential: N/AMailing Address: 2726 Holly RoadCity, State, Zip Code: Corpus Christi, TX 78415Phone No.: (361) 826-1848E-mail Address: earlri@cctexas.com

D. Public Viewing Information

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

Public building name: City of Corpus Christi Utilities Building

Location within the building: Front Desk

Physical Address of Building: 2726 Holly Road

City: <u>Corpus Christi</u> County: <u>Nueces</u>

Contact (Last Name, First Name): <u>Abigail Perez</u>

Phone No.: (361) 826-1800 Ext.: N/A

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? <u>Spanish</u>

F. Plain Language Summary Template

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

Attachment: <u>B</u>

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: <u>N/A</u>

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** <u>101610327</u>

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

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

Oso Water Reclamation Plant

C. Owner of treatment facility: City of Corpus Christi

Ownership of Facility: 🛛 Public 🗖 Private 🗖 Both 🗖 Federal

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

Prefix: <u>N/A</u> Last Name, First Name: <u>N/A</u>

Title: <u>N/A</u> Credential: <u>N/A</u>

Organization Name: <u>City of Corpus Christi</u>

Mailing Address: P.O. Box 9277 City, State, Zip Code: Corpus Christi, TX 78469

Phone No.: <u>(361) 826-3278</u>

E-mail Address: drewm@cctexas.com

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

Attachment: <u>N/A</u>

E. Owner of effluent disposal site:

Prefix: <u>N/A</u>	Last Name, First Name: <u>N/A</u>
Title: <u>N/A</u>	Credential: <u>N/A</u>
Organization Name: <u>N/A</u>	
Mailing Address: <u>N/A</u>	City, State, Zip Code: <u>N/A</u>
Phone No.: <u>N/A</u>	E-mail Address: <u>N/A</u>

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: <u>N/A</u>

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

Prefix: <u>N/A</u>	Last Name, First Name: <u>N/A</u>
Title: <u>N/A</u>	Credential: <u>N/A</u>
Organization Name: <u>N/A</u>	
Mailing Address: <u>N/A</u>	City, State, Zip Code: <u>N/A</u>
Phone No.: <u>N/A</u>	E-mail Address: <u>N/A</u>

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: <u>N/A</u>

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:

The facility address is 501 Nile Dr, Corpus Christi, TX 78412, per the Nueces County Central Appraisal District.

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

\boxtimes Yes \Box N	JO
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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:

<u>N/A</u>

City nearest the outfall(s): Corpus Christi

County in which the outfalls(s) is/are located: <u>Nueces</u>

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:

 \Box Authorization granted \Box Authorization pending <u>N/A</u>

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: N/A

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: <u>Nueces County</u>

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 <u>N/A – Not a TLAP</u>

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

<u>N/A</u>

- **B.** City nearest the disposal site: $\underline{N/A}$
- C. County in which the disposal site is located: <u>N/A</u>
- **D.** For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

<u>N/A</u>

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

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?

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.

<u>N/A</u>

- **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: <u>Alexandra Garoutte; Plummer Associates, Inc.</u>

D. Do you owe any fees to the TCEQ?

🗆 Yes 🖾 No

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

Account number: <u>N/A</u>

Amount past due: <u>N/A</u>

E. Do you owe any penalties to the TCEQ?

🗆 Yes 🖾 No

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

Enforcement order number: <u>N/A</u>

Amount past due: <u>N/A</u>

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

See Attachment C

- 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: <u>See Table of Contents</u>

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010401004

Applicant: City of Corpus Christi

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): Drew Molly, P.E.

Signatory title: Chief Operating Officer, Corpus Christi Water

Notary Public

[SEAL]

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: D

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 II Phase

Design Flow (MGD): <u>16.2</u> 2-Hr Peak Flow (MGD): <u>98</u> Estimated construction start date: <u>2022</u> Estimated waste disposal start date: <u>2024</u>

B. Interim III Phase

Design Flow (MGD): <u>18.0</u> 2-Hr Peak Flow (MGD): <u>98</u> Estimated construction start date: <u>2024</u> Estimated waste disposal start date: <u>2028</u>

C. Final Phase

Design Flow (MGD): <u>24.0</u> 2-Hr Peak Flow (MGD): <u>98</u> Estimated construction start date: <u>2027</u> Estimated waste disposal start date: <u>2030</u>

D. Current Operating Phase

Provide the startup date of the facility: <u>September 2013</u>

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

See Attachment E

B. Treatment Units

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

Table 1.0(1) - Treatment Units

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

C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction. **Attachment**: <u>G</u>

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

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

- Latitude: <u>27.709895</u>
- Longitude: <u>-97.337879</u>

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

- Latitude: <u>N/A</u>
- Longitude: <u>N/A</u>

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: <u>H</u>

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

The Oso Water Reclamation Plant serves the southern portion of the City of Corpus Christi.

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 Corpus Christi	City of Corpus Christi	Publicly Owned	169,585

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**.

The facility will begin discharging in the Interim II (18 MGD) phase in 2028.

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.

<u>N/A</u>

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: Interim I Phase - October 24, 2023

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**.

<u>A summary transmittal letter for the 16.2 Interim I Phase (Interim II Phase in existing permit) was</u> submitted on October 18, 2023, and approved on October 24, 2023 (TCEQ Log No 1023/079). Additional transmittal letters for future phases will be submitted at a later date.

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.

<u>N/A</u>

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*.

<u>Per Other Requirement No. 8 of the current permit, the Notification of Completion Form 20007</u> will be submitted at least 45 days prior to completion of the future phases.

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.

<u>N/A</u>

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.

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.

<u>N/A</u>

N/A

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 X003 or TXRNE

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

□ Yes □ No <u>N/A</u>

3. Conditional exclusion

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

🗆 Yes 🖂 No

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

4. Existing coverage in individual permit

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

🗆 Yes 🖂 No

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

<u>N/A</u>

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.

N/A

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.

<u>N/A</u>

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. $\underline{\rm N/A}$

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 BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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 BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

<u>N/A</u>

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.

<u>N/A</u>

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. See Attachment I

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	<1.23	<1.23	1	С	9/3/2024; 6:00 A.M.
Total Suspended Solids, mg/l	3.3	3.3	1	C	9/4/2024; 6:00 A.M.
Ammonia Nitrogen, mg/l	0.09	0.09	1	C	9/4/2024; 6:00 A.M.
Nitrate Nitrogen, mg/l	8.7	8.7	1	C	9/4/2024; 6:00 A.M.
Total Kjeldahl Nitrogen, mg/l	1.60	1.60	1	С	9/4/2024; 6:00 A.M.
Sulfate, mg/l	220	220	1	С	9/4/2024; 6:00 A.M.
Chloride, mg/l	454	454	1	С	9/4/2024; 6:00 A.M.
Total Phosphorus, mg/l	0.54	0.54	1	С	9/4/2024; 6:00 A.M.
pH, standard units	7.1	7.1	1	G	9/4/2024; 7:30 A.M.
Dissolved Oxygen*, mg/l	8.41	8.41	1	G	9/4/2024; 7:30 A.M.
Chlorine Residual, mg/l	1.9	1.9	1	G	11/1/2024
<i>E.coli</i> (CFU/100ml) freshwater	<u>N/A</u>				
Entercocci (CFU/100ml) saltwater	6.3	6.3	1	G	9/4/2024; 8:20 A.M.
Total Dissolved Solids, mg/l	1248	1248	1	С	9/4/2024; 6:00 A.M.
Electrical Conductivity, µmohs/cm, †	<u>N/A</u>				
Oil & Grease, mg/l	6.8	6.8	1	G	9/4/2024; 8:20 A.M.
Alkalinity (CaCO ₃)*, mg/l	101.9	101.9	1	C	9/4/2024; 6:00 A.M.

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

*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	<u>N/A</u>				
Total Dissolved Solids, mg/l	<u>N/A</u>				
pH, standard units	<u>N/A</u>				
Fluoride, mg/l	<u>N/A</u>				
Aluminum, mg/l	<u>N/A</u>				
Alkalinity (CaCO ₃), mg/l	<u>N/A</u>				

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: See Attachment J

Facility Operator's License Classification and Level: See Attachment J

Facility Operator's License Number: See Attachment J

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- Aerobic Digestion
- Air Drying (or sludge drying beds)
- □ Lower Temperature Composting
- □ Lime Stabilization
- □ Higher Temperature Composting
- □ Heat Drying
- □ Thermophilic Aerobic Digestion
- Beta Ray Irradiation
- □ Gamma Ray Irradiation
- □ Pasteurization
- □ Preliminary Operation (e.g. grinding, de-gritting, blending)
- Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- □ Sludge Lagoon
- □ Temporary Storage (< 2 years)
- $\Box \quad \text{Long Term Storage (>= 2 years)}$
- □ Methane or Biogas Recovery

□ Other Treatment Process: <u>N/A</u>

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	On-Site Owner or Operator	Bulk	N/A	N/A	N/A

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): $\underline{\rm N/A}$

D. Disposal site

Disposal site name: <u>Cefe Valenzulea Landfill</u>

TCEQ permit or registration number: 2269

County where disposal site is located: Nueces

E. Transportation method

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

Name of the hauler: <u>City of Corpus Christi</u>

Hauler registration number: <u>2190</u>

Sludge is transported as a:

Liquid [
----------	--

semi-liquid 🗆

semi-solid 🖂

solid \Box

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?


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 <u>N/A</u>

B. Sludge processing authorization

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

Sludge Composting	Yes	\boxtimes	No
Marketing and Distribution of sludge	Yes	\boxtimes	No
Sludge Surface Disposal or Sludge Monofill	Yes	\boxtimes	No
Temporary storage in sludge lagoons	Yes	\boxtimes	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?

 \Box Yes \Box No <u>N/A</u>

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:

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Attachment: <u>N/A</u>
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• USDA Natural Resources Conservation Service Soil Map:

Attachment: <u>N/A</u>

• Federal Emergency Management Map:

Attachment: <u>N/A</u>

• Site map:

Attachment: N/A

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

 \Box None of the above

Attachment: <u>N/A</u>

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:

<u>N/A</u>

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: <u>N/A</u>

Total Kjeldahl Nitrogen, mg/kg: <u>N/A</u>

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: <u>N/A</u>

Phosphorus, mg/kg: <u>N/A</u>

Potassium, mg/kg: <u>N/A</u>

pH, standard units: <u>N/A</u>

Ammonia Nitrogen mg/kg: <u>N/A</u>

Arsenic: <u>N/A</u>

Cadmium: <u>N/A</u>

Chromium: <u>N/A</u>

Copper: <u>N/A</u>

Lead: <u>N/A</u>

Mercury: <u>N/A</u>

Molybdenum: <u>N/A</u>

Nickel: <u>N/A</u>

Selenium: <u>N/A</u>

Zinc: <u>N/A</u>

Total PCBs: <u>N/A</u>

Provide the following information:

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

Total dry tons stored in the lagoons(s) per 365-day period: <u>N/A</u>

Total dry tons stored in the lagoons(s) over the life of the unit: <u>N/A</u>

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

□ Yes □ No <u>N/A</u>

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

<u>N/A</u>

D. Site development plan

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

<u>N/A</u>

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
 Attachment: <u>N/A</u>
- Copy of the closure plan
 - Attachment: <u>N/A</u>
- Copy of deed recordation for the site
 - Attachment: <u>N/A</u>
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons Attachment: N/A
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment: <u>N/A</u>

• Procedures to prevent the occurrence of nuisance conditions

Attachment: N/A

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 <u>N/A</u>

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: <u>N/A</u>

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:

Storm Water Permit No. TXR05X003; Reclaimed Water Authorization No. R10401004.				

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:

The requirements for Agreed Order Docket No 2020-1231-MWD-E, effective September 29, 2021, have been met. The order will expire on September 29, 2026.

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: <u>N/A</u>

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:
 - $\circ~$ periodically inspected by the TCEQ; or
 - \circ $\,$ located in another state and is accredited or inspected by that state; or
 - o 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: Drew Molly, P.E.

Title: Chief Operating Officer, Corpus Christi Water

Signature: <u>Signatures will be provided at a later date.</u>

Date: _____

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: <u>N/A</u>

Distance and direction to the intake: N/A

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

Attachment: <u>N/A</u>

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: <u>70</u>

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).

Facility discharges directly to Blind Oso Bay in Segment No. 2486 of the Bays and Estuaries.

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).

<u>N/A</u>

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: N/A

A. Receiving water type N/A

Identify the appropriate description of the receiving waters.

- □ Stream
- □ Freshwater Swamp or Marsh
- □ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

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

- □ Man-made Channel or Ditch
- Open Bay
- □ Tidal Stream, Bayou, or Marsh
- \Box Other, specify:

B. Flow characteristics

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

□ 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
- \Box Other, specify:

C. Downstream perennial confluences

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

<u>N/A</u>

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 <u>N/A</u>

If yes, discuss how.

<u>N/A</u>

E. Normal dry weather characteristics

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

<u>N/A</u>

Date and time of observation: N/A

Was the water body influenced by stormwater runoff during observations?

□ Yes □ No <u>N/A</u>

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

A. Upstream influences <u>N/A</u>

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
- \Box Septic tanks \Box Other(s), specify:

B. Waterbody uses <u>N/A</u>

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

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

C. Waterbody aesthetics <u>N/A</u>

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

ObsrDOMESTIC 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 \boxtimes Composite \boxtimes

Date and time sample(s) collected: See Attachment I

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<50	<50	1	50
Aldrin	< 0.01	< 0.01	1	0.01
Aluminum	25	25	1	2.5
Anthracene	<10	<10	1	10
Antimony	<5	<5	1	5
Arsenic	1	1	1	0.5
Barium	75	75	1	3
Benzene	<10	<10	1	10
Benzidine	<50	<50	1	50
Benzo(a)anthracene	<5	<5	1	5
Benzo(a)pyrene	<5	<5	1	5
Bis(2-chloroethyl)ether	<10	<10	1	10
Bis(2-ethylhexyl)phthalate	<10	<10	1	10
Bromodichloromethane	49	49	1	10
Bromoform	57	57	1	10
Cadmium	<1	<1	1	1
Carbon Tetrachloride	<2	<2	1	2
Carbaryl	<5	<5	1	5
Chlordane*	<0.2	<0.2	1	0.2
Chlorobenzene	<10	<10	1	10
Chlorodibromomethane	98	98	1	10

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent	MAX Effluent	Number of Samples	MAL (µg/l)
	Conc. (µg/l)	Conc. (µg/l)		
Chloroform	17	17	1	10
Chlorpyrifos	< 0.05	< 0.05	1	0.05
Chromium (Total)	<3	<3	1	3
Chromium (Tri) (*1)	<3	<3	1	N/A
Chromium (Hex)	<3	<3	1	3
Copper	3.98	4.4	5	2
Chrysene	<5	<5	1	5
p-Chloro-m-Cresol	<10	<10	1	10
4,6-Dinitro-o-Cresol	<50	<50	1	50
p-Cresol	<10	<10	1	10
Cyanide (*2)	15.5	17	2	10
4,4'- DDD	<0.1	<0.1	1	0.1
4,4'- DDE	<0.1	<0.1	1	0.1
4,4'- DDT	<0.02	<0.02	1	0.02
2,4-D	<0.7	<0.7	1	0.7
Demeton (O and S)	<0.2	<0.2	1	0.20
Diazinon	<0.5	<0.5	1	0.5/0.1
1,2-Dibromoethane	<10	<10	1	10
m-Dichlorobenzene	<10	<10	1	10
o-Dichlorobenzene	<10	<10	1	10
p-Dichlorobenzene	<10	<10	1	10
3,3'-Dichlorobenzidine	<5	<5	1	5
1,2-Dichloroethane	<10	<10	1	10
1,1-Dichloroethylene	<10	<10	1	10
Dichloromethane	<20	<20	1	20
1,2-Dichloropropane	<10	<10	1	10
1,3-Dichloropropene	<10	<10	1	10
Dicofol	<1	<1	1	1
Dieldrin	< 0.02	< 0.02	1	0.02
2,4-Dimethylphenol	<10	<10	1	10
Di-n-Butyl Phthalate	<10	<10	1	10
Diuron	< 0.09	<0.09	1	0.09
Endosulfan I (alpha)	< 0.01	< 0.01	1	0.01

Pollutant	AVG Effluent	MAX Effluent	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)	<0.01	<0.01	1	0.01
Endosulfan II (beta)	<0.02	<0.02	1	0.02
Endosulfan Sulfate	<0.01	<0.01	1	0.1
Endrin	<0.02	< 0.02	1	0.02
Ethylbenzene	<10	<10	1	10
Fluoride	550	550	1	500
Guthion	<0.1	<0.1	1	0.1
Heptachlor	< 0.01	< 0.01	1	0.01
Heptachlor Epoxide	< 0.01	< 0.01	1	0.01
Hexachlorobenzene	<5	<5	1	5
Hexachlorobutadiene	<10	<10	1	10
Hexachlorocyclohexane (alpha)	< 0.05	< 0.05	1	0.05
Hexachlorocyclohexane (beta)	< 0.05	< 0.05	1	0.05
gamma-Hexachlorocyclohexane	< 0.05	< 0.05	1	0.05
(Lindane)				
Hexachlorocyclopentadiene	<10	<10	1	10
Hexachloroethane	<20	<20	1	20
Hexachlorophene	<10	<10	1	10
Lead	<0.5	<0.5	1	0.5
Malathion	<0.1	<0.1	1	0.1
Mercury	< 0.005	< 0.005	1	0.005
Methoxychlor	<2	<2	1	2
Methyl Ethyl Ketone	<50	<50	1	50
Mirex	< 0.02	< 0.02	1	0.02
Nickel	2.7	2.7	1	2
Nitrate-Nitrogen	8700	8700	1	100
Nitrobenzene	<10	<10	1	10
N-Nitrosodiethylamine	<20	<20	1	20
N-Nitroso-di-n-Butylamine	<20	<20	1	20
Nonylphenol	<333	<333	1	333
Parathion (ethyl)	<0.1	<0.1	1	0.1
Pentachlorobenzene	<20	<20	1	20
Pentachlorophenol	<5	<5	1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) (*3)	<0.2	<0.2	1	0.2
Pyridine	<20	<20	1	20
Selenium	<5	<5	1	5
Silver	<0.5	< 0.5	1	0.5
1,2,4,5-Tetrachlorobenzene	<20	<20	1	20
1,1,2,2-Tetrachloroethane	<10	<10	1	10
Tetrachloroethylene	<10	<10	1	10
Thallium	<0.5	< 0.5	1	0.5
Toluene	<10	<10	1	10
Toxaphene	<0.3	<0.3	1	0.3
2,4,5-TP (Silvex)	<0.3	<0.3	1	0.3
Tributyltin (see instructions for explanation)	<u>N/A</u>			0.01
1,1,1-Trichloroethane	<10	<10	1	10
1,1,2-Trichloroethane	<10	<10	1	10
Trichloroethylene	<10	<10	1	10
2,4,5-Trichlorophenol	<50	<50	1	50
TTHM (Total Trihalomethanes)	220	220	1	10
Vinyl Chloride	<10	<10	1	10
Zinc	26	26	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: See Attachment I

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	<5	1	5
Arsenic	1.0	1.0	1	0.5
Beryllium	<0.5	<0.5	1	0.5
Cadmium	<1	<1	1	1
Chromium (Total)	<3	<3	1	3
Chromium (Hex)	<3	<3	1	3
Chromium (Tri) (*1)	<3	<3	1	N/A
Copper	3.98	4.4	5	2
Lead	<0.5	<0.5	1	0.5
Mercury	< 0.005	< 0.005	1	0.005
Nickel	2.7	2.7	1	2
Selenium	<5	<5	1	5
Silver	<0.5	<0.5	1	0.5
Thallium	<0.5	<0.5	1	0.5
Zinc	26	26	1	5
Cyanide (*2)	15.5	17	2	10
Phenols, Total	<10	<10	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	<50	1	50
Acrylonitrile	<50	<50	1	50
Benzene	<10	<10	1	10
Bromoform	57	57	1	10
Carbon Tetrachloride	<2	<2	1	2
Chlorobenzene	<10	<10	1	10
Chlorodibromomethane	98	98	1	10
Chloroethane	<50	<50	1	50
2-Chloroethylvinyl Ether	<10	<10	1	10
Chloroform	17	17	1	10
Dichlorobromomethane [Bromodichloromethane]	49	49	1	10
1,1-Dichloroethane	<10	<10	1	10
1,2-Dichloroethane	<10	<10	1	10
1,1-Dichloroethylene	<10	<10	1	10
1,2-Dichloropropane	<10	<10	1	10
1,3-Dichloropropylene	<10	<10	1	10
[1,3-Dichloropropene]				
1,2-Trans-Dichloroethylene	<10	<10	1	10
Ethylbenzene	<10	<10	1	10
Methyl Bromide	<50	<50	1	50
Methyl Chloride	<50	<50	1	50
Methylene Chloride	<20	<20	1	20
1,1,2,2-Tetrachloroethane	<10	<10	1	10
Tetrachloroethylene	<10	<10	1	10
Toluene	<10	<10	1	10
1,1,1-Trichloroethane	<10	<10	1	10
1,1,2-Trichloroethane	<10	<10	1	10
Trichloroethylene	<10	<10	1	10
Vinyl Chloride	<10	<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	<10	1	10
2,4-Dichlorophenol	<10	<10	1	10
2,4-Dimethylphenol	<10	<10	1	10
4,6-Dinitro-o-Cresol	<50	<50	1	50
2,4-Dinitrophenol	<50	<50	1	50
2-Nitrophenol	<20	<20	1	20
4-Nitrophenol	<50	<50	1	50
P-Chloro-m-Cresol	<10	<10	1	10
Pentalchlorophenol	<5	<5	1	5
Phenol	<10	<10	1	10
2,4,6-Trichlorophenol	<10	<10	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	<10	<10	1	10
Acenaphthylene	<10	<10	1	10
Anthracene	<10	<10	1	10
Benzidine	<50	<50	1	50
Benzo(a)Anthracene	<5	<5	1	5
Benzo(a)Pyrene	<5	<5	1	5
3,4-Benzofluoranthene	<10	<10	1	10
Benzo(ghi)Perylene	<20	<20	1	20
Benzo(k)Fluoranthene	<5	<5	1	5
Bis(2-Chloroethoxy)Methane	<10	<10	1	10
Bis(2-Chloroethyl)Ether	<10	<10	1	10
Bis(2-Chloroisopropyl)Ether	<10	<10	1	10
Bis(2-Ethylhexyl)Phthalate	<10	<10	1	10
4-Bromophenyl Phenyl Ether	<10	<10	1	10
Butyl benzyl Phthalate	<10	<10	1	10
2-Chloronaphthalene	<10	<10	1	10
4-Chlorophenyl phenyl ether	<10	<10	1	10
Chrysene	<5	<5	1	5
Dibenzo(a,h)Anthracene	<5	<5	1	5
1,2-(o)Dichlorobenzene	<10	<10	1	10
1,3-(m)Dichlorobenzene	<10	<10	1	10
1,4-(p)Dichlorobenzene	<10	<10	1	10
3,3-Dichlorobenzidine	<5	<5	1	5
Diethyl Phthalate	<10	<10	1	10
Dimethyl Phthalate	<10	<10	1	10
Di-n-Butyl Phthalate	<10	<10	1	10
2,4-Dinitrotoluene	<10	<10	1	10
2,6-Dinitrotoluene	<10	<10	1	10
Di-n-Octyl Phthalate	<10	<10	1	10
1,2-Diphenylhydrazine (as Azo- benzene)	<20	<20	1	20
Fluoranthene	<10	<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)
Fluorene	<10	<10	1	10
Hexachlorobenzene	<5	<5	1	5
Hexachlorobutadiene	<10	<10	1	10
Hexachlorocyclo-pentadiene	<10	<10	1	10
Hexachloroethane	<20	<20	1	20
Indeno(1,2,3-cd)pyrene	<5	<5	1	5
Isophorone	<10	<10	1	10
Naphthalene	<10	<10	1	10
Nitrobenzene	<10	<10	1	10
N-Nitrosodimethylamine	<50	<50	1	50
N-Nitrosodi-n-Propylamine	<20	<20	1	20
N-Nitrosodiphenylamine	<20	<20	1	20
Phenanthrene	<10	<10	1	10
Pyrene	<10	<10	1	10
1,2,4-Trichlorobenzene	<10	<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	< 0.01	1	0.01
alpha-BHC (Hexachlorocyclohexane)	< 0.05	< 0.05	1	0.05
beta-BHC (Hexachlorocyclohexane)	< 0.05	< 0.05	1	0.05
gamma-BHC (Hexachlorocyclohexane)	< 0.05	<0.05	1	0.05
delta-BHC (Hexachlorocyclohexane)	< 0.05	< 0.05	1	0.05
Chlordane	<0.2	<0.2	1	0.2
4,4-DDT	< 0.02	<0.02	1	0.02
4,4-DDE	<0.1	<0.1	1	0.1
4,4,-DDD	<0.1	<0.1	1	0.1
Dieldrin	< 0.02	<0.02	1	0.02
Endosulfan I (alpha)	< 0.01	< 0.01	1	0.01
Endosulfan II (beta)	< 0.02	<0.02	1	0.02
Endosulfan Sulfate	<0.1	<0.1	1	0.1
Endrin	< 0.02	<0.02	1	0.02
Endrin Aldehyde	<0.1	<0.1	1	0.1
Heptachlor	< 0.01	< 0.01	1	0.01
Heptachlor Epoxide	< 0.01	< 0.01	1	0.01
PCB-1242	<0.2	<0.2	1	0.2
PCB-1254	<0.2	<0.2	1	0.2
PCB-1221	<0.2	<0.2	1	0.2
PCB-1232	<0.2	<0.2	1	0.2
PCB-1248	<0.2	<0.2	1	0.2
PCB-1260	<0.2	<0.2	1	0.2
PCB-1016	<0.2	<0.2	1	0.2
Toxaphene	<0.3	<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.

<u>N/A</u>

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.

<u>N/A</u>

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 \Box Composite \Box

Date and time sample(s) collected: <u>N/A</u>

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalenc y Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1					10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					50
2,3,7,8 HxCDFs	0.1					50
2,3,4,7,8 HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 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: Attachment K

48-hour Acute: <u>Attachment K</u>

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.

N/A

Section 3. Summary of WET Tests

If the required biomonitoring test information has not been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table 1 (as found in the permit), provide a summary of the testing results for all valid and invalid tests performed over the past four and one-half years. Make additional copies of this table as needed.

Table 5.0(1)) Summary o	of WET	Tests
--------------	-------------	--------	-------

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
	<u>See Attachment K</u>		

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: <u>o</u> Average Daily Flows, in MGD: <u>o</u> Significant IUs – non-categorical: Number of IUs: <u>o</u> Average Daily Flows, in MGD: <u>o</u> Other IUs:

Number of IUs: o

Average Daily Flows, in MGD: o

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.

N/A

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.

<u>N/A</u>		

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.

<u>N/A</u>

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.

<u>N/A</u>			

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
<u>See Attachment L</u>				

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.

<u>N/A</u>

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

A. General information

Company Name: <u>N/A</u> SIC Code: <u>N/A</u> Contact name: <u>N/A</u> Address: <u>N/A</u> City, State, and Zip Code: <u>N/A</u> Telephone number: <u>N/A</u> Email address: <u>N/A</u>

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).

<u>N/A</u>

C. Product and service information

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

<u>N/A</u>

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons	s/day: <u>N/A</u>		
Discharge Type: 🗆	Continuous	Batch	Intermittent
Non-Process Wastewate	r:		
Discharge, in gallons	s/day: <u>N/A</u>		
Discharge Type: 🗆	Continuous	Batch	Intermittent

E. Pretreatment standards

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

 \Box Yes \Box No <u>N/A</u>

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

□ Yes □ No <u>N/A</u>

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

Category: <u>N/A</u> Subcategories <u>N/A</u>

Category: <u>N/A</u>

Subcategories: <u>N/A</u>

Category: <u>N/A</u>

Subcategories: <u>N/A</u>

Category: N/A

Subcategories: N/A

Category: <u>N/A</u>

Subcategories: N/A

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.

<u>N/A</u>

CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION

TABLE OF ATTACHMENTS

<u>No.</u>	Description	Reference
А	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	USGS Map	Admin Rpt 1.0, Section 13
D	Supplemental Permit Information Form	SPIF
E	Treatment Process Description	Tech Rpt 1.0, Section 2.A
F	List of Treatment Units	Teach Rpt 1.0, Section 2.B
G	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
Н	Site Drawing	Tech Rpt 1.0, Section 3
I	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7; Wks 4.0 Section 1 & 2
J	List of Facility Operators	Tech Rpt 1.0, Section 8
К	Summary of WET Test Results	Wks 5.0 Section 1 & 3
L	Effluent Parameters Above the MAL	Wks 6.0 Section 2.C

ATTACHMENT A

Core Data Form Admin Rpt 1.0, Section 3.C



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 (<i>Core Data Form should be submitted with the program application.</i>)						
Renewal (Core Data Form should be submitted with the	Other					
2. Customer Reference Number (if issued)	2. Customer Reference Number (if issued) Follow this link to search					
CN 600131858	<u>Central Registry**</u>	RN 101610327				

SECTION II: Customer Information

4. General Cu	istomer In	formation		5. Effective D	ate for Cu	istome	r Info	rmation	Updates (mm/dd/	уууу)		
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 Custome	r Name su	ıbmitted he	ere may	be updated au	omaticall	y base	d on	what is c	urrent and active	with the	e Texas Sec	retary of State
(SOS) or Texa	s Comptro	oller of Pub	lic Accou	ınts (CPA).								
6. Customer	Legal Nam	e (If an indi	vidual, pri	nt last name first	: eg: Doe, J	ohn)			<u>If new Customer, o</u>	enter pre	vious Custom	er below:
City of Corpus	Christi											
7. TX SOS/CP	A Filing N	umber		8. TX State Ta	ix ID (11 di	igits)			9. Federal Tax II	D	10. DUNS	Number (if
									(9 digits)		upplicable)	
11. Type of C	ustomer:		Corpora	tion				Individ	lual	Partner	rship: 🗌 Ger	neral 🗌 Limited
Government:	🛛 City 🗌 (County 🗌 Fe	ederal 🗌	Local 🗌 State [Other			Sole Pi	roprietorship	🗌 Oth	ier:	
12. Number o	of Employ	ees							13. Independer	tly Owr	ned and Op	erated?
0-20	21-100	101-250	251-	500 🛛 501 a	nd higher				🗌 Yes 🛛	🛛 No		
14. Customer	r Role (Pro	posed or Act	ual) – <i>as i</i>	t relates to the R	egulated Er	ntity list	ed on	this form.	Please check one of	the follo	wing	
Owner	al Licensee	Operate	or onsible Pa	⊠ Own rty □ VC	er & Opera CP/BSA App	tor licant			Other:			
P.O. Roy 9277												
15. Mailing												
Address:		-										
	City	Corpus Ch	risti		State	тх		ZIP	78469		ZIP + 4	9277
16. Country Mailing Information (if outside USA)						17.	E-Mail Ac	ddress (if applicable	e)			
					drev	vm@cctex	as.com					

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(361) 826-3278		() -

SECTION III: Regulated Entity Information

21 Converse Degulated Entity Information /// (New Degulated Entity" is calended a new permit application is also required)								
21. General Regulated Entity information (i) new Regulated Entity is selected, a new permit application is also required.)								
New Regulated Entity	New Regulated Entity Indate to Regulated Entity Name X Lindate to Regulated Entity Information							
The Regulated Entity Nar	me submitted	l may be updated, i	in order to mee	t TCEQ Cor	e Data Sta	ndards (removal of o	rganization	al endings such
as Inc, LP, or LLC).								
· · ·								
22. Regulated Entity Nam	ne (Enter name	of the site where the	regulated action	is taking pla	ce.)			
•	•	-	5	5.				
USO Water Recidination Plan	ι							
23 Street Address of	501 Nile Drive							
the Regulated Entity								
the Regulated Entity.								
(No PO Boxes)								
<u></u>	City	Corpus Christi	State	ТХ	ZIP	78412	ZIP + 4	3826
24. County	Nueces							

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

25. Description to									
Physical Location:									
26. Nearest City						State		Nea	rest ZIP Code
Latitude/Longitude are re	equired and	may be added/u	updated to meet T	CEQ Core D	ata Standa	rds. (Geoco	ding of th	e Physical	Address may be
used to supply coordinate	es where no	ne have been pr	ovided or to gain a	accuracy).					
27. Latitude (N) In Decima	al:	27.710168		28. Lo	ongitude (V	V) In Decim	al:	-97.34045	53
Degrees	Minutes	5	Seconds	Degree	es	Mir	Minutes		Seconds
29. Primary SIC Code	30.	Secondary SIC C	ode	31. Primary	y NAICS Co	de	32. Seco	ndary NAIC	CS Code
(4 digits)	(4 digits) (5 or 6 digits) (5 or 6 digits)								
4952		221320	1320						
33. What is the Primary B	usiness of t	his entity? (Do	not repeat the SIC or	NAICS descri	ption.)				
Treatment of domestic waste	water								
	2726 Holly	Road							
34. Mailing									
Address:				1					
	City	Corpus Christi	State	тх	ZIP	78412		ZIP + 4	4112
35. E-Mail Address:	Earl	Ri@cctexas.com							
36. Telephone Number			37. Extension or (Code	38. F	ax Number	(if applicab	le)	
(361) 826-1848					() -			

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
	New Source			
Municipal Solid Waste			Petroleum Storage Tank	L PWS
	Review Air			
			_	
Sludge	Storm Water	🔟 Title V Air	L Tires	Used Oil
Voluntary Cleanup	🔀 Wastewater	Wastewater Agriculture	Water Rights	Other:
	N/00010401004			
	WQ0010401004			

SECTION IV: Preparer Information

40. Name:	Alexandra Garo	outte		41. Title:	Scientist in Training
42. Telephone Number 43. Ext./Code 44. Fax Number		44. Fax Number	45. E-Mail Address		
(512) 452-5905			() -	agaroutte@p	lummer.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:	Corpus Christi Water	Job Title:	Chief Ope	Chief Operating Officer		
Name (In Print):	Drew Molly	Phone:	(361) 826- 3278			
Signature:	Signatures will be provided at a later date.			Date:		

ATTACHMENT B

Plain Language Summary Admin Rpt 1.0, Section 8.F TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by <u>Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H</u>. Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in <u>30 TAC Section 39.426</u>, <u>you must provide a translated copy of the completed plain language summary in the</u> <u>appropriate alternative language as part of your application package</u>. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

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.

The City of Corpus Christi (CN600131858) operates Oso Water Reclamation Plant (RN101610327), an activated sludge plant with contact stabilization. The facility is located at 501 Nile Drive, in Corpus Christi, Nueces County, Texas 78412. This application is for a renewal to discharge treated domestic wastewater at an annual average flow of 20,000,000 gallons per day via Outfall 001.

Discharges from the facility are expected to contain 5-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen, and enterococci. Domestic wastewater is treated by four mechanical bar screens, four grit removal units, two odor control units, four aeration basins, six re-aeration basins, eight secondary clarifiers, four aerobic digesters, a belt filter press, and four future bioreactors.
PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

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.

La Ciudad de Corpus Christi (CN600131858) opera Planta de Recuperación de Agua de Oso (RN101610327), un planta de lodos activados con estabilización por contacto. La instalación está ubicada en 501 Nile Drive, en Corpus Christi, Condado de Nueces, Texas 78412. Esta solicitud es para una renovación para descargar aguas residuales domésticas tratadas a un flujo promedio anual de 20,000,000 galones por día a través del Emisario 001.

Se espera que las descargas de la instalación contengan demanda bioquímica carbonosa de oxígeno de cinco dias, sólidos suspendidos totales, nitrógeno amoniacal y enterococos. Aguas residuales domésticas están tratado por cuatro cribas de barras mecánicas, cuatro unidades de eliminación de arena, dos unidades de control de olores, cuatro tanques de aireación, seis tanques de reaireación, ocho clarificadores secundarios, cuatro digestores aeróbicos, un filtro prensa de banda y cuatro futuros biorreactores.

ATTACHMENT C

USGS Map Admin Rpt 1.0, Section 13



ATTACHMENT D

Supplemental Permit Information Form SPIF

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:RenewalMajor Ame	endmentNinor AmendmentNew
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 <u>WQ-ARPTeam@tceq.texas.gov</u> or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: <u>City of Corpus Christi</u>

Permit No. WQ00 <u>10401004</u>

EPA ID No. TX <u>0047058</u>

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

The facility is located at 501 Nile Drive Corpus Christi, Nueces County, Texas 78412.

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): <u>Mr.</u>

First and Last Name: <u>Earl Richardson</u> Credential (P.E, P.G., Ph.D., etc.): <u>N/A</u> Title: <u>Wastewater Treatment Plant Manager</u> Mailing Address: <u>2726 Holly Rd</u> City, State, Zip Code: <u>Corpus Christi, Texas 78415</u> Phone No.: <u>(361) 826-1848</u> Ext.: <u>N/A</u> Fax No.: <u>(361) 826-1889</u> E-mail Address: <u>EarlRi@cctexas.com</u>

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

<u>N/A</u>

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.

<u>Effluent is discharged directly to Blind Oso Bay in Segment No. 2486 of the Bays and Estuaries</u>

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). <u>See SPIF 1 and SPIF 2</u>

Provide original photographs of any structures 50 years or older on the property. See SPIF 3

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):

Approximately 1.75 acres will be disturbed, and excavation will occur to a depth of up to 18 feet.

Describe existing disturbances, vegetation, and land use:
 Existing disturbances, vegetation, and land use are those typical of a wastewater treatment plant and its operation.

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: <u>N/A</u>
- 4. Provide a brief history of the property, and name of the architect/builder, if known. <u>N/A</u>



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Photo 1 - Lift Station #1 - 1943



Photo 2 - Blower House #5 - Converted to Storage Building - 1943

SPIF 3-1 "Z:\Shared\Projects\Water\0537\062-01\05 Project Work\05 Permitting\Oso\01 Permit Application\Attachments\SPIF 3_Structures Over 50.docx"



Photo 3 - Aerobic Digester #2 - 1950



Photo 4 - Aerobic Digester #3 - 1950

SPIF 3-2 "Z:\Shared\Projects\Water\0537\062-01\05 Project Work\05 Permitting\Oso\01 Permit Application\Attachments\SPIF 3_Structures Over 50.docx"



Photo 5 – Blower House #1 – Converted to Storage Building - 1954



Photo 6 - Headworks-1954

SPIF 3-3 "Z:\Shared\Projects\Water\0537\062-01\05 Project Work\05 Permitting\Oso\01 Permit Application\Attachments\SPIF 3_Structures Over 50.docx"



Photo 7 – West CCC Pump House - 1954



Photo 8 - Lift Station #2 -1962

SPIF 3-4 "Z:\Shared\Projects\Water\0537\062-01\05 Project Work\05 Permitting\Oso\01 Permit Application\Attachments\SPIF 3_Structures Over 50.docx"



Photo 9 - Blower House #3 - 1964



Photo 10 - East CCC Pump House-1964

SPIF 3-5
"Z:\Shared\Projects\Water\0537\062-01\05 Project Work\05 Permitting\Oso\01 Permit Application\Attachments\SPIF
3_Structures Over 50.docx"



Photo 11 – East Chlorine House #2 – NOT IN USE - 1964

ATTACHMENT E

Treatment Process Description Tech Rpt 1.0, Section 2.A

ATTACHMENT E CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION TREATMENT PROCESS DESCRIPTION

INTERIM I (16.2), INTERIM II (18 MGD), AND FINAL PHASES (24 MGD)

The Oso WRP includes an activated sludge biological nutrient removal process with Bioreactors. In the Interim I, Interim II, and Final Phases, raw wastewater enters four (4) mechanical bar screens and four (4) grit removal units at the headworks. Screenings and dewatered grit are diverted to a haul-off container at the screenings and grit room and disposed of at Cefe Valenzuela Landfill. Screened wastewater enters a splitter box downstream of grit removal units and is diverted to three (3) Bioreactors during Interim II and Interim III Phases and a newly constructed Bioreactor during the Final Phase. The new and rehabilitated Bioreactors will include anoxic and aerobic zones, fine bubble diffusers, Internal Mixed Liguor Return (IMLR) pumps, and a step feed configuration to allow the process to accommodate wet weather flows. Mixed liquor suspended solids will be returned to anoxic zones located at the head of the process and sent to secondary clarifiers simultaneously. Supernatant from the secondary clarifiers is routed through the chlorine contact chambers, chlorinated with sodium hypochlorite, dechlorinated using sodium bisulfite, and discharged via Outfall 001. RAS will be pumped from the secondary clarifiers to the anoxic zones. WAS will be pumped from the RAS channel to aerobic digesters. Digested sludge will remain as Interim I Phase with sludge pumped from the aerobic digesters to the belt filter press where it is mixed with polymer, dewatered via belt filter press. Filtrate from the belt filter press is returned to the headworks and dewatered sludge is collected in haul-off containers and disposed of at Cefe Valenzuela Landfill.

ATTACHMENT F

List of Treatment Units Teach Rpt 1.0, Section 2.B

ATTACHMENT F CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION LIST OF TREATMENT UNITS

Interim I Phase

(Trains 1 & 2 – 16.2 MGD)

Unit Type	Quantity	Dimensions (W x L x SWD)
Mechanical Bar Screen	4	N/A
Grit Removal Unit	4	12' Dia.
Odor Control Unit	2	N/A
Bioreactors 1 & 2	2	31' x 165' x 15.7'
Bioreactor 3	1	77' x 315' x 15.7'
Secondary Clarifier	8	57' x 194' x 15'
Chlorine Contact Chamber	4	70' Dia. x 8.7' SWD
Aerobic Digester No. 1	1	40' x 150' x 15'
Aerobic Digester No. 2, 3	2	75' Dia. x 20.75' SWD
Aerobic Digester No. 4	1	30' x 160' x 15'
Belt Filter Press	4	N/A

Interim II Phase

(Trains 1, 2, & 3 – 18.0 MGD)

Unit Type	Quantity	Dimensions (W x L x SWD)
Mechanical Bar Screen	4	N/A
Grit Removal Unit	4	12' Dia.
Odor Control Unit	2	N/A
Bioreactors 1 & 2	2	155' x 165' x 15.7'
Bioreactor 3	1	77' x 315' x 15.7'
Secondary Clarifier	8	57' x 194' x 15'
Chlorine Contact Chamber	4	70' Dia. x 8.7'
Aerobic Digester No. 1	1	40' x 150' x 15'
Aerobic Digester No. 2, 3	2	75' Dia. x 20.75'
Aerobic Digester No. 4	1	30' x 160' x 15'
Belt Filter Press	4	N/A

ATTACHMENT F CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION LIST OF TREATMENT UNITS

Final Phase

(Trains	1,	2,	3,	&	4 –	24	.0	MGD)
---------	----	----	----	---	-----	----	----	------

Unit Type	Quantity	Dimensions (W x L x SWD)
Mechanical Bar Screen	4	N/A
Grit Removal Unit	4	12' Dia.
Odor Control Unit	2	N/A
Bioreactors 1 & 2	2	155' x 165' x 15.7'
Bioreactor 3 & 4	2	77' x 315' x 15.7'
Secondary Clarifier	8	57' x 194' x 15'
Chlorine Contact Chamber	4	70' Dia. x 8.7'
Aerobic Digester No. 1	1	40' x 150' x 15'
Aerobic Digester No. 2, 3	2	75' Dia. x 20.75'
Aerobic Digester No. 4	1	30' x 160' x 15'
Belt Filter Press	4	N/A

ATTACHMENT G

Process Flow Diagram Tech Rpt 1.0, Section 2.C



Process Flow Diagram.pptx" σ TEXAS REGISTERED ENGINEERING FIRM F-13 "C:\Users\ahughes\Plummer\0537-062-01 - Internal - 05 Project Work\05 Permitting\Oso\01 Permit Application\Attachments\Att_

ATTACHMENT H

Site Drawing Tech Rpt 1.0, Section 3



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ATTACHMENT I

Pollutant Analysis of Treated Effluent Tech Rpt 1.0, Section 7; Wks 4.0 Section 1 & 2



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez Water Utilities Laboratory 13101 Leopard St. Corpus Christi, Texas 78410 Generated 12/1/2024 7:44:30 PM

JOB DESCRIPTION

OSO Raw and Final, 11/5/24

JOB NUMBER

560-122237-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





Eurofins Corpus Christi

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com (210)344-9751

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2

Qualifiers

GC/MS VOA	A	
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	_
GC/MS Sem	ni VOA	5
Qualifier	Qualifier Description	
*_	LCS and/or LCSD is outside acceptance limits, low biased.	
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
S1-	Surrogate recovery exceeds control limits, low biased.	
S1+	Surrogate recovery exceeds control limits, high biased.	8
GC Semi VC	A	
Qualifier	Qualifier Description	9
*+	LCS and/or LCSD is outside acceptance limits, high biased.	
*1	LCS/LCSD RPD exceeds control limits.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
S1+	Surrogate recovery exceeds control limits, high biased.	
HPLC/IC		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Metals		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	

General Chemistry

Qualifier	Qualifier Description
Н	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossarv

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

2

Glossary (Continued)

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

Eurofins Corpus Christi

Job ID: 560-122237-1

Eurofins Corpus Christi

Job Narrative 560-122237-1

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

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

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

Receipt

The samples were received on 11/5/2024 8:13 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4°C and 4.1°C.

Subcontract Work

Methods 614 Parathion and Malathion (Ana Lab), 622 Guthion, Chlorpyrifos, Demeton, Diazinon (Ana Lab), 632 Danitol (Ana Lab): These methods were subcontracted to Ana-Lab Corporation. The subcontract laboratory certifications are different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

GC/MS VOA

Method 624.1: The following sample was diluted due to the nature of the sample matrix: OSO Raw (560-122237-1). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method 625.1: During the extraction process, heavy emulsion occurred. Sample was filtered through sodium sulfate to remove emulsion.

Method 625.1: The surrogate recovery for the laboratory control sample and laboratory control sample duplicate associated with preparation batch 860-198892 and analytical batch 860-199087 was outside the upper control limits.

Method 625.1: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-198892 and analytical batch 860-199087 recovered outside control limits for the following analytes: multiple analytes. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 625.1: The laboratory control sample (LCS) for preparation batch 860-198892 and analytical batch 860-199087 recovered outside control limits for the following analyte: Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 625.1: The continuing calibration verification (CCV) associated with batch 860-199233 for N-Nitrosodimethylamine (20-125%) and Pyridine (5-94%) within control limits % recoveries for these analytes based on laboratory control charts.

Method 625.1: The following sample was diluted due to the nature of the sample matrix: OSO Raw (560-122237-1). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

Method 615_MOD: Surrogate recovery for the following sample was outside the upper control limit: OSO Final (560-122237-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 615_MOD: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for

Job ID: 560-122237-1 (Continued) Eurofins Corpus Christi

preparation batch 860-198654 and analytical batch 860-198926 recovered outside control limits for the following analytes: Silvex (2,4,5-TP).

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

PCBs

Method 608.3_PCB: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 860-199234 and analytical batch 860-199432 recovered outside control limits for the following analytes: PCB-1016. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Pesticides

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

HPLC/IC

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

Metals

Method 1631E: The following sample was diluted due to the nature of the sample matrix: OSO Raw (560-122237-1). Elevated reporting limits (RLs) are provided.

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

General Chemistry

Method 4500_CN_I: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to a failing Laboratory Control Spike (LCS) on the initial trial. : OSO Raw (560-122237-1) and OSO Final (560-122237-2).

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

12/1/2024

Client: Water Utilities Laboratory Project/Site: OSO Raw and Final, 11/5/24

Client Sample ID: OSO Raw

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trihalomethanes, Total	4.6		0.50	0.20	ug/L	1	_	524.2	Total/NA
Bromodichloromethane	0.88		0.50	0.10	ug/L	1		524.2	Total/NA
Bromoform	0.96		0.50	0.20	ug/L	1		524.2	Total/NA
Chloroform	1.2		0.50	0.20	ug/L	1		524.2	Total/NA
Dibromochloromethane	1.6		0.50	0.10	ug/L	1		524.2	Total/NA
Chloroform	1.3	J	2.0	0.93	ug/L	2		624.1	Total/NA
1,4-Dichlorobenzene	2.0		2.0	0.90	ug/L	2		624.1	Total/NA
Toluene	2.5		2.0	0.95	ug/L	2		624.1	Total/NA
m & p - Cresol	24	J	50	13	ug/L	5		625.1	Total/NA
Total Cresols	24	J	50	13	ug/L	5		625.1	Total/NA
Mercury	0.094		0.0050	0.0014	ug/L	1		1631E	Total/NA
Nitrate Nitrite as N	380	J	500	250	ug/L	5		353.2	Total/NA
Cyanide, Total	0.0038	J	0.0050	0.0020	mg/L	1		Kelada 01	Total/NA

Client Sample ID: OSO Final

Analyte Result Qualifier RL MDL Unit Dil Fac D Method Prep Type Trihalomethanes, Total 220 0.50 524.2 Total/NA 0.20 ug/L 1 Bromodichloromethane 47 0.50 0.10 ug/L 1 524.2 Total/NA Bromoform 0.50 524.2 Total/NA 54 0.20 ug/L 1 Chloroform 17 0.50 0.20 ug/L 1 524.2 Total/NA Dibromochloromethane 98 0.50 0.10 ug/L 524.2 Total/NA 1 Bromodichloromethane 49 1.0 0.55 ug/L 1 624.1 Total/NA Bromoform 57 5.0 0.63 ug/L 1 624.1 Total/NA Chloroform 1.0 0.46 ug/L 624.1 17 1 Total/NA Dibromochloromethane 98 5.0 0.55 ug/L 624.1 Total/NA 1 Fluoride 550 500 1 300.0 Total/NA 100 ug/L 0.0018 1631E Total/NA Mercury 0.00050 0.00014 ug/L 1 Nitrate Nitrite as N 353.2 Total/NA 97 J 100 50 ug/L 1 Cyanide, Weak Acid Dissociable 14 н 10 5.0 ug/L 1 4500-CN E-2016 Total/NA Cyanide, Total 0.013 0.0050 0.0020 mg/L 1 Kelada 01 Total/NA

Client Sample ID: OSO Raw Field Blank

Client Sample ID: OSO Final Field Blank

No Detections.

Client Sample ID: OSO Raw

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Silver	0.36	J	2.0	0.35	ug/L	1	_	200.8	Total
									Recoverable
Aluminum	790		20	3.0	ug/L	1		200.8	Total
									Recoverable
Arsenic	1.7	J	4.0	0.93	ug/L	1		200.8	Total
									Recoverable
Barium	110		4.0	0.95	ug/L	1		200.8	Total
									Recoverable
Chromium	2.9	J	4.0	0.89	ug/L	1		200.8	Total
									Recoverable
Copper	40		4.0	0.69	ug/L	1		200.8	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Corpus Christi

12/1/2024

Lab Sample ID: 560-122237-1

3 4 5 6 7 8 9

Lab Sample ID: 560-122237-2

Lab Sample ID: 560-122237-3



Lab Sample ID: 560-122237-5

No Detections.

Client Sample ID: OSO Raw (Continued)

Lab Sample ID: 560-122237-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	3.0		2.0	0.50	ug/L	1	_	200.8	Total
									Recoverable
Nickel	4.6		2.0	0.49	ug/L	1		200.8	Total
									Recoverable
Lead	2.0		2.0	0.37	ug/L	1		200.8	Total
									Recoverable
Selenium	1.8	J	2.0	0.69	ug/L	1		200.8	Total
									Recoverable
Zinc	110		4.0	0.89	ug/L	1		200.8	Total
									Recoverable
Chromium VI	84		5.0	3.0	ug/L	1		SM 3500 CR B	Total/NA
Client Sample ID: OSO Final						Lal	b S	Sample ID: 5	60-122237-6

Client Sample ID: OSO Final

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	25		20	3.0	ug/L	1	_	200.8	Total
									Recoverable
Arsenic	1.0	J	4.0	0.93	ug/L	1		200.8	Total
									Recoverable
Barium	75		4.0	0.95	ug/L	1		200.8	Total
									Recoverable
Chromium	1.0	J	4.0	0.89	ug/L	1		200.8	Total
									Recoverable
Copper	4.4		4.0	0.69	ug/L	1		200.8	Total
									Recoverable
Molybdenum	1.8	J	2.0	0.50	ug/L	1		200.8	Total
									Recoverable
Nickel	2.7		2.0	0.49	ug/L	1		200.8	Total
									Recoverable
Selenium	1.4	J	2.0	0.69	ug/L	1		200.8	Total
									Recoverable
Zinc	26		4.0	0.89	ug/L	1		200.8	Total
									Recoverable

Client Sample ID: OSO Raw

Date Collected: 11/05/24 06:30 Date Received: 11/05/24 08:13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	4.6		0.50	0.20	ug/L			11/11/24 05:25	1
Method: EPA-DW 524.2 - Volati	ile Organic Comp	oounds (GC	/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.88		0.50	0.10	ug/L			11/11/24 05:25	1
Bromoform	0.96		0.50	0.20	ug/L			11/11/24 05:25	1
Chloroform	1.2		0.50	0.20	ug/L			11/11/24 05:25	1
Dibromochloromethane	1.6		0.50	0.10	ug/L			11/11/24 05:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130			-		11/11/24 05:25	1
Toluene-d8 (Surr)	86		70 - 130					11/11/24 05:25	1
4-Bromofluorobenzene (Surr)	91		70 - 130					11/11/24 05:25	1
1,2-Dichlorobenzene-d4 (Surr)	98		70 - 130					11/11/24 05:25	1

Analyte	Result Q	ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<22		100	22	ug/L			11/07/24 17:03	2
Acrylonitrile	<29		100	29	ug/L			11/07/24 17:03	2
Benzene	<0.92		2.0	0.92	ug/L			11/07/24 17:03	2
Bromodichloromethane	<1.1		2.0	1.1	ug/L			11/07/24 17:03	2
Bromoform	<1.3		10	1.3	ug/L			11/07/24 17:03	2
Bromomethane	<2.8		10	2.8	ug/L			11/07/24 17:03	2
2-Butanone (MEK)	<17		100	17	ug/L			11/07/24 17:03	2
Carbon tetrachloride	<1.8		10	1.8	ug/L			11/07/24 17:03	2
Chlorobenzene	<0.91		2.0	0.91	ug/L			11/07/24 17:03	2
Chloroethane	<4.0		20	4.0	ug/L			11/07/24 17:03	2
2-Chloroethyl vinyl ether	<1.5		10	1.5	ug/L			11/07/24 17:03	2
Chloroform	1.3 J		2.0	0.93	ug/L			11/07/24 17:03	2
Chloromethane	<4.1		20	4.1	ug/L			11/07/24 17:03	2
cis-1,3-Dichloropropene	<0.0021		0.010	0.0021	mg/L			11/07/24 17:03	2
Dibromochloromethane	<1.1		10	1.1	ug/L			11/07/24 17:03	2
1,2-Dibromoethane	<2.0		10	2.0	ug/L			11/07/24 17:03	2
1,2-Dichlorobenzene	<0.86		2.0	0.86	ug/L			11/07/24 17:03	2
1,3-Dichlorobenzene	<0.83		2.0	0.83	ug/L			11/07/24 17:03	2
1,4-Dichlorobenzene	2.0		2.0	0.90	ug/L			11/07/24 17:03	2
1,1-Dichloroethane	<1.3		2.0	1.3	ug/L			11/07/24 17:03	2
1,2-Dichloroethane	<0.74		2.0	0.74	ug/L			11/07/24 17:03	2
1,1-Dichloroethylene	<1.5		2.0	1.5	ug/L			11/07/24 17:03	2
1,2-Dichloropropane	<1.1		10	1.1	ug/L			11/07/24 17:03	2
1,3-Dichloropropene, Total	<2.5		10	2.5	ug/L			11/07/24 17:03	2
Ethylbenzene	<0.77		2.0	0.77	ug/L			11/07/24 17:03	2
Hexachlorobutadiene	<1.3		10	1.3	ug/L			11/07/24 17:03	2
Methylene Chloride	<3.5		10	3.5	ug/L			11/07/24 17:03	2
MTBE	<0.0028		0.010	0.0028	mg/L			11/07/24 17:03	2
Naphthalene	<2.7		20	2.7	ug/L			11/07/24 17:03	2
1,1,2,2-Tetrachloroethane	<0.94		2.0	0.94	ug/L			11/07/24 17:03	2
Tetrachloroethene	<1.3		2.0	1.3	ug/L			11/07/24 17:03	2
Toluene	2.5		2.0	0.95	ug/L			11/07/24 17:03	2
1,2-trans-Dichloroethylene	<0.74		2.0	0.74	ug/L			11/07/24 17:03	2

Matrix: Water

Lab Sample ID: 560-122237-1

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Eurofins Corpus Christi

Client Sample ID: OSO Raw Date Collected: 11/05/24 06:30

Date Received: 11/05/24 08:13

Method: EPA 624.1 - Volatile C	Organic Compoun	ids (GC/MS)	(Continued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	< 0.0025		0.010	0.0025	mg/L			11/07/24 17:03	2
1,1,1-Trichloroethane	<1.2		10	1.2	ug/L			11/07/24 17:03	2
1,1,2-Trichloroethane	<0.82		2.0	0.82	ug/L			11/07/24 17:03	2
Trichloroethene	<3.0		10	3.0	ug/L			11/07/24 17:03	2
Vinyl chloride	<0.86		4.0	0.86	ug/L			11/07/24 17:03	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 124			-		11/07/24 17:03	2
Dibromofluoromethane (Surr)	105		75 - 131					11/07/24 17:03	2
1,2-Dichloroethane-d4 (Surr)	106		63 - 144					11/07/24 17:03	2
Toluene-d8 (Surr)	102		80 - 120					11/07/24 17:03	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<6.9	*+	29	6.9	ug/L		11/11/24 05:23	11/13/24 04:14	5
1,2,4-Trichlorobenzene	<0.0081		0.025	0.0081	mg/L		11/11/24 05:23	11/13/24 04:14	5
Acenaphthylene	<7.0	*+	50	7.0	ug/L		11/11/24 05:23	11/13/24 04:14	5
Anthracene	<7.5	*+	29	7.5	ug/L		11/11/24 05:23	11/13/24 04:14	5
Benzidine	<100	*-	100	100	ug/L		11/11/24 05:23	11/13/24 04:14	5
Benzo[a]anthracene	<0.87	*+	25	0.87	ug/L		11/11/24 05:23	11/13/24 04:14	5
Benzo[a]pyrene	<1.8	*+	25	1.8	ug/L		11/11/24 05:23	11/13/24 04:14	5
3,4-Benzofluoranthene	<10	*+	50	10	ug/L		11/11/24 05:23	11/13/24 04:14	5
Benzo[g,h,i]perylene	<13		50	13	ug/L		11/11/24 05:23	11/13/24 04:14	5
Benzo[k]fluoranthene	<25	*+	25	25	ug/L		11/11/24 05:23	11/13/24 04:14	5
Bis(2-chloroethoxy)methane	<8.8		50	8.8	ug/L		11/11/24 05:23	11/13/24 04:14	5
Bis(2-chloroethyl)ether	<11	*+	50	11	ug/L		11/11/24 05:23	11/13/24 04:14	5
Bis(2-ethylhexyl) phthalate	<1.4	*+	25	1.4	ug/L		11/11/24 05:23	11/13/24 04:14	5
4-Bromophenyl phenyl ether	<0.0013	*+	0.025	0.0013	mg/L		11/11/24 05:23	11/13/24 04:14	5
Butyl benzyl phthalate	<1.7	*+	25	1.7	ug/L		11/11/24 05:23	11/13/24 04:14	5
2-Chloronaphthalene	<2.3	*+	25	2.3	ug/L		11/11/24 05:23	11/13/24 04:14	5
2-Chlorophenol	<3.2	*+	25	3.2	ug/L		11/11/24 05:23	11/13/24 04:14	5
4-Chlorophenyl phenyl ether	<6.4		50	6.4	ug/L		11/11/24 05:23	11/13/24 04:14	5
Chrysene	<1.1	*+	25	1.1	ug/L		11/11/24 05:23	11/13/24 04:14	5
Cresol, o-	<8.1		50	8.1	ug/L		11/11/24 05:23	11/13/24 04:14	5
Dibenzo(a),h)anthracene	<1.2		25	1.2	ug/L		11/11/24 05:23	11/13/24 04:14	5
3,3'-Dichlorobenzidine	<1.7		25	1.7	ug/L		11/11/24 05:23	11/13/24 04:14	5
2,4-Dichlorophenol	<1.6	*+	25	1.6	ug/L		11/11/24 05:23	11/13/24 04:14	5
Diethyl phthalate	<8.0	*+	25	8.0	ug/L		11/11/24 05:23	11/13/24 04:14	5
2,4-Dimethylphenol	<3.2	*+	25	3.2	ug/L		11/11/24 05:23	11/13/24 04:14	5
Dimethyl phthalate	<13	*+	13	13	ug/L		11/11/24 05:23	11/13/24 04:14	5
Di-n-butyl phthalate	<1.3	*+	25	1.3	ug/L		11/11/24 05:23	11/13/24 04:14	5
4,6-Dinitro-2-methylphenol	<7.2		50	7.2	ug/L		11/11/24 05:23	11/13/24 04:14	5
2,4-Dinitrophenol	<8.1		50	8.1	ug/L		11/11/24 05:23	11/13/24 04:14	5
2,4-Dinitrotoluene	<6.6	*+	50	6.6	ug/L		11/11/24 05:23	11/13/24 04:14	5
2,6-Dinitrotoluene	<8.0	*+	25	8.0	ug/L		11/11/24 05:23	11/13/24 04:14	5
Di-n-octyl phthalate	<1.9	*+	25	1.9	ug/L		11/11/24 05:23	11/13/24 04:14	5
1,2-Diphenylhydrazine	<7.4	*+	50	7.4	ug/L		11/11/24 05:23	11/13/24 04:14	5
Fluoranthene	<8.0	*+	25	8.0	ug/L		11/11/24 05:23	11/13/24 04:14	5
Fluorene	<8.1	*+	25	8.1	ug/L		11/11/24 05:23	11/13/24 04:14	5
Hexachlorobenzene	<1.5	*+	25	1.5	ug/L		11/11/24 05:23	11/13/24 04:14	5

Eurofins Corpus Christi

Job ID: 560-122237-1

Lab Sample ID: 560-122237-1 Matrix: Water

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Client Sample ID: OSO Raw Date Collected: 11/05/24 06:30

Date Received: 11/05/24 08:13

Lab Sample ID: 560-122237-1

Matrix: Water

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Analyte	Result	Qualifier	RL	MD	L Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<50		50	5	0 ug/L		11/11/24 05:23	11/13/24 04:14	5
Hexachloroethane	<2.6		24	2.	6 ug/L		11/11/24 05:23	11/13/24 04:14	5
Indeno[1,2,3-cd]pyrene	<11	*+	50	1	1 ug/L		11/11/24 05:23	11/13/24 04:14	5
Isophorone	<8.2		25	8.	2 ug/L		11/11/24 05:23	11/13/24 04:14	5
m & p - Cresol	24	J	50	1	3 ug/L		11/11/24 05:23	11/13/24 04:14	5
Nitrobenzene	<8.3		25	8.	3 ug/L		11/11/24 05:23	11/13/24 04:14	5
2-Nitrophenol	<8.3		50	8.	3 ug/L		11/11/24 05:23	11/13/24 04:14	5
4-Nitrophenol	<36		36	3	6 ug/L		11/11/24 05:23	11/13/24 04:14	5
N-Nitrosodiethylamine	<8.8	*+	50	8.	8 ug/L		11/11/24 05:23	11/13/24 04:14	5
N-Nitrosodimethylamine	<10		50	1	0 ug/L		11/11/24 05:23	11/13/24 04:14	5
N-Nitrosodi-n-butylamine	<7.4		50	7.	4 ug/L		11/11/24 05:23	11/13/24 04:14	5
N-Nitrosodi-n-propylamine	<14		50	1	4 ug/L		11/11/24 05:23	11/13/24 04:14	5
N-Nitrosodiphenylamine	<9.0		50	9.	0 ug/L		11/11/24 05:23	11/13/24 04:14	5
Nonylphenol	<50		50	5	0 ug/L		11/11/24 05:23	11/13/24 04:14	5
2,2'-oxybis[1-chloropropane]	<8.9		50	8.	9 ug/L		11/11/24 05:23	11/13/24 04:14	5
Pentachlorobenzene	<5.4	*+	50	5.	4 ug/L		11/11/24 05:23	11/13/24 04:14	5
Pentachlorophenol	<1.2		50	1.	2 ug/L		11/11/24 05:23	11/13/24 04:14	5
Phenanthrene	<7.1	*+	50	7.	1 ug/L		11/11/24 05:23	11/13/24 04:14	5
Phenol	<2.1		23	2.	1 ug/L		11/11/24 05:23	11/13/24 04:14	5
Pyrene	<0.89	*+	25	0.8	9 ug/L		11/11/24 05:23	11/13/24 04:14	5
Pyridine	<50		50	5	0 ug/L		11/11/24 05:23	11/13/24 04:14	5
1,2,4,5-Tetrachlorobenzene	<6.6	*+	50	6.	6 ug/L		11/11/24 05:23	11/13/24 04:14	5
Total Cresols	24	J	50	1	3 ug/L		11/11/24 05:23	11/13/24 04:14	5
2,4,5-Trichlorophenol	<10	*+	50	1	0 ug/L		11/11/24 05:23	11/13/24 04:14	5
2,4,6-Trichlorophenol	<7.1	*+	25	7.	1 ug/L		11/11/24 05:23	11/13/24 04:14	5
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD TIC	<50		ug/L		2.90	1746-01-6	11/11/24 05:23	11/13/24 04:14	5
bis(2-chloromethyl)ether TIC	NR		ug/mL		4.77	542-88-1	11/11/24 05:23	11/13/24 04:14	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	61		29 - 112				11/11/24 05:23	11/13/24 04:14	5
2-Fluorophenol	19	S1-	28 _ 114				11/11/24 05:23	11/13/24 04:14	5
Nitrobenzene-d5	50		15 - 314				11/11/24 05:23	11/13/24 04:14	5
Phenol-d5	20		8 - 424				11/11/24 05:23	11/13/24 04:14	5
p-Terphenyl-d14 (Surr)	85		20 - 141				11/11/24 05:23	11/13/24 04:14	5
2,4,6-Tribromophenol	64		31 - 132				11/11/24 05:23	11/13/24 04:14	5
Method: EPA 608 3 - Organochio	rine Pesticides	s in Water							
method. El A 000.0 - Organocino									

4,4'-DDD 0.010 0.00081 ug/L 11/12/24 12:23 11/14/24 14:52 < 0.00081 1 4,4'-DDE 0.0011 ug/L 11/12/24 12:23 11/14/24 14:52 < 0.0011 0.010 1 4,4'-DDT <0.0038 0.020 0.0038 ug/L 11/12/24 12:23 11/14/24 14:52 1 0.0011 ug/L Aldrin <0.0011 0.010 11/12/24 12:23 11/14/24 14:52 1 alpha-BHC < 0.0014 0.0090 0.0014 ug/L 11/12/24 12:23 11/14/24 14:52 1 beta-BHC <0.0039 0.018 0.0039 ug/L 11/12/24 12:23 11/14/24 14:52 1 Chlordane <0.10 0.25 0.10 ug/L 11/12/24 12:23 11/14/24 14:52 1 delta-BHC < 0.0025 0.25 0.0025 ug/L 11/12/24 12:23 11/14/24 14:52 1 Dicofol < 0.050 0.10 0.050 ug/L 11/12/24 12:23 11/14/24 14:52 1 Dieldrin < 0.00095 0.010 0.00095 ug/L 11/12/24 12:23 11/14/24 14:52 1

Eurofins Corpus Christi
Client Sample ID: OSO Raw Date Collected: 11/05/24 06:30

Date Received: 11/05/24 08:13

Method: EPA 608.3 - Organoch	Iorine Pesticides in	n Water (C	Continued)							
Analyte	Result Q	ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	5
Endosulfan I	<0.0011		0.010	0.0011	ug/L		11/12/24 12:23	11/14/24 14:52	1	
Endosulfan II	<0.0012		0.010	0.0012	ug/L		11/12/24 12:23	11/14/24 14:52	1	
Endosulfan sulfate	<0.0011		0.010	0.0011	ug/L		11/12/24 12:23	11/14/24 14:52	1	
Endrin	<0.0016		0.010	0.0016	ug/L		11/12/24 12:23	11/14/24 14:52	1	
Endrin aldehyde	<0.0012		0.010	0.0012	ug/L		11/12/24 12:23	11/14/24 14:52	1	
gamma-BHC (Lindane)	<0.0030		0.010	0.0030	ug/L		11/12/24 12:23	11/14/24 14:52	1	8
Heptachlor	<0.0045		0.0090	0.0045	ug/L		11/12/24 12:23	11/14/24 14:52	1	
Heptachlor epoxide	<0.0013		0.010	0.0013	ug/L		11/12/24 12:23	11/14/24 14:52	1	Q
Methoxychlor	<0.0039		0.020	0.0039	ug/L		11/12/24 12:23	11/14/24 14:52	1	3
Mirex	<0.020		0.020	0.020	ug/L		11/12/24 12:23	11/14/24 14:52	1	
Toxaphene	<0.077		0.20	0.077	ug/L		11/12/24 12:23	11/14/24 14:52	1	
Surrogate	%Recovery Q	ualifier	Limits				Prepared	Analyzed	Dil Fac	
DCB Decachlorobiphenyl (Surr)	103		15 - 136				11/12/24 12:23	11/14/24 14:52	1	
Tetrachloro-m-xylene	50		18 - 126				11/12/24 12:23	11/14/24 14:52	1	

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.013	*+	0.10	0.013	ug/L		11/12/24 12:23	11/13/24 14:58	1
PCB-1221	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 14:58	1
PCB-1232	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 14:58	1
PCB-1242	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 14:58	1
PCB-1248	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 14:58	1
PCB-1254	<0.0078		0.10	0.0078	ug/L		11/12/24 12:23	11/13/24 14:58	1
PCB-1260	<0.0078		0.10	0.0078	ug/L		11/12/24 12:23	11/13/24 14:58	1
Polychlorinated biphenyls, Total	<0.10		0.10	0.10	ug/L		11/12/24 12:23	11/13/24 14:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	37		18 - 126	11/12/24 12:23	11/13/24 14:58	1
DCB Decachlorobiphenyl (Surr)	57		15 - 136	11/12/24 12:23	11/13/24 14:58	1

Method: EPA-01 615 - Herbicides (GC)									
Analyte	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D <	0.054		0.20	0.054	ug/L		11/08/24 11:47	11/11/24 14:40	1
Silvex (2,4,5-TP) <	0.042	*1	0.20	0.042	ug/L		11/08/24 11:47	11/11/24 14:40	1
Hexachlorophene	<0.81		5.0	0.81	ug/L		11/08/24 11:47	11/11/24 14:40	1
Surrogate %Rec	overy	Qualifier	Limits				Prepared	Analyzed	Dil Fac
	440		45 450				11/00/01 11.17	11/11/24 14:40	1
2,4-Dichlorophenylacetic acid	110		45 - 150				11/08/24 11:47	11/11/24 14.40	1
2,4-Dichlorophenylacetic acid Method: EPA 300.0 - Anions, Ion Chromate	ograp	bhy	45 - 150				11/08/24 11:47	11/11/24 14.40	I
2,4-Dichlorophenylacetic acid Method: EPA 300.0 - Anions, Ion Chromate Analyte	ograp esult	<mark>ohy</mark> Qualifier	45 - 150 	MDL	Unit	<u>D</u>	Prepared	Analyzed	 Dil Fac
2,4-Dichlorophenylacetic acid Method: EPA 300.0 - Anions, Ion Chromate Analyte Fluoride	grap esult <100	bhy Qualifier	45 - 150 	MDL 100	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid Method: EPA 300.0 - Anions, Ion Chromate Analyte Fluoride Method: EPA-01 632 - Carbamate and Urea	esult <100	und State St	45 - 150 <u>RL</u> 500 -	MDL 100	Unit ug/L	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid Method: EPA 300.0 - Anions, Ion Chromate Analyte Fluoride Method: EPA-01 632 - Carbamate and Ure Analyte	esult Pesult Pes Pesult	ohy Qualifier ticides (HPL Qualifier	45 - 150 <u>RL</u> 500 -C) <u>RL</u>	MDL 100 MDL	Unit ug/L Unit	D	Prepared Prepared	Analyzed 11/13/24 21:23 Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid Method: EPA 300.0 - Anions, Ion Chromate Analyte Fluoride Method: EPA-01 632 - Carbamate and Ures Analyte Carbaryl	ograp esult <100 Pes esult <190	Dhy Qualifier ticides (HPL Qualifier	45 - 150 <u>RL</u> 500 <u>RL</u> 500	MDL 100 MDL 190	Unit ug/L Unit ug/L	D	Prepared Prepared 11/07/24 14:05	Analyzed 11/13/24 21:23 Analyzed 11/15/24 17:10	

Eurofins Corpus Christi

Job ID: 560-122237-1

Lab Sample ID: 560-122237-1

Matrix: Water

Client Sample ID: OSO Raw

Date Collected: 11/05/24 06:30 Date Received: 11/05/24 08:13

Method: EPA 1631E - Mercury, Low L	evel (CVA	FS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.094		0.0050	0.0014	ug/L		11/14/24 14:00	11/15/24 10:01	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	380	J	500	250	ug/L			11/15/24 18:56	5
Cyanide, Weak Acid Dissociable (SM 4500-CN E-2016)	<5.0	н	10	5.0	ug/L		11/21/24 18:45	11/22/24 11:49	1
Cyanide, Total (EPA Kelada 01)	0.0038	J	0.0050	0.0020	mg/L			11/11/24 15:33	1
Client Sample ID: OSO Final							Lab Samp	le ID: 560-12	2237-2
Date Collected: 11/05/24 06:00								Matrix	k: Water

Date Received: 11/05/24 08:13

Method: EPA-DW 524.2 - Total Triha	lomethanes	i							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	220		0.50	0.20	ug/L			11/11/24 05:50	1

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	47		0.50	0.10	ug/L			11/11/24 05:50	1
Bromoform	54		0.50	0.20	ug/L			11/11/24 05:50	1
Chloroform	17		0.50	0.20	ug/L			11/11/24 05:50	1
Dibromochloromethane	98		0.50	0.10	ug/L			11/11/24 05:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		70 _ 130			-		11/11/24 05:50	1
Toluene-d8 (Surr)	100		70 - 130					11/11/24 05:50	1
4-Bromofluorobenzene (Surr)	99		70 - 130					11/11/24 05:50	1
1.2-Dichlorobenzene-d4 (Surr)	101		70 - 130					11/11/24 05:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<11		50	11	ug/L			11/07/24 16:44	1
Acrylonitrile	<14		50	14	ug/L			11/07/24 16:44	1
Benzene	<0.46		1.0	0.46	ug/L			11/07/24 16:44	1
Bromodichloromethane	49		1.0	0.55	ug/L			11/07/24 16:44	1
Bromoform	57		5.0	0.63	ug/L			11/07/24 16:44	1
Bromomethane	<1.4		5.0	1.4	ug/L			11/07/24 16:44	1
2-Butanone (MEK)	<8.3		50	8.3	ug/L			11/07/24 16:44	1
Carbon tetrachloride	<0.90		5.0	0.90	ug/L			11/07/24 16:44	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			11/07/24 16:44	1
Chloroethane	<2.0		10	2.0	ug/L			11/07/24 16:44	1
2-Chloroethyl vinyl ether	<0.75		5.0	0.75	ug/L			11/07/24 16:44	1
Chloroform	17		1.0	0.46	ug/L			11/07/24 16:44	1
Chloromethane	<2.0		10	2.0	ug/L			11/07/24 16:44	1
cis-1,3-Dichloropropene	<0.0011		0.0050	0.0011	mg/L			11/07/24 16:44	1
Dibromochloromethane	98		5.0	0.55	ug/L			11/07/24 16:44	1
1,2-Dibromoethane	<1.0		5.0	1.0	ug/L			11/07/24 16:44	1
1,2-Dichlorobenzene	<0.43		1.0	0.43	ug/L			11/07/24 16:44	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/07/24 16:44	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			11/07/24 16:44	1

Matrix: Water

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Lab Sample ID: 560-122237-1

Client Sample ID: OSO Final Date Collected: 11/05/24 06:00

Date Received: 11/05/24 08:13

Lab Sample ID: 560-122237-2

Matrix: Water

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Method: EPA 624.1 - Volatile C	Prganic Compounds	s (GC/MS)	(Continued)						
Analyte	Result Q	ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	<0.64		1.0	0.64	ug/L			11/07/24 16:44	1
1,2-Dichloroethane	<0.37		1.0	0.37	ug/L			11/07/24 16:44	1
1,1-Dichloroethylene	<0.74		1.0	0.74	ug/L			11/07/24 16:44	1
1,2-Dichloropropane	<0.56		5.0	0.56	ug/L			11/07/24 16:44	1
1,3-Dichloropropene, Total	<1.3		5.0	1.3	ug/L			11/07/24 16:44	1
Ethylbenzene	<0.39		1.0	0.39	ug/L			11/07/24 16:44	1
Hexachlorobutadiene	<0.63		5.0	0.63	ug/L			11/07/24 16:44	1
Methylene Chloride	<1.7		5.0	1.7	ug/L			11/07/24 16:44	1
МТВЕ	<0.0014		0.0050	0.0014	mg/L			11/07/24 16:44	1
Naphthalene	<1.4		10	1.4	ug/L			11/07/24 16:44	1
1,1,2,2-Tetrachloroethane	<0.47		1.0	0.47	ug/L			11/07/24 16:44	1
Tetrachloroethene	<0.66		1.0	0.66	ug/L			11/07/24 16:44	1
Toluene	<0.48		1.0	0.48	ug/L			11/07/24 16:44	1
1,2-trans-Dichloroethylene	<0.37		1.0	0.37	ug/L			11/07/24 16:44	1
trans-1,3-Dichloropropene	<0.0013		0.0050	0.0013	mg/L			11/07/24 16:44	1
1,1,1-Trichloroethane	<0.59		5.0	0.59	ug/L			11/07/24 16:44	1
1,1,2-Trichloroethane	<0.41		1.0	0.41	ug/L			11/07/24 16:44	1
Trichloroethene	<1.5		5.0	1.5	ug/L			11/07/24 16:44	1
Vinyl chloride	<0.43		2.0	0.43	ug/L			11/07/24 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		74 - 124		11/07/24 16:44	1
Dibromofluoromethane (Surr)	105		75 _ 131		11/07/24 16:44	1
1,2-Dichloroethane-d4 (Surr)	106		63 - 144		11/07/24 16:44	1
Toluene-d8 (Surr)	100		80 - 120		11/07/24 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.4	*+	5.7	1.4	ug/L		11/11/24 05:23	11/13/24 22:15	1
1,2,4-Trichlorobenzene	<0.0016		0.0050	0.0016	mg/L		11/11/24 05:23	11/13/24 22:15	1
Acenaphthylene	<1.4	*+	10	1.4	ug/L		11/11/24 05:23	11/13/24 22:15	1
Anthracene	<1.5	*+	5.7	1.5	ug/L		11/11/24 05:23	11/13/24 22:15	1
Benzidine	<20	*_	20	20	ug/L		11/11/24 05:23	11/13/24 22:15	1
Benzo[a]anthracene	<0.17	*+	5.0	0.17	ug/L		11/11/24 05:23	11/13/24 22:15	1
Benzo[a]pyrene	<0.36	*+	5.0	0.36	ug/L		11/11/24 05:23	11/13/24 22:15	1
3,4-Benzofluoranthene	<2.0	*+	10	2.0	ug/L		11/11/24 05:23	11/13/24 22:15	1
Benzo[g,h,i]perylene	<2.7		10	2.7	ug/L		11/11/24 05:23	11/13/24 22:15	1
Benzo[k]fluoranthene	<5.0	*+	5.0	5.0	ug/L		11/11/24 05:23	11/13/24 22:15	1
Bis(2-chloroethoxy)methane	<1.8		10	1.8	ug/L		11/11/24 05:23	11/13/24 22:15	1
Bis(2-chloroethyl)ether	<2.2	*+	10	2.2	ug/L		11/11/24 05:23	11/13/24 22:15	1
Bis(2-ethylhexyl) phthalate	<0.28	*+	5.0	0.28	ug/L		11/11/24 05:23	11/13/24 22:15	1
4-Bromophenyl phenyl ether	<0.00026	*+	0.0050	0.00026	mg/L		11/11/24 05:23	11/13/24 22:15	1
Butyl benzyl phthalate	<0.34	*+	5.0	0.34	ug/L		11/11/24 05:23	11/13/24 22:15	1
2-Chloronaphthalene	<0.46	*+	5.0	0.46	ug/L		11/11/24 05:23	11/13/24 22:15	1
2-Chlorophenol	<0.65	*+	5.0	0.65	ug/L		11/11/24 05:23	11/13/24 22:15	1
4-Chlorophenyl phenyl ether	<1.3		10	1.3	ug/L		11/11/24 05:23	11/13/24 22:15	1
Chrysene	<0.22	*+	5.0	0.22	ug/L		11/11/24 05:23	11/13/24 22:15	1
Cresol, o-	<1.6		10	1.6	ug/L		11/11/24 05:23	11/13/24 22:15	1
Dibenzo(a),h)anthracene	<0.25		5.0	0.25	ug/L		11/11/24 05:23	11/13/24 22:15	1
3,3'-Dichlorobenzidine	<0.34		5.0	0.34	ug/L		11/11/24 05:23	11/13/24 22:15	1

Client Sample ID: OSO Final Date Collected: 11/05/24 06:00

Date Received: 11/05/24 08:13

Lab Sample ID: 560-122237-2

Matrix: Water

wetnod: EPA 625.1 - Semivolatil	e Organic Com	pounds (G	C/MS) (Con	unued)					
Analyte	Result	Qualifier	RL	MC	L Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	<0.31	*+	5.0	0.3	31 ug/L		11/11/24 05:23	11/13/24 22:15	1
Diethyl phthalate	<1.6	*+	5.0	1	.6 ug/L		11/11/24 05:23	11/13/24 22:15	1
2,4-Dimethylphenol	<0.65	*+	5.0	0.6	5 ug/L		11/11/24 05:23	11/13/24 22:15	1
Dimethyl phthalate	<2.5	*+	2.5	2	.5 ug/L		11/11/24 05:23	11/13/24 22:15	1
Di-n-butyl phthalate	<0.25	*+	5.0	0.2	25 ug/L		11/11/24 05:23	11/13/24 22:15	1
4,6-Dinitro-2-methylphenol	<1.4		10	1	.4 ug/L		11/11/24 05:23	11/13/24 22:15	1
2,4-Dinitrophenol	<1.6		10	1	.6 ug/L		11/11/24 05:23	11/13/24 22:15	1
2,4-Dinitrotoluene	<1.3	*+	10	1	.3 ug/L		11/11/24 05:23	11/13/24 22:15	1
2,6-Dinitrotoluene	<1.6	*+	5.0	1	.6 ug/L		11/11/24 05:23	11/13/24 22:15	1
Di-n-octyl phthalate	<0.37	*+	5.0	0.3	87 ug/L		11/11/24 05:23	11/13/24 22:15	1
1,2-Diphenylhydrazine	<1.5	*+	10	1	.5 ug/L		11/11/24 05:23	11/13/24 22:15	1
Fluoranthene	<1.6	*+	5.0	1	.6 ug/L		11/11/24 05:23	11/13/24 22:15	1
Fluorene	<1.6	*+	5.0	1	.6 ug/L		11/11/24 05:23	11/13/24 22:15	1
lexachlorobenzene	<0.31	*+	5.0	0.3	1 ug/L		11/11/24 05:23	11/13/24 22:15	1
lexachlorocyclopentadiene	<10		10	1	0 ug/L		11/11/24 05:23	11/13/24 22:15	1
lexachloroethane	<0.53		4.8	0.5	i3 ug/L		11/11/24 05:23	11/13/24 22:15	1
ndeno[1,2,3-cd]pyrene	<2.3	*+	10	2	.3 ug/L		11/11/24 05:23	11/13/24 22:15	1
sophorone	<1.6		5.0	1	.6 ug/L		11/11/24 05:23	11/13/24 22:15	1
n & p - Cresol	<2.6		10	2	.6 ug/L		11/11/24 05:23	11/13/24 22:15	1
litrobenzene	<1.7		5.0	1	.7 ug/L		11/11/24 05:23	11/13/24 22:15	1
-Nitrophenol	<1.7		10	1	.7 ug/L		11/11/24 05:23	11/13/24 22:15	1
Nitrophenol	<7.2		7.2	7	.2 ug/L		11/11/24 05:23	11/13/24 22:15	1
I-Nitrosodiethylamine	<1.8	*+	10	1	.8 ug/L		11/11/24 05:23	11/13/24 22:15	1
I-Nitrosodimethylamine	<2.0		10	2	.0 ug/L		11/11/24 05:23	11/13/24 22:15	1
I-Nitrosodi-n-butylamine	<1.5		10	1	.5 ug/L		11/11/24 05:23	11/13/24 22:15	1
I-Nitrosodi-n-propylamine	<2.9		10	2	.9 ua/L		11/11/24 05:23	11/13/24 22:15	1
I-Nitrosodiphenvlamine	<1.8		10		.8 ua/L		11/11/24 05:23	11/13/24 22:15	1
	<10		10		0 ua/L		11/11/24 05:23	11/13/24 22:15	1
.2'-oxybis[1-chloropropane]	<1.8		10	1	.8 ua/L		11/11/24 05:23	11/13/24 22:15	1
Pentachlorobenzene	<1.1	*+	10		1 ua/L		11/11/24 05:23	11/13/24 22:15	
Pentachlorophenol	<0.23		10	02	23 ua/l		11/11/24 05:23	11/13/24 22:15	1
Phenanthrene	<1.4	*+	10	1	4 ua/l		11/11/24 05:23	11/13/24 22:15	1
henol	<0.42		45	04	- 'e'- 2 ua/l		11/11/24 05:23	11/13/24 22:15	· · · · · · · · · · · · · · · · · · ·
Pyrene	<0.12	*+	5.0	0.1	8 ua/l		11/11/24 05:23	11/13/24 22:15	1
Pyridine	<10		10	0.	0 ua/l		11/11/24 05:23	11/13/24 22:15	1
2 4 5-Tetrachlorobenzene	-10 <1 ?	*+	10	1	3 un/l		11/11/24 05:23	11/13/24 22:15	· · · · · · · · · · · · · · · · · · ·
otal Cresols	<22.6		10	י י	6 un/l		11/11/24 05:23	11/13/24 22:15	1
2 4 5-Trichlorophenol	<2.0	*+	10	2	0 ua/l		11/11/24 05:23	11/13/24 22:15	1
2,4,6-Trichlorophenol	<1.4	*+	5.0	1	.4 ug/L		11/11/24 05:23	11/13/24 22:15	1
Fentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
is(2-chloromethyl)ether TIC	<100		ug/L			542-88-1	11/11/24 05:23	11/13/24 22:15	1
2,3,7,8-TCDD TIC	<10		ug/L			1746-01-6	11/11/24 05:23	11/13/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		29 - 112				11/11/24 05:23	11/13/24 22:15	1
2-Fluorophenol	38		28 - 114				11/11/24 05:23	11/13/24 22:15	1
Vitrobenzene-d5	82		15_314				11/11/24 05:23	11/13/24 22:15	1
^{>} henol-d5	26		8 - 424				11/11/24 05:23	11/13/24 22:15	1
p-Terphenyl-d14 (Surr)	92		20 - 141				11/11/24 05:23	11/13/24 22:15	1

Client Sample ID: OSO Final Date Collected: 11/05/24 06:00

Date Received: 11/05/24 08:13

Lab Sample ID: 560-122237-2 Matrix: Water

Dil Fac	5
1	
Dil Fac	
1	
1	8
1	
1	9
1	
1	
1	
1	
1	
1	
1	
1	

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	96		31 - 132				11/11/24 05:23	11/13/24 22:15	1
Method: EPA 608.3 - Organoch	Ilorine Pesticide	s in Water							
Analyte	Result	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.00081		0.010	0.00081	ug/L		11/12/24 12:23	11/13/24 14:41	1
4,4'-DDE	<0.0011		0.010	0.0011	ug/L		11/12/24 12:23	11/13/24 14:41	1
4,4'-DDT	<0.0038		0.020	0.0038	ug/L		11/12/24 12:23	11/13/24 14:41	1
Aldrin	<0.0011		0.010	0.0011	ug/L		11/12/24 12:23	11/13/24 14:41	1
alpha-BHC	<0.0014		0.0090	0.0014	ug/L		11/12/24 12:23	11/13/24 14:41	1
beta-BHC	<0.0039		0.018	0.0039	ug/L		11/12/24 12:23	11/13/24 14:41	1
Chlordane	<0.10		0.25	0.10	ug/L		11/12/24 12:23	11/13/24 14:41	1
delta-BHC	<0.0025		0.25	0.0025	ug/L		11/12/24 12:23	11/13/24 14:41	1
Dicofol	<0.050		0.10	0.050	ug/L		11/12/24 12:23	11/13/24 14:41	1
Dieldrin	<0.00095		0.010	0.00095	ug/L		11/12/24 12:23	11/13/24 14:41	1
Endosulfan I	<0.0011		0.010	0.0011	ug/L		11/12/24 12:23	11/13/24 14:41	1
Endosulfan II	<0.0012		0.010	0.0012	ug/L		11/12/24 12:23	11/13/24 14:41	1
Endosulfan sulfate	<0.0011		0.010	0.0011	ug/L		11/12/24 12:23	11/13/24 14:41	1
Endrin	<0.0016		0.010	0.0016	ug/L		11/12/24 12:23	11/13/24 14:41	1
Endrin aldehyde	<0.0012		0.010	0.0012	ug/L		11/12/24 12:23	11/13/24 14:41	1
gamma-BHC (Lindane)	<0.0030		0.010	0.0030	ug/L		11/12/24 12:23	11/13/24 14:41	1
Heptachlor	<0.0045		0.0090	0.0045	ug/L		11/12/24 12:23	11/13/24 14:41	1
Heptachlor epoxide	<0.0013		0.010	0.0013	ug/L		11/12/24 12:23	11/13/24 14:41	1
Methoxychlor	<0.0039		0.020	0.0039	ug/L		11/12/24 12:23	11/13/24 14:41	1
Mirex	<0.020		0.020	0.020	ug/L		11/12/24 12:23	11/13/24 14:41	1
Toxaphene	<0.077		0.20	0.077	ug/L		11/12/24 12:23	11/13/24 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		15 - 136				11/12/24 12:23	11/13/24 14:41	1
Tetrachloro-m-xylene	65		18 - 126				11/12/24 12:23	11/13/24 14:41	1
 Method: EPA 608.3 - Polychlor	inated Biphenyls	6 (PCBs) (G0	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.013	*+	0.10	0.013	ug/L		11/12/24 12:23	11/13/24 15:10	1
PCB-1221	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 15:10	1
PCB-1232	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 15:10	1
PCB-1242	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 15:10	1
PCB-1248	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 15:10	1
PCB-1254	<0.0078		0.10	0.0078	ug/L		11/12/24 12:23	11/13/24 15:10	1
PCB-1260	<0.0078		0.10	0.0078	ua/L		11/12/24 12:23	11/13/24 15:10	
Polychlorinated biphenyls, Total	<0.10		0.10	0.10	ug/L		11/12/24 12:23	11/13/24 15:10	1
Surrogato	% Bacovary	Qualifier	Limite				Proparad	Analyzod	Dil Eac
Tetrachloro m vylene (Surr)		Quanner	18 126				11/12/24 12:22	11/12/24 15:10	1
DCB Decachlorobiphenvl (Surr)	93		15 - 136				11/12/24 12:23	11/13/24 15:10	1
							•	· · ·····	·
Method: EPA-01 615 - Herbicid	es (GC)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	<0.054		0.20	0.054	ug/L		11/08/24 11:47	11/11/24 15:07	1
Silvex (2,4,5-TP)	<0.042	*1	0.20	0.042	ug/L		11/08/24 11:47	11/11/24 15:07	1
Hexachlorophene	<0.81		5.0	0.81	ug/L		11/08/24 11:47	11/11/24 15:07	1

Job ID: 560-122237-1

Client Sample ID: OSO Final							Lah Samn		2227.2
Chefit Sample ID. 030 Final							Lan Samp	ie ID. 500-12	2231-2
Date Collected: 11/05/24 06:00								Matri	x: water
Date Received: 11/05/24 08:13									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	190	S1+	45 - 150				11/08/24 11:47	11/11/24 15:07	1
	Chromotoore								
Method: EPA 300.0 - Anions, Ion		Oualifier	DI	МПІ	Unit	п	Propared	Analyzod	Dil Eac
Fluoride		Quanner	500	100			Fiepaieu	11/13/24 21:53	1
					s.g, 2				
Method: EPA-01 632 - Carbamate	and Urea Pes	ticides (HPL	- C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1900		5000	1900	ug/L		11/07/24 14:05	11/15/24 17:43	1000
Diuron	<51		90	51	ug/L		11/07/24 14:05	11/15/24 17:43	1000
Method: EPA 1631E - Mercury L	ow Level (CVA	FS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0018		0.00050	0.00014	ug/L		11/06/24 14:00	11/07/24 10:43	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	<u> </u>	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	97	J	100	50	ug/L		44/04/04 40:45	11/15/24 17:25	1
Cyanide, Weak Acid Dissociable (SM 4500-CN E-2016)	14	н	10	5.0	ug/L		11/21/24 18:45	11/22/24 11:50	1
Cyanide, Total (EPA Kelada 01)	0.013		0.0050	0.0020	mg/L			11/11/24 15:36	1
	Field Blenk						Lob Comp		
Client Sample ID: USO Raw							Lab Samp	ie ID: 560-12	2237-3
Date Collected: 11/05/24 06:30								Matrix	x: Water
Date Received: 11/05/24 08:13									
Method: EPA 1631E - Mercury, Lo	ow Level (CVA	FS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00014		0.00050	0.00014	ug/L		11/06/24 14:00	11/07/24 10:48	1
Client Sample ID: OSO Final	Field Blank						Lah Samn	ID: 560-12	2237-4
Date Collected: 11/05/24 06:00							Lab Gamp	Matri	v: Wator
Date Received: 11/05/24 08:13								Math	. Water
Method: EPA 1631E - Mercury, Lo	ow Level (CVA	FS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00014		0.00050	0.00014	ug/L		11/06/24 14:00	11/07/24 10:53	1
Client Sample ID: OSO Raw							Lab Samp	le ID: 560-12	2237-5
Date Collected: 11/05/24 06:30								Matri	x: Water
Date Received: 11/05/24 08:13									
Γ									
Method: EPA 200.8 - Metals (ICP/	MS) - Total Re	coverable				_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver		J		11.1	ug/L		11/11/24 02:21	11/11/1/ 10///	1
	0.36		2.0	0.35			44/44/04 00 01	11/11/24 19.44	
Aluminum	0.36 790		2.0	3.0	ug/L		11/11/24 02:21	11/11/24 19:44	1
Arsenic	0.36 790 1.7	J	2.0 20 4.0	0.35 3.0 0.93	ug/L ug/L		11/11/24 02:21 11/11/24 02:21	11/11/24 19:44 11/11/24 19:44 11/11/24 19:44	1
Arsenic Barium	0.36 790 1.7 110	J	2.0 20 4.0 4.0	0.35 3.0 0.93 0.95	ug/L ug/L ug/L		11/11/24 02:21 11/11/24 02:21 11/11/24 02:21	11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44	1 1 1
Automitani Arsenic Barium Beryllium	0.36 790 1.7 110 <0.38	J	2.0 20 4.0 4.0 2.0	0.35 3.0 0.93 0.95 0.38	ug/L ug/L ug/L ug/L		11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21	11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44	1 1 1 1
Auminum Arsenic Barium Beryllium Cadmium	0.36 790 1.7 110 <0.38 <0.26	J	2.0 20 4.0 2.0 2.0	0.33 3.0 0.93 0.95 0.38 0.26	ug/L ug/L ug/L ug/L ug/L		11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21	11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44	1 1 1 1 1
Aummun Arsenic Barium Beryllium Cadmium Chromium	0.36 790 1.7 110 <0.38 <0.26 2.9	J	2.0 20 4.0 2.0 2.0 4.0	0.33 3.0 0.93 0.95 0.38 0.26 0.89	ug/L ug/L ug/L ug/L ug/L		11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21	11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44	1 1 1 1 1 1
Automitum Arsenic Barium Beryllium Cadmium Chromium Copper	0.36 790 1.7 110 <0.38 <0.26 2.9 40	J	2.0 20 4.0 2.0 2.0 4.0 4.0 4.0	0.33 3.0 0.93 0.95 0.38 0.26 0.89 0.69	ug/L ug/L ug/L ug/L ug/L ug/L		11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21 11/11/24 02:21	11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44 11/11/24 19:44	1 1 1 1 1 1 1 1

Client Sample ID: OSO Raw Date Collected: 11/05/24 06:30

Date Received: 11/05/24 08:13

Method: EPA 200.8 - Metals (ICP/	MS) - Total Re	coverable (C	ontinued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	4.6		2.0	0.49	ug/L		11/11/24 02:21	11/11/24 19:44	1
Lead	2.0		2.0	0.37	ug/L		11/11/24 02:21	11/11/24 19:44	1
Antimony	<1.1		2.0	1.1	ug/L		11/11/24 02:21	11/11/24 19:44	1
Selenium	1.8	J	2.0	0.69	ug/L		11/11/24 02:21	11/11/24 19:44	1
Thallium	<0.22		2.0	0.22	ug/L		11/11/24 02:21	11/11/24 19:44	1
Zinc	110		4.0	0.89	ug/L		11/11/24 02:21	11/11/24 19:44	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium VI (SM 3500 CR B)	84		5.0	3.0	ug/L			11/05/24 14:59	1

Client Sample ID: OSO Final

Date Collected: 11/05/24 06:00 Date Received: 11/05/24 08:13

Method: EPA 200.8 - Metals (ICP	/MS) - Total Re	coverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.35		2.0	0.35	ug/L		11/11/24 02:21	11/11/24 19:46	1
Aluminum	25		20	3.0	ug/L		11/11/24 02:21	11/11/24 19:46	1
Arsenic	1.0	J	4.0	0.93	ug/L		11/11/24 02:21	11/11/24 19:46	1
Barium	75		4.0	0.95	ug/L		11/11/24 02:21	11/11/24 19:46	1
Beryllium	<0.38		2.0	0.38	ug/L		11/11/24 02:21	11/11/24 19:46	1
Cadmium	<0.26		2.0	0.26	ug/L		11/11/24 02:21	11/11/24 19:46	1
Chromium	1.0	J	4.0	0.89	ug/L		11/11/24 02:21	11/11/24 19:46	1
Copper	4.4		4.0	0.69	ug/L		11/11/24 02:21	11/11/24 19:46	1
Molybdenum	1.8	J	2.0	0.50	ug/L		11/11/24 02:21	11/11/24 19:46	1
Nickel	2.7		2.0	0.49	ug/L		11/11/24 02:21	11/11/24 19:46	1
Lead	<0.37		2.0	0.37	ug/L		11/11/24 02:21	11/11/24 19:46	1
Antimony	<1.1		2.0	1.1	ug/L		11/11/24 02:21	11/11/24 19:46	1
Selenium	1.4	J	2.0	0.69	ug/L		11/11/24 02:21	11/11/24 19:46	1
Thallium	<0.22		2.0	0.22	ug/L		11/11/24 02:21	11/11/24 19:46	1
Zinc	26		4.0	0.89	ug/L		11/11/24 02:21	11/11/24 19:46	1
- General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium VI (SM 3500 CR B)	<3.0		5.0	3.0	ua/L			11/05/24 14:59	1

Matrix: Water

Lab Sample ID: 560-122237-6

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 810-121999/5 Matrix: Water Analysis Batch: 121999							Client Sa	ample ID: Metho Prep Type: 1	d Blank ſotal/NA
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.10		0.50	0.10	ug/L			11/11/24 04:09	1
Bromoform	<0.20		0.50	0.20	ug/L			11/11/24 04:09	1
Chloroform	<0.20		0.50	0.20	ug/L			11/11/24 04:09	1
Dibromochloromethane	<0.10		0.50	0.10	ug/L			11/11/24 04:09	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130			-		11/11/24 04:09	1
Toluene-d8 (Surr)	93		70 - 130					11/11/24 04:09	1
4-Bromofluorobenzene (Surr)	93		70 - 130					11/11/24 04:09	1
1,2-Dichlorobenzene-d4 (Surr)	94		70 _ 130					11/11/24 04:09	1

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

Lab Sample ID: MB 860-198294/9 Matrix: Water Analysis Batch: 198294

	MB	ЛВ МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	<11		50	11	ug/L			11/07/24 14:08	1
Acrylonitrile	<14		50	14	ug/L			11/07/24 14:08	1
Benzene	<0.46		1.0	0.46	ug/L			11/07/24 14:08	1
Bromodichloromethane	<0.55		1.0	0.55	ug/L			11/07/24 14:08	1
Bromoform	<0.63		5.0	0.63	ug/L			11/07/24 14:08	1
Bromomethane	<1.4		5.0	1.4	ug/L			11/07/24 14:08	1
2-Butanone (MEK)	<8.3		50	8.3	ug/L			11/07/24 14:08	1
Carbon tetrachloride	<0.90		5.0	0.90	ug/L			11/07/24 14:08	1
Chlorobenzene	<0.46		1.0	0.46	ug/L			11/07/24 14:08	1
Chloroethane	<2.0		10	2.0	ug/L			11/07/24 14:08	1
2-Chloroethyl vinyl ether	<0.75		5.0	0.75	ug/L			11/07/24 14:08	1
Chloroform	<0.46		1.0	0.46	ug/L			11/07/24 14:08	1
Chloromethane	<2.0		10	2.0	ug/L			11/07/24 14:08	1
cis-1,3-Dichloropropene	<0.0011		0.0050	0.0011	mg/L			11/07/24 14:08	1
Dibromochloromethane	<0.55		5.0	0.55	ug/L			11/07/24 14:08	1
1,2-Dibromoethane	<1.0		5.0	1.0	ug/L			11/07/24 14:08	1
1,2-Dichlorobenzene	<0.43		1.0	0.43	ug/L			11/07/24 14:08	1
1,3-Dichlorobenzene	<0.41		1.0	0.41	ug/L			11/07/24 14:08	1
1,4-Dichlorobenzene	<0.45		1.0	0.45	ug/L			11/07/24 14:08	1
1,1-Dichloroethane	<0.64		1.0	0.64	ug/L			11/07/24 14:08	1
1,2-Dichloroethane	<0.37		1.0	0.37	ug/L			11/07/24 14:08	1
1,1-Dichloroethylene	<0.74		1.0	0.74	ug/L			11/07/24 14:08	1
1,2-Dichloropropane	<0.56		5.0	0.56	ug/L			11/07/24 14:08	1
1,3-Dichloropropene, Total	<1.3		5.0	1.3	ug/L			11/07/24 14:08	1
Ethylbenzene	<0.39		1.0	0.39	ug/L			11/07/24 14:08	1
Hexachlorobutadiene	<0.63		5.0	0.63	ug/L			11/07/24 14:08	1
Methylene Chloride	<1.7		5.0	1.7	ug/L			11/07/24 14:08	1
MTBE	<0.0014		0.0050	0.0014	mg/L			11/07/24 14:08	1
Naphthalene	<1.4		10	1.4	ug/L			11/07/24 14:08	1
1,1,2,2-Tetrachloroethane	<0.47		1.0	0.47	ug/L			11/07/24 14:08	1

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

Prep Type: Total/NA

Client Sample ID: Method Blank

11/07/24 14:08

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

<0.43

Lab Sample ID: MB 860-198294/9

Matrix: Water Analysis Batch: 198294

Analyte

Toluene

Vinyl chloride

MB MB Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Tetrachloroethene <0.66 1.0 11/07/24 14:08 0.66 ug/L 1 <0.48 1.0 0.48 ug/L 11/07/24 14:08 1 1,2-trans-Dichloroethylene <0.37 11/07/24 14:08 1.0 0.37 ug/L 1 trans-1,3-Dichloropropene <0.0013 0.0050 0.0013 mg/L 11/07/24 14:08 1 1,1,1-Trichloroethane <0.59 5.0 0.59 ug/L 11/07/24 14:08 1 1,1,2-Trichloroethane <0.41 1.0 0.41 ug/L 11/07/24 14:08 1 Trichloroethene <1.5 5.0 1.5 ug/L 11/07/24 14:08

0.43 ug/L

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		74 - 124		11/07/24 14:08	1
Dibromofluoromethane (Surr)	103		75 - 131		11/07/24 14:08	1
1,2-Dichloroethane-d4 (Surr)	104		63 - 144		11/07/24 14:08	1
Toluene-d8 (Surr)	101		80 - 120		11/07/24 14:08	1

2.0

Lab Sample ID: LCS 860-198294/3

Matrix: Water Analysis Batch: 198294

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acrolein		243		ug/L		97	60 - 140	
Acrylonitrile	500	520		ug/L		104	60 - 140	
Benzene	50.0	54.5		ug/L		109	75 _ 125	
Bromodichloromethane	50.0	53.1		ug/L		106	75 - 125	
Bromoform	50.0	52.3		ug/L		105	70 - 130	
Bromomethane	50.0	43.8		ug/L		88	60 - 140	
2-Butanone (MEK)	250	256		ug/L		102	60 - 140	
Carbon tetrachloride	50.0	55.0		ug/L		110	70 - 125	
Chlorobenzene	50.0	54.0		ug/L		108	82 - 135	
Chloroethane	50.0	45.7		ug/L		91	60 - 140	
2-Chloroethyl vinyl ether	50.0	53.3		ug/L		107	50 - 150	
Chloroform	50.0	55.0		ug/L		110	70 - 121	
Chloromethane	50.0	41.7		ug/L		83	60 _ 140	
cis-1,3-Dichloropropene	0.0500	0.0550		mg/L		110	74 - 125	
Dibromochloromethane	50.0	54.0		ug/L		108	73 - 125	
1,2-Dibromoethane	50.0	53.1		ug/L		106	73 - 125	
1,2-Dichlorobenzene	50.0	54.1		ug/L		108	75 _ 125	
1,3-Dichlorobenzene	50.0	53.8		ug/L		108	75 _ 125	
1,4-Dichlorobenzene	50.0	52.8		ug/L		106	75 - 125	
1,1-Dichloroethane	50.0	54.5		ug/L		109	71 - 130	
1,2-Dichloroethane	50.0	51.8		ug/L		104	72 - 130	
1,1-Dichloroethylene	50.0	55.7		ug/L		111	50 _ 150	
1,2-Dichloropropane	50.0	54.9		ug/L		110	74 - 125	
Ethylbenzene	50.0	55.9		ug/L		112	75 - 125	
Hexachlorobutadiene	50.0	57.7		ug/L		115	75 - 125	
Methylene Chloride	50.0	54.7		ug/L		109	71 - 125	
МТВЕ	0.0500	0.0541		mg/L		108	65 - 135	
Naphthalene	50.0	55.1		ug/L		110	70 - 130	

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

Eurofins Corpus Christi

6

1

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

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

Lab Sample ID: LCS 860-198294/3

Matrix: Water Analysis Batch: 198294

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
50.0	53.9		ug/L		108	74 - 125	
50.0	55.5		ug/L		111	71 - 125	
50.0	54.3		ug/L		109	75 - 130	
50.0	54.7		ug/L		109	75 - 125	
0.0500	0.0551		mg/L		110	66 - 125	
50.0	56.1		ug/L		112	70 - 130	
50.0	53.3		ug/L		107	75 - 130	
50.0	53.6		ug/L		107	75 - 135	
50.0	45.9		ug/L		92	60 - 140	
	Spike Added 50.0	Spike LCS Added Result 50.0 53.9 50.0 55.5 50.0 54.3 50.0 54.7 0.0500 0.0551 50.0 56.1 50.0 53.3 50.0 53.6 50.0 53.6 50.0 53.6	Spike LCS LCS Added Result Qualifier 50.0 53.9	Spike LCS LCS Added Result Qualifier Unit 50.0 53.9 ug/L 50.0 55.5 ug/L 50.0 54.3 ug/L 50.0 54.7 ug/L 0.0500 0.0551 mg/L 50.0 56.1 ug/L 50.0 53.3 ug/L 50.0 53.6 ug/L 50.0 54.3 ug/L	Spike LCS LCS Added Result Qualifier Unit D 50.0 53.9 ug/L D 50.0 55.5 ug/L D 50.0 55.5 ug/L D 50.0 54.3 ug/L D 50.0 54.7 ug/L D 0.0500 0.0551 mg/L D 50.0 56.1 ug/L D 50.0 53.3 ug/L D 50.0 53.6 ug/L D 50.0 53.6 ug/L D 50.0 45.9 ug/L D	Spike LCS LCS Added Result Qualifier Unit D %Rec 50.0 53.9 ug/L 108 108 50.0 55.5 ug/L 111 50.0 54.3 ug/L 109 50.0 54.7 ug/L 109 0.0500 0.0551 mg/L 110 50.0 56.1 ug/L 112 50.0 53.3 ug/L 107 50.0 53.6 ug/L 107 50.0 45.9 ug/L 92	Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits 50.0 53.9 ug/L 108 74 - 125 108 74 - 125 50.0 55.5 ug/L 111 71 - 125 100 75 - 130 50.0 54.3 ug/L 109 75 - 130 108 108 109 109 109 100

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		74 - 124
Dibromofluoromethane (Surr)	102		75 _ 131
1,2-Dichloroethane-d4 (Surr)	100		63 - 144
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 860-198294/4 Matrix: Water

Analysis Batch: 198294

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	fier Unit		%Rec	Limits	RPD	Limit
Acrolein		259		ug/L		103	60 - 140	6	25
Acrylonitrile	500	540		ug/L		108	60 - 140	4	25
Benzene	50.0	53.1		ug/L		106	75 - 125	3	25
Bromodichloromethane	50.0	53.1		ug/L		106	75 - 125	0	25
Bromoform	50.0	51.7		ug/L		103	70 - 130	1	25
Bromomethane	50.0	43.1		ug/L		86	60 - 140	2	25
2-Butanone (MEK)	250	267		ug/L		107	60 - 140	4	25
Carbon tetrachloride	50.0	52.3		ug/L		105	70 - 125	5	25
Chlorobenzene	50.0	51.7		ug/L		103	82 - 135	4	25
Chloroethane	50.0	45.4		ug/L		91	60 - 140	1	25
2-Chloroethyl vinyl ether	50.0	56.6		ug/L		113	50 - 150	6	25
Chloroform	50.0	53.8		ug/L		108	70 - 121	2	25
Chloromethane	50.0	41.9		ug/L		84	60 - 140	0	25
cis-1,3-Dichloropropene	0.0500	0.0550		mg/L		110	74 - 125	0	25
Dibromochloromethane	50.0	54.1		ug/L		108	73 - 125	0	25
1,2-Dibromoethane	50.0	53.2		ug/L		106	73 - 125	0	25
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	75 - 125	3	25
1,3-Dichlorobenzene	50.0	51.2		ug/L		102	75 - 125	5	25
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	75 - 125	5	25
1,1-Dichloroethane	50.0	55.1		ug/L		110	71 - 130	1	25
1,2-Dichloroethane	50.0	52.1		ug/L		104	72 - 130	0	25
1,1-Dichloroethylene	50.0	52.4		ug/L		105	50 - 150	6	25
1,2-Dichloropropane	50.0	54.3		ug/L		109	74 - 125	1	25
Ethylbenzene	50.0	52.6		ug/L		105	75 - 125	6	25
Hexachlorobutadiene	50.0	52.5		ug/L		105	75 - 125	9	25
Methylene Chloride	50.0	53.1		ug/L		106	71 - 125	3	25
MTBE	0.0500	0.0544		mg/L		109	65 - 135	1	25

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Spike

Added

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

50.0

Limits

74 - 124

75 - 131

63 - 144

80 - 120

0.0500

LCSD LCSD

Qualifier

Unit

ug/L

ug/L

ug/L

ug/L

ug/L

mg/L

ug/L

ug/L

ug/L

ug/L

Result

54.1

54.4

51.1

51.6

53 1

53.5

52.9

51.9

44.8

0.0544

RPD

2

1

8

5

3

1

5

1

3

3

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

Lab Sample ID: LCSD 860-198294/4

Matrix: Water Analysis Batch: 198294

1,1,2,2-Tetrachloroethane

1,2-trans-Dichloroethylene

trans-1,3-Dichloropropene

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

1,2-Dichloroethane-d4 (Surr)

Toluene-d8 (Surr)

1.1.1-Trichloroethane

1,1,2-Trichloroethane

Trichloroethene

Vinyl chloride

Surrogate

Analyte

Toluene

Naphthalene

Tetrachloroethene

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

%Rec

108

109

102

103

106

109

107

106

104

90

D

%Rec

Limits

70 - 130

74 - 125

71 - 125

75 - 130

75 - 125

66 - 125

70 - 130

75 - 130

75 - 135

60 - 140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 198892

e a	D /	up NA	
	R	PD	
	Li	mit	
		25	
		25	
		25	
		25	
		20	
		25	
		25	
		25	
		25	
		25	
		25	

5

6

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

LCSD LCSD

102

104

99

100

Qualifier

%Recovery

Lab Sample ID: MB 860-198892/1-A Matrix: Water Analysis Batch: 199087

MB MB Qualifier MDL Unit D Dil Fac Analyte Result RL Prepared Analyzed 5.7 11/11/24 05:23 11/11/24 22:40 Acenaphthene <1.4 1.4 ug/L 1 1,2,4-Trichlorobenzene <0.0016 0.0050 0.0016 11/11/24 05:23 11/11/24 22:40 ma/L 1 Acenaphthylene <1.4 10 1.4 ug/L 11/11/24 05:23 11/11/24 22:40 1 Anthracene <1.5 5.7 11/11/24 05:23 11/11/24 22:40 1.5 ug/L 1 Benzidine <20 20 20 ug/L 11/11/24 05:23 11/11/24 22.40 1 Benzo[a]anthracene <0.17 5.0 0.17 ug/L 11/11/24 05:23 11/11/24 22:40 < 0.36 5.0 0.36 11/11/24 05:23 11/11/24 22:40 Benzo[a]pyrene ug/L 1 3,4-Benzofluoranthene 10 11/11/24 05:23 11/11/24 22:40 <2.0 2.0 ug/L 1 10 ug/L <2.7 2.7 11/11/24 05:23 11/11/24 22:40 Benzo[g,h,i]perylene 1 Benzo[k]fluoranthene <5.0 5.0 5.0 ug/L 11/11/24 05:23 11/11/24 22:40 Bis(2-chloroethoxy)methane <1.8 10 1.8 ug/L 11/11/24 05:23 11/11/24 22:40 1 Bis(2-chloroethyl)ether <2.2 10 2.2 ug/L 11/11/24 05:23 11/11/24 22:40 Bis(2-ethylhexyl) phthalate <0.28 5.0 0.28 ug/L 11/11/24 05:23 11/11/24 22:40 1 <0.00026 0.0050 0.00026 11/11/24 22:40 4-Bromophenyl phenyl ether mg/L 11/11/24 05:23 1 Butyl benzyl phthalate <0.34 5.0 0.34 ug/L 11/11/24 05:23 11/11/24 22:40 1 2-Chloronaphthalene 5.0 11/11/24 22:40 < 0.46 0.46 ug/L 11/11/24 05:23 1 2-Chlorophenol <0.65 5.0 0.65 ug/L 11/11/24 05:23 11/11/24 22:40 1 4-Chlorophenyl phenyl ether 10 11/11/24 22:40 <1.3 1.3 ug/L 11/11/24 05:23 1 11/11/24 22:40 Chrysene <0.22 5.0 0.22 ug/L 11/11/24 05:23 Cresol, o-<16 10 11/11/24 05:23 11/11/24 22.40 1.6 ug/L Dibenzo(a),h)anthracene <0.25 5.0 0.25 ug/L 11/11/24 05:23 11/11/24 22:40 3,3'-Dichlorobenzidine <0.34 50 0.34 ug/L 11/11/24 05.23 11/11/24 22.40 1 2,4-Dichlorophenol <0.31 5.0 0.31 ug/L 11/11/24 05:23 11/11/24 22:40 1 Diethyl phthalate <1.6 5.0 11/11/24 05:23 11/11/24 22:40 1.6 ug/L 1 2,4-Dimethylphenol <0.65 5.0 0.65 ug/L 11/11/24 05:23 11/11/24 22:40 1

Prep Type: Total/NA

Client Sample ID: Method Blank

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

Lab Sample ID: MB 860-198892/1-A

Matrix: Water Analysis Batch: 199087

p-Terphenyl-d14 (Surr)

2,4,6-Tribromophenol

Analysis Batch: 199087								Prep Batch:	198892
-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	<2.5		2.5	2.5	ug/L		11/11/24 05:23	11/11/24 22:40	1
Di-n-butyl phthalate	<0.25		5.0	0.25	ug/L		11/11/24 05:23	11/11/24 22:40	1
4,6-Dinitro-2-methylphenol	<1.4		10	1.4	ug/L		11/11/24 05:23	11/11/24 22:40	1
2,4-Dinitrophenol	<1.6		10	1.6	ug/L		11/11/24 05:23	11/11/24 22:40	1
2,4-Dinitrotoluene	<1.3		10	1.3	ug/L		11/11/24 05:23	11/11/24 22:40	1
2,6-Dinitrotoluene	<1.6		5.0	1.6	ug/L		11/11/24 05:23	11/11/24 22:40	1
Di-n-octyl phthalate	<0.37		5.0	0.37	ug/L		11/11/24 05:23	11/11/24 22:40	1
1,2-Diphenylhydrazine	<1.5		10	1.5	ug/L		11/11/24 05:23	11/11/24 22:40	1
Fluoranthene	<1.6		5.0	1.6	ug/L		11/11/24 05:23	11/11/24 22:40	1
Fluorene	<1.6		5.0	1.6	ug/L		11/11/24 05:23	11/11/24 22:40	1
Hexachlorobenzene	<0.31		5.0	0.31	ug/L		11/11/24 05:23	11/11/24 22:40	1
Hexachlorocyclopentadiene	<10		10	10	ug/L		11/11/24 05:23	11/11/24 22:40	1
Hexachloroethane	<0.53		4.8	0.53	ug/L		11/11/24 05:23	11/11/24 22:40	1
Indeno[1,2,3-cd]pyrene	<2.3		10	2.3	ug/L		11/11/24 05:23	11/11/24 22:40	1
Isophorone	<1.6		5.0	1.6	ug/L		11/11/24 05:23	11/11/24 22:40	1
m & p - Cresol	<2.6		10	2.6	ug/L		11/11/24 05:23	11/11/24 22:40	1
Nitrobenzene	<1.7		5.0	1.7	ug/L		11/11/24 05:23	11/11/24 22:40	1
2-Nitrophenol	<1.7		10	1.7	ug/L		11/11/24 05:23	11/11/24 22:40	1
4-Nitrophenol	<7.2		7.2	7.2	ug/L		11/11/24 05:23	11/11/24 22:40	1
N-Nitrosodiethylamine	<1.8		10	1.8	ug/L		11/11/24 05:23	11/11/24 22:40	1
N-Nitrosodimethylamine	<2.0		10	2.0	ug/L		11/11/24 05:23	11/11/24 22:40	1
N-Nitrosodi-n-butylamine	<1.5		10	1.5	ug/L		11/11/24 05:23	11/11/24 22:40	1
N-Nitrosodi-n-propylamine	<2.9		10	2.9	ug/L		11/11/24 05:23	11/11/24 22:40	1
N-Nitrosodiphenylamine	<1.8		10	1.8	ug/L		11/11/24 05:23	11/11/24 22:40	1
Nonylphenol	<10		10	10	ug/L		11/11/24 05:23	11/11/24 22:40	1
2,2'-oxybis[1-chloropropane]	<1.8		10	1.8	ug/L		11/11/24 05:23	11/11/24 22:40	1
Pentachlorobenzene	<1.1		10	1.1	ug/L		11/11/24 05:23	11/11/24 22:40	1
Pentachlorophenol	<0.23		10	0.23	ug/L		11/11/24 05:23	11/11/24 22:40	1
Phenanthrene	<1.4		10	1.4	ug/L		11/11/24 05:23	11/11/24 22:40	1
Phenol	<0.42		4.5	0.42	ug/L		11/11/24 05:23	11/11/24 22:40	1
Pyrene	<0.18		5.0	0.18	ug/L		11/11/24 05:23	11/11/24 22:40	1
Pyridine	<10		10	10	ug/L		11/11/24 05:23	11/11/24 22:40	1
1,2,4,5-Tetrachlorobenzene	<1.3		10	1.3	ug/L		11/11/24 05:23	11/11/24 22:40	1
Total Cresols	<2.6		10	2.6	ug/L		11/11/24 05:23	11/11/24 22:40	1
2,4,5-Trichlorophenol	<2.0		10	2.0	ug/L		11/11/24 05:23	11/11/24 22:40	1
2,4,6-Trichlorophenol	<1.4		5.0	1.4	ug/L		11/11/24 05:23	11/11/24 22:40	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	98		29 - 112				11/11/24 05:23	11/11/24 22:40	1
2-Fluorophenol	76		28 - 114				11/11/24 05:23	11/11/24 22:40	1
Nitrobenzene-d5	101		15 - 314				11/11/24 05:23	11/11/24 22:40	1
Phenol-d5	56		8 - 424				11/11/24 05:23	11/11/24 22:40	1

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11/11/24 05:23 11/11/24 22:40

11/11/24 05:23 11/11/24 22:40

20 - 141

31 - 132

119

97

1

1

Client Sample ID: Lab Control Sample

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

Lab Sample ID: LCS 860-198892/2-A Matrix: Water

Analysis Batch: 199087 Spike LCS LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits	
SpikeLCSLCS%RecAnalyteAddedResultQualifierUnitD%RecLimitsAcenaphthene40.046.7ug/Lug/L117 60.132 1,2,4-Trichlorobenzene0.04000.0395mg/L99 57.130 Acenaphthylene40.047.5ug/L119 54.126 Anthracene40.050.9*+ug/L127 43.120 Benzo[a]anthracene40.049.0ug/L123 42.133) 8892
Analyte Added Result Qualifier Unit D %Rec Limits Acenaphthene 40.0 46.7 ug/L 117 60 - 132 1,2,4-Trichlorobenzene 0.0400 0.0395 mg/L 99 57 - 130 Acenaphthylene 40.0 47.5 ug/L 119 54 - 126 Anthracene 40.0 50.9 *+ ug/L 127 43 - 120 Benzidine 40.0 <20 *- ug/L 122 25 - 125 Benzo[a]anthracene 40.0 49.0 ug/L 123 42 - 133	
Acenaphthene 40.0 46.7 ug/L 117 60 - 132 1,2,4-Trichlorobenzene 0.0400 0.0395 mg/L 99 57 - 130 Acenaphthylene 40.0 47.5 ug/L 119 54 - 126 Anthracene 40.0 50.9 *+ ug/L 127 43 - 120 Benzidine 40.0 <20 *- ug/L 22 25 - 125 Benzo[a]anthracene 40.0 49.0 ug/L 123 42 - 133	
1,2,4-Trichlorobenzene 0.0400 0.0395 mg/L 99 57 - 130 Acenaphthylene 40.0 47.5 ug/L 119 54 - 126 Anthracene 40.0 50.9 *+ ug/L 127 43 - 120 Benzidine 40.0 <20 *-	
Acenaphthylene 40.0 47.5 ug/L 119 54 - 126 Anthracene 40.0 50.9 *+ ug/L 127 43 - 120 Benzidine 40.0 <20	
Anthracene 40.0 50.9 *+ ug/L 127 43.120 Benzidine 40.0 <20	
Benzidine 40.0 <20 *- ug/L 22 25 - 125 Benzo[a]anthracene 40.0 49.0 ug/L 123 42 - 133	
Benzo[a]anthracene 40.0 49.0 ug/L 123 42 - 133 Duracte lawrene 40.0 51.5 " 42 - 133	
Benzolajpyrene 40.0 54.5 ug/L 136 32-148	
3,4-Benzofluoranthene 40.0 53.6 ug/L 134 42 - 140	
Benzo[g,h,i]perylene 40.0 52.5 ug/L 131 13 - 195	
Benzo[k]fluoranthene 40.0 52.6 ug/L 132 25 - 146	
Bis(2-chloroethoxy)methane 40.0 42.7 ug/L 107 49-165	
Bis(2-chloroethyl)ether 40.0 47.7 ug/L 119 43 - 126	
Bis(2-ethylhexyl) phthalate 40.0 52.2 ug/L 130 29 - 137	
4-Bromophenyl phenyl ether 0.0400 0.0486 *+ mg/L 121 65 - 120	
Butyl benzyl phthalate 40.0 46.2 ug/L 116 12 - 140	
2-Chloronaphthalene 40.0 44.7 ug/L 112 65 - 120	
2-Chlorophenol 40.0 45.2 ug/L 113 36 - 120	
4-Chlorophenyl phenyl ether 40.0 47.1 ug/L 118 38 - 145	
Chrysene 40.0 48.8 ug/L 122 44 - 140	
Cresol, o- 40.0 43.8 ug/L 109 14 - 176	
Dibenzo(a),h)anthracene 40.0 51.2 ug/L 128 16 - 200	
3,3'-Dichlorobenzidine 40.0 44.9 ug/L 112 18 - 213	
2,4-Dichlorophenol 40.0 44.5 ug/L 111 53 - 122	
Diethyl phthalate 40.0 47.9 ug/L 120 17 - 120	
2,4-Dimethylphenol 40.0 41.3 ug/L 103 42 - 120	
Dimethyl phthalate 40.0 47.1 ug/L 118 25 - 120	
Di-n-butyl phthalate 40.0 51.5 *+ ug/L 129 8 - 120	
4.6-Dinitro-2-methylphenol 40.0 39.4 ug/L 98 53 - 130	
2,4-Dinitrophenol 40.0 36.5 ug/L 91 12 - 173	
2,4-Dinitrotoluene 40.0 53.1 *+ ug/L 133 48 - 127	
2,6-Dinitrotoluene 40.0 51.2 ug/L 128 68 - 137	
Di-n-octyl phthalate 40.0 46.0 ug/L 115 19 - 132	
1,2-Diphenylhydrazine 40.0 50.1 ug/L 125 28 - 136	
Fluoranthene 40.0 51.5 *+ ug/L 129 43 - 121	
Fluorene 40.0 47.8 ug/L 119 70 - 120	
Hexachlorobenzene 40.0 46.5 ug/L 116 8 - 142	
Hexachlorocyclopentadiene 40.0 36.1 ug/L 90 41 - 125	
Hexachloroethane 40.0 37.8 ug/L 95 55 - 120	
Indeno[1.2.3-cd]pyrene 40.0 52.4 ug/L 131 13 - 151	
Isophorone 40.0 43.9 ug/L 110 47 - 180	
m & p - Cresol 40.0 42.6 ug/L 107 14 - 176	
Nitrobenzene 40.0 42.5 ug/L 106 54 - 158	
2-Nitrophenol 40.0 43.6 ua/L 109 45 - 167	
4-Nitrophenol 40.0 37.0 ua/L 92 13 129	
N-Nitrosodiethylamine 40.0 62.1 ug/L 155 30 - 160	
N-Nitrosodimethylamine 40.0 38.1 μα/l 95 20 125	
N-Nitrosodi-n-butylamine 40.0 43.6 ug/L 109 33 141	
N-Nitrosodi-n-propylamine 40.0 48.4 ua/L 121 14 - 198	

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

Lab Sample ID:	LCS	860-198892/2-A
Matrix: Wator		

Matri	X: V	ater	
Anal	ysis	Batch:	199087

Client Sample ID:	Lab Control Sample
	Prep Type: Total/NA
	Prep Batch: 198892

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
N-Nitrosodiphenylamine	40.0	50.1		ug/L		125	2 _ 196	
2,2'-oxybis[1-chloropropane]	40.0	45.3		ug/L		113	63 - 139	
Pentachlorobenzene	40.0	45.4		ug/L		113	25 _ 131	
Pentachlorophenol	40.0	42.4		ug/L		106	38 - 152	
Phenanthrene	40.0	48.1		ug/L		120	65 _ 120	
Phenol	40.0	32.7		ug/L		82	17 _ 120	
Pyrene	40.0	50.5	*+	ug/L		126	70 - 120	
Pyridine	80.0	12.8		ug/L		16	5 - 94	
1,2,4,5-Tetrachlorobenzene	40.0	44.2		ug/L		111	41 - 125	
2,4,5-Trichlorophenol	40.0	49.6	*+	ug/L		124	35 _ 111	
2,4,6-Trichlorophenol	40.0	49.9		ug/L		125	52 _ 129	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	115	S1+	29 - 112
2-Fluorophenol	100		28 - 114
Nitrobenzene-d5	109		15 - 314
Phenol-d5	80		8 - 424
p-Terphenyl-d14 (Surr)	129		20 - 141
2,4,6-Tribromophenol	129		31 - 132

Lab Sample ID: LCSD 860-198892/3-A			Clie	nt San	ple ID:	Lab Contro	I Sampl	e Dup	
Matrix: Water							Prep 1	Type: To	tal/NA
Analysis Batch: 199087							Prep I	Batch: 1	98892
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	40.0	55.7	*+	ug/L		139	60 - 132	18	29
1,2,4-Trichlorobenzene	0.0400	0.0443		mg/L		111	57 - 130	12	30
Acenaphthylene	40.0	56.0	*+	ug/L		140	54 - 126	16	30
Anthracene	40.0	61.7	*+	ug/L		154	43 - 120	19	30
Benzidine	40.0	<20		ug/L		27	25 - 125	17	30
Benzo[a]anthracene	40.0	60.2	*+	ug/L		150	42 - 133	20	30
Benzo[a]pyrene	40.0	65.6	*+	ug/L		164	32 - 148	18	30
3,4-Benzofluoranthene	40.0	62.4	*+	ug/L		156	42 - 140	15	30
Benzo[g,h,i]perylene	40.0	63.5		ug/L		159	13 - 195	19	30
Benzo[k]fluoranthene	40.0	65.4	*+	ug/L		164	25 - 146	22	30
Bis(2-chloroethoxy)methane	40.0	48.8		ug/L		122	49 - 165	13	30
Bis(2-chloroethyl)ether	40.0	51.8	*+	ug/L		129	43 - 126	8	30
Bis(2-ethylhexyl) phthalate	40.0	65.8	*+	ug/L		165	29 - 137	23	30
4-Bromophenyl phenyl ether	0.0400	0.0594	*+	mg/L		149	65 - 120	20	26
Butyl benzyl phthalate	40.0	57.3	*+	ug/L		143	12 - 140	21	30
2-Chloronaphthalene	40.0	51.4	*+	ug/L		128	65 - 120	14	15
2-Chlorophenol	40.0	50.4	*+	ug/L		126	36 - 120	11	30
4-Chlorophenyl phenyl ether	40.0	55.3		ug/L		138	38 - 145	16	30
Chrysene	40.0	58.2	*+	ug/L		145	44 - 140	18	30
Cresol, o-	40.0	51.5		ug/L		129	14 - 176	16	30
Dibenzo(a),h)anthracene	40.0	62.9		ug/L		157	16 _ 200	21	30
3,3'-Dichlorobenzidine	40.0	56.6		ug/L		142	18 - 213	23	30
2,4-Dichlorophenol	40.0	52.5	*+	ug/L		131	53 - 122	17	30

5 6

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

Lab Sample ID: LCSD 860-198892/3-A Client Sample ID: Lab Con						Lab Contro	I Sampl	e Dup	
Matrix: Water						Prep 1	ype: To	tal/NA	
Analysis Batch: 199087							Prep I	Batch: 1	98892
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diethyl phthalate	40.0	57.0	*+	ug/L		142	17 _ 120	17	30
2,4-Dimethylphenol	40.0	49.2	*+	ug/L		123	42 - 120	17	30
Dimethyl phthalate	40.0	56.6	*+	ug/L		141	25 - 120	18	30
Di-n-butyl phthalate	40.0	63.2	*+	ug/L		158	8 - 120	20	28
4,6-Dinitro-2-methylphenol	40.0	50.9		ug/L		127	53 - 130	26	30
2,4-Dinitrophenol	40.0	48.4		ug/L		121	12 _ 173	28	30
2,4-Dinitrotoluene	40.0	63.4	*+	ug/L		158	48 - 127	18	25
2,6-Dinitrotoluene	40.0	61.5	*+	ug/L		154	68 - 137	18	29
Di-n-octyl phthalate	40.0	56.2	*+	ug/L		140	19 - 132	20	30
1,2-Diphenylhydrazine	40.0	59.3	*+	ug/L		148	28 - 136	17	30
Fluoranthene	40.0	63.3	*+	ug/L		158	43 - 121	21	30
Fluorene	40.0	56.7	*+	ug/L		142	70 - 120	17	23
Hexachlorobenzene	40.0	57.3	*+	ug/L		143	8 - 142	21	30
Hexachlorocyclopentadiene	40.0	44.6		ug/L		112	41 - 125	21	30
Hexachloroethane	40.0	40.5		ug/L		101	55 - 120	7	30
Indeno[1,2,3-cd]pyrene	40.0	63.7	*+	ug/L		159	13 - 151	20	30
Isophorone	40.0	50.6		ug/L		126	47 - 180	14	30
m & p - Cresol	40.0	48.9		ug/L		122	14 - 176	14	30
Nitrobenzene	40.0	47.4		ug/L		119	54 - 158	11	30
2-Nitrophenol	40.0	50.9		ug/L		127	45 - 167	15	30
4-Nitrophenol	40.0	46.5		ug/L		116	13 - 129	23	30
N-Nitrosodiethylamine	40.0	67.5	*+	ug/L		169	30 - 160	8	30
N-Nitrosodimethylamine	40.0	42.1		ug/L		105	20 - 125	10	30
N-Nitrosodi-n-butylamine	40.0	51.9		ug/L		130	33 - 141	18	30
N-Nitrosodi-n-propylamine	40.0	53.9		ug/L		135	14 _ 198	11	30
N-Nitrosodiphenylamine	40.0	61.4		ug/L		153	2 _ 196	20	30
2,2'-oxybis[1-chloropropane]	40.0	47.7		ug/L		119	63 - 139	5	30
Pentachlorobenzene	40.0	53.7	*+	ug/L		134	25 - 131	17	30
Pentachlorophenol	40.0	54.4		ug/L		136	38 - 152	25	30
Phenanthrene	40.0	58.2	*+	ug/L		145	65 - 120	19	30
Phenol	40.0	37.6		ug/L		94	17 _ 120	14	30
Pyrene	40.0	62.2	*+	ug/L		156	70 - 120	21	30
Pyridine	80.0	14.4		ug/L		18	5 - 94	12	30
1,2,4,5-Tetrachlorobenzene	40.0	52.0	*+	ug/L		130	41 - 125	16	30
2,4,5-Trichlorophenol	40.0	61.0	*+	ug/L		152	35 _ 111	20	30
2 4 6-Trichlorophenol	40.0	60.8	*+	ua/l		152	52 - 129	20	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl	133	S1+	29 - 112
2-Fluorophenol	108		28 - 114
Nitrobenzene-d5	119		15 - 314
Phenol-d5	93		8 - 424
p-Terphenyl-d14 (Surr)	153	S1+	20 - 141
2,4,6-Tribromophenol	156	S1+	31 - 132

RL

0.010

0.010

0.020

0.010

0.0090

0.018

0.25

0.25

0.10

0.010

0.010

0.010

0.010

0.010

0.010

0.010

0.010

0.020

0.020

0.20

0.0090

MDL Unit

0.00081 ug/L

0.0011 ug/L

0.0038 ug/L

0.0011 ug/L

0.0014 ug/L

0.0039 ug/L

0.0025 ug/L

0.050 ug/L

0.00095 ug/L

0.0011 ug/L

0.0012 ug/L

0.0011 ug/L

0.0016 ug/L

0.0012 ug/L

0.0030 ug/L

0.0045 ug/L

0.0013 ug/L

0.0039 ug/L

0.020 ug/L

0.077 ug/L

0.10 ug/L

D

Prepared

11/12/24 12:23

11/12/24 12:23

11/12/24 12:23

11/12/24 12:23

11/12/24 12:23

11/12/24 12:23

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11/12/24 12:23

11/12/24 12:23

11/12/24 12:23

11/12/24 12:23

Method: 608.3 - Organochlorine Pesticides in Water

MB MB

< 0.00081

< 0.0011

< 0.0038

< 0.0011

< 0.0014

< 0.0039

<0.0025

< 0.050

<0.00095

< 0.0011

< 0.0012

< 0.0011

< 0.0016

< 0.0012

< 0.0030

< 0.0045

< 0.0013

< 0.0039

< 0.020

<0.077

< 0.10

Result Qualifier

Lab Sample ID: MB 860-199234/1-A Motrix: Motor

Matrix: W	later	
Analysis	Batch:	199434

Analyte

4,4'-DDD

4,4'-DDE

4,4'-DDT

alpha-BHC

beta-BHC

Chlordane

delta-BHC

Dicofol

Dieldrin

Endrin

Endosulfan I

Endosulfan II

Endosulfan sulfate

Endrin aldehyde

Heptachlor

Methoxychlor

Toxaphene

Mirex

gamma-BHC (Lindane)

Heptachlor epoxide

Aldrin

Prep Type: Total/NA Prep Batch: 199234

Dil Fac

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Client Sample ID: Method Blank

Analyzed

11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

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11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

11/13/24 13.19

11/13/24 13:19

11/13/24 13:19

11/13/24 13:19

Client Sample ID: Lab Control Sample

	9

11/13/24 13:19	1
11/13/24 13:19	1
11/13/24 13:19	1
11/13/24 13:19	1
11/13/24 13:19	1

Prep Type: Total/NA

Prep Batch: 199234

	MB N	MB				
Surrogate	%Recovery 0	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	97		15 - 136	11/12/24 12:23	11/13/24 13:19	1
Tetrachloro-m-xylene	83		18 - 126	11/12/24 12:23	11/13/24 13:19	1

Lab Sample ID: LCS 860-199234/2-A Matrix: Water

Analysis Batch: 199434

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
4,4'-DDD	0.100	0.0975		ug/L		97	31 - 141	
4,4'-DDE	0.100	0.0905		ug/L		90	30 - 145	
4,4'-DDT	0.100	0.0927		ug/L		93	25 - 160	
Aldrin	0.100	0.0845		ug/L		85	42 - 140	
alpha-BHC	0.100	0.0807		ug/L		81	37 - 140	
beta-BHC	0.100	0.0954		ug/L		95	17 _ 147	
delta-BHC	0.100	0.0432	J	ug/L		43	19 - 140	
Dieldrin	0.100	0.0939		ug/L		94	36 - 146	
Endosulfan I	0.100	0.0980		ug/L		98	45 - 153	
Endosulfan II	0.100	0.101		ug/L		101	22 - 171	
Endosulfan sulfate	0.100	0.0816		ug/L		82	26 - 144	
Endrin	0.100	0.115		ug/L		115	30 - 147	
Endrin aldehyde	0.100	0.0841		ug/L		84	60 - 130	
gamma-BHC (Lindane)	0.100	0.0909		ug/L		91	34 - 140	
Heptachlor	0.100	0.0934		ug/L		93	34 - 140	
Heptachlor epoxide	0.100	0.0948		ug/L		95	37 - 142	
Methoxychlor	0.100	0.0989		ug/L		99	50 - 130	

Lab Sample ID: LCS 860-199234/2-A

Matrix: Water

Surrogate

Analysis Batch: 199434

DCB Decachlorobiphenyl (Surr)

Method: 608.3 - Organochlorine Pesticides in Water (Continued)

LCS LCS

%Recovery Qualifier

104

83

Limits

15 - 136

18 - 126

Prep Type: Total/NA Prep Batch: 199234

Client Sample ID: Lab Control Sample

5 6

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 199234

Tetrachloro-m-xylene	
_	

Lab Sample ID: LCSD 860-199234/3-A Matrix: Water Analysis Batch: 199434

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
4,4'-DDD			0.100	0.0955		ug/L		96	31 - 141	2	30
4,4'-DDE			0.100	0.0878		ug/L		88	30 - 145	3	30
4,4'-DDT			0.100	0.0908		ug/L		91	25 - 160	2	30
Aldrin			0.100	0.0838		ug/L		84	42 - 140	1	30
alpha-BHC			0.100	0.0806		ug/L		81	37 _ 140	0	30
beta-BHC			0.100	0.0942		ug/L		94	17 - 147	1	30
delta-BHC			0.100	0.0424	J	ug/L		42	19 - 140	2	30
Dieldrin			0.100	0.0917		ug/L		92	36 - 146	2	30
Endosulfan I			0.100	0.0965		ug/L		97	45 - 153	2	30
Endosulfan II			0.100	0.0979		ug/L		98	22 - 171	3	30
Endosulfan sulfate			0.100	0.0786		ug/L		79	26 - 144	4	30
Endrin			0.100	0.111		ug/L		111	30 - 147	3	30
Endrin aldehyde			0.100	0.0812		ug/L		81	60 - 130	4	30
gamma-BHC (Lindane)			0.100	0.0900		ug/L		90	34 - 140	1	30
Heptachlor			0.100	0.0929		ug/L		93	34 - 140	1	30
Heptachlor epoxide			0.100	0.0924		ug/L		92	37 - 142	3	30
Methoxychlor			0.100	0.0950		ug/L		95	50 _ 130	4	30
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl (Surr)	97		15 _ 136								
Tetrachloro-m-xylene	80		18 - 126								

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

Lab Sample ID: MB 860-199234/1-A Matrix: Water Analysis Batch: 199432							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch:	d Blank Fotal/NA : 199234
	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 13:19	1
PCB-1221	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 13:19	1
PCB-1232	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 13:19	1
PCB-1242	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 13:19	1
PCB-1248	<0.013		0.10	0.013	ug/L		11/12/24 12:23	11/13/24 13:19	1
PCB-1254	<0.0078		0.10	0.0078	ug/L		11/12/24 12:23	11/13/24 13:19	1
PCB-1260	<0.0078		0.10	0.0078	ug/L		11/12/24 12:23	11/13/24 13:19	1
Polychlorinated biphenyls, Total	<0.10		0.10	0.10	ug/L		11/12/24 12:23	11/13/24 13:19	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	96	-	18 - 126				11/12/24 12:23	11/13/24 13:19	1

Lab Sample ID: MB 860-199234/1-A

Lab Sample ID: LCS 860-199234/4-A

Matrix: Water

Matrix: Water

Surrogate

Analyte

PCB-1016

PCB-1260

Surrogate

Analysis Batch: 199432

DCB Decachlorobiphenyl (Surr)

Analysis Batch: 199432

Tetrachloro-m-xylene (Surr)

DCB Decachlorobiphenyl (Surr)

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

MB MB

%Recovery Qualifier

118

LCS LCS

%Recovery Qualifier

101

123

124

Limits

Spike

Added

1.00

1.00

Limits

18 - 126

15 - 136

15 - 136

15 - 136

LCS LCS

1.05 *+

1.07

Result Qualifier

Unit

ug/L

ug/L

Prep Type: Total/NA

Client Sample ID: Method Blank

Analyzed

11/13/24 13:19

Prepared

11/12/24 12:23

%Rec

105

107

D

6

Prep Batch: 199234 Dil Fac 1 **Client Sample ID: Lab Control Sample**

Prep Type: Total/NA Prep Batch: 199234 %Rec Limits 61 - 103 37 - 130

Lab Sample ID: LCSD 860-1				Clie	ent Sam	ple ID:	Lab Contro	I Sampl	e Dup		
Matrix: Water								Prep 1	Type: To	tal/NA	
Analysis Batch: 199432									Prep I	Batch: 1	99234
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016			1.00	1.13	*+	ug/L		113	61 _ 103	8	24
PCB-1260			1.00	1.17		ug/L		117	37 _ 130	9	28
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
Tetrachloro-m-xylene (Surr)	103		18 - 126								

Method: 615 - Herbicides (GC)

DCB Decachlorobiphenyl (Surr)

Lab Sample ID: MB 860-198654/ Matrix: Water Analysis Batch: 198926						Client Sa	mple ID: Metho Prep Type: 1 Prep Batch:	d Blank ^T otal/NA 198654	
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	< 0.054		0.20	0.054	ug/L		11/07/24 14:32	11/11/24 10:10	1
Silvex (2,4,5-TP)	<0.042		0.20	0.042	ug/L		11/07/24 14:32	11/11/24 10:10	1
Hexachlorophene	<0.81		5.0	0.81	ug/L		11/07/24 14:32	11/11/24 10:10	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	87		45 _ 150				11/07/24 14:32	11/11/24 10:10	1
Lab Sample ID: LCS 860-198654 Matrix: Water	1/2-A					С	lient Sample I	D: Lab Control Prep Type: 1	Sample ⁻ otal/NA

Analysis Batch: 198926							Prep l	Batch: 198654
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
2,4-D	2.00	1.42		ug/L		71	55 - 145	
Silvex (2,4,5-TP)	2.00	1.48		ug/L		74	55 _ 140	

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Eurofins Corpus Christi

12/1/2024

Lab Sample ID: LCS 860-198654/2-A

Lab Sample ID: LCS 860-198654/4-A

Matrix: Water

Surrogate

Analysis Batch: 198926

2,4-Dichlorophenylacetic acid

Method: 615 - Herbicides (GC) (Continued)

LCS LCS

%Recovery Qualifier

81

Limits

45 - 150

Job ID: 560-122237-1

Prep Type: Total/NA Prep Batch: 198654

Client Sample ID: Lab Control Sample

			6
Client Sample	e ID: Lab C	Control Sample	
	Prep	Ratch: 198654	
	%Rec	Datcil. 190034	ð
D %Rec	Limits		0
99	60 - 135		9

Client Sample ID: Lab Control Sample Du)

98654	
RPD	

Matrix: Water									Prep 1	Type: To	tal/NA
Analysis Batch: 198926									Prep I	Batch: 1	98654
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Hexachlorophene			8.00	7.90		ug/L		99	60 - 135		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
2,4-Dichlorophenylacetic acid	79		45 _ 150								
Lab Sample ID: LCSD 860-1	98654/3-A					Clie	ent Sam	ple ID:	Lab Contro	l Sampl	e Dup
Matrix: Water									Prep 1	Type: To	tal/NA
Analysis Batch: 198926									Prep I	Batch: 1	98654
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,4-D			2.00	1.80		ug/L		90	55 - 145	23	25
Silvex (2,4,5-TP)			2.00	1.92	*1	ug/L		96	55 _ 140	26	25
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
2,4-Dichlorophenylacetic acid	105		45 - 150								
Lab Sample ID: LCSD 860-1	98654/5-A					Clie	ent Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Water									Prep 1	Type: To	tal/NA
Analysis Batch: 198926									Prep I	Batch: 1	98654
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Hexachlorophene			8.00	6.31		ug/L		79	60 - 135	22	25
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
2,4-Dichlorophenylacetic acid	64		45 - 150								
Mathad: 200.0 Aniana	lon Chromat	ography									
weutou: 300.0 - Amons,	ion chromat	ography									
-											

Lab Sample ID: MB 860-199449/3 Matrix: Water							Client S	ample ID: Metho Prep Type: 1	d Blank fotal/NA
Analysis Batch: 199449	МВ	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<100		500	100	ug/L			11/13/24 10:32	1
Lab Sample ID: MB 860-199449/38							Client S	ample ID: Metho	d Blank
Matrix: Water								Prep Type: 1	otal/NA
Analysis Batch: 199449									
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<100		500	100	ug/L			11/13/24 15:01	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 860-199449/81										Client S	Sample ID:	Method	Blank
Matrix: Water											Prep	Туре: То	tal/NA
Analysis Batch: 199449													
	MB	MB											
Analyte	Result	Qualifier		RL		MDL Ur	nit	D	P	repared	Analy	zed	Dil Fac
Fluoride	<100			500		100 ug	/L				11/13/24	20:23	1
Lab Sample ID: LCS 860-199449/39								С	lient	Sample	e ID: Lab C	ontrol S	ample
Matrix: Water											Prep	Type: To	tal/NA
Analysis Batch: 199449													
			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qualifie	r Unit		D	%Rec	Limits		
Fluoride			10000		10200		ug/L			102	90 - 110		
Lab Sample ID: LCS 860-199449/82								С	lient	t Sample	e ID: Lab C	ontrol S	ample
Matrix: Water											Prep	Type: To	tal/NA
Analysis Batch: 199449													
			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qualifie	r Unit		D	%Rec	Limits		
Fluoride			10000		10200		ug/L			102	90 - 110		
Lab Sample ID: LCSD 860-199449/40								Client	San	ple ID:	Lab Contro	ol Sampl	le Dup
Matrix: Water											Prep	Type: To	tal/NA
Analysis Batch: 199449													
			Spike		LCSD	LCSD					%Rec		RPD
Analyte			Added		Result	Qualifie	r Unit		D	%Rec	Limits	RPD	Limit
Fluoride			10000		10200		ug/L			102	90 - 110	0	20
Lab Sample ID: LCSD 860-199449/83								Client	San	ple ID:	Lab Contro	ol Sampl	le Dup
Matrix: Water											Prep	Type: To	tal/NA
Analysis Batch: 199449													
			Spike		LCSD	LCSD					%Rec		RPD
Analyte			Added		Result	Qualifie	r Unit		D	%Rec	Limits	RPD	Limit
Fluoride			10000		10200		ug/L			102	90 - 110	0	20
Lab Sample ID: LLCS 860-199449/7								С	lient	Sample	e ID: Lab C	ontrol S	ample
Matrix: Water											Prep	Туре: То	tal/NA
Analysis Batch: 199449													
			Spike		LLCS	LLCS					%Rec		
Analyte			Added		Result	Qualifie	r Unit		<u>D</u>	%Rec	Limits		
Fluoride			500		482	J	ug/L			96	50 - 150		

Method: 632 - Carbamate and Urea Pesticides (HPLC)

Lab Sample ID: MB 860-198387/1-A Matrix: Water Analysis Batch: 200183							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch:	d Blank Fotal/NA 198387
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbaryl	<1900		5000	1900	ug/L		11/07/24 14:05	11/15/24 18:48	1000
Diuron	<51		90	51	ug/L		11/07/24 14:05	11/15/24 18:48	1000

Method: 632 - Carbamate and Urea Pesticides (HPLC) (Continued)

Lab Sample ID: LCS 860-198387/2-A							Clien	t Sample	ID: Lab Con	trol Sa	ample
Matrix: Water									Prep Ty	pe: To	tal/NA
Analysis Batch: 200183									Prep Ba	tch: 1	98387
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Carbaryl			100	114		ug/L		114	70 - 130		
Diuron			2.00	2.39		ug/L		120	70 - 130		
Lab Sample ID: LCSD 860-198387/3-A						CI	ient Saı	nple ID: I	Lab Control	Sampl	e Dup
Matrix: Water									Prep Ty	pe: To	tal/NA
Analysis Batch: 200183									Prep Ba	tch: 1	98387
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Carbaryl			100	98.4		ug/L		98	70 - 130	15	20
Diuron			2.00	2.14		ug/L		107	70 - 130	11	20
Method: 1631E - Mercury, Low Lo	evel (CV	AFS)									
_		,									
Lab Sample ID: MB 240-634238/1-A								Client S	ample ID: M	ethod	Blank
Matrix: Water									Prep Ty	pe: To	tal/NA
Analysis Batch: 634395									Prep Ba	tch: 6	34238
	MB	мв									
Analyte	Result	Qualifier					<u>D</u>	Prepared			
Mercury	<0.00014		0.0005	0 0.0	0014 ug/L		11/	00/24 14.00	11/07/24 09	.50	I
Lab Sample ID: LCS 240-634238/2-A							Clien	t Sample	ID: Lab Con	trol Sa	ample
Matrix: Water									Prep Tv	be: To	tal/NA
Analysis Batch: 634395									Prep Ba	tch: 6	34238
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Mercury			0.00500	0.00403		ug/L		81	77 _ 123		
										. 41I	Disale
Lab Sample ID: WB 240-635266/1-A								Client S		ethoa	Biarik
Matrix: water									Prep Ty	pe: Io	
Analysis Batch: 635511	MD	MD							Ргер Ва	itch: 6	35266
Anchito	Recult	NID	ы				D	Droporod	Analyza		
Analyte	<0.00014	Quaimer	0.0005				<u> </u>	14/24 14:00	Analyzed	.∕12 —	
	\$0.00014		0.0000	0 0.0	0014 ug/L		11/	14/24 14:00	11/13/24 03	.42	'
Lab Sample ID: LCS 240-635266/2-A							Clien	t Sample	ID: Lab Con	trol Sa	ample
Matrix: Water									Prep Ty	pe: To	tal/NA
Analysis Batch: 635511									Prep Ba	tch: 6	35266
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Mercury			0.00500	0.00429		ug/L		86	77 - 123		
Method: 200.8 - Metals (ICP/MS)											

	-A						Client Sa	Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total Recover					
Analysis Batch: 199243								Prep Batch:	198876		
	MB	МВ									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Silver	<0.35		2.0	0.35	ug/L		11/11/24 02:20	11/11/24 18:57	1		
Aluminum	<3.0		20	3.0	ug/L		11/11/24 02:20	11/11/24 18:57	1		

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

Lab Sample ID: MB 860-198876/1-A Matrix: Water

Analysis Batch: 199243

	MB	мв							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.93		4.0	0.93	ug/L		11/11/24 02:20	11/11/24 18:57	1
Barium	<0.95		4.0	0.95	ug/L		11/11/24 02:20	11/11/24 18:57	1
Beryllium	<0.38		2.0	0.38	ug/L		11/11/24 02:20	11/11/24 18:57	1
Cadmium	<0.26		2.0	0.26	ug/L		11/11/24 02:20	11/11/24 18:57	1
Chromium	<0.89		4.0	0.89	ug/L		11/11/24 02:20	11/11/24 18:57	1
Copper	<0.69		4.0	0.69	ug/L		11/11/24 02:20	11/11/24 18:57	1
Molybdenum	<0.50		2.0	0.50	ug/L		11/11/24 02:20	11/11/24 18:57	1
Nickel	<0.49		2.0	0.49	ug/L		11/11/24 02:20	11/11/24 18:57	1
Lead	<0.37		2.0	0.37	ug/L		11/11/24 02:20	11/11/24 18:57	1
Antimony	<1.1		2.0	1.1	ug/L		11/11/24 02:20	11/11/24 18:57	1
Selenium	<0.69		2.0	0.69	ug/L		11/11/24 02:20	11/11/24 18:57	1
Thallium	<0.22		2.0	0.22	ug/L		11/11/24 02:20	11/11/24 18:57	1
Zinc	<0.89		4.0	0.89	ug/L		11/11/24 02:20	11/11/24 18:57	1

Lab Sample ID: LCS 860-198876/2-A Matrix: Water Analysis Batch: 199243

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Silver	50.0	50.7		ug/L		101	85 - 115	
Aluminum	500	494		ug/L		99	85 - 115	
Arsenic	100	96.2		ug/L		96	85 - 115	
Barium	100	95.0		ug/L		95	85 - 115	
Beryllium	100	97.7		ug/L		98	85 - 115	
Cadmium	100	95.8		ug/L		96	85 - 115	
Chromium	100	95.1		ug/L		95	85 - 115	
Copper	100	96.3		ug/L		96	85 - 115	
Molybdenum	100	97.6		ug/L		98	85 - 115	
Nickel	100	95.4		ug/L		95	85 - 115	
Lead	100	94.6		ug/L		95	85 - 115	
Antimony	100	96.4		ug/L		96	85 - 115	
Selenium	100	95.6		ug/L		96	85 - 115	
Thallium	100	94.1		ug/L		94	85 - 115	
Zinc	100	96.3		ug/L		96	85 - 115	

Lab Sample ID: LCSD 860-198876/3-A Matrix: Water Analysis Batch: 199243

Client Sample ID: Lab Control Sample Dup Prep Type: Total Recoverable

Prep Batch: 198876

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Silver	50.0	51.2		ug/L		102	85 - 115	1	20
Aluminum	500	497		ug/L		99	85 - 115	0	20
Arsenic	100	96.4		ug/L		96	85 - 115	0	20
Barium	100	95.4		ug/L		95	85 - 115	0	20
Beryllium	100	97.9		ug/L		98	85 - 115	0	20
Cadmium	100	96.5		ug/L		96	85 - 115	1	20
Chromium	100	95.7		ug/L		96	85 _ 115	1	20
Copper	100	95.8		ug/L		96	85 - 115	1	20
Molybdenum	100	98.5		ug/L		99	85 - 115	1	20

Eurofins Corpus Christi

5 6

Client Sample ID: Method Blank Prep Type: Total Recoverable Prep Batch: 198876

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 198876

LCSD LCSD

95.8

95.7

97.0

95.9

95.1

96.3

Result Qualifier

Unit

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

Spike

Added

100

100

100

100

100

100

Lab Sample ID: LCSD 860-198876/3-A

Matrix: Water

Analyte

Antimony

Selenium

Thallium

Zinc

Nickel

Lead

Analysis Batch: 199243

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

Prep Batch: 198876

RPD

0

1

1

Client Sample ID: Lab Control Sample Dup

%Rec

96

96

97

D

%Rec

Limits

85 - 115

85 - 115

85 - 115

6

RPD

Limit

20

20

20

96 85 - 115 0 20 95 85 - 115 20 1 96 85 - 115 0 20 **Client Sample ID: Lab Control Sample Prep Type: Total Recoverable**

Prep Batch: 198876

Prep Type: Total Recoverable

Lab Sample ID: LLCS 860-198876/4-A Matrix: Water

Analysis Batch: 199243

	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Silver	2.00	2.10		ug/L		105	50 - 150	
Aluminum	20.0	20.3		ug/L		101	50 - 150	
Arsenic	4.00	3.97	J	ug/L		99	50 - 150	
Barium	4.00	3.90	J	ug/L		98	50 - 150	
Beryllium	2.00	1.96	J	ug/L		98	50 - 150	
Cadmium	2.00	2.00		ug/L		100	50 - 150	
Chromium	4.00	4.04		ug/L		101	50 - 150	
Copper	4.00	4.18		ug/L		105	50 - 150	
Molybdenum	2.00	2.00		ug/L		100	50 - 150	
Nickel	2.00	1.95	J	ug/L		98	50 - 150	
Lead	2.00	1.99	J	ug/L		99	50 - 150	
Antimony	2.00	1.97	J	ug/L		99	50 - 150	
Selenium	2.00	1.62	J	ug/L		81	50 - 150	
Thallium	2.00	2.00		ug/L		100	50 - 150	
Zinc	4.00	3.95	J	ug/L		99	50 - 150	

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 860-200170/3 Matrix: Water Analysis Batch: 200170										Client	Sample ID: Prep	Method Type: To	Blank otal/NA
	МВ	МВ											
Analyte	Result	Qualifier		RL		MDL	Unit		D	Prepared	Analy	zed	Dil Fac
Nitrate Nitrite as N	<50			100		50	ug/L				11/15/24	15:21	1
 Lab Sample ID: LCS 860-200170/4									Clier	nt Sample	e ID: Lab C	ontrol S	ample
Matrix: Water											Prep [·]	Туре: То	otal/NA
Analysis Batch: 200170													
-			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qua	lifier	Unit	D	%Rec	Limits		
Nitrate Nitrite as N			1000		1070			ug/L		107	90 - 110		
								с	lient Sa	mple ID:	Lab Contro	ol Samp	le Dup
Matrix: Water										· ·	Prep [·]	· Type: To	otal/NA
Analysis Batch: 200170													
-			Spike		LCSD	LCS	D				%Rec		RPD
Analyte			Added		Result	Qua	lifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N			1000		1060			ug/L		106	90 - 110	4	20

Nitrate Nitrite as N

RL

100

1100

Spike

Added

1000

MDL Unit

50 ug/L

D

Lab Sample ID: MB 860-200187/3

Lab Sample ID: LCS 860-200187/4

Lab Sample ID: LCSD 860-200187/5

Matrix: Water

Nitrate Nitrite as N

Matrix: Water

Nitrate Nitrite as N

Matrix: Water

Analyte

Analyte

Analysis Batch: 200187

Analysis Batch: 200187

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Job ID: 560-122237-1

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

Analyzed

11/15/24 18:46

Client Sample ID: Lab Control Sample

6

Dil Fac

1

LCS LCS %Rec Result Qualifier Unit D %Rec Limits ug/L 110 90 - 110 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prepared

Analysis Batch: 200187									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N	1000	1100		ug/L		110	90 - 110	0	20

Method: 4500-CN E-2016 - Cyanide, Weak Acid Dissociable

MB MB

<50

Result Qualifier

Lab Sample ID: MB 410-578093/2-A Matrix: Water Analysis Batch: 578501							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch:	d Blank Fotal/NA
Analysis Batom erecer	МВ	МВ						Trop Baton.	010000
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Weak Acid Dissociable	<5.0		10	5.0	ug/L		11/21/24 18:45	11/22/24 11:47	1
Lab Sample ID: LCS 410-578093/1-A						С	lient Sample I	D: Lab Control	Sample

Wallix. Waler							Frep	sype. Total/NA
Analysis Batch: 578501							Prep	Batch: 578093
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cyanide, Weak Acid Dissociable	200	208		ug/L		104	80 - 120	

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate

Lab Sample ID: MB 860-199202/24 Matrix: Water Analysis Batch: 199202							Client S	ample ID: Metho Prep Type: 1	d Blank ^T otal/NA
	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0020		0.0050	0.0020	mg/L			11/11/24 12:55	1
Lab Sample ID: MB 860-199202/64							Client S	ample ID: Metho	d Blank
Matrix: Water								Prep Type: 1	otal/NA
Analysis Batch: 199202									
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.0020		0.0050	0.0020	mg/L			11/11/24 14:48	1

5 6 7

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate (Continued)

Lab Sample ID: LCS 860-199202/65 Matrix: Water								Cli	ent	Sample	e ID: Lab Co Prep T	ontrol S ype: To	Sample otal/NA
Analysis Batch: 199202			Spiko		1.09	1.09					% Poc		
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits		
Cyanide, Total			0.100		0.0962		mg/L		_	96	90 - 110		
Lab Sample ID: LCSD 860-199202/27							С	lient S	Sam	ple ID:	Lab Contro	I Samp	le Dup
Matrix: Water											Prep T	ype: To	otal/NA
Analysis Batch: 199202			Snike								%Rec		RPD
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Cyanide, Total			0.100		0.109		mg/L		_	109	90 _ 110	8	20
Lab Sample ID: 1 CSD 860-199202/66							C	lient S	am	nie ID: I	Lab Contro	l Samn	le Dun
Matrix: Water							Ŭ		, and		Prep T	vpe: To	otal/NA
Analysis Batch: 199202												,	
			Spike		LCSD	LCSD					%Rec		RPD
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Cyanide, Total			0.100		0.0901		mg/L			90	90 - 110	7	20
Lab Sample ID: LLCS 860-199202/25								Cli	ent	Sample	e ID: Lab Co	ontrol S	Sample
Matrix: Water											Prep T	ype: To	otal/NA
Analysis Batch: 199202													
			Spike		LLCS	LLCS			_		%Rec		
Analyte			Added		Result	Qualifier			<u>D</u>	%Rec	Limits		
Lab Sample ID: MB 860-199290/24 Matrix: Water Analysis Batch: 199290	мв	мв								Client S	Sample ID: I Prep T	Method ype: To	l Blank otal/NA
Analyte	Result	Qualifier		RL		MDL Unit		D	P	repared	Analyz	ed	Dil Fac
Cyanide, Total	<0.0020			0.0050	0.	0020 mg/L				•	11/11/24	12:55	1
Lab Sample ID: MB 860-199290/64 Matrix: Water										Client S	Sample ID: I Prep T	Method ype: To	l Blank otal/NA
Analysis Batch: 199290													
	MB	MB						_	_				
Analyte Cvanide Total	<0.0020	Qualifier		RL	0			- <u> </u>	PI	repared	Analyz	ea 14·48	DII Fac
	-0.0020			0.0000	0.	0020 mg/L					11/11/24	14.40	
Lab Sample ID: LCS 860-199290/26								Cli	ent	Sample	e ID: Lab Co	ontrol S	Sample
Matrix: Water											Prep T	ype: To	otal/NA
Analysis Batch: 199290			Spiko		1.09	1.09					% Poc		
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits		
Cyanide, Total			0.100		0.101		mg/L		-	101	90 - 110		
Lab Sample ID: LCS 860-199290/65 Matrix: Water Analysis Batch: 199290								Cli	ent	Sample	e ID: Lab Co Prep T	ontrol S ype: To	Sample otal/NA
			Spike		LCS	LCS					%Rec		
Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits		
Cyanide, Total			0.100		0.0962		mg/L	_		96	90 - 110		

Job ID: 560-122237-1

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate

Matrix: Water Prep Type: Total/NA Analysis Batch: 199290 Spike LGSD LGSD Value P Watec RPD Limit Cyanide, Total 0.100 0.109 mg/L D %Rec RPD Limit Limits RPD Limit Limits RPD Limits Limits RPD Limits	Lab Sample ID: LCSD 860-199290/27							С	lient S	Sam	ple ID:	Lab Control	Sample	e Dup
Analysis Batch: 199290 Spike LCSD LCSD LCSD WRec RPD Limits Analyte 0.100 0.109 mg/L 0 %Rec RPD Limits Cyanide, Total 0.100 0.109 mg/L 0 %Rec RPD Limits Lab Sample ID: LCSD 860-199290/66 Cilient Sample ID: Lab Control Sample Dup Prep Type: Total/NA Analyte Added Result Qualifier Unit D %Rec RPD Cyanide, Total 0.100 0.0901 mg/L D %Rec RPD Limit Cyanide, Total 0.100 0.0901 mg/L D %Rec RPD Limit Cyanide, Total 0.100 0.0901 mg/L D %Rec RPD Limit Analyte Added Result Qualifier Unit D %Rec Limits Cyanide, Total 0.00500 0.00333 J mg/L E %Rec Limits Cyanide, Total 0.00500 0.00333 J mg/L D %Rec Li	Matrix: Water											Prep Ty	be: Tot	tal/NA
Spike LCSD LCSD %Rec RPD Limits Limits RPD Limits Limits Limits RPD Limits Limits Limits Limits	Analysis Batch: 199290													
Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Cyanide, Total 0.100 0.109 0.109 0.00 0.009 0.00 0.00 90.110 8 20 Lab Sample ID: LCSD 860-199290/66 Spike LCSD LCSD Lab Control Sample Duper Prep Type: Total/NA Analyte Added Result Qualifier Unit D %Rec RPD Limit Analyte Added Result Qualifier Unit D %Rec RPD Limit Cyanide, Total 0.100 0.0901 Unit D %Rec RPD Limit Cyanide, Total 0.100 0.0901 mgL D %Rec RPD Limit Matrix: Water Analyte Added Result Qualifier Unit D %Rec Limits FPD Total/NA Matrix: Water Added Result Qualifier Unit D %Rec Limits FPO Total/NA Analyte Result <				Spike		LCSD	LCSD					%Rec		RPD
Cyanide, Total 0.100 0.109 mgL 109 90.110 8 20 Lab Sample ID: LCSD 860-199290/66 Matrix: Water Analysis Batch: 199290 Prep Type: Total/NA Analysis Batch: 199290 Spike LCSD LCSD LCSD Matrix: Water Prep Type: Total/NA Analyse Added Result Qualifier Unit D %Rec RPD Limits Oyande, Total 0.100 0.0901 mg/L D %Rec RPD Limit Analyte Added Result Qualifier Unit D %Rec Limits Analysis Batch: 199290 Spike LLCS LLCS Unit D %Rec Limits Analyte Added Result Qualifier Unit D %Rec Limits Cyanide, Total 0.00500 0.00333 J mg/L 67 50.150 Total/NA Analyte Chromium, Hexavalent Elses MB Matrix: Water Nalysed	Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Lab Sample ID: LCSD 860-199290/66 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Analysis Batch: 199290 Spike LCSD LCSD %Rec RPD Unit Analyte Added Result Qualifier Unit D %Rec RPD Limits Cyanide, Total 0.100 0.0901 mg/L D %Rec RPD Limits Analyte Added Result Qualifier Unit D %Rec RPD Limits Analyte Added Result Qualifier Unit D %Rec Limits Analyte Added Result Qualifier Unit D %Rec Limits Cyanide, Total 0.00500 0.00333 J mg/L 67 50.150 Method: SM 3500 CR B - Chromium, Hexavalent Client Sample ID: Method Blank Prep Type: Total/NA Prep Type: Total/NA Lab Sample ID: MB 560-218208/10 MB MB MB MB Prep Type: Total/NA Analyte Result Qualifier RL MDL Unit D Prep Type: Total/NA Lab Sample ID: LCS 660-	Cyanide, Total			0.100		0.109		mg/L			109	90 - 110	8	20
Matrix: Water Prep Type: Total/NA Analysis Batch: 199290 Spike LCSD LCSD V/Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Cyanide, Total 0.100 0.0901 mg/L D %Rec Limits RPD Limit Result Qualifier MIL K NRE Client Sample ID: Lab Control Sample Client Sample ID: Method Blank MRE MRE Matrix: Water Analysis Batch: 218208 MB Lib Sam								С	lient S	Sam	ple ID:	Lab Control	Sampl	e Dup
Analysis Batch: 199290 Spike LCSD LCSD LCSD Wec RPD Analyte 0.100 0.0001 mg/L 0 %Rec Limits RPD Limit Cyanide, Total 0.100 0.0001 mg/L 0 %Rec Limits RPD Limit Cuab Sample ID: LLCS 860-199290/25 Client Sample ID: Lab Control Sample D %Rec Limits Prep Type: Total/NA Analyte Added Result Qualifier Unit D %Rec Limits Client Sample ID: Lab Control Sample Cyanide, Total 0.00500 0.00333 J mg/L 67 50.150 - Matrix: Water Added Result Qualifier Unit D %Rec Limits - Lab Sample ID: IMB 560-218208/10 Client Sample ID: Method Blank Prep Type: Total/NA Prep Type: Total/NA Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium VI <3.0	Matrix: Water											Prep Ty	pe: Tot	tal/NA
SpikeLCSDLCSD%RecRPDAnalyteAddedResultQualifierUnitD%RecLimitsRPDLimitCyanide, Total0.1000.09010.0901mg/L9090.110720Lab Sample ID: LLCS 860-199290/25Client Sample ID: Lab Control SampleClient Sample ID: Lab Control SampleMatrix: WaterAddedResultQualifierUnitD%RecLimitsAnalyteAddedResultQualifierUnitD%RecLimitsCyanide, Total0.005000.00333Jmg/L6750.150Wethod: SM 3500 CR B - Chromium, HexavalentClient Sample ID: MB 560-218208/10Client Sample ID: Method Blank Prep Type: Total/NAAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChromium VI<3.0	Analysis Batch: 199290													
Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Cyanide, Total 0.100 0.0901 mg/L D %Rec Limits RPD Limit 20 Lab Sample ID: LLCS 860-199290/25 Spike LLCS LLCS LLCS Client Sample ID: Lab Control Sample Matrix: Water Analyte Added Result Qualifier Unit D %Rec Limits MRec Lim	-			Spike		LCSD	LCSD					%Rec		RPD
Cyanide, Total 0.100 0.0901 mg/L 90 90.110 7 20 Lab Sample ID: LLCS 860-199290/25 Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA Analyte Added Result Qualifier Unit D %Rec Cyanide, Total 0.00500 0.00333 J mg/L D %Rec Analyte Added Added Result Qualifier Unit D %Rec Limits	Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limit
Lab Sample ID: LLCS 860-199290/25 Matrix: Water Client Sample ID: Lab Control Sample Prep Type: Total/NA Analyte Added Result Qualifier Unit D %Rec Limits	Cyanide, Total			0.100		0.0901		mg/L		_	90	90 - 110	7	20
Matrix: Water Analysis Batch: 199290 Spike LLCS LLCS LLCS Weec Analyte Added Result Qualifier Unit D %Rec Limits									Cli	ient	Sample	ID: Lab Con	trol Sa	ample
Analysis Batch: 199290 Spike LLCS LLCS LLCS Market Analyte Added Result Qualifier Unit D %Rec Limits	Matrix: Water											Prep Tv	oe: To	tal/NA
Spike LLCS LLCS ULCS Water Analyte Added Result Qualifier Unit D %Rec Limits	Analysis Batch: 199290													
Analyte Added Result Qualifier Unit D %Rec Limits Cyanide, Total 0.00500 0.00333 J mg/L 0 67 50.150 Method: SM 3500 CR B - Chromium, Hexavalent	-			Spike		LLCS	LLCS					%Rec		
Cyanide, Total 0.00500 0.00333 J mg/L 67 50.150 Method: SM 3500 CR B - Chromium, Hexavalent Client Sample ID: MB 560-218208/10 Client Sample ID: Method Blank Matrix: Water Analysis Batch: 218208 MB MB Prep Type: Total/NA Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium VI <3.0	Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits		
Method: SM 3500 CR B - Chromium, Hexavalent Lab Sample ID: MB 560-218208/10 Matrix: Water Analysis Batch: 218208 Client Sample ID: Method Blank Prep Type: Total/NA Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium VI State State Client Sample ID: LCS 560-218208/11 Dil Fac Matrix: Water Analysis Batch: 218208 Spike LCS LCS LCS Verp Type: Total/NA Analyte Analysis Batch: 218208 Spike LCS LCS LCS %Rec Analyte Analyse Added Result Qualifier Unit D %Rec Analyte Added Result Qualifier Unit D %Rec Limits Analyte Added Result Qualifier Unit D %Rec Limits Analyte Added Result Qualifier Unit D %Rec Limits Limits Analysis Batch: 218208 200 201 201 201 201 201 201 201	Cyanide, Total			0.00500	(0.00333	J	mg/L		_	67	50 _ 150		
Lab Sample ID: MB 560-218208/10 Matrix: Water Analysis Batch: 218208 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium VI <a href="https://www.statu.com/withing.co</td> <td>Method: SM 3500 CR B - Chromiu</td> <td>ım, Hex</td> <td>avalent</td> <td></td>	Method: SM 3500 CR B - Chromiu	ım, Hex	avalent											
Matrix: Water Analysis Batch: 218208 Prep Type: Total/NA MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium VI <3.0 <3.0 5.0 3.0 ug/L D Prepared Analyzed Dil Fac Lab Sample ID: LCS 560-218208/11 Matrix: Water Analysis Batch: 218208 Spike LCS LCS LCS Prep Type: Total/NA Analyte Spike LCS LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Chromium VI 200 201 201 Qualifier Unit D %Rec Limits	Lab Sample ID: MB 560-218208/10										Client S	ample ID: M	ethod	Blank
Analysis Batch: 218208 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium VI <3.0	Matrix: Water											Prep Tvi	oe: To	tal/NA
MB MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chromium VI <3.0	Analysis Batch: 218208													
AnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChromium VI<3.0	· ·····, •·• - •···· - · · · · ·	МВ	МВ											
Chromium VI <3.0 5.0 3.0 ug/L 11/05/24 14:59 1 Lab Sample ID: LCS 560-218208/11 Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA Analysis Batch: 218208 Spike LCS LCS Chromium VI 200 201 Unit D %Rec Los Sample ID: Lab Control Sample LCS LCS LCS Matrix: Water Added Result Qualifier Unit D %Rec Analyte 200 201 ug/L 101 85-115	Analyte	Result	Qualifier		RL		MDL Unit		D	Р	repared	Analyzed		Dil Fac
Lab Sample ID: LCS 560-218208/11 Matrix: Water Analysis Batch: 218208 Analyte Chromium VI	Chromium VI	<3.0			5.0		3.0 ug/L					11/05/24 14	59	1
Matrix: Water Prep Type: Total/NA Analysis Batch: 218208 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Chromium VI 200 201 201 101 85-115	 Lab Sample ID: LCS 560-218208/11								Cli	iont	Sample	ID: Lah Con	trol S:	amnlo
Analysis Batch: 218208 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Chromium VI 200 201 ug/L 101 85-115	Matrix: Water										oumpic	Pren Tvi		tal/NA
Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Chromium VI 200 201 201 101 85-115	Analysis Batch: 218208											i i cp i y		
Analyte Added Result Qualifier Unit D %Rec Limits Chromium VI 200 201 201 ug/L 101 85-115	Analysis Daton. 210200			Snike		1.05	LCS					%Rec		
Chromium VI 200 201 ug/L 101 85-115	Analyte			Added		Result	Qualifier	Unit		D	%Rec	Limits		
	Chromium VI			200		201		ua/L		-	101	85 - 115		

Laboratory: Eurofins Corpus Christi

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704210-22-30	03-31-25

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
lowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24

Laboratory: Eurofins Eaton Analytical South Bend

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5794.01	07-31-26
Alabama	State	40700	06-30-25
Alaska	State	IN00035	06-30-25
Arizona	State	AZ0432	07-26-25
Arkansas (DW)	State	EPA IN00035	06-30-25
California	State	2920	06-30-25
Colorado	State	IN00035	02-28-25
Connecticut	State	PH-0132	03-31-26
Delaware (DW)	State	IN00035	06-30-25
Florida	NELAP	E87775	06-30-25
Georgia (DW)	State	929	06-30-25
Guam	State	23-011R	07-15-25
Hawaii	State	IN035	06-30-25
Idaho (DW)	State	IN00035	12-31-24
IL Dept. of Public Health (Micro)	State	17767	06-30-25
Illinois	NELAP	200001	09-30-25
Indiana	State	C-71-01	12-31-25
Indiana (Micro)	State	M-76-07	12-31-25
lowa	State	IA Lab #098	11-01-25
Kansas	NELAP	E-10233	10-31-25
Kentucky (DW)	State	KY90056	12-31-24
Louisiana (DW)	State	LA014	12-31-24

5

7

Identification Number

IN00035

209

Expiration Date

11-13-24

06-30-25

Client: Water Utilities Laboratory Project/Site: OSO Raw and Final, 11/5/24

Authority

Maryland

Maine

Laboratory: Eurofins Eaton Analytical South Bend (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Program

State

State

9 10 11

Massachusetts	State	M-IN035	06-30-25
MI - RadChem Recognition	State	9926	06-01-25
Michigan	State	9926	12-31-25
Minnesota	NELAP	1989807	11-12-24
Mississippi	State	IN00035	06-30-25
Missouri	State	880	09-30-27
Montana (DW)	State	CERT0026	01-01-25
Nebraska	State	NE-OS-05-04	06-30-25
Nevada	State	IN000352024-01	07-31-25
New Hampshire	NELAP	2124	11-05-24 *
New Jersey	NELAP	IN598	11-25-24
New Mexico	State	IN00035	06-30-25
New York	NELAP	11398	04-01-25
North Carolina (DW)	State	18700	07-31-25
North Dakota	State	R-035	06-30-24 *
Northern Mariana Islands (DW)	State	IN00035	06-30-25
Ohio	State	87775	06-30-25
Oklahoma	NELAP	D9508	12-31-24
Oregon	NELAP	4156	09-16-25
Pennsylvania	NELAP	68-00466	04-30-25
Puerto Rico	State	IN00035	04-01-25
Rhode Island	State	LAO00343	12-30-24
South Carolina	State	95005001	06-30-25
South Dakota (DW)	State	IN00035	06-30-25
Tennessee	State	TN02973	06-30-25
Texas	NELAP	T104704187-22-16	12-31-24
Texas	TCEQ Water Supply	TX207	06-30-25
USEPA UCMR 5	US Federal Programs	IN00035	12-31-25
Utah	NELAP	IN00035	07-31-25
Vermont	State	VT-8775	11-14-24
Virginia	NELAP	460275	03-14-25
Washington	State	C837	01-01-25
West Virginia (DW)	State	9927 C	11-14-24
Wisconsin	State	999766900	08-31-25
Wisconsin (Micro)			
	State	10121	12-31-24

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-03-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	06-30-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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

Job ID: 560-122237-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date	
A2LA	Dept. of Defense ELAP	0001.01	11-30-26	
A2LA	Dept. of Energy	0001.01	11-30-26	
A2LA	ISO/IEC 17025	0001.01	11-30-26	
Alabama	State	43200	01-31-25	
Alaska	State	PA00009	06-30-25	
Alaska (UST)	State	17-027	02-28-25	
Arizona	State	AZ0780	03-12-25	
Arkansas DEQ	State	88-00660	08-09-25	
California	State	2792	11-30-24	
Colorado	State	PA00009	06-30-25	
Connecticut	State	PH-0746	06-30-25	
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25	
Delaware (DW)	State	N/A	01-31-25	
Florida	NELAP	E87997	06-30-25	
Georgia (DW)	State	C048	01-31-25	
Hawaii	State	N/A	01-31-25	
Illinois	NELAP	200027	01-31-25	
lowa	State	361	03-01-26	
Kansas	NELAP	E-10151	10-31-25	
Kentucky (DW)	State	KY90088	12-31-24	
Kentucky (UST)	State	0001.01	11-30-26	
Kentucky (WW)	State	KY90088	12-31-24	
Louisiana (All)	NELAP	02055	06-30-25	
Maine	State	2019012	03-12-25	
Maryland	State	100	06-30-25	
Massachusetts	State	M-PA009	06-30-25	
Michigan	State	9930	01-31-25	
Minnesota	NELAP	042-999-487	12-31-24	
Mississippi	State	023	01-31-25	
Missouri	State	450	01-31-25	
Montana (DW)	State	0098	01-01-25	
Nebraska	State	NE-OS-32-17	01-31-25	
New Hampshire	NELAP	2730	01-10-25	
New Jersey	NELAP	PA011	06-30-25	
New York	NELAP	10670	04-01-25	
North Carolina (DW)	State	42705	07-31-25	
North Carolina (WW/SW)	State	521	12-31-25	
North Dakota	State	R-205	01-31-24 *	
Oklahoma	NELAP	9804	08-31-24 *	
Oregon	NELAP	PA200001	09-11-25	
Pennsylvania	NELAP	36-00037	01-31-25	
Quebec Ministry of Environment and Fight	PALA	507	09-16-29	
against Climate Change	0444	14000000	40.00.04	
	State	LAO00338	12-30-24	
South Carolina	State	89002	01-31-25	
iennessee	State	02838	01-31-25	
Iexas		1104/04194-23-46	08-31-25	
USDA	US Federal Programs	525-22-298-19481	10-25-25	
Vermont	State	VT - 36037	10-28-25	
Virginia	NELAP	460182	06-14-25	

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

Client: Water Utilities Laboratory Project/Site: OSO Raw and Final, 11/5/24

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

Client: Water Utilities Laboratory Project/Site: OSO Raw and Final, 11/5/24

Method Description

Total Trihalomethanes

Method

524.2

Laboratory

EA SB

Protocol

EPA-DW

2	3	7	7_	1		
				_		
						5
						8
						9

524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA SB
624.1	Volatile Organic Compounds (GC/MS)	EPA	EET HOU
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET HOU
608.3	Organochlorine Pesticides in Water	EPA	EET HOU
608.3	Polychlorinated Biphenyls (PCBs) (GC)	EPA	EET HOU
615	Herbicides (GC)	EPA-01	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
632	Carbamate and Urea Pesticides (HPLC)	EPA-01	EET HOU
1631E	Mercury, Low Level (CVAFS)	EPA	EET CLE
200.8	Metals (ICP/MS)	EPA	EET HOU
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET HOU
4500-CN E-2016	Cyanide, Weak Acid Dissociable	SM	ELLE
Kelada 01	Cyanide, Total, Acid Dissociable and Thiocyanate	EPA	EET HOU
SM 3500 CR B	Chromium, Hexavalent	SM	EET CC
Subcontract	614 Parathion and Malathion (Ana Lab)	None	SPL
Subcontract	622 Guthion, Chlorpyrifos, Demeton, Diazinon (Ana Lab)	None	SPL
Subcontract	632 Danitol (Ana Lab)	None	SPL
1631E	Preparation, Mercury, Low Level	EPA	EET CLE
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU
3511	Microextraction of Organic Compounds	SW846	EET HOU
4500 CN I-2016	Cyanide, Distillation for Weak Acid Dissociable	SM	ELLE
608	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU
625	Liquid-Liquid Extraction	EPA	EET HOU
CWA_Prep	Liquid-Liquid Extraction (Separatory Funnel)	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

EPA-01 = "Methods For The Determination Of Nonconventional Pesticides In Municipal And Industrial Wastewater", EPA/821/R/92/002, April 1992. EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements. None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EA SB = Eurofins Eaton Analytical South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777

EET CC = Eurofins Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2471

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

SPL = SPL Kilgore, 2600 Dudley Rd, Kilgore, TX 75662

Sample Summary

Client: Water Utilities Laboratory Project/Site: OSO Raw and Final, 11/5/24

Job ID: 560-122237-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-122237-1	OSO Raw	Water	11/05/24 06:30	11/05/24 08:13
560-122237-2	OSO Final	Water	11/05/24 06:00	11/05/24 08:13
560-122237-3	OSO Raw Field Blank	Water	11/05/24 06:30	11/05/24 08:13
560-122237-4	OSO Final Field Blank	Water	11/05/24 06:00	11/05/24 08:13
560-122237-5	OSO Raw	Water	11/05/24 06:30	11/05/24 08:13
560-122237-6	OSO Final	Water	11/05/24 06:00	11/05/24 08:13



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11/27/2024

11:04

Printed

TAML-G

Eurofins TestAmerica, Corpus Christi Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408

TABLE OF CONTENTS

OSO RAW AND FINAL 11/5/24

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

Report Name	Description	Pages
1124430_r02_01_ProjectSamples	SPL Kilgore Project P:1124430 C:TAML Project Sample Cross Reference t:304	1
1124430_r03_03_ProjectResults	SPL Kilgore Project P:1124430 C:TAML Project Results t:304 PO: US1313848678	5
1124430_r10_05_ProjectQC	SPL Kilgore Project P:1124430 C:TAML Project Quality Control Groups	4
1124430_r99_09_CoC_1_of_1	SPL Kilgore CoC TAML 1124430_1_of_1	2
	Total Pages:	12



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SAMPLE CROSS REFERENCE



Project

1124430

1 of 1

1

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Sample	Eurofins TestAmerica, Corpus Christi Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408			Printed	11/2//2024	Page
	Sample ID	Taken	Time		Received	
2352362	OSO RAW 560-122237-1	11/05/2024	06:30:00		11/06/2024	
D (1) 01 CI: (

Bottle 01 Client supplied H2SO4 Amber Glass Bottle 02 Client supplied H2SO4 Amber Glass

Bottle 03 Client supplied H2SO4 Amber Glass

Bottle 04 Client supplied H2SO4 Amber Glass

Bottle 05 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1146682) Volume: 1.00000 mL <== Derived from 01 (1046 ml) Bottle 06 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1146684) Volume: 1.00000 mL <== Derived from 01 (1046 ml)

	Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
	EPA 632	05	1146682	11/07/2024	1148757	11/19/2024
	EPA 614	06	1146684	11/07/2024	1149735	11/19/2024
	EPA 622	06	1146684	11/07/2024	1149739	11/19/2024
Sample	Sample ID	Taken	Time		Received	
2352363	OSO RAW 560-122237-2	11/05/2024	06:00:00		11/06/2024	

Bottle 01 Client supplied H2SO4 Amber Glass

Bottle 02 Client supplied H2SO4 Amber Glass

Bottle 03 Client supplied H2SO4 Amber Glass

Bottle 04 Client supplied H2SO4 Amber Glass

Bottle 05 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1146682) Volume: 1.00000 mL <== Derived from 01 (1050 ml)

Bottle 06 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1146684) Volume: 1.00000 mL <== Derived from 01 (1050 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	05	1146682	11/07/2024	1148757	11/19/2024
EPA 614	06	1146684	11/07/2024	1147975	11/13/2024
EPA 622	06	1146684	11/07/2024	1147989	11/13/2024

Email: Kilgore.ProjectManagement@spllabs.com

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



TAML-G							Page 1 of :	5
Eurofins TestAmerica, Corpus Ch Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408	orpus Christi ive o8					Project 1124430		
	OSC	ORAW AND FIN	AL 11/5/24		Printed:	11/2	7/2024	
		RESULT	S					
		Sample Res	ults					
2352362 OSO RAW 560-122237-1						Received:	11/06	/2024
Non-Potable Water Collected by: Taken: 11/0	Client 5/2024	Eurofins TestA 06:30:	America 00		PO:		US13138	48678
EPA 614	Prepared:	1146684 11/0)7/2024	13:40:00	Analyzed 1149735	11/19/2024	17:06:00	KAP
Parameter	Results	Units	RL		Flags	CAS		Bottle
Malathion	<0.0478	ug/L	0.0478			121-75-5		06 06
Parathion, methyl	<0.0478	ug/L ug/L	0.0478			298-00-0		06
EPA 622	Prepared:	1146684 11/0	07/2024	13:40:00	Analyzed 1149739	11/19/2024	17:06:00	KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Azinphos-methyl (Guthion)	<0.0478	ug/L	0.0478		86-50-0	06
NELAC	Chlorpyrifos	<0.0478	ug/L	0.0478		2921-88-2	06
NELAC	Demeton	<0.0478	ug/L	0.0478		8065-48-3	06
NELAC	Diazinon	<0.0478	ug/L	0.0478		333-41-5	06
NELAC	Malathion	<0.0478	ug/L	0.0478		121-75-5	06
NELAC	Parathion, ethyl	<0.0478	ug/L	0.0478		56-38-2	06
NELAC	Parathion, methyl	<0.0478	ug/L	0.0478		298-00-0	06
NELAC NELAC	Parathion, ethyl Parathion, methyl	≪0.0478 ≪0.0478	ug/L ug/L	0.0478 0.0478		56-38-2 298-00-0	

El	PA 632	Prepared:	1146682	11/07/2024	13:40:00	Analyzed 1	148757 1.	1/19/2024	17:53:00	BRL
	Parameter	Results	Un	its RL		Flags		CAS		Bottle
NELAC	Carbaryl (Sevin)	<2.39	ug/	L 2.39				63-25-2		05
Z	Danitol	<0.0956	ug/	L 0.0956				64357-84-7		05
z	Diuron	<0.043	ug/	L 0.043				330-54-1		05

2352363	OSO RAW 560-122237-2	Received:	11/06/2024	
Non-Potable Wate	er <i>Collected by:</i> Client <i>Taken:</i> 11/05/2024	Eurofins TestAmerica 06:00:00	PO:	US1313848678



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NELAC

NELAC

NELAC

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



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		TAMI	∠- G									Page 2 of	5
		Eurofins TestAr Lindy Maingot 1733 N. Padre Is Corpus Christi,	nerica, Corpus (sland Drive TX 78408	Christi							Proje 1124	-430	
										Printed:	11/2	7/2024	
	2352363	OSO RAW 560	-122237-2								Received:	11/06	5/2024
N	on-Potable Water		<i>Collected by.</i> <i>Taken:</i> 11.	Client /05/2024	Eurofin	s TestA 06:00:(America 00			PO:		US13138	348678
E.	PA 614			Prepared:	1146684	11/0	07/2024	13:40:00	Analyzed	1147975	11/13/2024	02:09:00	
	Parameter			Results	L	Inits	RL		Flag	\$	CAS		Bottle
С	Malathion			<0.0476	պ	g/L	0.0476				121-75-5		06
С	Parathion, ethy	1		<0.0476	ų	g/L	0.0476				56-38-2		06
С	Parathion, met	nyl		<0.0476	u	g/L	0.0476				298-00-0		06
E	PA 622			Prepared:	1146684	11/0	07/2024	13:40:00	Analyzed	1147989	11/13/2024	02:09:00	KAP
	Parameter			Results	L	Inits	RL		Flag	5	CAS		Bottle
С	Azinphos-meth	yl (Guthion)		<0.0476	ų	g/L	0.0476				86-50-0		06
С	Chlorpyrifos			<0.0476	щ	g/L	0.0476				2921-88-2		06
С	Demeton			<0.0476	ų	g/L	0.0476				8065-48-3		06
C	Diazinon			<0.0476	ų	<u>z</u> /L -π	0.0476				333-41-5		06
C C	Malatnion Depathion other	1		<0.0476	ų	துட ~/⊺	0.0476				121-/3-3		06
C	Parathion, met	nyl		<0.0476	պ	g∕L g∕L	0.0476				298-00-0		06
E	PA 632			Prepared:	1146682	11/0	7/2024	13:40:00	Analyzed	1148757	11/19/2024	18:51:00	BRU
	Parameter			Results	L	Inits	RL		Flag	5	CAS		Bottle
С	Carbaryl (Sevi	n)		<2.38	u	g/L	2.38				63-25-2		05

Sample Preparation

ug/L

ug/L

0.0952

0.0429

<0.0952

<0.0429

2352	2352362 OSO RAW 560-122237-1							2024
		11/05/2024					US131384	+86/8
		Prepared:	11/06/2024	20:01:26	Calculated	11/06/2024	20:01:26	CAL
Envi	ronmental Fee (per Project)	Verified						

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05

NELAC NELAC NELAC

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NELAC

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Danitol

Diuron

64357-84-7

330-54-1
2600 Dudley Rd. Kilgore, Texas 75662 24 Waterway Avenue, Suite 375 The Woodlands, TX 77380 Office: 903-984-0551 * Fax: 903-984-5914



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	TAML-G								Page 3 of 5	;
	Eurofins TestAmerica,Corpu Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408	s Christi						Proj 1124	ect 4430	
							Printed:	11/2	27/2024	
2352362	OSO RAW 560-122237-1	1/05/2024						Received:	11/06/ US131384	'2024 48678
		. 1/03/2024								
EPA 608.3		Prepared:	1146684	11/07/2024	13:40:00	Analyzed	1146684	11/07/2024	13:40:00	CRS
Solvent Extra	action	1/1046	m	l						01
EPA 614		Prepared:	1146684	11/07/2024	13:40:00	Analyzed	1149735	11/19/2024	17:06:00	KAP
Parathion/Ma	lathion EXP	Entered								06
EPA 622		Prepared:	1146684	11/07/2024	13:40:00	Analyzed	1149739	11/19/2024	17:06:00	KAP
Table 1 Orga	nophosphorous Pestic	Entered								06
EPA 632		Prepared:	1146682	11/07/2024	13:40:00	Analyzed	1146682	11/07/2024	13:40:00	CRS
Liquid-Liqui	d Extr. W/Hex Ex	1/1046	m	l						01
EPA 632		Prepared:	1146682	11/07/2024	13:40:00	Analyzed	1148757	11/19/2024	17:53:00	BRU
Carbaryl/Diu	ron/Danitol	Entered								05
2352363	OSO RAW 560-122237-2							Received:	11/06/ US13138	'2024 48678
	1	1/05/2024								
EPA 608.3		Prepared:	1146684	11/07/2024	13:40:00	Analyzed	1146684	11/07/2024	13:40:00	CRS
Solvent Extra	action	1/1050	mi	l						01



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



Page 4 of 5 TAML-G Project **Eurofins TestAmerica, Corpus Christi Lindy Maingot** 1124430 1733 N. Padre Island Drive Corpus Christi, TX 78408 Printed: 11/27/2024 2352363 OSO RAW 560-122237-2 11/06/2024 Received: US1313848678 11/05/2024 EPA 614 13:40:00 02:09:00 KAP Prepared: 1146684 11/07/2024 Analyzed 1147975 11/13/2024 Parathion/Malathion EXP Entered 06

Prepared: 1146684 11/07/2024 EPA 622 13:40:00 Analyzed 1147989 11/13/2024 02:09:00 KAP Table 1 Organophosphorous Pestic Entered 06 EPA 632 Prepared: 1146682 11/07/2024 13:40:00 Analyzed 1146682 11/07/2024 13:40:00 CRS 1/1050 Liquid-Liquid Extr. W/Hex Ex ml 01 EPA 632 Prepared: 1146682 11/07/2024 13:40:00 Analyzed 1148757 11/19/2024 18:51:00 BRU Carbaryl/Diuron/Danitol Entered

Qualifiers:

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

result column, or interferences prevent it, we work to have our RL at or below the MAL.

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



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TAML-G

Eurofins TestAmerica, Corpus Christi Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408



Bill Peery, MS, VP Technical Services



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TAML-G

Eurofins TestAmerica, Corpus Christi Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408



1 2 2

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9 10

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Printed 11/27/2024

Blank Parameter PrepSet Reading MDL MQL Units File Malathion 1146684 ND 24.8 50.0 ug/L 127024948 Parathion, ethyl 1146684 ND 23.9 50.0 ug/L 127024948 Parathion, methyl 1146684 ND 27.4 50.0 ug/L 127024948 CCV Parameter Reading Known Units Recover% Limits% File Malathion 950 1000 ug/L 95.0 49.5 - 160 127024947 Malathion 950 1000 ug/L 107 49.5 - 160 127024947 Malathion 1010 1000 ug/L 101 49.5 - 160 127024953 Parathion, ethyl 931 1000 ug/L 101 49.5 - 160 127024947 Malathion 1010 1000 ug/L 101 49.5 - 160 127024953 P	
ParameterPrepSetReadingMDLMQLUnitsFileMalathion1146684ND24.850.0 ug/L 127024948Parathion, ethyl1146684ND23.950.0 ug/L 127024948Parathion, methyl1146684ND27.450.0 ug/L 127024948Parathion, methyl1146684ND27.450.0 ug/L 127024948CCVParameterReadingKnownUnitsRecover%Limits%FileMalathion9501000 ug/L 95.049.5 - 160127024947Malathion10101000 ug/L 10149.5 - 160127024953Parathion, ethyl9311000 ug/L 10149.5 - 160127024947Parathion, ethyl10101000 ug/L 10156.0 - 142127024947	
Malathion1146684ND24.850.0 ug/L 127024948Parathion, ethyl1146684ND23.950.0 ug/L 127024948Parathion, methyl1146684ND27.450.0 ug/L 127024948CCVParameterReadingKnownUnitsRecover%Limits%FileMalathion9501000 ug/L 95.049.5 - 160127024947Malathion10701000 ug/L 10749.5 - 160127024953Malathion10101000 ug/L 10149.5 - 160127024955Parathion, ethyl9311000 ug/L 10156.0 - 142127024947	
Parathion, ethyl 1146684 ND 23.9 50.0 ug/L 127024948 Parathion, methyl 1146684 ND 27.4 50.0 ug/L 127024948 Parathion, methyl 1146684 ND 27.4 50.0 ug/L 127024948 Parameter Reading Known Units Recover% Limits% File Malathion 950 1000 ug/L 95.0 49.5 - 160 127024947 Malathion 1070 1000 ug/L 107 49.5 - 160 127024953 Malathion 1010 1000 ug/L 101 49.5 - 160 127024955 Parathion, ethyl 931 1000 ug/L 101 49.5 - 160 127024955 Parathion, ethyl 931 1000 ug/L 101 49.5 - 160 127024947 Parathion, ethyl 931 1000 ug/L 93.1 56.0 - 142 127024953	
Parathion, methyl 1146684 ND 27.4 50.0 ug/L 127024948 CCV CCV Parameter Reading Known Units Recover% Limits% File Malathion 950 1000 ug/L 95.0 49.5 - 160 127024947 Malathion 1070 1000 ug/L 107 49.5 - 160 127024953 Malathion 1010 1000 ug/L 101 49.5 - 160 127024955 Parathion, ethyl 931 1000 ug/L 101 49.5 - 160 127024947 Parathion, ethyl 931 1000 ug/L 101 56.0 - 142 127024947 Parathion, ethyl 1010 1000 ug/L 101 56.0 - 142 127024953	
Parameter Reading Known Units Recover% Limits% File Malathion 950 1000 ug/L 95.0 49.5 - 160 127024947 Malathion 1070 1000 ug/L 107 49.5 - 160 127024953 Malathion 1010 1000 ug/L 101 49.5 - 160 127024953 Malathion, ethyl 931 1000 ug/L 93.1 56.0 - 142 127024947 Parathion, ethyl 1010 1000 ug/L 101 56.0 - 142 127024953	
Parameter Reading Known Units Recover% Limits% File Malathion 950 1000 ug/L 95.0 49.5 - 160 127024947 Malathion 1070 1000 ug/L 107 49.5 - 160 127024953 Malathion 1010 1000 ug/L 101 49.5 - 160 127024955 Parathion, ethyl 931 1000 ug/L 93.1 56.0 - 142 127024947 Parathion, ethyl 1010 1000 ug/L 101 56.0 - 142 127024953	
Malathion9501000ug/L95.049.5 - 160127024947Malathion10701000ug/L10749.5 - 160127024953Malathion10101000ug/L10149.5 - 160127024955Parathion, ethyl9311000ug/L93.156.0 - 142127024947Parathion, ethyl10101000ug/L10156.0 - 142127024953	
Malathion10701000ug/L10749.5 - 160127024953Malathion10101000ug/L10149.5 - 160127024955Parathion, ethyl9311000ug/L93.156.0 - 142127024947Parathion, ethyl10101000ug/L10156.0 - 142127024953	
Malathion 1010 1000 ug/L 101 49.5 - 160 127024955 Parathion, ethyl 931 1000 ug/L 93.1 56.0 - 142 127024947 Parathion, ethyl 1010 1000 ug/L 101 56.0 - 142 127024953	
Parathion, ethyl 931 1000 ug/L 93.1 56.0 - 142 127024947 Parathion, ethyl 1010 1000 ug/L 101 56.0 - 142 127024953	
Parathion, ethyl 1010 1000 ug/L 101 56.0 - 142 127024953	
Parathion, ethyl 800 1000 ug/L 80.0 56.0 - 142 127024955	
Parathion, methyl 949 1000 ug/L 94.9 12.6 - 194 127024947	
Parathion, methyl 901 1000 ug/L 90.1 12.6 - 194 127024953	
Parathion, methyl 719 1000 ug/L 71.9 12.6 - 194 127024955	
LCS Dup	
Parameter PrepSet LCS LCSD Known Limits% LCS% LCSD% Units RPD 1	imit%
Malathion 1146684 443 469 1000 0.100 - 130 44.3 46.9 ug/L 5.70 3	0.0
Parathion. ethyl 1146684 534 560 1000 0.100 - 122 53.4 56.0 ug/L 4.75 3	0.0
Parathion, methyl 1146684 485 507 1000 0.100 - 131 48.5 50.7 ug/L 4.44 3	0.0
Surrogate	
Parameter Sample Type Reading Known Units Recover% Limits% File	
Tributylphosphate CCV 954 2000 ug/L 47.7 0.100 - 106 127024947	
Tributylphosphate CCV 1060 2000 ug/L 53.0 0.100 - 106 127024953	
Tributylphosphate CCV 979 2000 ug/L 49.0 0.100 - 106 127024955	
Triphenylphosphate CCV 947 2000 ug/L 47.4 0.100 - 172 127024947	
Triphenylphosphate CCV 1180 2000 ug/L 59.0 0.100 - 172 127024953	
Triphenylphosphate CCV 1110 2000 ug/L 55.5 0.100 - 172 127024955	
Tributylphosphate 1146684 Blank 70.5 2000 ug/L 3.52 0.100 - 106 127024948	
Tributylphosphate 1146684 LCS 460 2000 ug/L 23.0 0.100 - 106 127024949	
Tributylphosphate 1146684 LCS Dup 494 2000 ug/L 24.7 0.100 - 106 127024950	
Triphenylphosphate 1146684 Blank 266 2000 ug/L 13.3 0.100 - 172 127024948	
Triphenylphosphate 1146684 LCS 501 2000 ug/L 25.0 0.100 - 172 127024949	
Triphenylphosphate 1146684 LCS Dup 516 2000 ug/L 25.8 0.100 - 172 127024950	
Tributylphosphate 2352363 Unknown 0.376 1.90 ug/L 19.8 0.100 - 106 127024952	
Triphenylphosphate 2352363 Unknown 0.618 1.90 ug/L 32.5 0.100 - 172 127024952	
Applytical Set 1147989	A 622
Blank	
Parameter PrepSet Reading MDL MQL Units File	
Azinphos-methyl (Guthion) 1146684 ND 0.0001844 0.050 ug/L 127025257	
Chlorpyrifos 1146684 ND 0.0000904 0.050 ug/L 127025257	
Email: Kilgore.ProjectManagement@spllabs.com	



TAML-G

Eurofins TestAmerica, Corpus Christi Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408



Project

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				В	lank						
Parameter	PrepSet	Reading	MDL	MQL	Units			File			
Demeton	1146684	ND	0.0001628	0.050	ug/L			127025257			
Diazinon	1146684	ND	0.0001728	0.050	ug/L			127025257			
Malathion	1146684	ND	0.0001864	0.050	ug/L			127025257			
Parathion, ethyl	1146684	ND	0.0001168	0.050	ug/L			127025257			
Parathion, methyl	1146684	ND	0.000198	0.050	ug/L			127025257			
				c	cv						
		D U	V	TT 11	D 0/	T : : 0/		E.1			
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Azinphos-methyl (Guthion)		943	1000	ug/L	94.3	37.0 - 150		12/025256			
Azinphos-methyl (Guthion)		1130	1000	ug/L	113	37.0 - 150		12/025262			
Azinphos-methyl (Guthion)		1040	1000	ug/L	104	37.0 - 150		12/025263			
Chlorpyritos		954	1000	ug/L	95.4	48.0 - 150		12/025256			
Chlorpyritos		1230	1000	ug/L	123	48.0 - 150		12/025262			
Chlorpyritos		1290	1000	ug/L	129	48.0 - 150		12/025263			
Demeton		935	1000	ug/L	93.5	16.0 - 150		12/025256			
Demeton		1110	1000	ug/L	111	16.0 - 150		12/025262			
Demeton		993	1000	ug/L	99.3 02.6	16.0 - 150		12/025263			
Diazinon		930	1000	ug/L	93.0	50.0 - 150		12/025256			
Diazinon		11/0	1000	ug/L	11/	50.0 - 150		12/025262			
Diazinon		1100	1000	ug/L	110	50.0 - 150		12/025265			
Malathion		950	1000	ug/L	95.0	50.0 - 150		12/025256			
Malathion		10/0	1000	ug/L	10/	50.0 - 150		12/025262			
Malathion		1010	1000	ug/L	101	50.0 - 150		12/025263			
Parathion, ethyl		931	1000	ug/L	93.1	50.0 - 150		127025256			
Parathion, ethyl		1010	1000	ug/L	101	50.0 - 150		12/025262			
Parathion, ethyl		800	1000	ug/L	80.0	50.0 - 150		12/025263			
Parathion, methyl		949	1000	ug/L	94.9	50.0 - 150		12/025256			
Parathion, methyl		901	1000	ug/L	90.1	50.0 - 150		12/025262			
Parathion, methyl		719	1000	ug/L	71.9	50.0 - 150		12/025263			
				LC	5 Dup						
<u>Parameter</u>	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Azinphos-methyl (Guthion)	1146684	0.585	0.613		1.00	0.100 - 167	58.5	61.3	ug/L	4.67	30.0
Chlorpyrifos	1146684	0.528	0.559		1.00	0.100 - 128	52.8	55.9	ug/L	5.70	30.0
Demeton	1146684	0.442	0.469		1.00	0.100 - 119	44.2	46.9	ug/L	5.93	30.0
Diazinon	1146684	0.492	0.520		1.00	0.100 - 143	49.2	52.0	ug/L	5.53	30.0
Malathion	1146684	0.443	0.469		1.00	0.100 - 156	44.3	46.9	ug/L	5.70	30.0
Parathion, ethyl	1146684	0.534	0.560		1.00	0.100 - 148	53.4	56.0	ug/L	4.75	30.0
Parathion, methyl	1146684	0.485	0.507		1.00	0.100 - 154	48.5	50.7	ug/L	4.44	30.0
				Sur	rogate						
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File			
Tributylphosphate	×	CCV	954	1000	ug/L	95.4	0.100 - 115	127025256			
Tributylphosphate		CCV	1060	1000	ug/L	106	0.100 - 115	127025262			
Tributylphosphate		CCV	979	1000	ug/L	97.9	0.100 - 115	127025263			
Triphenylphosphate		CCV	94 7	1000	ug/L	94.7	0.100 - 115	127025256			

Email: Kilgore.ProjectManagement@spllabs.com



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Eurofins TestAmerica, Corpus Christi Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408



Project

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<u>Parameter</u>	Sample	Туре	Reading	Known	Units	Recover%	Limits%	File			
Triphenylphosphate		CCV	1180	1000	ug/L	118 *	0.100 - 115	127025262			
Triphenylphosphate		CCV	1110	1000	ug/L	111	0.100 - 115	127025263			
Tributylphosphate	1146684	Blank	70.5	1000	ug/L	7.05	0.100 - 115	127025257			
Tributylphosphate	1146684	LCS	460	1000	ug/L	46.0	0.100 - 115	127025258			
Tributylphosphate	1146684	LCS Dup	494	1000	ug/L	49.4	0.100 - 115	127025259			
Triphenylphosphate	1146684	Blank	266	1000	ug/L	26.6	0.100 - 115	127025257			
Triphenylphosphate	1146684	LCS	501	1000	ug/L	50.1	0.100 - 115	127025258			
Triphenylphosphate	1146684	LCS Dup	516	1000	ug/L	51.6	0.100 - 115	127025259			
	1140757	-			-						ED 4 (22)
Analytical Set	1148/3/			в	lank						EPA 632
								-			
Parameter	PrepSet	Reading	MDL	MQL	Units			File			
Carbaryl (Sevin)	1146682	ND	66.1	2500	ug/L			127045663			
Danitol	1146682	126	66.1	2500	ug/L			127045663			
Diuron	1146682	51.0	44.4	45.0	ug/L			12/045663			
				C	CV						
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File			
Carbaryl (Sevin)		938	1000	ug/L	93.8	70.0 - 130		127045662			
Carbaryl (Sevin)		950	1000	ug/L	95.0	70.0 - 130		127045666			
Carbaryl (Sevin)		980	1000	ug/L	98.0	70.0 - 130		127045671			
Carbaryl (Sevin)		986	1000	ug/L	98.6	70.0 - 130		127045672			
Danitol		1060	1000	ug/L	106	70.0 - 130		127045662			
Danitol		1060	1000	ug/L	106	70.0 - 130		127045666			
Danitol		876	1000	ug/L	87.6	70.0 - 130		127045671			
Danitol		93 1	1000	ug/L	93.1	70.0 - 130		127045672			
Diuron		960	1000	ug/L	96.0	70.0 - 130		127045662			
Diuron		999	1000	ug/L	99.9	70.0 - 130		127045666			
Diuron		906	1000	ug/L	90.6	70.0 - 130		127045671			
Diuron		969	1000	ug/L	96.9	70.0 - 130		127045672			
				LCS	5 Dup						
<u>Parameter</u>	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1146682	972	1050		1000	17.1 - 131	97.2	105	ug/L	7.72	30.0
Danitol	1146682	684	686		1000	0.100 - 334	68.4	68.6	ug/L	0.292	30.0
Diuron	1146682	731	673		1000	0.100 - 138	73.1	67.3	ug/L	8.26	30.0
Analytical Set	11 49735										EPA 614
				c	cv						
Parameter_		Reading	Known	Units	Recover%	Limits%		File			
Malathion		953	1000	ug/L	95.3	49.5 - 160		127070444			
Malathion		1120	1000	ug/L	112	49.5 - 160		127070452			
Parathion, ethyl		947	1000	ug/L	94.7	56.0 - 142		127070444			
Parathion, ethyl		1230	1000	ug/L	123	56.0 - 142		127070452			

Surrogate

Email: Kilgore.ProjectManagement@spllabs.com



95.4

12.6 - 194

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127070444

2.24.11.19

Parathion, methyl

ug/L

1000

954

TAML-G

Eurofins TestAmerica, Corpus Christi Lindy Maingot 1733 N. Padre Island Drive Corpus Christi, TX 78408



Project

1124430

Printed 11/27/2024

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EPA 622

				СС	:v			
<u>Parameter</u>		Reading	Known	Units	Recover%	Limits%		File
Parathion, methyl		1210	1000	ug/L	121	12.6 - 194		127070452
				Surro	gate			
<u>Parameter</u>	Sample	Туре	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	963	2000	ug/L	48.2	0.100 - 106	127070444
Tributylphosphate		CCV	1130	2000	ug/L	56.5	0.100 - 106	127070452
Triphenylphosphate		CCV	952	2000	ug/L	47.6	0.100 - 172	127070444
Triphenylphosphate		CCV	1070	2000	ug/L	53.5	0.100 - 172	127070452
Tributylphosphate	2352362	Unknown	0.0883	1.91	ug/L	4.62	0.100 - 106	127070448
Triphenylphosphate	2352362	Unknown	0.126	1.91	ug/L	6.60	0.100 - 172	127070448

1149739 Analytical Set

Parameter	Reading	Known	Units	Recover%	Limits%		File
Azinphos-methyl (Guthion)	943	1000	ug/L	94.3	37.0 - 150		127070512
Azinphos-methyl (Guthion)	1180	1000	ug/L	118	37.0 - 150		127070520
Chlorpyrifos	959	1000	ug/L	95.9	48.0 - 150		127070512
Chlorpyrifos	1080	1000	ug/L	108	48.0 - 150		127070520
Demeton	953	1000	ug/L	95.3	16.0 - 150		127070512
Demeton	1090	1000	ug/L	109	16.0 - 150		127070520
Diazinon	954	1000	ug/L	95.4	50.0 - 150		127070512
Diazinon	11 20	1000	ug/L	112	50.0 - 150		127070520
Malathion	953	1000	ug/L	95.3	50.0 - 150		127070512
Malathion	1120	1000	ug/L	112	50.0 - 150		127070520
Parathion, ethyl	94 7	1000	ug/L	94. 7	50.0 - 150		127070512
Parathion, ethyl	1230	1000	ug/L	123	50.0 - 150		127070520
Parathion, methyl	954	1000	ug/L	95.4	50.0 - 150		127070512
Parathion, methyl	1210	1000	ug/L	121	50.0 - 150		127070520
			Surr	ogate			
Parameter Sample	Туре	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate	CCV	963	1000	ug/L	96.3	0.100 - 115	127070512
Tributylphosphate	CCV	1130	1000	ug/L	113	0.100 - 115	127070520
Triphenylphosphate	CCV	952	1000	ug/L	95.2	0.100 - 115	127070512
Triphenylphosphate	CCV	1070	1000	ug/L	107	0.100 - 115	127070520

* 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); 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.)

Email: Kilgore.ProjectManagement@spllabs.com



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ofins Corpus Christi (1,, N. Padre Island Drive Corpus Christi, TX 78408 Phone: 361-289-2471 Fax: 361-289-2673	(Chain	of Cu	stody F	Rec	ord							🀼 eurofin	IS Environment Tes
Client Information (Sub Contract Lab)	Sampler: N/A			Lab Ma	PM: ingot, L	.indy				Carrier Tra N/A	acking No(s):	COC No: 560-30663 1	
Client Contact:	Phone:			E-M	ail:					State of O	rigin:		Page:	
Shipping/Receiving Company:	IN/A				Accre	litations Re	euronn: iquired (S	sus.com		lexas			Page 1 of 1	
Ana-Lab Corporation					NEL	AP - Tex	18						560-122237-1	
Address: 2600 Dudley Rd,	Due Date Request 11/18/2024	ed:						Analys	sis Red	quested	1		Preservation C	odes:
City:	TAT Requested (d	aya):				- H	1			ÎΤ	П			
State, Zip:		107	•			azino 100, D	1							
TX, 75662	PO #						N N							
N/A	N/A					Ane to the	Ť							
Email: N/A	WO#: N/A					A try	a 53						S.	
Project Name:	Project #:						And (da						1000	
OSO Raw and Final, 11/5/24 Site:	56009919 SSOW#:					nd hor	E To						Other:	
N/A	N/A			· · · · · ·	-15	thion,	Ho C	11					N/A	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastn/oll, BT=Tissue, A=Ak)	SUB (622 Gub (Ana Lab)) 62 SUB (614 Para	Perethion and SUB (632 Dan						Special	instructions/Note:
	and the second secon		a var modelan Silada asaasada		1		al Later			And Andrews	an care	ALAL SAL	12.200	
OSO Raw (560-122237-1)	11/5/24	Central	G	Water		X Y	(X						22	-) z 6)
OSO Final (560-122237-2)	11/5/24	06:00 Central	G	Water		x >	(X							7/3
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1()					++	+								
/ce	1922	Ret			11									
Date	Time Te	ch	<u> </u>											
Temp:	2.4/2	-d-	_•		П									
Therm#: 64	44 Corr Fact:	0.2 C			\mathbf{H}								· · · · · · · · · · · · · · · · · · ·	
Note: Since laboratory accreditations are subject to change, Eurofins Enviro laboratory does not currently maintain accreditation in the State of Origin lis accreditation status should be brought to Eurofins Environment Testing Sou	nment Testing South Cent led above for analysis/test th Central, LLC attention ir	rai, LLC places /matrix being a nmediately. If	the ownershi analyzed, the s all requested s	p of method, an samples must b accreditations a	alyte & a e shippe re curren	ccreditation d back to the t to date, re	a complia a Eurofir sturn the	nce upon ou is Environme signed Chair	r subcontr ant Testing n of Custo	act laborato South Cen dy attesting	ries. This s trai, LLC lat to said com	ample shipme loratory or othe pliance to Euro	nt is forwarded under i er instructions will be p ofins Environment Tes	chain-of-custody. If the rovided. Any changes to ting South Central, LLC.
Possible Hazard Identification					S	ampie Di	sposal	(A fee m	ay be a	ssessed	if sample	s are retai	ned longer than	month)
Unconfirmed Deliverable Requested: I. II. III. IV. Other (specify)	Primary Deliver	able Rank:	2		S	Retu Decial Ins	Im To C	s/QC Reg	uiremer	visposal B uts:	ly Lab	- Arc	phive For	Months
		10.1												
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Relinquished by:	Date/Time:	0		Company		Receive	7	0	- /		Date/		1 (07)	Company
Relinquished by:	Date/Time:	1 1	77	Company		Received	t by:				Date/	1/1/2/2 Timple: /	-7 103	Company
Custada Saala latasta Custada Saal Na				L		Cantor 7		n/n) 90 m-1	Other D:					
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No			ana Ali Nganatana			Cooler	emperatu	re(s) "C and	Uther Rei	narks:				
						-		1	×.					Ver: 10/10/2024

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Report Page 13 of 13

Eurofins Cornus Christi														
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riuue (201) 200-2411 riuue (201) 200-2012	Sampler:			Lab P Main	M: aot. Lindv	260-1	22237 0	hain of	Custod			r	COC No: 560-50360-880	71
Client Contact	Phone:			E-Mai		1			State of O	igin:			Page:	
Crystal Ybanez				Lind	/.Maingot@	et.eurofins	us.com					T	Fage 1 of 2	
company: Water Utilities Laboratory			PWSID:				Analys	is Req	uested	_	ŀ		<u>N</u>	223+
Address: 13101 Leopard St.	Due Date Requeste	÷				ZBIQ (d						18 N -	Preservation Co N None S HOSCA	des:
Giv: Corpus Christi	TAT Requested (da	ys):				al saA ,noten		Aretur	۲۲			N	HA AscbAcd&HCI D HNO3	
State, Zip: TX, 78410	Compliance Projec	t: Δ Yes Δ	No		(u	hlon () her	Juelev	աւ եւ	d 2 Lie hane (uoja		sepni		
Phone:	Po #: Pretreatment				() ојпвЭ)	ieleM b dinyqro	י' Hoxe (קייד)	s ensitie	unoidor na 1.3	voH) a noisuc		ce fux		
Email: CrystalY@cctexas.com	WO #:				, Fevel Manager Manager Manager	ian an Man an	snA) (o nuimon	ansitea	*XeH +	ihilV-e H) ebh		الع 'S 2۸0		
Project Name: OSO Raw and Final	Project #: 56009919				л' гом 1	Parath Guthic	40 8) 40 8)	molsdi 	sebioi:	ientivi, Ioulii 0	(9	bos f . anisio		
SHE PRENERINENT	SSOW#:				Mercur Mercur	T 614	200 CH	11 03 1 mu	theH S. zeq 113	8D 30	t) aleie	00 JO J	Other	
		Sampie	Sample Type (C=comp,	Matrix (www.mr. S=solid, O=wasta(oli,	31E 1631 E Geographia Black and a fillend	рсоиткас.	ЭАЯТИОЭВ(95 8_ЯЭ_00	ЯЧ_аю,Ч_2,А,	819 COM.,8 8.3 608.3/36	10, 2535, 253,2 NI 10, ORGFM2	M 8.002 8.0	e (aow) - r.a IedmuN fisto		
Sample Identification	Sample Date	Time	G=grab) Preserval	et-teeue, A-AL) Hon Code:	91 Z	າຣ ຜ	9° Z	N 62	09 <u>Z</u>	Z 30 01 39	07 00	29 79	Special I	nstructions/Note:
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OSO Final	TENON S	0000	ۍ	Water	×	XX	- - X	X	<u>х</u> х	X X		<u>۲</u>	PH-FIN	144-6.9
OSO Raw Field Blank	S Nov an	0630	٦	Water	×									
OSO Final Field Blank	YE VON SY	0600	رد	Water	*									
OSORAW	Pre voci S	0540	J	WRITER			×				×			
OLO FINAL	r way ay	00990	J	WHIER			*				×			
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Possible Hazard Identification	on B		adiological		Sample R	Disposal eturn To C	(A fee n lient	ay be a	ssessed isposal f	if samp 3y Lab	les are	retaine] Arch	d longer than '	(month) Months
Deliverable Requested: I II III IV Other (specify)			>		Special	Instruction	VOC Rec	luiremen	ts:					
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Reinquished by:	Date/Time:			Company	Recei	ved by:				Dat	a/Time:			Company
Custody Seals Intact: Custody Seal No. A Yes A No					Coole	r Temperatur	e(s) °C and	Other Re	narks:	Ś	70/1	27	11-14	
														Ver 05/06/2024

Eurofins Corpus Christi												-	
1733 N. Padre Island Drive	0	thain o	of Cust	tody R	ecord							Environment Testing	
Corpus Christi, TX 78408 Phone (361) 289-2471 Phone (361) 289-2673				1									
	Sampler			Lab Pr Main	k: bot. Lindv			Carrie	Tracking No(s	;;	COC No: 560-50360-88(17.2	
Client Christ	Phone:			E-Mail				State (of Origin:		Page:		
Crystal Ybanez				Lindy	.Maingot@	et.eurofins	us.com	_			Page 2 of 2		
Company: Water Utilities Laboratory			PWSID:				Analys	is Request	ed			25+	
Address: 13101 Leopard St.	Due Date Requesta	ij					 [t				Preservation Co N None B NaOH	odes:	
City. Corpus Christi	TAT Requested (da	ys):					1812081	. <u></u>			HB Ascbacd&Na A HCL	£	
State, Zip. TTX, 78410	Compliance Project	t: A Yes A	No		noH)	litelo	eld bio						
Phone:	PO # Pretreatment				ז רואנ (ס)	at at 2 Vi	A X86						
Email: CrystalY@cctexas.com	₩O#;				V TOR	a I.O InsyO	V ,ebin				SJR		
Project Name: OSO Raw and Final	Project #: 56009919				e (Ae	selfisio IsloT	r c∧≖				mistro		
""PRETREATMENT	SSOW#:				qms2 Mgm Hee9 S	V 1.15	00 ⁻ CN				oo jo t Deer		
		Sampie	Sample Type (C=comp,	Matrix (Winnator, Smealid, Onwartafiail,	25 (WOD) 63 040000 1100 040 51(6100	9 (CIOM) 1.45 9 10_84519	800 CN 1 48				edmuMilafa o o o o o o o o o o o o o o o o o o	hetu retions/Note-	
Sample Identification	Sample Date	Time	<u>G=grab) </u> Preservat	ion Code:	ы Х Х N	а к х ех	ار ب						
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OSO Final	HENOR S	00400	Ŀ	Water	×	Х Х	×				DH-FL	JAL- 6.9	
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Possible Hazard Identification			Padiological		Sample	Disposal	l (A fee m Slient	ay be asses	sed if samp al Bv Lab	les are ret	ained longer than rchive For	1 month) Months	
Deliverable Requested: I, II, III IV Other (specify)		1 IIIII	duronogical		Special	Instruction	Is/QC Req	uirements:					
Empty Kit Relinquished by		Date:			Time:	`			Method of Ship	ment			
Reinquisted by	Date/Time:	5180		Company Carlo Carlo	بر بر ز	ived by/	Ŵ	X	Da 	15/2(1 0813	Company	
Relinquished by:	Date/Time:			Company	A Second	Ned by)		te/Time:		Company	
Relinquished by:	Date/Fime:			Сотралу	Rece	ived by:			Pa D	te/Time:		Company	
Custody Seals Intact: Custody Seal No.					Coale	er Temperati	ıre(s) °C and	Other Remarks:	1.2	1/0	1°C 1R-	Ţ	
ΔYes ΔNO										ļ		Ver. 05/06/2024	

Eurofins Corpus Christi 1733 N. Padre Island Drive

Chain of Custody Record



eurofins Environment Testing

Corpus Christi, TX 78408 Phone: 361-289-2471 Fax: 361-289-2673

FINALE 301228924111 AX. 3012892013	Sampler	Sampler Li N/A M									c	amer T	racking	No(s):			COC No:	
Client Information (Sub Contract Lab)	N/A Phone:			E-Ma	ngot, iii:	Linay					s	tate of	Origin:				Page:	
Shipping/Receiving	N/A			Linc	ly Ma	aingot@	get.eu	rofinsu	s.com		l	exas	-				Page 1 of 1	
Company: Eurofips Environment Testing North Centr					Acci	reditation	s Requi Texas	ired (See	i note);								Job #: 560-122237 1	
Address:	Due Date Requested	:			1												Preservation Co	des:
180 S. Van Buren Avenue,	11/18/2024				-	1993SIN			Anal	ysis	Requ	ieste	<u>d</u>			19885	22	
City: Barberton	TAT Requested (dzys	⊪): N/A								[
State, Zip: OH, 44203						evel												
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO#: N/A				<u>ן</u>	Low L												
Email:	WO#:				N IC	G N												
Project Name:	Project #:					Merce N										218US		
OSO Raw and Final, 11/5/24	56009919					998 4 31 E										nta t		
Site: N/A	SSOW#: N/A				Samp	ISD () rep 16										ofco	Other N/A	
Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewster, Secold, Oewasto/oll, BTETIseue, AnAir tion Code:	KField Filtered	K Pertorn MS/N 1631E/1631E_P	firmul									X Total Number	Special I	-Hg nstructions/Note:
OSO Baw (560-122237-1)	11/5/24	06:30	G	Woter	ÍŤ											ار ا ا		
	1//3/24	Central 06:00		Trates	╀╌┠	+					┣──┣•				\vdash			
USO Final (560-122237-2)	11/5/24	Central	G	vvater	\downarrow	×					ļ							
OSO Raw Field Blank (560-122237-3)	11/5/24	Central	G	Water		×				ļ								
OSO Final Field Blank (560-122237-4)	11/5/24	06:00 Central	G	Water		X										1		
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Note: Since laboratory accreditations are subject to change, Eurofins Environ laboratory does not currently maintain accreditation in the State of Origin liste accreditation status should be brought to Eurofins Environment Testing South	i ment Testing South Central, d above for analysis/tests/m n Central, LLC attention imm	LLC places atrix being a ediately. If a	the ownership nalyzed, the sa il requested ad	of method, and amples must be ccreditations as	alyte å ship e curi	accredi ped back rent to da	tation c to the i ite, retu	omplianc Eurofins Im the sig	e upon Enviror Ined Ct	our su ument] nain of	L Econtra Festing : Custody	t labor South C attesti	atories. ientral, ing to sa	This s LLC tat aid com	ampie boratory pliance	shipmer y or othe to Euro	at is forwarded under ir instructions will be p fins Environment Tes	chain-of-custody. If the provided. Any changes to ting South Central, LLC.
Possible Hazard Identification						Sampl	e Disp	oosal (A fee	may	be as	sesse	d if s	ample	es are	retair	ned longer than	1 month)
Unconfirmed	Drimer Delive-t	la Banka C				ر ت - ندعو	Return	To Cli	ent		Di.	sposa	By L	ab		- Arc	hive For	Months
menveranie requested: i in in, iv Other (specify)	Primary Deliverab	ae rank: 2				opecia	าเมรนณ	ucuons	NUC R	equir	ement	s.						
Empty Kit Relinquished by	D	ate:			Tim	ne:						Me	thod of	Shipm	ent:			
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Relinquished by:	Date/Time:			Company		Rec	eived b	y:						Date/	Time:			Company
Relinquished by:	Date/Time:			Сотралу	Received by: Date/Time: Company													
Custody Seals Intact: Custody Seal No. Δ Yes Δ No			L			Cooler Temperature(s) ^e C and Other Remarks;												

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VOA Sample Preservation - Date/Time VOAs Frozen
20. SAMPLE PRESERVATION Sample(s) were further preserved in the laboratory
Sample(s)
19. SAMPLE CONDITION Sample(s) were received after the recommended holding time had expired
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES 2 additional next page Samples processed by:
Contacted PM Date by via Verbal Voice Mail Other Concerning
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #Yes No 17 Was a LL Hg or Me Hg trip blank present?Yes No
 Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC447997 Were VOAs on the COC? Yes No Yes No Yes No
12. Are these work share samples and all listed on the COC? If yes, Questions 13-17 have been checked at the originating laboratory
 9 For each sample, does the COC specify preservatives (Y(N), # of containers (Y)N), and sample type of grab/comp(X)N)? 10 Were correct bottle(s) used for the test(s) indicated analyzes? 11 Sufficient quantity received to perform indicated analyzes?
 7 Did all bottles arrive in good condition (Unbroken)? 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
 Did custody papers accompany the sample(s)? Were the custody papers relinquished & signed in the appropriate place? Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
-Were tamper/custody seals intact and uncompromised? (Yes) No NA 3 Shippers' packing slip attached to the cooler(s)? (Yes) No VOAs
 Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No Were the seals on the outside of the cooler(s) signed & dated? Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?
IR GUN # 21 (CF 40.2 °C) Observed Cooler Temp. 6.5 °C Corrected Cooler Temp. 6.7 °C
COOLANT: Weffige Blue Ice Dry Ice Water None
Eurofins Cooler # CC Foam Box Client Cooler Box Other
FedEx: 1 st Grd E(p) UPS FAS Waypoint Client Drop Off Eurofins Courier Other Receipt After-hours Dron-off Date/Time Storage Location
Citent <u>Eurohys - Corpus Christsite Name</u> Cooler unpacked by Cooler Received on 11/16/24 (M
Eurofins – Cleveland Sample Receipt Form/Narrative Barberton Facility

W1-NC-099-092324 Cooler Receipt Form.doc

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Eurofins Corpus Christi 1733 N. Padre Island Drive

Chain of Custody Record



🗱 eurofins

Environment Testing

^{*} Corpus Christi, TX 78408 Phone: 361-289-2471 Fax: 361-289-2673

	Sampler					_													
Client Information (Sub Contract Lab)	N/A			Lab F Mair	M: Mont	Lind	v					Carrier Tra	icking N	D(\$):		COC No:			
Client Contact:	Phone:			E-Ma	il:	Lina	,					itata of O	riain			Page		_	
Shipping/Receiving	N/A			Lind	y.Ma	ingot	@et.e	urofin	sus.co	m		exas				Page 1 of 1			
Company:					Accr	editati	ons Red	quired (S	See note	e) :						Job #:			-
Address	In				NEI	LAP -	Texa	S								560-122237-	-1		
2425 New Holland Pike	11/19/2024	ed:							A	aluaia	Dem					Preservation	Codes:		
City:	TAT Requested (d	aval:			10010		T	1		alysis	Requ	lested	 		1	•			
Lancaster		N//	A																
State, Zip:	1					ę									156				
PA, 17601					120	I III													
Phone:	PO#					0													
////-000-2000(10)	IN/A				Î	S													
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			Comolo	Matrix	3	55M									la la				
			Type	(Wewster,	ja l		cid								En				
		Sample	IC=comp.	S-solid,	5		K N	1 1							N				
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	BT=Tissue, A=Air)	ē.,	P.B.	Ň								Tot.	Specir	al Instri	uctions/	Note:
	\sim	×	Preserva	tion Code:	1XT	X		-					Carrier and Con		X				
OSO Barry (550 122237 1)	14/5/24	06:30	0	Mater	ľΨ	1.		-		-					KY		ALC: NO.	100 H 100	
USO Raw (560-122237-1)	11/5/24	Central	G	vvater	Ш		^								1				
OSO Final (560-122237-2)	11/5/24	06:00	G	Water	11		x								1				
		Central			┝╌┠╴					_	+-+		\vdash		Sector 1				
															BRUST.				
					П										in wood				
					\vdash						+	-			And States				
															Pres 1				
					\square	_					+	_			1.0.02				
															Value 2				
				1.09 P			-				+-+				2000				
				15											562027				
															50.5				
Note: Since laboratory accreditations are subject to change, Eurofins Environment	t Testing South Cent	al, LLC places	s the ownership	of method, ana	lyte &	accra	ditation	complia	ince up	on our s	ubcontra	ct laborate	ories. Th	his sample sh	ipment i	s forwarded und	ler chain-	of-custody	If the
laboratory does not currently maintain accreditation in the State of Origin listed ac accreditation status should be brought to Eurofins Environment Testing South Ce	ntral, LLC attention in	nmediately. If	all requested a	ccreditations are	a curre	ent to d	date, re	turn the	signed	Chain o	f Custody	attesting	to said (compliance to	o Eurofin	is Environment	Testing S	outh Centr	al, LLC
		4					1. 01									11			
Possible Hazard Identification					1	samp		sposa		ee may	/ De as	585580	ir sam	pies are r	etaine]	a longer tha	in 1 mo	ontn)	
Unconfirmed					-		' Retu	m To (Client		<u> </u>	sposal E	By Lab		* Archi	ve For	_	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2		15	Speci	al Inst	ruction	ns/QC	Requi	rement	5:							
		Data			Tim	0		_	_			Meth	od of Sh	inment:	_				
Empty Kit Relinquished by:		Date.			L														
Relinquished by:	Date/Tina	1 170	M	Company		Re	sceived	by:	-					ate/Time:				ompany	
	111012		0	Company			ceived	bur			_		- 6	nto/Time				000000	
Relinquished by:	Date/Time:			Company		I've	1001400	-y					-		_			authon A	
Pelinguished by:	Date/Time:				Re	ceived	by:		6			D	ate/Tima:			Cc	ompany _	11	
Noninguisriou by.						8	1.20	Land	L	لحريل	in			11/7/	24	4:5	0	CI	10
Custody Seals Intact: Custody Seal No						C	oler Te	mperati	ure(s) °C	C and OI	or Rem	arks:							
A Yos A No																			

Login Number: 122237 List Number: 1

Creator: Stacy, Taylor

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

Job Number: 560-122237-1

List Source: Eurofins Corpus Christi

Login Number: 122237 List Number: 4 Creator: Trowbridge, Peyton

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Job Number: 560-122237-1

List Creation: 11/07/24 12:30 PM

List Source: Eurofins Eaton Analytical South Bend

12

Login Number: 122237 List Number: 2 Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Job Number: 560-122237-1

List Source: Eurofins Houston

List Creation: 11/06/24 10:20 AM

Login Number: 122237 List Number: 5 Creator: Santiago, Nathaniel	List Source: Eu	urofins Lancaster Laboratories Environment Testing, LLC List Creation: 11/07/24 02:39 PM) N
Question	Answer	Comment	
The cooler's custody seal is intact.	N/A		
The cooler or samples do not appear to have been compromised or tampered with.	True		

Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.

2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .

3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.

4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.

- 5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
- 6. Data Qualifiers:

N=Analysis not performed as per client request. H=Sample exceeded holding time. P=Analysis is from an unpreserved sample. J=Value reported is less than the RL but greater than the MDL.
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EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample. EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample. E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

CHAIN OF CUSTODY RECORD

Client Name: 05	OWWTP	PNJ	THEATMENT)
Address: SOI NIL	E DN.		
City: <u>0.</u>		State:	TX Zip: 78412
Phone: (361) 83	4040	Fax:	N/A

Send Email report to



Water Utilities Laboratory 13101 Leopard St. Corpus Christi, TX 78410 Ph: (361) 826-1200 Fax: (361) 242-9131



Sampler (PLEASE PRINT) ALFAEDO BANCLA BANCLA							No. of Containers/ Mat Preservative			trix	R	tesidual Chlorine	ual Analyze For															
Sample ID	Lab ID# (T <i>ab Use Only)</i>	Date Sampled	Time Sampled	Grab	Composite	Uther Uther	HNO ₃	Thio	None WWW Indicant	WW Effluent	Water Other Credity	Lington Laino	fotal mg/L Free mg/L	CBOD	BOD	TSS	TDS	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	TOC	Fecal Coliform	Total Coliform	Enterococci	Other · HEM
EFF	AC39719	3 SEP 24	0600		×	×				x							×	×		ر	X							
EFF		3SEP 24	0600		×			>	~	×				×		x٧	(x	×	2	××	(
EFF	A(39720	4SEP 24	0820	×				×		X																>	<	
EFF	AC39719	4SEP24	0820	×		×	1			X																		×
EFF	1	3 SEP AY	0600	×				4	x	×													×	-				
Relinquished By:	N	Dat	e: 4SE	SI	+		Time	e: 1	013	£	Γ					••• F	or La	abor	ator	y Use	e Or	nly **						
Received By: Lon	ier 27	Dat	e: 9/4/	24	Ċ		Time	a:]	0):	2	San	nple	(s) on ice	. (ES	NO		pH S	trip L	ot/ ID	h	12	80	18				
Relinquished By:	00	Dat	e:				Time	e:			Rec	eivir	ng Temp	(°C):	14	f.c	1	pH <	: 2?	VES) •	10	Lin	e(s) #	ŧ	1		
Received By:		Dat	e:				Time	e:			Cor	recte	ed Temp	(°C):	14	f.c	1			6					2			0
											Ten	np. D	Device ID		A													
Special Instructions/Comments:	PH- 7.1	DIS	SOLVED	QY	YUE	14.8 - 4					_				4	0	Cor	ous	1/-	tere								
	FIELD T	ESTTIME	- 0731	2				-			-					(nri	str	vVa	ter	V	1						
				-		-			-	_	-					0	envin	a the	0	stal F	lene							



City of Corpus Christi Water Utilities Laboratory 13101 Leopard Street 361-826-1200 Fax: 361-242-9131

Analytical Report



Client Info Os 601 Co	o WWTP I Nile rpus Christi, TX	78412					Repo Sam Date Date	ort# /Lab ID#: AC39 ple Name: EFF Received: 09/04/20 Sampled: 09/03/20	719 Report Date: 9/12/24 024 Time: 10:12 10:12 024 Time: 06:00 10:12
Phone: (36	1) 826-4040		EMA	AIL: osor	eports@cctexas.com	า			
Parameter	Result	Unit	Flag	RL ₅	Date/Time Analyzed	Metho	d	Analyst	Analysis Comments
Ammonia by Probe	0.09	mg/L	J	0.1	9/6/24 10:32	SM 4500 NH	13 D -2	FK	
Carbonacious BOD	<1.23	mg/l		1.2	9/4/24 11:30	SM 521) B	CF, VM	
Chloride by Titration	454	mg/l		10	9/6/24 13:50	SM 4500	CI-B	VP	
Nitrate by IC	8.7	mg/L	О, Н	0.10	9/9/24 22:45	EPA 300).0	EUROFINS	
Nitrite by IC	0.079	mg/L	O, H,	0.10	9/9/24 22:45	EPA 300).0	EUROFINS	
Oil and Grease	6.8	mg/l	к	5.0	9/10/24 08:26	EPA 166	4 B	FK/VP	
Sulfate	220	mg/L	0	0.50	9/9/24 22:45	EPA 300	0.0	EUROFINS	
Total Alkalinity (to a pH of 4.	.5) 101.9	mg/l		20	9/4/24 11:19	SM 232) B	VP	
Total Dissolved Solids	1248	mg/L			9/5/24 08:45	SM 2540) C	VM	
Total Kjeldahl Nitrogen	1.60	mg/L		0.20	9/12/24 09:18	EPA 35	1.4	FK	
Total Phosphorus	0.54	mg/L			9/12/24 14:01	EPA 36	5.1	VP	
Total Suspended Solids	3.3	mg/L		2.5	9/5/24 14:38	SM 2540) D	FK/CF	

Sample Comments:

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Technical Director (or designee)

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Address: SOI NIL	E DN.		
City: <u>0.</u>		State:	TX Zip: 78412
Phone: (361) 83	4040	Fax:	N/A

Send Email report to



Water Utilities Laboratory 13101 Leopard St. Corpus Christi, TX 78410 Ph: (361) 826-1200 Fax: (361) 242-9131



Sampler (PLEASE PRINT) AUFREDO BATULA BANCIA							No. of Containers/ Ma Preservative			trix	Re	esidual hIorine	ual Analyze For															
Sample ID	Lab ID# <i>(Lat lise Only)</i>	Date Sampled	Time Sampled	Grab	Composite	H ₂ SO4	HNO3	Mago	WW Influent	WW Effluent	Water Other Snerify	To m	otal	CBOD	BOD	TSS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform Enterococci	E. coli	Other . HEM
EFF	AC39719	3 SEP 24	0600	د	<	×				x							x	×		د	<							
EFF	1	3SEP 24	0600	>	<			×		×				×	2	××	:		×	×	×	×						
EFF	A(39720	4SEP 24	0820	×			×	<		X																×		
EFF	AC39719	4SEP24	0820	×		×				x			. 3															×
EFF	-	3 SEP 24	0600	×				×	:	×													×					
Relinquished By:	-11-	Dat	e: 4SEP	24		1	ime:	: 10	513							•• Fo	or Lal	bora	tory	/ Use	Onl	y						
Received By:	nel 3t	Dat	e: 9/4/	24		Т	ime:	: 10	1/2	-	San	nple(s	s) on ice	. (ES	NO	p	H Str	rip La	ot/ ID:	W	28	lo	8				
Relinquished By:	00	Dat	e:		72	Т	ime:	:	9.9		Rec	eivin	ng Temp	(°C):	14	ł.9	F	iH <	2?	VES) N		Line((s) #:	1			
Received By:		Dat	e:			T	ime:	:			Con	recte	d Temp	(°C):	14	f.9				6-1								
											Tem	np. D	evice ID		A													
Special Instructions/Comment	cial Instructions/Comments: PH-7.1 DISSOLVED QX							.4	1						4	C	orp	us	1/	have								
	FIED TEST TIME - 0730																nris	C	Val	A	1	-						
	1.1.1	191						-	-	-						Se	rving	the	Coas	stal B	end							

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: ADDRESS:	CITY OF CORPUS CHRISTI P.O. BOX 9227 CORPUS CHRISTI, TX 78469-9277	PI	TX004 ERMIT N	7058	R	DI	0 SCHAR	01-A GE NUI	DMR MAILING ZIP CODE:	
FACILITY:	Oso WWTP			M	ONITO	RING	PERIO)	-] *
LOCATION:	601 Nile Drive		YEAR	MO	DAY		YEAR	MO	DAY]
ATTN: PETE	R ZANONI, CITY MANAGER	FROM	24	11	01	то	24	11	30	No Discharge

PARAMETER		QUANT	TTY OR LOADING		QU	JALITY OR CON	CENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	***	****	****	6.1	****	****	mg/L	0	01/01	Grab
00300 1 0 0 EFFLUENT GROSS	PERMIT REQUIREMENT	****	****	****	5 MO MIN	****	****	mg/L		01/01	Grab
PH	SAMPLE MEASUREMENT	****	****	****	6.9	****	7.9	SU	0	01/01	Grab
00400 1 0 0 EFFLUENT GROSS	PERMIT REQUIREMENT	****	****	****	6.0 MINIMUM	****	9.0 Maximum	SU		01/01	Grab
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	356	****	lb/d	4	3	11	mg/L	0	01/01	Compos
00530 1 0 0 EFFLUENT GROSS	PERMIT REQUIREMENT	2702 DAILY AV	****	lb/d	30 MX WK AV	20 DAILY AV	45 DAILY MX	mg/L		01/01	Compos
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	14.50	****	lb/d	0.17	0.14	0.24	mg/L	0	01/01	Compos
00610 1 0 0 EFFLUENT GROSS	PERMIT REQUIREMENT	540 DAILY AV	****	lb/d	6 MX WK AV	4 DAILY AV	10 DAILY MX	mg/L		01/01	Compos
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	12.38	13.46	MGD	****	****	****	***	0	CONTINUOUS	TOTALZ
EFFLUENT GROSS	PERMIT REQUIREMENT	REQ MONTHLY DAILY AVERAGE	REQ MONTHLY DAILY MAXIMUM	MGD	****	****	****	****		CONTINUOUS	TOTALZ
Flow, in conduit or thru treatment plant 50050 P 0	SAMPLE MEASUREMENT	****	11929	GPM	****	****	****	****	0	CONTINUOUS	TOTALZ
See Comments	PERMIT REQUIREMENT	****	68000 2-HR PEAK	GPM	****	****	****	****		CONTINUOUS	TOTALZ
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT		- ,								

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 property gather and		TEL	EPHONE		DATE	
EARL RICHARDSON	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. Thus, accurate, and complete. I an aware that there are similicant	·	361	826-1800	24	12	09
WWTP MANAGER	penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR	AREA Codo	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		AUTHORIZED AGENT		NUMBER			

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 1

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: ADDRESS:	City of Corpus Christi P.O. BOX 9227 CORPUS CHRISTI, TX 78469-9277	P	TX004 ERMIT N	7058	R		0 ISCHAR	01-A GE NUN	/IBER	DMR MAILING ZIP CODE:
FACILITY:	Oso WWTP			N		RING	PERIO)		
LOCATION: ATTN: PETE	601 Nile Drive Corpus Christi, TX 78469 R ZANONI, CITY MANAGER	FROM	YEAR 24	MO 11	DAY 01	то	YEAR 24	MO 11	DAY 30	No Discharge

PARAMETER	PARAMETER QUANTITY OR LOADING QUALITY OR CONCENTRATION							NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	13.35		MGD		****	****		0	99/99	TM TOTALZ
50050 Y EFFLUENT GROSS (Supplementary)	PERMIT REQUIREMENT	16.2 ANNL AVG		MGD		****	****			CONTINUOUS	TM TOTALZ
CHLORINE, TOTAL RESIDUAL 50060 A 0	SAMPLE MEASUREMENT	****	****		****	****	0.08	mg/L	0	01/01	GR GRAB
Disinfection, Process Complete	PERMIT REQUIREMENT	****	****		****	****	0.1 MAXIMUM	mg/L		01/01	GR GRAB
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	****	****		1.9	****	****	mg/L	0	01/01	GR GRAB
50060 1 0 B EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****		1.0 MINIMUM	****	****	mg/L		01/01	GR GRAB
ENTEROCOCCI: GROUP	SAMPLE MEASUREMENT	****	****		****	1.0	1.0	MPN/100mL	0	05/WK	GR GRAB
61211 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	****	****		****	35 DAILY AV	89 DAILY MX	MPN/100mL		05/WK	GR GRAB
BOD, Carbonaceous (5 DAY, 20 deg. C)	SAMPLE MEASUREMENT	327		lb/d	4	3	11	mg/L	0	01/01	CP COMPOS
80082 1 0 Effluent gross	PERMIT REQUIREMENT	2702 DAILY AV		lb/d	30 MX WK AV	20 DAILY AV	45 DAILY MX	mg/L		01/01	CP COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 property gather and		TEL	EPHONE		DATE	
EARL RICHARDSON	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 beird; true, accurate, and complete L and marker that there are significant		361	826-1800	24	12	09
WWTP MANAGER	penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez Water Utilities Laboratory 13101 Leopard St. Corpus Christi, Texas 78410 Generated 2/10/2025 4:04:20 PM

JOB DESCRIPTION

Pretreatment Project, 01/30/25

JOB NUMBER

560-124040-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





Eurofins Corpus Christi

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

(210)344-9751

Generated 2/10/2025 4:04:20 PM

Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com

Definitions/Glossary

Client: Water Utilities Laboratory Project/Site: Pretreatment Project, 01/30/25

Job ID: 560-124040-1

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

Job ID: 560-124040-1

Eurofins Corpus Christi

Job Narrative 560-124040-1

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

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

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

Receipt

The sample was received on 1/30/2025 12:34 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 18.3°C.

General Chemistry

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

Client: Water Utilities Laboratory Project/Site: Pretreatment Project, 01/30/25

Detection Summary

Job ID: 560-124040-1

Lab Sample ID: 560-124040-1

Client Sample ID: OSO FINAL

				•	
Analyte	Result Qualifier	RL	MDL Unit	Dil Fac D Method	Prep Type
Cyanide, Weak Acid Dissociable	17	10	5.0 ug/L	1 4500-CN E-2016	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

		Client S	Sample F	Result	ts					
Client: Water Utilities Laboratory Project/Site: Pretreatment Project, 01/30/25						·	Job ID: 560-124040-1			
Client Sample ID: OSO FINAL Lab Sample ID: 560-12404 Date Collected: 01/30/25 12:10 Matrix: Wa Date Received: 01/30/25 12:34					040-1 : Water					
General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	5
Cyanide, Weak Acid Dissociable (SM 4500-CN E-2016)	17		10	5.0	ug/L		02/09/25 15:45	02/10/25 15:21	1	6
										8
										9

QC Sample Results

Job ID: 560-124040-1

Method: 4500-CN E-2016 - Cyanide, Weak Acid Dissociable

Lab Sample ID: MB 410-603963/ Matrix: Water Analysis Batch: 604392	/ 2-A MB	МВ						Clie	ent Samp	ole ID: Method Prep Type: To Prep Batch:	l Blank otal/NA 603963
Analyte	Result	Qualifier		RL	MDL U	nit	D	P	repared	Analyzed	Dil Fac
Cyanide, Weak Acid Dissociable	<5.0			10	5.0 uç	J/L		02/0	9/25 15:45	02/10/25 15:16	1
Lab Sample ID: LCS 410-603963 Matrix: Water Analysis Batch: 604392	3/1-A						Clien	t Sar	nple ID:	Lab Control S Prep Type: To Prep Batch:	Sample otal/NA 603963
			Spike	LCS	LCS					%Rec	
Analyte		A	Added	Resul	t Qualifi	er Uni	it	D	%Rec	Limits	
Cyanide, Weak Acid Dissociable			200	183	3	ug/	L		92	80 - 120	

Eurofins Corpus Christi

Accreditation/Certification Summary

Client: Water Utilities Laboratory Project/Site: Pretreatment Project, 01/30/25 Job ID: 560-124040-1

5 6

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Illinois	NELAP	200027	01-31-26
lowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25 *
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-25 *
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-25 *
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight	PALA	507	09-16-29
against Climate Change			
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-26
West Virginia DEP	State	055	07-31-25

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

Eurofins Corpus Christi

Accreditation/Certification Summary

Client: Water Utilities Laboratory Project/Site: Pretreatment Project, 01/30/25 Job ID: 560-124040-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)	
All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.	

Authority	Program	Identification Number	Expiration Date
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client: Water Utilities Laboratory Project/Site: Pretreatment Project, 01/30/25

Method Description

Cyanide, Weak Acid Dissociable

Cyanide, Distillation for Weak Acid Dissociable

SM = "Standard Methods For The Examination Of Water And Wastewater"

Method

4500-CN E-2016

Protocol References:

Laboratory References:

4500 CN I-2016

Laboratory

ELLE

ELLE

Protocol

SM

SM

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Eurofins Corpus Christi
Client: Water Utilities Laboratory

Draiaat/Sita: Dratraatmont Draiaat 01/20/25	
.	

560-124040-1 OSO FINAL Water 01/30/25 12:10 01/30/25 12:34	Lab Sample ID	Client Sample ID	Matrix	Collected	Received
	560-124040-1	OSO FINAL	Water	01/30/25 12:10	01/30/25 12:34

Sample Summary

Job ID: 560-124040-1

Eurofins Corpus Christi				
1/33 N. Fadre Island Unve Corpus Christi, TX 78408 Phone (361) 289-2471 Phone (361) 289-2673	Chain of	Custody Recc		Environment Testing
Client Information	Samplar	Lab PM: Maingot, Li	560-124040 Chain of Custody	COC No. 560-51667-8968.1 124040
Clent Contact Crystal Ybanez	Phone:	E-Mail: Lindy.Main	State of Origin: 304@et.eurofinsus.com	Page: Page 1 of 1
Company: Water Utilities Laboratory	Md		Analysis Requested	Job ¥:
Address: 13101 Leopard St.	Due Date Requested:			Preservation Codes: D HN03
city: Corpus Christi	TAT Requested (days):		jqe 305	HB AscbAcd&NaOH
State, Zip. TX, 78410	Compliance Project: A Yes A No		is(0 bi	
Phone:	PO #: Pretreatment		2 Å ÅE0	
Email: CrystalY@cctexas.com	W0 #:	N 20		
Project Name: OSO Re-sample	Project #: 56009919	6 (A 0	j Cyan	erial
Site PRETREATURENT RAFF	SSOW#:	(dures	00004	Other: Other:
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Sample Identification	Sample Date Time G	-grab) BT-TImue And) E		E Special Instructions/Note:
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		Water		
		Water		
		Water	Loc. 560	
			124040	
Possible Hazard Identification		Sa Sa	mple Disposal (A fee may be assessed if samples are r Return To Client	retained longer than 1 month) Archive For Months
Deliverable Requested: I II, III, IV Other (specify)		р р	scial Instructions/QC Requirements.	
Empty Kit Relinquished by	Date:	Time:	Method of Shipment	
Reinquished by	Date/Time: SOSMUSS/1223	Campany	Received by Mr Alline MA Anta Date Time:	130125 12.34
Relinquished by:	Date/Time:	Compâny	Received by:	Company
Reänquished by.	Date/Time:	Company	Received by: Date/Time:	Сотралу
Custody Seals Intact: Custody Seal No. Δ Yes Δ No			Cooler Temperature(s) ℃ and Other Remarks:	
				Ver 05/06/2024
			7 8 9 10	1 2 3 4 5 6



Eurofins Pittsburgh 301 Alpha Drive RIDC Park

Chain of Custody Record



🔆 eurofins

Environment Testing

Pittsburgh, PA 15238 Phone: 412-963-7058 Fax: 412-963-2468		Jinum	oi ous	louyi		,010													I	Environn	nent Tes
Client Information (Sub Contract Lab)	Sampler: N/A			Lab Ma	PM: ingot,	, Lindy					Ca N/	irrier Tr /A	acking	No(s):			COC 180-	No: •53268•	4.1		
lient Contact:	Phone:			E-M	ail: du Mr	inacto	Det euro	-			Sta	ate of C)rigin:				Page				
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urofins Lancaster Laboratories Environm					NE	LAP - T	Texas										560-	12404	J-1		
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ate, Zip: 4, 17601						anide															
one: 7-656-2300(Tel)	PO #: N/A					5															
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retreatment Project, 01/30/25	56009919				- 8	Yes										onta	Other				
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		Sample	Sample Type (C=comp,	Matrix (www.ater, 8=eolid, 0=wasta/oll,	eld Filtered S	BITOTT MS/M										otal Number					
ample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	BT=Tissue, A=Ali	씨핏	a 43				_	_	_	-			Ē		Spec	ial inst	tructions	/Note:
		12.10	Fleseiva	tion Code.	4	4				_							-				
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ste: Since laboratory accreditations are subject to change, Eurofins Pitt aintain accreditation in the State of Origin listed above for analysis/test tention immediately. If all requested accreditations are current to date,	sburgh places the ownership o s/matrix being analyzed, the sa return the signed Chain of Cu	of method, ana amples must b stody attesting	lyte & accredita e shipped back to said compli-	ation compliant to the Eurofin ance to Eurofin	ce upo is Pitts ns Pitts	n our sul burgh lat sburgh.	bcontract poratory o	laborato r other in	rles. Thinstruction	is sam ns will	ple ship be prov	pment i vided. <i>i</i>	s forwa Any cha	rded un anges to	der cha accrea	ain-of-c ditation	ustody. status	If the la should b	boratory e brough	does not cu t to Eurofin	irrently s Pittsburg
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nconfirmed						\Box_{P}	Return 1	o Clier	nt		Dist	osal	By La	Ь		Arcl	hive F	or		Months	
eliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2			Special	Instruc	tions/C	C Rec	uirer	nents:										
mpty Kit Relinquished by:		Date:			Tim	ne:						Met	hod of s	Shipme	nt:						
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A YES A NO														1.6	0				6	1 7.1	0

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 1 Creator: Ramirez, Frank

Question

Radioactivity wasn't checked or is </= background as measured meter.

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

The cooler or samples do not appear to have been compromise tampered with.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 1 Creator: Ramirez, Frank

Question

Samples were received on ice.

Cooler Temperature is acceptable.

Cooler Temperature is recorded.

COC is present.

COC is filled out in ink and legible.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 1 Creator: Ramirez, Frank

Question

COC is filled out with all pertinent information.

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received an

Samples are received within Holding Time (excluding tests with HTs)

Sample containers have legible labels.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 1 Creator: Ramirez, Frank

Question

Containers are not broken or leaking. Sample collection date/times are provided. Appropriate sample containers are used. Sample bottles are completely filled. Sample Preservation Verified.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 1 Creator: Ramirez, Frank

Question

There is sufficient vol. for all requested analyses, incl. any reque MS/MSDs Containers requiring zero headspace have no headspace or buł (1/4"). Multiphasic samples are not present. Samples do not require splitting or compositing.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 1 Creator: Ramirez, Frank

Question

Residual Chlorine Checked.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 3 Creator: Santiago, Nathaniel

Question

The cooler's custody seal is intact.

The cooler or samples do not appear to have been compromise tampered with.

Samples were received on ice.

Cooler Temperature acceptable, where thermal pres is required (\cdot frozen).

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 3 Creator: Santiago, Nathaniel

Question

Cooler Temperature is recorded.

WV:Container Temp acceptable,where thermal pres is required frozen).WV: Container Temperature is recorded.COC is present.

COC is filled out in ink and legible.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 3 Creator: Santiago, Nathaniel

Question

COC is filled out with all pertinent information.

There are no discrepancies between the containers received an

Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 3 Creator: Santiago, Nathaniel

Question

Appropriate sample containers are used.

Sample bottles are completely filled.

There is sufficient vol. for all requested analyses.

Is the Field Sampler's name present on COC?

Sample custody seals are intact.

Client: Water Utilities Laboratory

Login Number: 124040 List Number: 3 Creator: Santiago, Nathaniel

Question

VOA sample vials do not have headspace >6mm in diameter (n $\mathsf{WV})$?



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez Water Utilities Laboratory 13101 Leopard St. Corpus Christi, Texas 78410 Generated 2/6/2025 2:58:51 PM

JOB DESCRIPTION

OSO Re-sample Copper, 1/31/25

JOB NUMBER

560-124067-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





Eurofins Corpus Christi

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 2/6/2025 2:58:51 PM

Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com (210)344-9751 1

Client: Water Utilities Laboratory Project/Site: OSO Re-sample Copper, 1/31/25

Glossary

Job ID: 560-124067-1

167 1	
507-1	2
	5
	8
	9

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

Job ID: 560-124067-1

Job ID: 560-124067-1

Eurofins Corpus Christi

Job Narrative 560-124067-1

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

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

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

Receipt

The sample was received on 1/31/2025 8:20 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

Metals

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

Detection Summary

Client: Water Utilities Laboratory Project/Site: OSO Re-sample Copper, 1/31/25 Job ID: 560-124067-1

Lab Sample ID: 560-124067-1

Client Sample ID: OSO Final						La	b S	ample ID	560-124067-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.0044		0.0040	0.00069	mg/L	1	_	200.8	Total Recoverable

Client Sample Results

Client: Water Utilities Laboratory Project/Site: OSO Re-sample Copper, 1/31/25 Job ID: 560-124067-1

Matrix: Water

5

Lab Sample ID: 560-124067-1

Client Sample ID: OSO Final Date Collected: 01/31/25 06:00

Date Received: 01/31/25 08:20									
Method: EPA 200.8 - Metals (ICP/M	S) - Total Red	coverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.0044		0.0040	0.00069	mg/L		02/05/25 10:30	02/05/25 19:29	1

Job ID: 560-124067-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-214757/1 Matrix: Water	I-A										Client S Prep	ample ID: Type: Tota	Method	Blank /erable
Analysis Batch: 215102												Prep	Batch: 2	214757
		MB MB												
Analyte	Re	sult Qua	ifier	RL		MDL	Unit		D	Р	repared	Analyz	ed	Dil Fac
Copper	<0.00	0069		0.0040	0.0	00069	mg/L			02/0	5/25 10:30	02/05/25	18:59	1
Lab Sample ID: LCS 860-214757	/2-A								С	lient	Sample	ID: Lab C	ontrol S	ample
Matrix: Water											Prep	Type: Tota	I Recov	/erable
Analysis Batch: 215102												Prep	Batch: 2	214757
			Sp	ike	LCS	LCS						%Rec		
Analyte			Add	ed	Result	Qual	lifier	Unit		D	%Rec	Limits		
Copper			0.1	00	0.0959			mg/L			96	85 - 115		
Lab Sample ID: LCSD 860-21475	7/3-A							С	lient	Sam	ple ID: L	.ab Contro	ol Samp	le Dup
Matrix: Water											Prep	Type: Tota	I Recov	/erable
Analysis Batch: 215102												Prep	Batch: 2	214757
			Sp	ike	LCSD	LCS	D					%Rec		RPD
Analyte			Add	ed	Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Copper			0.1	00	0.0954			mg/L			95	85 - 115	0	20
Lab Sample ID: LLCS 860-21475	7/4-A								С	lient	Sample	ID: Lab C	ontrol S	ample
Matrix: Water											Prep	Type: Tota	I Recov	/erable
Analysis Batch: 215102												Prep	Batch: 2	214757
			Sp	ike	LLCS	LLC	S					%Rec		
Analyte			Add	ed	Result	Qual	lifier	Unit		D	%Rec	Limits		
Copper			0.004	00	0.00434			mg/L			109	50 - 150		
 Lab Sample ID: 560-124067-1 MS	5										Clier	nt Sample	ID: OSC) Final
Matrix: Water											Prep	Type: Tota	I Recov	/erable
Analysis Batch: 215102												Prep	Batch: 2	214757
	Sample	Sample	Sp	ike	MS	MS						%Rec		
Analyte	Result	Qualifier	Add	ed	Result	Qua	lifier	Unit		D	%Rec	Limits		
Copper	0.0044		0.1	00	0.101			mg/L			96	70 - 130		
 Lab Sample ID: 560-124067-1 MS	SD										Clier	nt Sample	ID: OS) Final
Matrix: Water											Prep	Type: Tota	I Recov	/erable
Analysis Batch: 215102												Prep	Batch: 2	214757
	Sample	Sample	Sp	ike	MSD	MSD)					%Rec		RPD
Analyte	Result	Qualifier	Add	ed	Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Copper	0.0044		0.1	00	0.102			mg/L			98	70 - 130	1	20

Accreditation/Certification Summary

Client: Water Utilities Laboratory Project/Site: OSO Re-sample Copper, 1/31/25

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Client: Water Utilities Laboratory Project/Site: OSO Re-sample Copper, 1/31/25

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Client: Water Utilities Laboratory Project/Site: OSO Re-sample Copper, 1/31/25

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-124067-1	OSO Final	Water	01/31/25 06:00	01/31/25 08:20

Eurofins Corpus Christi								~	
1/33 N. Padre Island Drive Corpus Christi, TX 78408 Phone (361) 289-2471 Phone (361) 289-2673	Chain of C	ustody Reco	2 2					Environment Testing	
Client Information	Sampler	Lab PM: Maingot, Lin	ay 560-1	24067 Chair	of Custody		COC No: 560-51667-8968	-	
Client Contact Crystal Ybanez	Phone:	E-Mail: Lindy.Maing	iot@et.eurofins	us.com	State of Origin:		Page: Page 1 of 1		
Company: Water Utilities Laboratory	DISW4			Analysis	tequested		154t	X07	
Address: 11 13101 Leopard St.	Due Date Requested:						Preservation Cod	es:	
City: Carpus Christi	TAT Requested (days):		delsee						
State, Zip: TX, 78410	Compliance Project: ∆ Yes ∆ No		*\ G P I						
Phone:	Po#; Pretreatment	<u>()</u>	-4=						
Emai: CrystalY@cctexas.com	WO #:	<u>19</u>	hder Sper						
Project Name: 0SO Re-sample COANEA	Project #: 56009919	e)(ke	100) Ist 1 240-1				ectat		
PRETREATMENT	SSOW#:	dues	oT 8.00 0	·		12-, h., 2007/2007	Dother: 200.5	וכוטעלט	
		ole Matrix ad e (w-matri, 11) s-matrix, 11)	CHT) + 439				Jadmuk (•	
Sample Identification	Sample Date Time G=gr	шр. О-малькой. 🚽 ab) at-Thaus. к-ли) [E andahon (Corida: Y	8.005 5	and the second second			Special In	structions/Nate:	
				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					
050 FINAL	JUDAU SENARCIE	Addet	×				3-五		
		Water							
		Water							
		Water							
		Water							
					Loc: 560				
					1240	<u>6</u>			
					-				
					<u> </u>				
Possible Hazard Identification	a B C (Inknown C Radiato	cical San	Provide Disposal	(A fee may l	e assessed if sar	nples are reta	ined longer than 1 rchive For	month) Months	
Deliverable Requested: I II, IV Other (specify)		Spe	cial Instruction	s/QC Require	nents:				
Empty Kit Relinquished by	Date:	Time:			S Method of S	shipment			
Relinquished by:	Date/Time: Ritth/JC/0820	Company Company	Received by:		J	Date/Tight	5 YLO	Contractor	
Relinquished by:	Date/Time:	Company	Received by:	ľ		Date/Time:		Company	
Relinquished by:	Date/Time:	Company	Received by:		•	Date/Time:		Company	
Custody Seals Intact: Custody Seal No. Δ Yes Δ No			Cooler Temperatu	re(s) °C and Oth	-Remarks:) ((0	K CP4	2-14		
					9 1 1	8	6	Ver 05/06/2024	
					0				

Client: Water Utilities Laboratory

Login Number: 124067

List Number: 1 Creator: Stacy, Taylor

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

List Source: Eurofins Corpus Christi

Client: Water Utilities Laboratory

Login Number: 124067 List Number: 2 Creator: Grandits, Corey

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Job Number: 560-124067-1

List Source: Eurofins Houston

List Creation: 02/03/25 02:57 PM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez Water Utilities Laboratory 13101 Leopard St. Corpus Christi, Texas 78410 Generated 2/10/2025 12:50:08 PM

JOB DESCRIPTION

OSO Re-Sample, 2/5/25

JOB NUMBER

560-124168-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





Eurofins Corpus Christi

Job Notes

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Authorization

Generated 2/10/2025 12:50:08 PM

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Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com (210)344-9751

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Glossary Abbreviation

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Eurofins Corpus Christi

¢	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Job ID: 560-124168-1

Eurofins Corpus Christi

Job Narrative 560-124168-1

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

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

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

Receipt

The sample was received on 2/5/2025 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Metals

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

Detection Summary

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Client Sample ID: OSO Final

Job ID: 560-124168-1

Lab Sample ID: 560-124168-1

_								
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Copper	4.2		4.0	0.69	ug/L	1	200.8	Total
								Recoverable

Client Sample Results

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

		Client S	Sample R	esults	;					
Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25								Job ID: 560-1	24168-1	2
Client Sample ID: OSO Final Date Collected: 02/05/25 06:00 Date Received: 02/05/25 08:00							Lab Samp	le ID: 560-12 Matrix	4168-1 x: Water	
Method: EPA 200.8 - Metals (ICP/MS) Analyte	- Total Re Result	coverable Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	4 5
Copper	4.2		4.0	0.69	ug/L		02/07/25 10:30	02/07/25 18:17	1	6
										7
										8
										9

Method: 200.8 - Metals (ICP/MS)

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Lab Sample ID: MB 860-215334/1-A Matrix: Water Analysis Batch: 215494											Client Sa Prep 1	ample ID: I Type: Tota Prep E	Method Recov Batch: 2	Blank erable 15334
Analyte	MB	MB Qualifier		RI		мпі	Unit		п	P	renared	Analyz	he	Dil Fac
Copper	<0.69			4.0		0.69	ug/L		<u> </u>	02/0	7/25 10:30	02/07/25	6:53	1
									Cli	ient	Sample	ID: Lab Co	ontrol S	ample
Matrix: Water											Prep 1	Type: Tota	Recov	erable
Analysis Batch: 215494												Prep E	Batch: 2	15334
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Copper			100		99.4			ug/L			99	85 - 115		
 Lab Sample ID: LCSD 860-215334/3-A								C	lient S	Sam	ple ID: L	ab Contro	Sampl	e Dup
Matrix: Water											Prep 1	Type: Tota	Recov	erable
Analysis Batch: 215494												Prep E	Batch: 2	15334
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Copper			100		98.6			ug/L			99	85 - 115	1	20
 Lab Sample ID: LLCS 860-215334/4-A									Cli	ient	Sample	ID: Lab Co	ntrol S	ample
Matrix: Water											Prep 1	Type: Tota	Recov	erable
Analysis Batch: 215494												Prep E	atch: 2	15334
			Spike		LLCS	LLC	S					%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Coppor			4.00		1.00					_	407	F0 4F0		

Accreditation/Certification Summary

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26
Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Eurofins Corpus Christi

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-124168-1	OSO Final	Water	02/05/25 06:00	02/05/25 08:00

Eurofins Corpus Christi				******	
1733 N. Padre Island Drive Corpus Christi, TX 78408	Chain of Cu	istody Re	cord	setting	
Phone (361) 289-2471 Phone (361) 289-2673					
Client Information	Sampler	Lab PM: Maingo	ot, Lindy	Carrier Tr	
Client Contact: Crostal Yhanez	Phone:	E-Mail: Lindv.A	Aainaot@et.eurofinsus.com	State of C 560-124168 Chain of Custody	
Company: Water Utilities Laboratory	PWSID:	-	Analysis Red	Tuested [1241(08	
Address: 13101 Leopard St.	Due Date Requested:			Preservation Codes: D HN03	
city: Corpus Christi	TAT Requested (days):		QE(306	HB ASOBAGGENACH	
State, Zp: TX, 78410	Compliance Project: Δ Yes Δ No		*IQ.PI		
Phone:	Po#: Pretreatment		SA YEa		
Emait CrystalY@cctexas.com	,# OW		teqd Mider W		
Froject Name: OSO Re-sample $COPDe/$	Project #: 56009919	I I I I I I I I I I I I I I I I I I I	100 E1	aunati	
sue. Dro stro stmeart	SSOW#:		00.6 To 00.5 U	a Other to Coape 20/	
	Sampi Type Sample (C=com	e Matrix (weater: s-route:	2 (MOD) 8.	- Jaqunn (r	
Sample Identification	Sample Date Time G=gra	o) er-Tasus, Andre) E		B Special Instructions/Note:	
D.(D L'AD	5 60 00 Straits	Water		a2 - Ha V	
		Water			
				Loc 560	
				124168	
Possible Hazard Identification	son B Unknown Radiolog	ical	Sample Lisposal (A ree may be a Return To Client	issessed if samples are retained longer than 1 monut) Disposal By Lab — Archive For Months	
Deliverable Requested: I, II, IV, Other (specify)			Special Instructions/QC Requiremer	nts:	
Empty Kit Relinquished by	Date:		me:	Method of Shipment	
Benguished by De 1 analas Ular O	Stelez OSO	Cotto of Co p	Received by: A	E-1-1 Date Time 5/5/25 0B00 COMPANY	
Refinquíshed by:	Date/Time:	Company	Redelvertoy.	Company Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	
Custody Seals Intact: Custody Seal No. Δ Yes Δ No			Cooler Temperature(s) °C and Other Re	mathes 4,70/4,8°C 12.14	i
				Ver 05/06/2024	
			11	2 3 4 5 6 7 8 9 10	

Client: Water Utilities Laboratory

Login Number: 124168

List Number: 1 Creator: Stacy, Taylor

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

List Source: Eurofins Corpus Christi

Client: Water Utilities Laboratory

Login Number: 124168 List Number: 2 Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

List Source: Eurofins Houston

List Creation: 02/06/25 10:36 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez Water Utilities Laboratory 13101 Leopard St. Corpus Christi, Texas 78410 Generated 2/10/2025 12:50:08 PM

JOB DESCRIPTION

OSO Re-Sample, 2/5/25

JOB NUMBER

560-124168-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





Eurofins Corpus Christi

Job Notes

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Authorization

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Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com (210)344-9751

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Glossary Abbreviation

2
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Eurofins Corpus Christi

¢.	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Job ID: 560-124168-1

Eurofins Corpus Christi

Job Narrative 560-124168-1

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

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

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

Receipt

The sample was received on 2/5/2025 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Metals

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

Detection Summary

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Client Sample ID: OSO Final

Job ID: 560-124168-1

Lab Sample ID: 560-124168-1

_								
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Copper	4.2		4.0	0.69	ug/L	1	200.8	Total
								Recoverable

Client Sample Results

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

		Client S	Sample R	esults	;					
Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25								Job ID: 560-1	24168-1	2
Client Sample ID: OSO Final Date Collected: 02/05/25 06:00 Date Received: 02/05/25 08:00							Lab Samp	le ID: 560-12 Matrix	4168-1 x: Water	
Method: EPA 200.8 - Metals (ICP/MS) Analyte	- Total Re Result	coverable Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	4 5
Copper	4.2		4.0	0.69	ug/L		02/07/25 10:30	02/07/25 18:17	1	6
										7
										8
										9

Method: 200.8 - Metals (ICP/MS)

5
6
8

Lab Sample ID: MB 860-215334/1-A Matrix: Water Analysis Batch: 215494											Client Sa Prep 1	ample ID: I Type: Tota Prep B	Method Recov Batch: 2	Blank erable 15334
Analyte	MB	MB Qualifier		RI		мпі	Unit		п	P	renared	Δnalvz	he	Dil Fac
Copper	<0.69			4.0		0.69	ug/L			02/0	7/25 10:30	02/07/25	16:53	1
									Cli	ient	Sample	ID: Lab Co	ontrol S	ample
Matrix: Water											Prep 1	Гуре: Tota	Recov	erable
Analysis Batch: 215494												Prep E	Batch: 2	15334
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qua	ifier	Unit		D	%Rec	Limits		
Copper			100		99.4			ug/L			99	85 - 115		
 Lab Sample ID: LCSD 860-215334/3-A								C	lient S	Sam	ple ID: L	ab Contro	I Sampl	le Dup
Matrix: Water											Prep 1	Гуре: Tota	Recov	erable
Analysis Batch: 215494												Prep E	Batch: 2	15334
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Copper			100		98.6			ug/L			99	85 - 115	1	20
 Lab Sample ID: LLCS 860-215334/4-A									Cli	ient	Sample	ID: Lab Co	ontrol S	ample
Matrix: Water											Prep 1	Гуре: Tota	Recov	erable
Analysis Batch: 215494												Prep E	Batch: 2	15334
			Spike		LLCS	LLC	5					%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Cappor			4.00							_				

Accreditation/Certification Summary

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Eurofins Corpus Christi

Client: Water Utilities Laboratory Project/Site: OSO Re-Sample, 2/5/25

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Eurofins Corpus Christi

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-124168-1	OSO Final	Water	02/05/25 06:00	02/05/25 08:00

Eurofins Corpus Christi				******	
1733 N. Padre Island Drive Corpus Christi, TX 78408	Chain of Cu	istody Re	cord	setting	
Phone (361) 289-2471 Phone (361) 289-2673					
Client Information	Sampler	Lab PM: Maingo	ot, Lindy	Carrier Tr	
Client Contact: Crostal Yhanez	Phone:	E-Mail: Lindv.A	Aainaot@et.eurofinsus.com	State of C 560-124168 Chain of Custody	
Company: Water Utilities Laboratory	PWSID:	-	Analysis Red	Tuested [1241(08	
Address: 13101 Leopard St.	Due Date Requested:			Preservation Codes: D HN03	
city: Corpus Christi	TAT Requested (days):		QE(306	HB ASOBAGGENACH	
State, Zp: TX, 78410	Compliance Project: Δ Yes Δ No		*IQ.PI		
Phone:	Po#: Pretreatment		SA YEa		
Emait CrystalY@cctexas.com	,# OW		teqd Mider W		
Froject Name: OSO Re-sample $COPDe/$	Project #: 56009919	I I I I I I I I I I I I I I I I I I I	100 E1	aunati	
sue. Dro stro stmeart	SSOW#:		00.6 To 00.5 U	a Other to Coape 20/	
	Sampi Type Sample (C=com	e Matrix (weater: s-route:	2 (MOD) 8.	- Jaqunn (r	
Sample Identification	Sample Date Time G=gra	o) er-Tasus, Andre) E		B Special Instructions/Note:	
D.(D L'AD	5 60 00 Straits	Water		a2 - Ha V	
		Water			
				Loc 560	
				124168	
Possible Hazard Identification	son B Unknown Radiolog	ical	Sample Lisposal (A ree may be a Return To Client	issessed if samples are retained longer than 1 monut) Disposal By Lab — Archive For Months	
Deliverable Requested: I, II, IV, Other (specify)			Special Instructions/QC Requiremer	nts:	
Empty Kit Relinquished by	Date:		me:	Method of Shipment	
Benguished by De 1 analas Ular O	Stelez OSO	Cotto of Co p	Received by: A	E-1-1 Date Time 5/5/25 0B00 COMPANY	
Refinquíshed by:	Date/Time:	Company	Redelvertoy.	Company Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	
Custody Seals Intact: Custody Seal No. Δ Yes Δ No			Cooler Temperature(s) °C and Other Re	mathes 4,70/4,8°C 12.14	i
				Ver 05/06/2024	
			11	2 3 4 5 6 7 8 9 10	

Client: Water Utilities Laboratory

Login Number: 124168

List Number: 1 Creator: Stacy, Taylor

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

List Source: Eurofins Corpus Christi

Client: Water Utilities Laboratory

Login Number: 124168 List Number: 2 Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

List Source: Eurofins Houston

List Creation: 02/06/25 10:36 AM



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Crystal Ybanez Water Utilities Laboratory 13101 Leopard St. Corpus Christi, Texas 78410 Generated 2/11/2025 7:09:06 PM

JOB DESCRIPTION

OSO Resample Copper, 2/6/25

JOB NUMBER

560-124209-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





Eurofins Corpus Christi

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

(210)344-9751

Generated 2/11/2025 7:09:06 PM

1

5 6 7

Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com

Client: Water Utilities Laboratory Project/Site: OSO Resample Copper, 2/6/25

2

Qualifiers

Metais	Μ	e	ta	ls
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Qualifier

Bail Qualities Ban BeR Lob greater than or equal to the MDL and the concentration is an approximate value. Image: Concentration (Concentration San approximate value) Image: Concentration (Concentration (Concentration San approximate) Image: Concentration (Concentration (Concentration San approximate) Image: Concentration (Concentration (Concentration San approximate) Image: Concentration San approximate value) Image: Concentration (Concentration (Concentration San approximate) Image: Concentration San approximate)	Qualifiers		
QualitiesQualities beschiption4JResult is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.5ClossaryClossary6AbbreviationTese commonly used abbreviations may or may not be present in this report.6QCluid under the D* Orium to designate that the result is reported on a dy weight basis6VRPercent Recovery7CFLContains Free Liquid7CFUContains Free Liquid8DFRDubtion Facion9DLContains No Free Liquid9DLContains No Free Liquid9DLDubtion Facion9DLDetection Limit (DODDOE)9DLDetection Limit (DODDOE)10DLDetection Limit (DODODE)10DLEdiverse Detection Limit (DODON)10DDDetection Limit (DODODE)10DLEdiverse Detection Limit (DODODE)10DLEdiverse Detection Limit (DODODE)10DLEdiverse Detection Limit (DODODE)10DDUmint of Detection (DoDDODE)10DDEdiverse Detection Limit (DODON)10DDEdiverse Detection Limit (DODON)10DDEdiverse Detection Limit (DODON)10DDMaintain Detectiab Activity (Radiochemistry)10MDLMaintain Detectiab Cable (Radiochemistry)10MDLMaintain Detectiab Activity (Radiochemistry)10NDLMaintain Line (E	Metals		
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Abbroviation These commonly used abbreviations may or may not be present in this report. 6 R Used under the "D" column to designate that the result is reported on a dry weight basis 7 VR Percent Recovery 7 CFL Contains Free Liquid 7 CFL Contains Free Liquid 8 DER Dubtate Error Ratio (normalized absolute difference) 9 DI ac Dibution Factor 9 DL Detection Limit (DoD/DCE) 9 DL, C Desistion Level Concentration (Radiochemistry) 10 DLO Decision Level Concentration (Radiochemistry) 10 DQ Limit of Detection Limit (DoD/DCE) 11 NDA Minimum Detectable Concentration (Radiochemistry) 11 <td>Glossary</td> <td></td> <td>5</td>	Glossary		5
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%RPeccent Recovery??CFLContains Free Liquid?CFUColoratins No Free Liquid?ONEContains No Free Liquid?DFRDiluton Factor?DI FactoDilution Factor?DLRection Limit (Do/DOE)?DLRection Limit (Do/DOE)?DLBeating Deletion Limit (Doixin)?DLBeating Deletion Control (Radiochemistry)?DLMinum Deletable Activity (Radiochemistry)?	 	Listed under the "D" column to designate that the result is reported on a dry weight basis	
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DLDetection Limit (DoD/DOE)Dr, RA, RE, INIndicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sampleInitial DilutionDLCDecision Level Concentration (Radiochemistry)Initial Decision Level Concentration (Radiochemistry)LDMExtracted Detection Limit (Dioxin)Initial Detection (DoD/DOE)LOQLimit of Detection (DoD/DOE)Initial Detection (DoD/DOE)LOQExtracted Detection Limit (Dioxin)Initial Detection (Radiochemistry)MDLExtracted Detection Limit (Radiochemistry)MDLMinium Detectable Concentration (Radiochemistry)MDLMinium Detectable Concentration (Radiochemistry)MDLMehod Detection LimitMDLMehod Detection LimitMDLMehod Detection LimitMDLMehod Detection LimitMDLMehod Detection LimitMDLMehod Detection LimitMDLMehod Detection Limit (or MDL or EDL if shown)NCNotaletad the reporting limit (or MDL or EDL if shown)NCNotaletad Limit (Diate Concentration Concentr	Dil Fac	Dilution Factor	9
DL RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample Image: Concentration (Radiochemistry) DLC Decision Level Concentration (Radiochemistry) Image: Concentration (Radiochemistry) EDL Estimated Detection Limit (Doxin) Image: Concentration (Radiochemistry) LOQ Limit of Detection (DoD/DOE) Image: Concentration (Radiochemistry) MDA Byinnum Detectable Activity (Radiochemistry) MDL Minimum Detectable Concentration (Radiochemistry) MDL Minimum Level (Doxin) MDL Minimum Level (Doxin) MDL Minimum Level (Doxin) MDL Minimum Level (Doxin) MDL Most Probable Number MQL Most Probable Number NC Not Calculated NDL Not Detected at the reporting limit (or MDL or EDL if shown) NC Not Detected at the reporting limit (or MDL or EDL if shown) NC Not Detected at the reporting limit (or MDL or EDL if shown) NC Negative / Present PQL Presumptive PQL Presumptive QC Quality Contol REX Reporting Limit or Re	DL	Detection Limit (DoD/DOE)	
DLC Decision Level Concentration (Radiochemistry) Definition EDL Estimated Detection Limit (Dioxin) Definition LOD Limit of Detection (DoD/DOE) Definition Definion Definition <td< td=""><td>DL, RA, RE, IN</td><td>Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample</td><td></td></td<>	DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
EDL Estimated Detection Limit (Dioxin) Imit of Detection (DoD/DOE) LOQ Limit of Detection (DoD/DOE) LOQ Emint of Quantitation (DoD/DOE) MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Method Detection Limit MDL Method Detection Limit ML Method Detection Limit ML Method Detection Limit MQL Method Detection Limit NDA Method Detection Limit NDA Method Detection Limit NDA Method Detection Limit NDA Method Quantitation Limit NDA Method Quantitation Limit NDA Not Detected at the reporting limit (or MDL or EDL if shown) NDA Not Detected at the reporting limit (or MDL or EDL if shown) NDA Not Detected at the reporting limit (or MDL or EDL if shown) NDA Postive / Present POS Postive / Present PQL Presumptive QC Quality Control RER Relative Error Ratio (Radiochemistry) RER Relative Error Ratio (Radiochemistry) REP Relative Procent Difference, a measure of the relative difference between two points TEF Toxicity Equivalent	DLC	Decision Level Concentration (Radiochemistry)	
LODLimit of Detection (DoD/DOE)LOQLimit of Quantitation (DoD/DOE)MCLEPA recommende "Maximum Contaminant Level"MDAMinimum Detectable Activity (Radiochemistry)MDCMinimum Detectable Concentration (Radiochemistry)MDLMethod Detection LimitMLMethod Detection LimitMLMost Probable NumberMQLMot Overteion LimitMQLMethod Quantitation LimitNDLMethod Quantitation LimitNDLMot CalculatedNQLNot CalculatedNDLNot CalculatedNDLNot CalculatedNDLPositive / PresentPQLPractical Quantitation LimitPRESPesumptiveQCQuality ControlRERRelative Error Ratio (Radiochemistry)RERRelative Error Ratio (Radiochemistry)RPIRelative Error Ratio (Radiochemistry)RPIRelative Procent Difference, a measure of the relative difference between two pointsTEFToxicity Equivalent Factor (Dixin)TMCKotive Factor (Dixin)	EDL	Estimated Detection Limit (Dioxin)	
LQqInit of Quantitation (DoD/DOE)MCLEPA recommende "Maximun Contaminant Level"MDAMinimun Detectable Activity (Radiochemistry)MDCMinimun Detectable Activity (Radiochemistry)MDLMinimun Detectable Concentration (Radiochemistry)MDLMinimun Detectable Concentration (Radiochemistry)MLMinimun Level (Doxin)MLMothod Detection LimitMDLMothod Quantitation LimitMQLNot Probable NumberNDLNot Detection Limit (or MDL or EDL if shown)NDLNot Detection Limit (or MDL or EDL if shown	LOD	Limit of Detection (DoD/DOE)	
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TNTC Too Numerous To Count	TEQ	Toxicity Equivalent Quotient (Dioxin)	
	TNTC	Too Numerous To Count	

Job ID: 560-124209-1

Eurofins Corpus Christi

Job Narrative 560-124209-1

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

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

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

Receipt

The sample was received on 2/6/2025 8:08 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

Metals

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

Detection Summary

Client: Water Utilities Laboratory Project/Site: OSO Resample Copper, 2/6/25

Client Sample ID: OSO Final

Job ID: 560-124209-1

Lab Sample ID: 560-124209-1

-								
Analyte	Result Qu	ualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	2.8 J	4.0	0.69	ug/L	1	_	200.8	Total
_								Recoverable

Client Sample Results

Client: Water Utilities Laboratory Project/Site: OSO Resample Copper, 2/6/25 Job ID: 560-124209-1

Matrix: Water

Lab Sample ID: 560-124209-1

Client Sample ID: OSO Final Date Collected: 02/06/25 06:00 Date Received: 02/06/25 08:08

Method: EPA 200.8 - Metals (ICP/M	IS) - Total Re	coverable								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	5
Copper	2.8	J	4.0	0.69	ug/L		02/11/25 10:30	02/11/25 17:14	1	

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 860-215246/1-D Matrix: Water Analysis Batch: 216084											Client Sa Prep 1	ample ID: N Type: Total Pren B	lethod Recov atch: 2	Blank erable
······, ···· ······	МВ	МВ												
Analyte	Result	Qualifier		RL		MDL	Unit		D	P	repared	Analyze	d	Dil Fac
Copper	<0.69			4.0		0.69	ug/L		_	02/1	1/25 10:30	02/11/25 17	7:01	1
Lab Sample ID: MB 860-215865/1-D											Client Sa	ample ID: N	lethod	Blank
Matrix: Water											Prep 1	Type: Total	Recov	erable
Analysis Batch: 216084												Prep B	atch: 2	15940
	MB	MB												
Analyte	Result	Qualifier		RL		MDL	Unit		D	P	repared	Analyze	d	Dil Fac
Copper	<0.69			4.0		0.69	ug/L			02/1	1/25 10:30	02/11/25 16	6:37	1
Lab Sample ID: LCS 860-215865/2-D									С	lient	Sample	ID: Lab Co	ntrol S	ample
Matrix: Water											Prep 1	Type: Total	Recov	erable
Analysis Batch: 216084												Prep B	atch: 2	15940
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Copper			100		94.7			ug/L			95	85 - 115		
Lab Sample ID: LCSD 860-215865/3-D								CI	ient	Sam	ple ID: L	ab Control	Sampl	e Dup
Matrix: Water											Prep 1	Type: Total	Recov	erable
Analysis Batch: 216084												Prep B	atch: 2	15940
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Copper			100		93.5			ug/L			93	85 - 115	1	20
Lab Sample ID: LLCS 860-215940/4-A									С	lient	Sample	ID: Lab Co	ntrol S	ample
Matrix: Water											Prep 1	Type: Total	Recov	erable
Analysis Batch: 216084												Prep B	atch: 2	15940
			Spike		LLCS	LLC	S					%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Copper			4.00		4.19			ug/L			105	50 - 150		

Accreditation/Certification Summary

Client: Water Utilities Laboratory Project/Site: OSO Resample Copper, 2/6/25

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Eurofins Corpus Christi

Client: Water Utilities Laboratory Project/Site: OSO Resample Copper, 2/6/25

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-124209-1	OSO Final	Water	02/06/25 06:00	02/06/25 08:08

Eurofins Corpus Christi					
1733 N. Padre Island Drive Corpus Christi, TX 78408	Chain of	Custody Rec	ord		Testing
Phone (361) 289-2471 Phone (361) 289-2673	Carry I ar	ti sh Đư		Carlie Lanie	
Client Information	Sampter	Maingot,	Lindy		
Client Contact Crystal Ybanez	Phone:	E-Malt: Lindy Ma	ngot@et.eurofinsus.com	State c 560-124209 Chain o	of Custody
Company: Water Utilities Laboratory	SMd	XD:	Analysis Re	equested	
Address: 13101 Leopard St	Due Date Requested:				Preservation Codes.
city. Corpus Christi	TAT Requested (days):			or for a second s	HB AscbAcd&NaOH
State, ZIp. TX, 78410	Compliance Project: A Yes A No		121(1 -12)		
Phone:	PO#: Pretreatment		24-X80		
Email CrystalY@cctexas.com	₩0 ¥	201 201	bet		
Project Name: OSO Re-sample クッカクグ	Project #: 56009919		la Cop		12. 0 0 0 0
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Sample Identification	Sample Date Time G=	grab) <u>sr-thans, Add</u> reservation Code: X	11 1000		Special Instructions/Note:
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Possible Hazard Identification	ion B UnknownRadi	ological	iample Disposal (A fee may be	assessed if samples are retain Disposal By Lab	ined longer than 1 month) chive For Months
Deliverable Requested: I, II, IV. Other (specify)		07	ipecial Instructions/OC Requirem	ents:	
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Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Сотралу	Received by:	Date/Time:	Company
Custody Seals Intact: Custody Seal No.		_	Cooler Temperature(s) °C and Other	Remarks: 2.8/2.9	of TR-14
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telinguished by:	telinquished by:	relinquished by:	Empty Kit Relinquished by	Deliverable Requested: I, II, III,	^o ossible Hazard Identification Inconfirmed	lote: Since laboratory accreditations ar aboratory does not currently maintain a iccreditation status should be brought b)SO Final (560-124209-1)		ample Identification Client		iite: ∜A	Vioject Name: USO Resample Copper 2/6/25	imaii: VA	'hone: '81-240-4200(Tel)	'hate, Zip: "X, 77477	stafford	.ddress: .145 Greenbriar Dr	ompany: turofins Environment Testing Si	Stient Contact Shipping/Receiving	lient Information (Sub	Corpus Christi, TX 78408 hone: 361-289-2471 Fax: 361	Eurofins Corpus Chri 733 N. Padre Island Drive
		FL		IV Other (specify)	2	e subject to change, Eurofins Environm ccreditation in the State of Origin listed o Eurofins Environment Testing South (ID (Lab ID)									outh Centr		Contract Lab)	-289-2673	sti
Date/Time:	Date/Time:			Primary Deliven		ent Testing South Centr above for analysis/tests central, LLC attention in						2/6/25	X	Sample Date		SSOW#: N/A	Project #: 56009919	N/A	N/A *		TAT Requested (da	Due Date Requeste 2/17/2025		Phone: N/A	Sampier N/A		-
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Custody Seals Intact: Custody Seal No. ∆ Yes ∆ No

Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

Eurofins Corpus Christi		- 	)	) 7 3							te aurofine i	-
Corpus Christi, TX 78408	C	nain c		lody K	ecord							Environment Testing
Phone: 361-289-2471 Fax: 361-289-2673												
Client Information (Sub Contract Lab)	Sampier N/A			Lab Pi Main	<i>l</i> ⊧ got, Lindy			Carrier T N/A	racking No(s		COC No: 560-31171.2	
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Phone: 281-240-4200(Tel)	PO# N/A				o) emi-Vo							
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Note: Since laboratory accreditations are subject to change. Eurofins Environmen laboratory does not currently maintain accreditation in the State of Origin listed at accreditation status should be brought to Eurofins Environment Testing South Ce	t Testing South Centra ove for analysis/tests/ ntral, LLC attention im	al, LLC places t matrix being an mediately. If a	he ownership lalyzed, the sa Il requested ac	of method, anal mples must be creditations are	/te & accreditati shipped back to current to date,	on compliance the Eurofins Ei return the sign	upon our subc nvironment Te ed Chain of C	contract labor sting South C ustody attestic	atories. This entral, LLC is 19 to said co	sample ship aboratory or npilance to f	iment is forwarded under ch other instructions will be pro Eurofins Environment Testin	iain-of-custody. If the wided. Any changes to ig South Central, LLC.
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Deliverable Requested: I, II, III IV Other (specify)	Primary Delivera	ible Rank: 2			Special In	structions/C	C Requirer	ments:				
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Ver 10/10/2024

 Client: Water Utilities Laboratory

### Login Number: 124209

List Number: 1 Creator: Stacy, Taylor

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

List Source: Eurofins Corpus Christi

Client: Water Utilities Laboratory

#### Login Number: 124209 List Number: 2 Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Job Number: 560-124209-1

List Source: Eurofins Houston

List Creation: 02/07/25 10:23 AM



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Crystal Ybanez Water Utilities Laboratory 13101 Leopard St. Corpus Christi, Texas 78410 Generated 2/10/2025 12:49:36 PM

# **JOB DESCRIPTION**

Oso Resample Copper, 2/4/25

# **JOB NUMBER**

560-124116-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





# **Eurofins Corpus Christi**

### Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization

Generated 2/10/2025 12:49:36 PM

5

Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com (210)344-9751 These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

### Client: Water Utilities Laboratory Project/Site: Oso Resample Copper, 2/4/25

Percent Recovery

**Contains Free Liquid** 

Colony Forming Unit

**Dilution Factor** 

Contains No Free Liquid

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive Quality Control

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

Glossary Abbreviation

₽

%R

CFL

CFU

CNF

DER

DLC

EDL

LOD

LOQ MCL

MDA

MDC

MDL

MQL

NC

ND

NEG

POS

PQL

QC RER

RL

RPD

TEF TEQ

TNTC

PRES

ML MPN

Dil Fac DL

DL, RA, RE, IN

2
5
8
9

Eurofins Corpus Christi
#### Job ID: 560-124116-1

#### **Eurofins Corpus Christi**

## Job Narrative 560-124116-1

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

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

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

#### Receipt

The sample was received on 2/4/2025 8:12 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C.

#### Metals

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

## **Detection Summary**

Client: Water Utilities Laboratory Project/Site: Oso Resample Copper, 2/4/25 Job ID: 560-124116-1

# Client Sample ID: Oso Final Lab Sample ID: 560-124116-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type	i
Copper	4.1		4.0	0.69	ug/L		1		200.8	Total	
_										Recoverable	÷,

### **Client Sample Results**

Client: Water Utilities Laboratory Project/Site: Oso Resample Copper, 2/4/25

5

#### **Client Sample ID: Oso Final** Lab Sample ID: 560-124116-1 Date Collected: 02/04/25 06:00 Matrix: Water Date Received: 02/04/25 08:12 Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 4.0 0.69 ug/L 02/07/25 10:30 02/07/25 18:27 Copper 4.1 1

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

_ Lab Sample ID: MB 860-215334/1-A											Client S	ample ID:	Method	Blank
Matrix: Water											Prep	Type: Tota	I Recov	verable
Analysis Batch: 215494												Prep	Batch:	215334
	МВ	МВ												
Analyte	Result	Qualifier		RL		MDL	Unit		D	Ρ	repared	Analy	zed	Dil Fac
Copper	<0.69			4.0		0.69	ug/L			)2/0	7/25 10:30	02/07/25	16:53	1
Lab Sample ID: LCS 860-215334/2-A									Clie	ent	Sample	ID: Lab C	ontrol S	ample
Matrix: Water											Prep	Type: Tota		verable
Analysis Batch: 215494												Prep	Batch:	215334
-			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Copper			100		99.4			ug/L		_	99	85 _ 115		
Lab Sample ID: LCSD 860-215334/3-A								с	lient S	am	nple ID: L	_ab Contro	ol Samp	le Dup
Matrix: Water											Prep	Type: Tota	I Recov	verable
Analysis Batch: 215494												Prep	Batch:	215334
			Spike		LCSD	LCS	D					%Rec		RPD
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Copper			100		98.6			ug/L		_	99	85 - 115	1	20
Lab Sample ID: LLCS 860-215334/4-A									Clie	ent	Sample	ID: Lab C	ontrol S	ample
Matrix: Water											Prep	Type: Tota		verable
Analysis Batch: 215494												Prep	Batch:	215334
-			Spike		LLCS	LLC	S					%Rec		
Analyte			Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Copper			4.00		4.29			ug/L		_	107	50 - 150		

Job ID: 560-124116-1

## Accreditation/Certification Summary

Client: Water Utilities Laboratory Project/Site: Oso Resample Copper, 2/4/25

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority Program		Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Eurofins Corpus Christi

#### Client: Water Utilities Laboratory Project/Site: Oso Resample Copper, 2/4/25

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET HOU
200.8	Preparation, Total Recoverable Metals	EPA	EET HOU

#### Protocol References:

EPA = US Environmental Protection Agency

#### Laboratory References:

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

Eurofins Corpus Christi

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-124116-1	Oso Final	Water	02/04/25 06:00	02/04/25 08:12

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi, TX 78408	Chain of Cu	stody Record			Ĩnĉ
Luoue ( oc ) / 208-241 1 Luoie ( oc ) / 208-201 2	Sampler	Lab PM:	Carrier Tract		
Client Information		Maingot, Lindy	State of Onio		
Client Contact Crystal Ybanez	Phone:	E-Mail: Lindy.Maingot@et.eurofi	state of Ung nsus.com	560-124116 Chain of Custody	
Company: Water Utilities Laboratory	PWSID:		Analysis Requested	12r	0111
Address: 13101 Leopard St.	Due Date Requested:	1		D HNO3 D HNO3 HNO3	odes:
City: Corpus Christi	TAT Requested (days):				 5
State, Zp: TX, 78410	Compliance Project: A Yes A No				
Phone:	PO#; Pretreatment	(C			
Emait CrystalY@cctexas.com	:# OM	uide, W		SU C	
Project Name: OSO Re-sample C o pper	Project #. 56009919	<u>المركم (</u> مي المان مي المان مي المان			00
Fre treatment	SSOW#:	900.55 10.00 10.00 10.00		a other a	er only
	Sample Type Sample (C=com	Matrix Matrix (Monater, 140 (Monater, 140 (Monater, 140 (Monater, 140 (Monater, 140 (Monater, 140 (Monater, 140 (Monater, 140 (Monater, 140) (Monater, 140 (Monater, 140) (Monater, 140) (	······································	edmulf.let	
Sample Identification	Sample Date Time G=grab	) BT-Therme, A-Aur) 문 은 유 유 유		Part Special I	nstructions/Note:
050 Fina)	4 FEA28 D600 C	Water X		· 9- Ho /	6
		Water			
				:: 560 0.4.1.1.6	
				2113	
			·		
Possible Hazard Identification	con BRadiologic	Sample Dispos	al ( A fee may be assessed if : Client Disposal Bv I	amples are retained longer than	1 month) Months
Deliverable Requested: I, II III IV Other (specify)		Special Instruction	ons/QC Requirements:		
Empty Kit Relinquished by	Date:	Time:	Method (	if Shipment	
(any one how of her los los	1/20 (Egg) DS//	Goupany of Carport of the	y liveant	Date Time 2 DKIZ	Club (m)
Relinquisted by:	Date/Time:	Company Received by:		Date/Tirrie:	Company
Relinquished by:	Date/Time:	Company Received by:		Date/Time:	Company
Custody Seals Intact: Custody Seal No.		Cooler Tempera	hure(s) & an Other Reputed	TRIN CP	
					Ver 05/06/2024
			9   0   1	5 7 8	

Client: Water Utilities Laboratory

#### Login Number: 124116 List Number: 1

Creator: Stacy, Taylor

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

List Source: Eurofins Corpus Christi

Client: Water Utilities Laboratory

#### Login Number: 124116 List Number: 2 Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Job Number: 560-124116-1

List Source: Eurofins Houston

List Creation: 02/05/25 10:08 AM

#### ATTACHMENT J

List of Facility Operators Tech Rpt 1.0, Section 8

#### ATTACHMENT J CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION LIST OF FACILITY OPERATORS

First	Last	Wastewater License Level	License Number
Sigifredo	De Leon	А	WW0046170
Rosendo	Zamora	В	WW0024821
Howard	White	В	WW0071666
Martin	Trevino	В	WW0064428
Ronald	Beem	В	WW0050843
Joe David	Perez	С	WW0071734
Nickolas	Villarreal	С	WW0072247
Colton	Pensyl	D	WW0071508
Jovany	Gutierrez	D	WW0070053

#### ATTACHMENT K

Summary of WET Test Results Wks 5.0 Section 1 & 3

#### ATTACHMENT K CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION SUMMARY OF WET TEST RESULTS

#### **7-DAY CHRONIC TEST RESULTS**

Test Date	Test Species	NOEC Survival	NOEC Growth
10/13/2020	Americamysis bahia	100% Effluent	100% Effluent
10/13/2020	Menidia berryllina	100% Effluent	100% Effluent
2/9/2021	Americamysis bahia	100% Effluent	100% Effluent
2/9/2021	Menidia berryllina	100% Effluent	100% Effluent
6/22/2021	Americamysis bahia	100% Effluent	100% Effluent
6/22/2021	Menidia berryllina	100% Effluent	100% Effluent
7/27/2021	Americamysis bahia	100% Effluent	100% Effluent
7/27/2021	Menidia berryllina	100% Effluent	100% Effluent
2/8/2022	Americamysis bahia	100% Effluent	100% Effluent
2/8/2022	Menidia berryllina	100% Effluent	100% Effluent
7/12/2022	Americamysis bahia	100% Effluent	100% Effluent
2/21/2023	Americamysis bahia	100% Effluent	100% Effluent
2/21/2023	Menidia berryllina	100% Effluent	100% Effluent
11/7/2023	Americamysis bahia	100% Effluent	100% Effluent
4/16/2024	Americamysis bahia	100% Effluent	100% Effluent
4/16/2024	Menidia berryllina	100% Effluent	100% Effluent
8/6/2024	Americamysis bahia	100% Effluent	100% Effluent

#### ATTACHMENT K CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION SUMMARY OF WET TEST RESULTS

#### 24-HOUR ACUTE TEST RESULT

Test Date	Test Species	NOEC Survival
7/14/2020	Americamysis bahia	100% Effluent
7/14/2020	Menidia berryllina	100% Effluent
2/9/2021	Americamysis bahia	100% Effluent
2/9/2021	Menidia berryllina	100% Effluent
2/8/2022	Americamysis bahia	100% Effluent
2/8/2022	Menidia berryllina	100% Effluent
7/12/2022	Americamysis bahia	100% Effluent
2/21/2023	Americamysis bahia	100% Effluent
2/21/2023	Menidia berryllina	100% Effluent
11/7/2023	Menidia berryllina	100% Effluent
4/16/2024	Americamysis bahia	100% Effluent
4/16/2024	Menidia berryllina	100% Effluent
8/6/2024	Menidia berryllina	100% Effluent

#### ATTACHMENT L

Effluent Parameters Above the MAL Wks 6.0 Section 2.C

#### ATTACHMENT L CITY OF CORPUS CHRISTI OSO WATER RECLAMATION PLANT TPDES PERMIT RENEWAL APPLICATION EFFLUENT PARAMETERS ABOVE THE MAL

Pollutant	Concentration	MAL	Units	Date
Aluminum	25	2.5	μg/L	11/5/2024
Arsenic	1	0.5	μg/L	11/5/2024
Barium	75	3	μg/L	11/5/2024
Bromodichloromethane	49	10	μg/L	11/5/2024
Bromoform	57	10	μg/L	11/5/2024
Chlorodibromomethane	98	10	μg/L	11/5/2024
Chloroform	17	10	μg/L	11/5/2024
Copper	4.4	2	μg/L	11/5/2024
Copper	4.4	2	μg/L	1/31/2025
Copper	4.1	2	μg/L	2/4/2025
Copper	4.2	2	μg/L	2/5/2025
Copper	2.8	2	μg/L	2/6/2025
Cyanide	14	10	μg/L	11/5/2024
Cyanide	17	10	μg/L	1/30/2025
Fluoride	550	500	μg/L	11/5/2024
Nickel	2.7	2	μg/L	11/5/2024
Nitrate-Nitrogen	8700	100	μg/L	9/3/2024
Zinc	26	5	μg/L	11/5/2024
Trihalomethanes, Total	220	10	μg/L	11/5/2024

From: Garoutte, Alexandra <<u>ahughes@plummer.com</u>>
Sent: Thursday, April 17, 2025 4:37 PM
To: Leah Whallon <<u>Leah.Whallon@Tceq.Texas.Gov</u>>
Cc: Lewis, Ashley <<u>alewis@plummer.com</u>>; Earl Richardson <<u>EarlRi@cctexas.com</u>>
Subject: RE: Application to Renew Permit No. WQ0010401004; City of Corpus Christi; Oso Water Reclamation Plant

Good afternoon Leah,

Please see our attached response to the notice of deficiency for the above-referenced permit application, received April 3, 2025. The physical copy and check were hand delivered to TCEQ today. Please let us know if you have any questions.

Thank you,

**Alexandra Garoutte** 

Scientist in Training II Plummer

P: 512.452.5905 D: 737.304.7204

From: Leah Whallon <<u>Leah.Whallon@Tceq.Texas.Gov</u>>
Sent: Thursday, April 3, 2025 11:52 AM
To: Lewis, Ashley <<u>alewis@plummer.com</u>>
Cc: <u>earlri@cctexas.com</u>
Subject: Application to Renew Permit No. WQ0010401004; City of Corpus Christi; Oso Water Reclamation Plant

CAUTION: This email originated from outside of Plummer. DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good Afternoon,

Please see the attached Notice of Deficiency letter dated April 3, 2025 requesting additional information needed to declare the application administratively complete. Please send the complete response by April 17, 2025.

Please let me know if you have any questions.

Thank you,



Leah Whallon Texas Commission on Environmental Quality Water Quality Division 512-239-0084 Leah.whallon@tceq.texas.gov





0537-062-01

April 17, 2025

Ms. Leah Whallon Texas Commission on Environmental Quality Applications Review and Processing Team Building F, Room 2101 12100 Park 35 Circle Austin, Texas 78753 APR 1 7 2025

Re: Application to Renew Permit No. WQ0010401004 City of Corpus Christi (CN600131858) Oso Water Reclamation Plant (RN101610327)

Dear Ms. Whallon:

On behalf of the City of Corpus Christi, Plummer Associates, Inc. (Plummer) provides the following responses to your Notice of Deficiency (NOD) letter dated April 3, 2025, regarding the application to renew the Texas Pollutant Discharge Elimination System (TPDES) permit for the above-referenced facility. The responses are provided in the order presented in your NOD letter. A copy of your NOD letter is provided as Enclosure A.

- 1. Core Data Form, Section V: All original signature pages for the above-referenced application, including the signed core data form, are provided in Enclosure B.
- Administrative Report 1.0, Section 1: The \$2,015.00 application fee for the above-referenced permit application was submitted separately to the TCEQ Cashier's office via check no. 550490 on April 17, 2025.
- 3. Administrative Report 1.0, Section 14: All original signature pages for the above-referenced application, including Administrative Report 1.0, Section 14, are provided in Enclosure B.
- 4. Administrative Report 1.0, Section 8.F: An updated plain language summary is included as Enclosure C.
- Notice of Receipt of Application and Intent to Obtain a Water Quality Permit (NORI): Plummer has reviewed the proposed NORI language; no revisions are requested to the proposed language at this time.
- 6. Spanish NORI: The translated Spanish NORI is provided as Enclosure D.

8911 N Capital of TX Hwy Bidg I – Ste 1250 Austin, Texas 78752 Phone 512.452.5905 plummer.com TBPE Firm No. 13



0537-062-01

April 17, 2025

Ms. Leah Whallon Texas Commission on Environmental Quality Applications Review and Processing Team Building F, Room 2101 12100 Park 35 Circle Austin, Texas 78753

Re: Application to Renew Permit No. WQ0010401004 City of Corpus Christi (CN600131858) Oso Water Reclamation Plant (RN101610327)

Dear Ms. Whallon:

On behalf of the City of Corpus Christi, Plummer Associates, Inc. (Plummer) provides the following responses to your Notice of Deficiency (NOD) letter dated April 3, 2025, regarding the application to renew the Texas Pollutant Discharge Elimination System (TPDES) permit for the above-referenced facility. The responses are provided in the order presented in your NOD letter. A copy of your NOD letter is provided as Enclosure A.

- 1. **Core Data Form, Section V:** All original signature pages for the above-referenced application, including the signed core data form, are provided in Enclosure B.
- 2. Administrative Report 1.0, Section 1: The \$2,015.00 application fee for the above-referenced permit application was submitted separately to the TCEQ Cashier's office via check no. 550490 on April 17, 2025.
- 3. Administrative Report 1.0, Section 14: All original signature pages for the above-referenced application, including Administrative Report 1.0, Section 14, are provided in Enclosure B.
- **4.** Administrative Report 1.0, Section 8.F: An updated plain language summary is included as Enclosure C.
- 5. Notice of Receipt of Application and Intent to Obtain a Water Quality Permit (NORI): Plummer has reviewed the proposed NORI language; no revisions are requested to the proposed language at this time.
- 6. **Spanish NORI**: The translated Spanish NORI is provided as Enclosure D.

Ms. Leah Whallon April 17, 2025 Page 2

Please feel free to contact me at alewis@plummer.com or (512) 687-2154, if you have any questions regarding this submittal.

Sincerely,

PLUMMER **TBPE Firm Registration No. F-13** 

ashing Lewis

Ashley Lewis Water Quality/Permitting Team Leader

Enclosures (3)

Mr. Earl Richardson, Wastewater Treatment Plant Manager, City of Corpus Christi cc:

ENCLOSURE A Notice of Deficiency Letter April 3, 2025 Brooke T. Paup, *Chairwoman* Bobby Janecka, *Commissioner* Catarina R. Gonzales, *Commissioner* Kelly Keel, *Executive Director* 



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 3, 2025

Ms. Ashley Lewis Water Quality/Permitting Team Leader Plummer Associates, Inc. 8911 North Capital of Texas Highway, Suite 1250, Building 1 Austin, Texas 78759

RE: Application to Renew Permit No.: WQ0010401004 (EPA I.D. No. TX0047058) Applicant Name: City of Corpus Christi (CN600131858) Site Name: Oso Water Reclamation Plant (RN101610327) Type of Application: Renewal without changes

#### VIA EMAIL

Dear Ms. Lewis:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

- 1. Core Data Form, Section V Please provide the signed core data form.
- 2. Administrative Report 1.0, Section 1 Please provide the check or voucher number to confirm payment of the application fee.
- 3. Administrative Report 1.0, Section 14 Please provide the signed and notarized signature page.
- 4. Administrative Report 1.0, Section 8.F Please provide an updated plain language summary (TCEQ-20972) to update the proposed final phase flow to be consistent with the permit (24 MGD).
- 5. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • tceq.texas.gov

APPLICATION. City of Corpus Christi, P.O. Box 9277, Corpus Christi, Texas 78469, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010401004 (EPA I.D. No. TX0047058) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 24,000,000 gallons per day. The domestic wastewater treatment facility is located at 501 Nile Drive, in the city of Corpus Christi, Nueces County, Texas 78412. The discharge route is from the plant site directly to Blind Oso Bay. TCEQ received this application on March 27, 2025. The permit application will be available for viewing and copying at City of Corpus Christi Utilities Building, 2726 Holly Road, Corpus Christi, in Nueces County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>. 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. <u>https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.340568,27.710345&level=18</u>

Further information may also be obtained from City of Corpus Christi at the address stated above or by calling Mr. Earl Richardson, Wastewater Treatment Plant Manager, at 361-826-1848.

6. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

Please submit the complete response, addressed to my attention by April 17, 2025 If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at <u>leah.whallon@tceq.texas.gov</u>

Sincerely,

Jean Whallon

Leah Whallon Applications Review and Processing Team (MC148) Water Quality Division Texas Commission of Environmental Quality

lcw

Enclosure Municipal Discharge Renewal Spanish NORI

cc: Mr. Earl Richardson, Wastewater Treatment Plant Manager, City of Corpus Christi, 2726 Holly Road, Corpus Christi, Texas 78415 ENCLOSURE B Signature Pages

### Section 14. Signature Page (Instructions Page 34)

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

#### Permit Number: WQ0010401004

Applicant: City of Corpus Christi

#### 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): Drew Molly, P.E.

Signatory title: Chief Operating Officer, Corpus Christi Water

4/4/25 Date: Signature (Use blue ink)

Subscribed	and Sworn to before :	me by the	said	Drew Mi	olly	
on this	yth	day of	Apri	Ĭ.	, 20 35.	
My commiss	sion expires on the	16	_day of	March	,20 <u>He</u> .	

County, Texas

[SEAL]



## 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:
  - o periodically inspected by the TCEQ; or
  - o located in another state and is accredited or inspected by that state; or
  - o 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: Drew Molly, P.E.

Title: Chief Operating Officer, Corpus Christi Water

Signature: Date:

**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	D PWS
Sludge	Storm Water	Title V Air	Tires	Used Oil
Voluntary Cleanup	🛛 Wastewater	Wastewater Agriculture	Water Rights	Other:
	WQ0010401004			

## **SECTION IV: Preparer Information**

40. Name:	Alexandra Garoutte			41. Title:	Scientist in Training	
42. Telephone	e Number	43. Ext./Code	44. Fax Number	45. E-Mail	Address	A Long Sage
(512)452-590	5		( ) -	agaroutte@	plummer.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:	Corpus Christi Water	Job Title:	Chief Operating Officer	
Name (In Print):	Drew Molly		Phone:	( 361 ) 826- 3278
Signature:	Son & Que		Date:	4/4/25

ENCLOSURE C Plain Language Summary TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



## PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

## Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by <u>Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H</u>. Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in <u>30 TAC Section 39.426</u>, <u>you must provide a translated copy of the completed plain language summary in the</u> <u>appropriate alternative language as part of your application package</u>. For your convenience, a Spanish template has been provided below.

# ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

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.

The City of Corpus Christi (CN600131858) operates Oso Water Reclamation Plant (RN101610327), an activated sludge plant with contact stabilization. The facility is located at 501 Nile Drive, in Corpus Christi, Nueces County, Texas 78412. This application is for a renewal to discharge treated domestic wastewater at an annual average flow of 24,000,000 gallons per day via Outfall 001.

Discharges from the facility are expected to contain 5-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen, and enterococci. Domestic wastewater is treated by four mechanical bar screens, four grit removal units, two odor control units, four aeration basins, six re-aeration basins, eight secondary clarifiers, four aerobic digesters, a belt filter press, and four future bioreactors.

# PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

#### AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

*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.* 

La Ciudad de Corpus Christi (CN600131858) opera Planta de Recuperación de Agua de Oso (RN101610327), un planta de lodos activados con estabilización por contacto. La instalación está ubicada en 501 Nile Drive, en Corpus Christi, Condado de Nueces, Texas 78412. Esta solicitud es para una renovación para descargar aguas residuales domésticas tratadas a un flujo promedio anual de 24,000,000 galones por día a través del Emisario 001.

Se espera que las descargas de la instalación contengan demanda bioquímica carbonosa de oxígeno de cinco dias, sólidos suspendidos totales, nitrógeno amoniacal y enterococos. Aguas residuales domésticas están tratado por cuatro cribas de barras mecánicas, cuatro unidades de eliminación de arena, dos unidades de control de olores, cuatro tanques de aireación, seis tanques de reaireación, ocho clarificadores secundarios, cuatro digestores aeróbicos, un filtro prensa de banda y cuatro futuros biorreactores.

ENCLOSURE D

Spanish NORI

## Comisión de Calidad Ambiental del Estado de Texas



#### AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA RENOVACION

### **PERMISO NO. WQ0010401004**

**SOLICITUD.** La Ciudad de Corpus Christi, P.O. Box 9277, Corpus Christi, Texas 78469 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010401004 (EPA I.D. No. TX0047058) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 24,000,000 galones por día. La planta está ubicada 501 Nile Drive, en el Condado de Nueces, Texas 78412. La ruta de descarga es del sitio de la planta a directamente a la Blind Oso Bay. La TCEQ recibió esta solicitud el 27 de marzo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en el Edificio de Servicios Públicos de la Ciudad de Corpus Christi, 2726 Holly Road, Corpus Christi, en el Condado de Nueces, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.340568,27.710345&level=18

**AVISO DE IDIOMA ALTERNATIVO.** El aviso de idioma alternativo en español está disponible en <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>.

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar

la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso del nector Ejecutivo legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia

administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en <u>www.tceq.texas.gov/goto/cid</u>. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

# CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía

http://www14.tceq.texas.gov/epic/eComment/o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del la Ciudad de Corpus Christi a la dirección indicada arriba o llamando a Sr. Earl Richardson al 361-826-1848.

Fecha de emisión: [Date notice issued]