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

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **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 Edinburg (CN600647978) operates the Edinburg Wastewater Treatment Plant (RN102080603), an activated sludge process plant operated in the single stage nitrification mode. The facility is located at 1202 North M Road, in Edinburg, Hidalgo County, Texas 78542. This application is for a renewal to discharge at an annual average flow of 13,500,000 gallons per day of treated domestic wastewater via the north and/or south discharge routes from the plant site that ultimately outfall at the Laguna Madre in Segment No. 2491 of the Bays of Estuaries.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia Nitrogen (NH_3-N), free cyanide, total mercury, and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, and ultra-violet disinfection.

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 Edinburg (CN600647978) opera la Planta de Tratamiento de Aguas Residuals de la Ciudad de Edinburg (RN102080603), una planta de lodos activados operada en el modo de nitrificacion de carga simple. La instalación está ubicada en 1202 North M Road, en la ciudad de Edinburg, Condado de Hidalgo, Texas 78542. Esta solicitud es para una renovacion para descargar a un flujo promedio annual de 13,500,000 galones por dia de aguas residuals domesticas tratadas a traves de las rutas de descarga al norte y/o al sure desde el sitio de la planta que desembocan en la Laguna Madre en el Segmento No. 2491 de las Bahias de Rias.

Se espera que las descargas de la instalación contengan una demanda bioqimica de oxigeno carbonoso de cinco dias (CBOD5), solidos suspendidos totals (TSS), nitrogeno amoniaco (NH3-N), cianuro libre, mercurio total, y Escherichia coli. Otros contaminanted potenicales adicionales se incluyen en el Informe de la Hoja de Trabajo Domestica 1.0, Seccion 7. Las aguas residuals domesticas. están tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluyen una pantalla de barra, una camara de arena, cuencas de aeracion, clarificadores finales, digestores de lodos, un filtro prensa de banda, y desinfeccion ultravioleta.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010503002

APPLICATION. City of Edinburg, 415 West University Drive, Edinburg, Texas 78539, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010503002 (EPA I.D. No. TX0024112) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 13,500,000 gallons per day. The domestic wastewater treatment facility is located at 1202 North M Road, near the city of Edinburg, in Hidalgo County, Texas 78542. The discharge route is from the plant site via a 60-inch pipe to an unnamed Hidalgo County Drainage District (HCDD) ditch; thence to HCDD No. 1 Monte Christo; thence to North Main Drain (North Route); and via a 30-inch pipe to Curry Main Drainage Ditch; thence to HCDD No. 1 South Main Drain (South Route); thence both routes to the HCDD No. 1 Main Floodwater Channel (Main Drain); thence to Laguna Madre. TCEQ received this application on April 30, 2025. The permit application will be available for viewing and copying at Edinburg City Hall, First Floor Information Desk, 415 West University Drive, Edinburg, in Hidalgo County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.135,26.31&level=18

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

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

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

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

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

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

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

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

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

If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from City of Edinburg at the address stated above or by calling Mr. Gerardo Carmona, Jr., P.E., Director of Utilities, at 956-388-8212.

Issuance Date: May 30, 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. WQ0010503002

SOLICITUD. La Ciudad de Edinburg, 415 West University Drive, Edinburg, Texas 78539, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010503002 (EPA I.D. No. TX 0024112) 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 13,500,000 galones por día. La planta está ubicada en 1202 North M Road, cerca de la Ciudad de Edinburg en el Condado de Hidalgo, Texas 78542. La ruta de descarga es del sitio de la planta via una línea de 60-pulgadas a una zanja de drenaje sin nombre que le pertenece a el Distrito de Drenaje del Condado Hidalgo (HCDD1), de ahí a otra zanja de drenaje del HCDD1 en la calle Monte Cristo, de ahí a la zanja de drenaje llamada North Main Drain (Ruta Norte); y también via una línea de 30 pulgadas a una zanja de drenaje llamada Curry Main Drainage Ditch; de ahí a otra zanja de drenaje perteneciente del HCDD1 llamada South Main Drain (Ruta Sur); de ahí las dos rutas se unen a la zanja de drenaje del HCDD1 llamada Main Floodwater Channel (Zanja de Drenaje Principal); de ahí a la Laguna Madre. La TCEQ recibió esta solicitud el 30 de Abril del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en el primer piso en la zona de recepción e información en Edinburg City Hall, 415 West University Drive, Edinburg, en el Condado de Hidalgo, 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=-98.135,26.31&level=18

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

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 es un procedimiento 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 www.tceq.texas.gov/goto/cid. 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 de la Ciudad de Edinburg a la dirección indicada arriba o llamando a Gerardo Carmona, Jr., P.E., Director de Servicios Públicos al teléfono 956-388-8212.

Fecha de emisión: *30 de mayo de 2025*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 30, 2025

Re: Confirmation of Submission of the Renewal without changes for Public Domestic Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Renewal without changes for the Public Domestic Wastewater authorization.

ER Account Number: ER066611
Application Reference Number: 781605
Authorization Number: WQ0010503002
Site Name: City of Edinburg WWTP
Regulated Entity: RN102080603 - City of Edinburg
Customer(s): CN600647978 - City of Edinburg

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

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

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality

Update Domestic or Industrial Individual Permit

WQ0010503002

Site Information (Regulated Entity)

What is the name of the site to be authorized?	CITY OF EDINBURG WWTP
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1202 N M RD
City	EDINBURG
State	TX
ZIP	78539
County	HIDALGO
Latitude (N) (##.######)	26.31
Longitude (W) (-###.######)	-98.135
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN102080603
What is the name of the Regulated Entity (RE)?	CITY OF EDINBURG
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1202 N M RD
City	EDINBURG
State	TX
ZIP	78542
County	HIDALGO
Latitude (N) (##.######)	
Longitude (W) (-###.######)	
Facility NAICS Code	
What is the primary business of this entity?	DOMESTIC

City of-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600647978
Type of Customer	Other Government
Full legal name of the applicant:	
Legal Name	City of Edinburg
Texas SOS Filing Number	
Federal Tax ID	746000714
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	140204509
Number of Employees	501+
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	City of Edinburg
Prefix	MS
First	MYRA
Middle	
Last	AYALA
Suffix	
Credentials	
Title	CITY MANAGER
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	415 W UNIVERSITY DR
Routing (such as Mail Code, Dept., or Attn:)	
City	EDINBURG
State	TX
ZIP	78539
Phone (###-###-####)	5123888212
Extension	8946
Alternate Phone (###-###-####)	

Fax (###-###-####)	
E-mail	CITYSEC@CITYOFEDINBURG.COM

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	CN600647978, City of Edinburg
Organization Name	CITY OF EDINBURG
Prefix	MR
First	GERARDO
Middle	
Last	CARMONA
Suffix	JR
Credentials	
Title	DIRECTOR OF UTILITIES
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	415 W UNIVERSITY DR
Routing (such as Mail Code, Dept., or Attn:)	
City	EDINBURG
State	TX
ZIP	78539
Phone (###-###-####)	9563888212
Extension	8946
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	gcarmona@cityofedinburg.com

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	HALFF ASSOCIATES
Prefix	MRS
First	KRISTINA
Middle	

Last	LEAL
Suffix	
Credentials	PE
Title	TEAM LEADER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	5000 W MILITARY HWY STE 100
Routing (such as Mail Code, Dept., or Attn:)	
City	MCALLEN
State	TX
ZIP	78503
Phone (###-###-####)	9564455198
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	kleal@halff.com

Technical Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	HALFF ASSOCIATES
Prefix	MRS
First	KRISTINA
Middle	
Last	LEAL
Suffix	
Credentials	PE
Title	TEAM LEADER
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	5000 W MILITARY HWY STE 100
Routing (such as Mail Code, Dept., or Attn:)	
City	MCALLEN
State	TX

ZIP	78503
Phone (###-###-####)	9564455198
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	kleal@halff.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	Billing Contact
Organization Name	CITY OF EDINBURG
Prefix	MR
First	ARTURO
Middle	
Last	MARTINEZ
Suffix	
Credentials	
Title	ASSISTANT DIRECTOR OF UTILITIES
Enter new address or copy one from list:	

Mailing Address:

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	415 W UNIVERSITY DR
Routing (such as Mail Code, Dept., or Attn:)	
City	EDINBURG
State	TX
ZIP	78539
Phone (###-###-####)	9563888948
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	amartinez@cityofedinburg.com

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	Application Contact
2) Organization Name	HALFF ASSOCIATES
3) Prefix	MRS
4) First	KRISTINA
5) Middle	
6) Last	LEAL
7) Suffix	
8) Credentials	PE
9) Title	TEAM LEADER
Mailing Address	
10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	5000 W MILITARY HWY STE 100
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	MCALLEN
11.4) State	TX
11.5) ZIP	78503
12) Phone (###-###-####)	9564455198
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	kleal@halff.com

Owner Information

Owner of Treatment Facility	
1) Prefix	
2) First and Last Name	
3) Organization Name	CITY OF EDINBURG
4) Mailing Address	415 W UNIVERSITY DR
5) City	EDINBURG
6) State	TX
7) Zip Code	78539
8) Phone (###-###-####)	9563888212
9) Extension	
10) Email	gcarmona@cityofedinburg.com
11) What is ownership of the treatment facility?	Public

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

12) Prefix	
13) First and Last Name	
14) Organization Name	CITY OF EDINBURG
15) Mailing Address	415 W UNIVERSITY DR
16) City	EDINBURG
17) State	TX
18) Zip Code	78539
19) Phone (###-###-####)	9563888212
20) Extension	
21) Email	gcarmona@cityofedinburg.com
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

General Information Renewal-Amendment

1) Current authorization expiration date:	09/25/2025
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American Indian Land?	No
4) What is the application type that you are seeking?	Renewal without changes
5) Current Authorization type:	Public Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	13.5
5.2) Select the applicable fee	>= 1.0 MGD - Renewal - $2,015
6) What is the classification for your authorization?	TPDES
6.1) What is the EPA Identification Number?	TX0024112
6.2) Is the wastewater treatment facility location in the existing permit accurate?	Yes
6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct?	Yes
6.4) City nearest the outfall(s):	EDINBURG
6.5) County where the outfalls are located:	HIDALGO
6.6) 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
6.6.1) What is your right-of-way authorization status?	Authorization Granted
6.7) Is the daily average discharge at your facility of 5 MGD or more?	Yes
6.7.1) Provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge:	CAMERON|WILLACY
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	No

Public Notice Information

Individual Publishing the Notices	
1) Prefix	MS
2) First and Last Name	RUTH SEJA
3) Credential	
4) Title	SENIOR ADMINISTRATIVE ASSISTANT
5) Organization Name	HALFF ASSOCIATES
6) Mailing Address	5000 W MILITARY HWY
7) Address Line 2	SUITE 100
8) City	MCALLEN
9) State	TX
10) Zip Code	78503
11) Phone (###-###-####)	9564455254
12) Extension	
13) Fax (###-###-####)	
14) Email	rseja@halff.com
Contact person to be listed in the Notices	
15) Prefix	MR
16) First and Last Name	GERARDO CARMONA, JR.
17) Credential	PE
18) Title	DIRECTOR OF UTILITIES
19) Organization Name	CITY OF EDINBURG
20) Phone (###-###-####)	9563888212
21) Fax (###-###-####)	
22) Email	gcarmona@cityofedinburg.com
Bilingual Notice Requirements	
23) Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?	Yes
23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?	Yes
23.2) Do the students at these schools attend a bilingual education program at another location?	No
23.3) 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)?	No
23.4) Which language is required by the bilingual program?	SPANISH

Section 1# Public Viewing Information

County#: 1

1) County	HIDALGO
2) Public building name	EDINBURG CITY HALL
3) Location within the building	1ST FLOOR INFORMATION DESK AREA
4) Physical Address of Building	415 W UNIVERSITY DR
5) City	EDINBURG
6) Contact Name	
7) Phone (###-###-####)	9563881854
8) Extension	
9) Is the location open to the public?	Yes

Plain Language

1) Plain Language	
[File Properties]	
File Name	LANG_03 - TCEQ-20972 Plain Language Summary.pdf
Hash	F844700BD9E24F90028B64F7A21CD6C8C669093C90D807C139AC80A5DF4A1A01
MIME-Type	application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)	
[File Properties]	
File Name	SPIF_02 - TCEQ-20971 SPIF.pdf
Hash	CB9DBE4684E40DFD0EE0BDA7239E67F41904C50380D3731B9CD73125E90A82D9
MIME-Type	application/pdf

Domestic Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.	
[File Properties]	
File Name	MAP_Original USGS Map.pdf
Hash	69FB072C4DE95B117C3283DDE2ABE45E0CA0AE43BB2877B44C6DE3467618ED28
MIME-Type	application/pdf

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
2.1) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes
2.2) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	Yes
2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	Yes
2.5) I confirm that Worksheet 6.0 (Industrial Waste Contribution) is complete and included in the Technical Attachment.	Yes
2.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No
2.7) Technical Attachment	
[File Properties]	
File Name	TECH_05 - TCEQ-10054 Domestic Wastewater Permit Applicaiton Technical Report.pdf
Hash	E5059AC15700285D9E79D0450FF03BE48E712AA31D3740D3F7BAC503B77EAEB2
MIME-Type	application/pdf
3) Buffer Zone Map	
[File Properties]	
File Name	BUFF_ZM_Buffer Zone and Property Map.pdf
Hash	2AF3BE9AB549A343C13D49C175A96C2C146B9D758827F7101AC8C8843E6A9C24
MIME-Type	application/pdf
4) Flow Diagram	
[File Properties]	
File Name	FLDIA_Technical Report 1 - Section 2C Process Flow Diagram.pdf
Hash	68729FCF41A0730B4EB2BB99725DF39A72DDAEC4884A5071EE323375CE8A82C4
MIME-Type	application/pdf
5) Site Drawing	
[File Properties]	
File Name	SITEDR_Technical Report 1 - Section 3 Site Drawing.pdf
Hash	C31B4A3B3D3B0754EC499C836B6EDDD61AF99DE174BF6B279450CEB11092E989
MIME-Type	application/pdf
6) Design Calculations	

[File Properties]

File Name	DES_CAL_Edinburg WWTP Calculations.pdf
Hash	224D6EA807F90AEF12E6B2BF95EC6538BBAAA39D7A226BFE7ED4E7910F3803D8
MIME-Type	application/pdf

7) Solids Management Plan

8) Water Balance

9) Other Attachments

[File Properties]

File Name	OTHER_04 - TCEQ-10400 Core Data Form SIGNED.pdf
Hash	593C3C616EA975357316E8F4B26939FB0B4F417427B24EF1C6AFCBFCA3494C2F
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_SPL Lab Testing Tech Report Sect 7.pdf
Hash	4C74DC01EB743BE46E3517F9E1DB7B5506A3150EA6D04437116CD6DE7B68792B
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_SPL Lab Testing Worksheet 4.pdf
Hash	CEFEFD956F3856C10A3B24E2D539B8FBD8884C5E3600D2AFEF4DB73D6253BF6D
MIME-Type	application/pdf

Certification

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

1. I am Tomas D Reyna, the owner of the STEERS account ER066611.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0010503002.

9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Tomas D Reyna OWNER	
Customer Number:	CN600647978
Legal Name:	City of Edinburg
Account Number:	ER066611
Signature IP Address:	64.88.195.98
Signature Date:	2025-04-29
Signature Hash:	947C6D1F552FF484CB9782DCB4CA0FC0601C6D20A27437AB48B8293606FE5488
Form Hash Code at time of Signature:	E8237E42AF1A5D2AC42AC52D1E0F50A91CBF36DC09AF7AE5B4D1BA0CC2DE85F6

Fee Payment

Fee Amount:	$2000.00
Check Date:	The application fee was paid on 2025-04-29
Check Number:	The check number is 89426

Submission

Reference Number:	The application reference number is 781605
Submitted by:	The application was submitted by ER066611/Tomas D Reyna
Submitted Timestamp:	The application was submitted on 2025-04-30 at 11:43:07 CDT
Submitted From:	The application was submitted from IP address 64.88.195.98
Confirmation Number:	The confirmation number is 649997
Steers Version:	The STEERS version is 6.90
Permit Number:	The permit number is WQ0010503002

Additional Information

Application Creator: This account was created by Jose L Flores

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*

☐ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application.)*

☒ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600647978		**RN 102080603**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy): 04/25/2025

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

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

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

City of Edinburg

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
800767585	3202566974	32025669741	

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

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

13. Independently Owned and Operated?
☐ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address:

415 W. University Drive							
City	Edinburg	**State**	TX	**ZIP**	78541	**ZIP + 4**	4353

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(956) 388-8212	8946	( ) -

SECTION III: Regulated Entity Information

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

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

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

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

City of Edinburg

23. Street Address of the Regulated Entity: *(No PO Boxes)*	1202 N. M Rd.							
	City	Edinburg	**State**	TX	**ZIP**	78542	**ZIP + 4**	
24. County	Hidalgo							

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

25. Description to Physical Location:	Wastewater Treatment Plant WQ0010503002				
26. Nearest City			**State**	**Nearest ZIP Code**	
Edinburg			TX	78542	

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

27. Latitude (N) In Decimal:	26.308953		**28. Longitude (W) In Decimal:**	98.136417	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
26	18	36	98	08	06

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
4952		221320	

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

Wastewater treatment/collection for city

34. Mailing Address:	**415 W. University Dr.**							
	City	**Edinburg**	**State**	**TX**	**ZIP**	**78541**	**ZIP + 4**	
35. E-Mail Address:	gcarmona@cityofedinburg.com							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(956) 388-8212	8946	( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	W0010503002			

SECTION IV: Preparer Information

40. Name:	Kristina Leal	**41. Title:**	Water/Wastewater Team Leader

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(956) 445-5198		( ) -	kleal@halff.com

SECTION V: Authorized Signature

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

Company:	City of Edinburg	**Job Title:**	Assistant Director of Utilities
Name *(In Print):*	Arturo Martinez	**Phone:**	(956) 338- **8948**
Signature:		**Date:**	4/25/2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **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 Edinburg (CN600647978) operates the Edinburg Wastewater Treatment Plant (RN102080603), an activated sludge process plant operated in the single stage nitrification mode. The facility is located at 1202 North M Road, in Edinburg, Hidalgo County, Texas 78542. This application is for a renewal to discharge at an annual average flow of 13,500,000 gallons per day of treated domestic wastewater via the north and/or south discharge routes from the plant site that ultimately outfall at the Laguna Madre in Segment No. 2491 of the Bays of Estuaries.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia Nitrogen (NH_3-N), free cyanide, total mercury, and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, and ultra-violet disinfection.

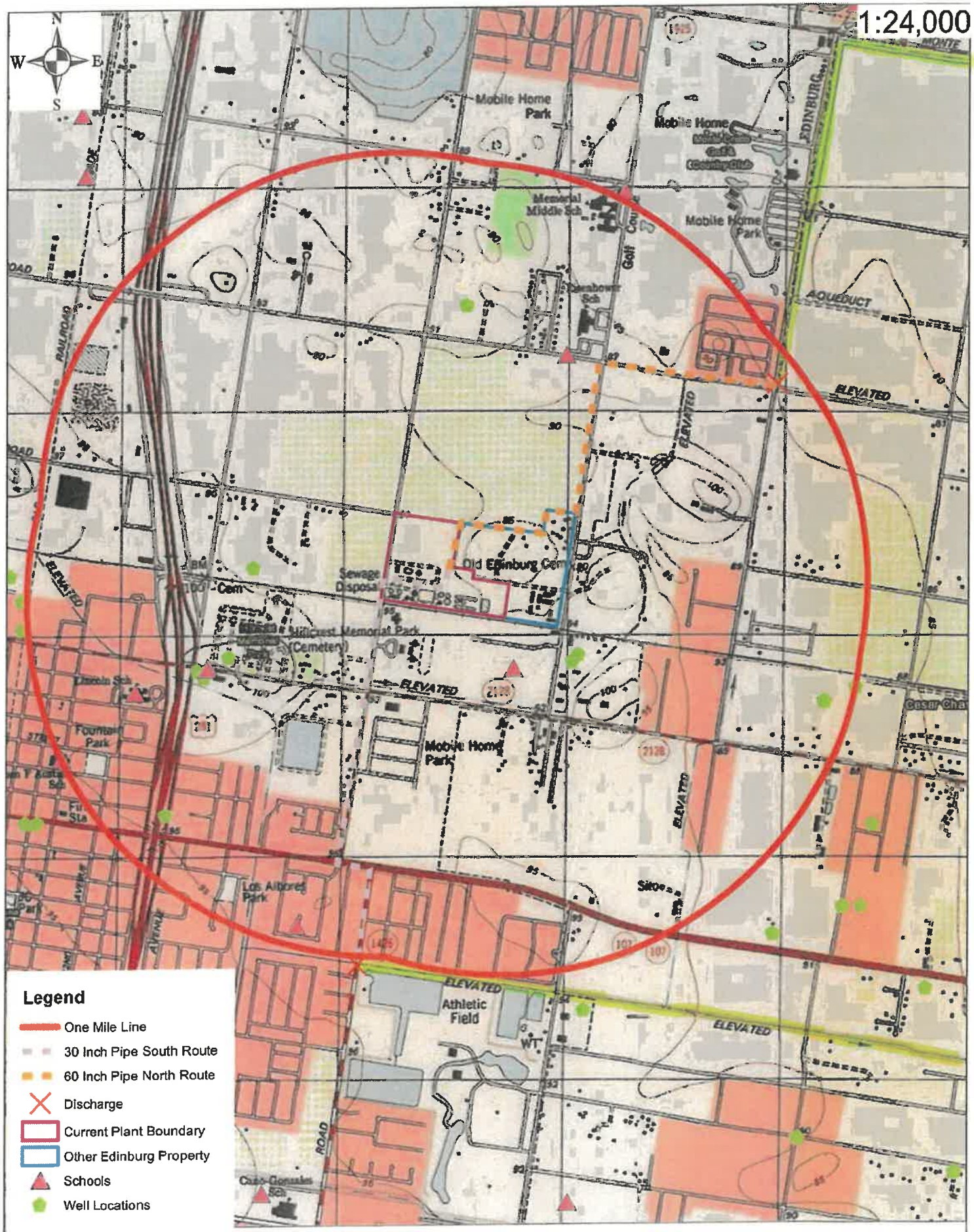
PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

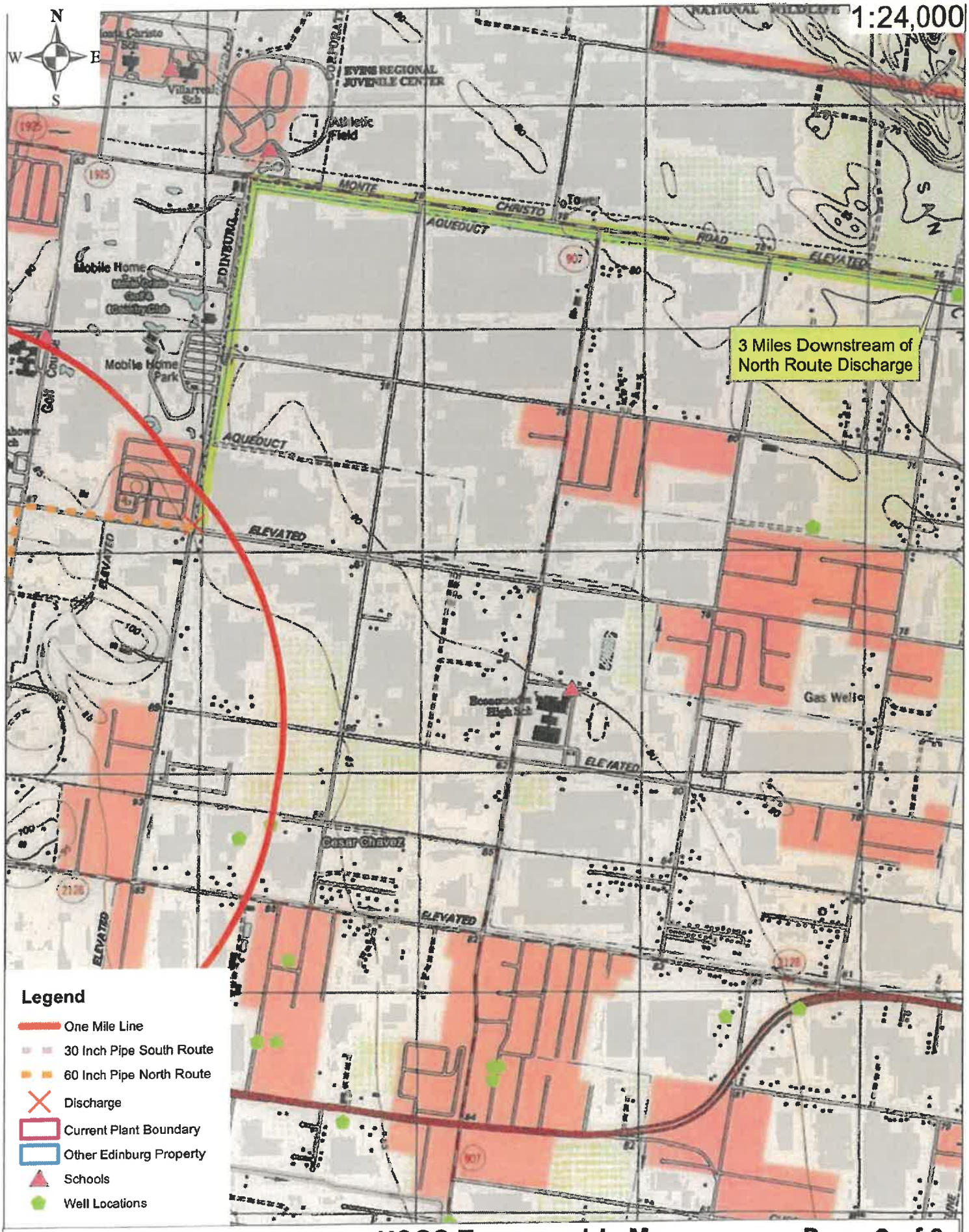
El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar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

La Ciudad de Edinburg (CN600647978) opera la Planta de Tratamiento de Aguas Residuals de la Ciudad de Edinburg (RN102080603), una planta de lodos activados operada en el modo de nitrificacion de carga simple. La instalación está ubicada en 1202 North M Road, en la ciudad de Edinburg, Condado de Hidalgo, Texas 78542. Esta solicitud es para una renovacion para descargar a un flujo promedio annual de 13,500,000 galones por dia de aguas residuals domesticas tratadas a traves de las rutas de descarga al norte y/o al sure desde el sitio de la planta que desembocan en la Laguna Madre en el Segmento No. 2491 de las Bahias de Rias.

Se espera que las descargas de la instalación contengan una demanda bioqimica de oxigeno carbonoso de cinco dias (CBOD5), solidos suspendidos totals (TSS), nitrogeno amoniaco (NH3-N), cianuro libre, mercurio total, y Escherichia coli. Otros contaminanted potenicales adicionales se incluyen en el Informe de la Hoja de Trabajo Domestica 1.0, Seccion 7. Las aguas residuals domesticas. están tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluyen una pantalla de barra, una camara de arena, cuencas de aeracion, clarificadores finales, digestores de lodos, un filtro prensa de banda, y desinfeccion ultravioleta.



Section 13 Attachment **USGS Topographic Map** **Page 1 of 3**


N
W
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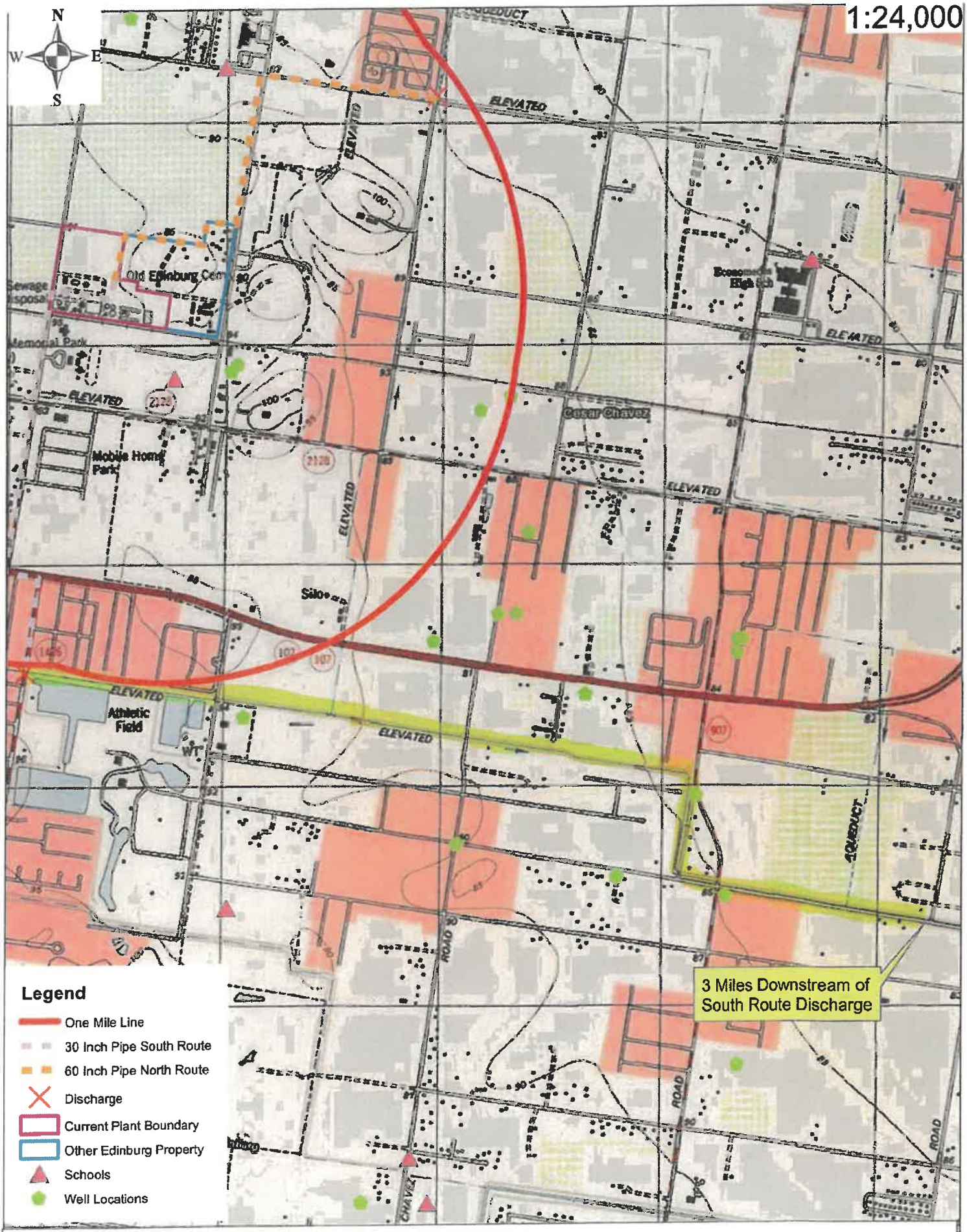
S
1:24,000
EVANS REGIONAL JUVENILE CENTER
Athletic Field
MONTE CHRISTO AQUEDUCT ROAD
ELEVATED
Mobile Home Park
AQUEDUCT
ELEVATED
Gas Wells
ELEVATED
Cesar Chavez
ELEVATED
3 Miles Downstream of North Route Discharge
Legend
One Mile Line
30 Inch Pipe South Route
60 Inch Pipe North Route
Discharge
Current Plant Boundary
Other Edinburg Property
Schools
Well Locations



Section 13 Attachment **USGS Topographic Map**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: City of Edinburg

   Permit No. WQ00 10503002 EPA ID No. TX 0024112

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

   1202 North M Road, Edinburg in Hidalgo County, Texas 78542

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

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

First and Last Name: Kristina Leal

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

Title: Team Leader

Mailing Address: 5000 W. Military Hwy. Suite 100

City, State, Zip Code: 78503

Phone No.: 956-445-5198 Ext.: N/A Fax No.: N/A

E-mail Address: kleal@halff.com

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

N/A

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

North Route: Effluent flows through a 60-inch pipe to an unnamed Hidalgo County Drainage Ditch No. 1 (HCDD1) ditch, thence to HCDD1 Monte Cristo, thence to North Main Drain. South Route: Effluent flows through a 30-inch pipe to Curry Main Drainage Ditch, thence to HCDD1 South Main Drain; thence both routes go to HCDD1 Main Floodwater Channel, thence to Laguna Madre in Segment No. 2491 of the Bays and Estuaries

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

The existing land use is for a wastewater treatment plant. The vegetation surrounding the existing processing units can be described as native grasses.

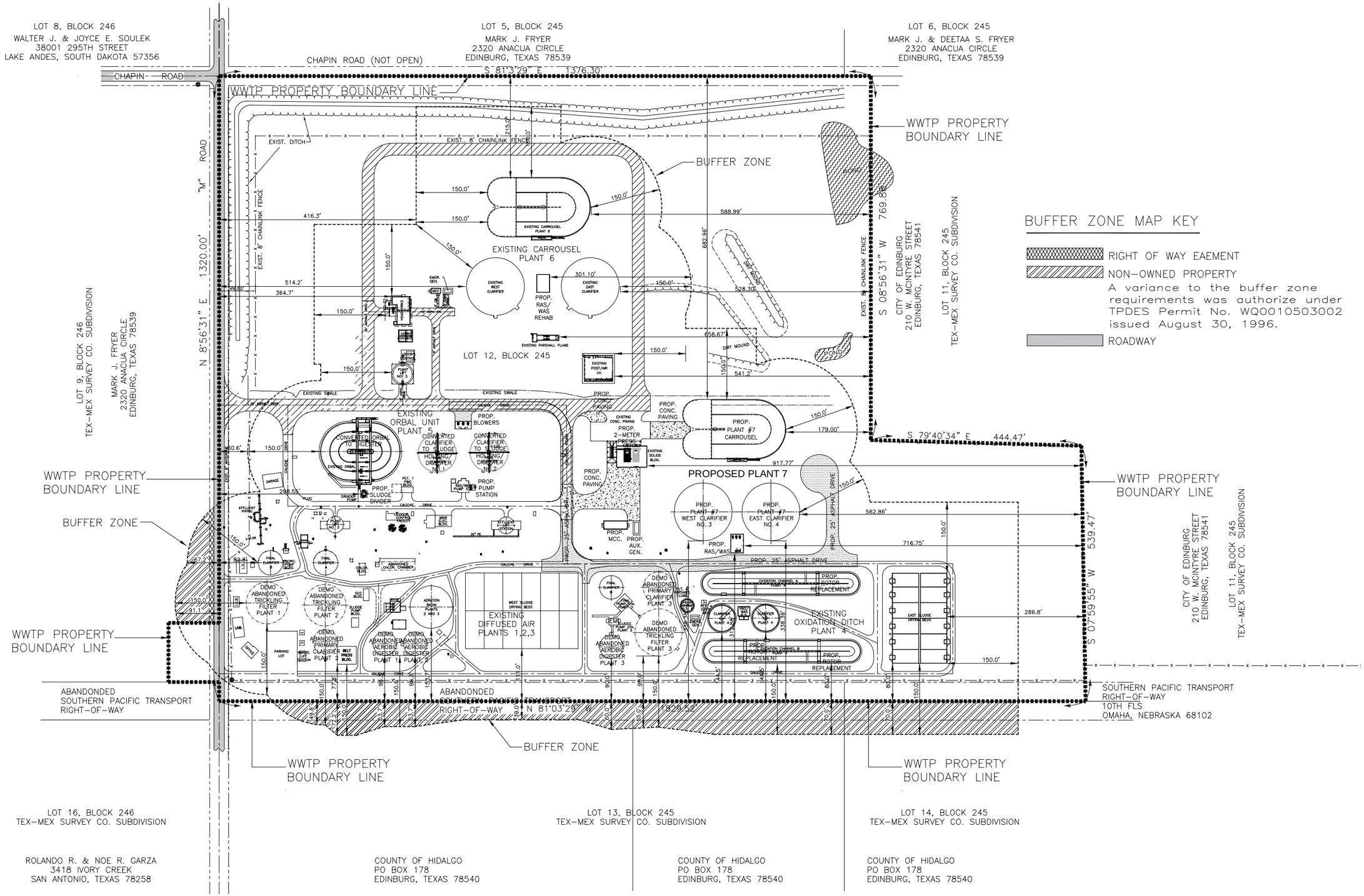
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A

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

N/A



BUFFER ZONE MAP KEY

- RIGHT OF WAY EAEMENT
- NON-OWNED PROPERTY
  A variance to the buffer zone requirements was authorize under TPDES Permit No. WQ0010503002 issued August 30, 1996.
- ROADWAY

halff
5000 West Military Hwy.
Ste. 100
McAllen, Texas 78503

N W E S

EDINBURG WWTP
BUFFER ZONE MAP

1 in = 200 ft

AVO
59431.001

DESIGN CALCULATIONS
Edinburg Wastewater Treatment Plant , Permit No. WQ0010503002
Existing System

Influent Quality Characteristics--The raw sewage quality characteristics used for design purposes are as follows:

Parameter	Concentration (Existing, Interim, & Final phases)
BOD_5	220 mg/l
TSS	220 mg/L
TKN	40 mg/L

Influent Flow Characteristics--The hydraulic design of the facility must ensure that the plant will operate under the most extreme conditions anticipated. The plant process and hydraulic design for this facility are as follows:

Flow	MGD	GPM
Average Daily Flow (Qave)	12.3	8,542
Peak 2-hour Flow (Qpk)	36.9	25,625
Loading	Pounds Per Day	
BOD_5	22,582	lbs/day
TSS	22,582	lbs/day
TKN	4,106	lbs/day

Process Design--The treatment plant has been designed to produce an effluent quality in compliance with the proposed parameters of BOD_5= 10 mg/L; TSS= 15 mg/L; NH_3-N= 2 mg/L; and Dissolved Oxygen= 6 mg/L. Disinfection is accomplished by ultraviolet light with dosage based on a effluent bioassay according to Chapter 217 rules. There are six activated sludge treatment trains that provide treatment. The operating ranges for MLSS is 3000 mg/L to 5000 mg/L. The RASS is 8000 mg/L to 10,000 mg/L.

TREATMENT UNITS

Preliminary Treatment Units

TCEQ Rules	
TCEQ Requires	Bar Screen or shredder
TCEQ Recommends	Grit removal
TCEQ Recommends	Two (2) fine screens
Existing Systems	
Operational	One Bar screen
Operational	One grit system
Operational	Two (2) fine screens

Treatment Trains (Plants)

Diffused Air (Fine Bubble) Plants (Trains 1, 2 & 3)

Total Capacity of All Three Trains	2.0 MGD
TCEQ Rules	
TCEQ maximum organic loading	35 lb BOD_5/1000 cf
TCEQ oxygen requirement	2.2 lb O_2/lb BOD_5
TCEQ Minimum Air Required	722 cfm
*Fine Bubble @ .30% CWOTE	
Existing Systems	
Total volume available	0.95 MG
Organic loading	28.9 lbBOD/1000cf
Oxygen provided	2.2 lbO2/lbBOD5

Blower scfm	1150 scfm
Final Clarifiers for All Three Trains	
TCEQ Rules	
TCEQ surface loading/design	600 GPD/sf
TCEQ surface loading/peak	1200 GPD/sf
TCEQ min detention time(Qave)	3.0 hours
TCEQ min. detetion time (Qpk)	1.5 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	9.0 feet
Surface loading, design	302 GPD/sf
Surface loading, peak	907 GPD/sf
Min. detention time (Qave)	5.34 hours
Min. detention time (Qpk)	1.8 hours
Weir length	500 feet
Weir loading (Qpk)	12,012 GPD/ft
Oxidation Ditch Plant (Plant 4)	
Train 4 Capacity	1.6 MGD
TCEQ Rules	
TCEQ maximum organic loading	15 lb BOD_5/1000 cf
TCEQ oxygen requirement	2.2 lb O_2/lb BOD_5
TCEQ Hydraulic Detention Time	20 hours
Existing Systems	
Total volume available	1.46 MG
Organic loading	15 lbBOD/1000cf
Oxygen provided	2.2 lbO2/lbBOD5
Hydraulic Detention Time	22 hours
Final Clarifiers for Oxidation Ditch Plant	
TCEQ Rules	
TCEQ surface loading/design	500 GPD/sf
TCEQ surface loading/peak	1000 GPD/sf
TCEQ min detention tim	3.6 hours
TCEQ min. detetion time (Qpk)	1.8 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	10.0 feet
Surface loading, design	314 GPD/sf
Surface loading, peak	940 GPD/sf
Min. detention time (Qave)	5.7 hours
Min. detention time (Qpk)	1.91 hours
Weir length	358 feet
Weir loading (Qpk)	13,400 GPD/ft
Closed Loop Reactor Plant (Orbal Unit - Plant 5)	
Train 5 Capacity	4.0 MGD
TCEQ Rules	
TCEQ maximum organic loading	35 lb BOD_5/1000 cf
TCEQ oxygen requirement	2.2 lb O_2/lb BOD_5
Existing Systems	
Total volume available	1.577 MG
Organic loading	34.8 lbBOD/1000cf
Oxygen provided	2.2 lbO2/lbBOD5
Final Clarifiers	
TCEQ Rules	
TCEQ surface loading/design	600 GPD/sf

TCEQ surface loading/peak	1200 GPD/sf
TCEQ min detention time(Qave)	3.0 hours
TCEQ min. detention time (Qpk)	1.5 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	12.0 feet
Surface loading, design	465 GPD/sf
Surface loading, peak	1395 GPD/sf
Min. detention time (Qave)	4.63 hours
Min. detention time (Qpk)	1.54 hours
Weir length	465 feet
Weir loading (Qpk)	25,809 GPD/ft
Closed Loop Reactor Plant (Carrousel Unit - Plant 6)	
Train 6 Capacity	4.7 MGD
TCEQ Rules	
TCEQ maximum organic loading	35 lb. BOD5/1000 cf
TCEQ oxygen requirement	2.2 lb O2/lb BOD5
Existing Systems	
Total volume available	2.82 MG
Organic loading	22.89 lbBOD/1000cf
Oxygen provided	2.2 lbO2/lbBOD5
Final Clarifiers	
TCEQ Rules	
TCEQ surface loading/design	600 GPD/sf
TCEQ surface loading/peak	1200 GPD/sf
TCEQ min detention time(Qave)	3.0 hours
TCEQ min. detention time (Qpk)	1.5 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	14 feet
Surface loading, design	208 GPD/sf
Surface loading, peak	623 GPD/sf
Min. detention time (Qave)	12.1 hours
Min. detention time (Qpk)	4.0 hours
Weir length	754 feet
Weir loading (Qpk)	18,700 GPD/ft

DESIGN CALCULATIONS
Edinburg Wastewater Treatment Plant , Permit No. WQ0010503002
Final Phase with Proposed Improvements

Influent Quality Characteristics--The raw sewage quality characteristics used for design purposes are as follows:

Parameter	Concentration (Existing, Interim, & Final phases)
BOD_5	250 mg/L
TSS	220 mg/L
TKN	40 mg/L

Influent Flow Characteristics--The hydraulic design of the facility must ensure that the plant will operate under the most extreme conditions anticipated. The plant process and hydraulic design for this facility are as follows:

Flow	MGD	GPM
Average Daily Flow (Qave)	13.5	9,375
Peak 2-hour Flow (Qpk)	40.5	28,125
Loading	Pounds Per Day	
BOD_5	28,164	lbs/day
TSS	24,785	lbs/day
TKN	4,506	lbs/day

Process Design--The treatment plant has been designed to produce an effluent quality in compliance with the proposed parameters of BOD_5= 10 mg/L; TSS= 15 mg/L; NH_3-N= 2 mg/L; and Dissolved Oxygen= 6 mg/L. Disinfection is accomplished by ultraviolet light with dosage based on a effluent bioassay according to Chapter 217 rules. There are six activated sludge treatment trains that provide treatment. The operating ranges for MLSS is 3000 mg/L to 5000 mg/L. The RASS is 8000 mg/L to 10,000 mg/L.

TREATMENT UNITS

Preliminary Treatment Units

TCEQ Rules	
TCEQ Requires	Bar Screen or shredder
TCEQ Recommends	Grit removal
TCEQ Recommends	Two (2) fine screens
Existing Systems	
Operational	One Bar screen
Operational	One grit system
Operational	Two (2) fine screens

Treatment Trains (Plants)

Diffused Air (Fine Bubble) Plants (Trains 1, 2 & 3)

Total Capacity of All Three Trains	2.0 MGD
TCEQ Rules	
TCEQ maximum organic loading	35 lb BOD_5/1000 cf
TCEQ oxygen requirement	2.2 lb O_2/lb BOD_5
TCEQ Minimum Air Required	722 cfm
*Fine Bubble @ .30% CWOTE	
Existing Systems	
Total volume available	0.95 MG
Organic loading	32.8 lbBOD/1000cf

Oxygen provided	2.2 lbO2/lbBOD5
Blower scfm	1150 scfm
Final Clarifiers for All Three Trains	
TCEQ Rules	
TCEQ surface loading/design	600 GPD/sf
TCEQ surface loading/peak	1200 GPD/sf
TCEQ min detention time(Qave)	3.0 hours
TCEQ min. detetion time (Qpk)	1.5 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	9.0 feet
Surface loading, design	302 GPD/sf
Surface loading, peak	907 GPD/sf
Min. detention time (Qave)	5.34 hours
Min. detention time (Qpk)	1.8 hours
Weir length	500 feet
Weir loading (Qpk)	12,012 GPD/ft
Oxidation Ditch Plant (Plant 4)	
Train 4 Capacity	1.4 MGD
TCEQ Rules	
TCEQ maximum organic loading	15 lb BOD5/1000 cf
TCEQ oxygen requirement	2.2 lb O2/lb BOD5
TCEQ Hydraulic Detention Time	20 hours
Existing Systems	
Total volume available	1.46 MG
Organic loading	15 lbBOD/1000cf
Oxygen provided	2.2 lbO2/lbBOD5
Hydraulic Detention Time	25 hours
Final Clarifiers for Oxidation Ditch Plant	
TCEQ Rules	
TCEQ surface loading/design	500 GPD/sf
TCEQ surface loading/peak	1000 GPD/sf
TCEQ min detention tim	3.6 hours
TCEQ min. detetion time (Qpk)	1.8 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	10.0 feet
Surface loading, design	274 GPD/sf
Surface loading, peak	823 GPD/sf
Min. detention time (Qave)	6.54 hours
Min. detention time (Qpk)	2.18 hours
Weir length	358 feet
Weir loading (Qpk)	13,400 GPD/ft
Closed Loop Reactor Plant (Carrousel Unit - Plant 6)	
Train 6 Capacity	4.7 MGD
TCEQ Rules	
TCEQ maximum organic loading	35 lb. BOD5/1000 cf
TCEQ oxygen requirement	2.2 lb O2/lb BOD5
Existing Systems	
Total volume available	2.82 MG
Organic loading	26 lbBOD/1000cf
Oxygen provided	2.2 lbO2/lbBOD5
Final Clarifiers	

TCEQ Rules	
TCEQ surface loading/design	600 GPD/sf
TCEQ surface loading/peak	1200 GPD/sf
TCEQ min detention time(Qave)	3.0 hours
TCEQ min. detention time (Qpk)	1.5 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	14 feet
Surface loading, design	208 GPD/sf
Surface loading, peak	623 GPD/sf
Min. detention time (Qave)	12.1 hours
Min. detention time (Qpk)	4.0 hours
Weir length	754 feet
Weir loading (Qpk)	18,700 GPD/ft
Closed Loop Reactor Plant (Proposed New Carrousel Unit - Plant 7)	
Train 6 Capacity	5.4 MGD
TCEQ Rules	
TCEQ maximum organic loading	35 lb. BOD5/1000 cf
TCEQ oxygen requirement	2.2 lb O2/lb BOD5
Existing Systems	
Total volume available	2.82 MG
Organic loading	30 lbBOD/1000cf
Oxygen provided	2.2 lbO2/lbBOD5
Final Clarifiers	
TCEQ Rules	
TCEQ surface loading/design	600 GPD/sf
TCEQ surface loading/peak	1200 GPD/sf
TCEQ min detention time(Qave)	3.0 hours
TCEQ min. detention time (Qpk)	1.5 hours
TCEQ max. weir loading (Qpk)	30,000 GPD/ft
Existing Systems	
SWD	14 feet
Surface loading, design	239 GPD/sf
Surface loading, peak	716 GPD/sf
Min. detention time (Qave)	10.5 hours
Min. detention time (Qpk)	3.5 hours
Weir length	754 feet
Weir loading (Qpk)	20,690 GPD/ft

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 12.3

2-Hr Peak Flow (MGD): 36.90

Estimated construction start date: 06/03/2011

Estimated waste disposal start date: 04/16/2013

B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 13.5

2-Hr Peak Flow (MGD): 40.5

Estimated construction start date: 05/01/2023

Estimated waste disposal start date: 06/01/2026

D. Current Operating Phase

Provide the startup date of the facility: 04/16/2013

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**.

The Edinburg Wastewater Treatment Plant is an activated sludge plant operating in the single stage nitrification mode. The plant consists of four trains that have been constructed at the plant over a period of almost 50 years. Wastewater enters the plant via a gravity collection system into a diversion box that splits the flow between the plant's two lift stations. The two lift stations lift the wastewater into the plant's headworks. The headworks consists of two mechanical bar screens, a bypass channel, grit collection, and other associated equipment. Flow from the headworks is split and metered into the four treatment trains. The first, known as the Basin Plant, is a diffused air plant having its own clarifier and RAS/WAS pump station. The second train known as Plant #4 is an oxidation ditch with two final clarifiers and its own RAS/WAS pump station. The third train is a closed loop reactor plant (Orbal) with two final clarifiers and its own RAS/WAS pump station. The fourth and final plant is a closed loop reactor plant (Carrousel) with two final clarifiers and its own RAS/WAS pump station. Clarifier effluent from the first three trains flows to an intermediate pump station where the effluent is lifted to the parshall flume. Clarifier effluent from train four flows directly to the parshall flume. The effluent then flows to the UV disinfection system and post aeration before it discharges through a 60" pipe into a control structure that can be used to route the effluent to either a north or south discharge route. The waste activated sludge is pumped to sludge holding and then to drying. Drying is accomplished using a two-meter belt presses or at backup drying beds. The final disposal of sludge is disposed into the City of Edinburg landfill. Per the TPDES Permit Amendment Application submitted on October 26, 2022, and approved by TCEQ on October 13, 2023, the following describes the planned upgrade and expansion that was submitted and under construction.

For the upgrade and expansion of the existing plant the plan is to repurpose the Orbal plant and its associated clarifiers into an aerobic digester/sludge storage system. A new carrousel type plant along with two clarifiers and a RAS/WAS pump station will be constructed on the east side of the existing plant property. The new carrousel plant will need to have a treatment capacity of 5.4 MGD. Upgrading and expanding the existing plant in this manner will facilitate construction. This project, as proposed, will construct the new aeration basins (carrousel), new clarifiers, and new RAS/WAS pump facilities without interruption to the current plant operation. When complete, wastewater flow can be diverted to the new section, and the Orbal plant can then be modified for sludge processing. The more detailed scope of services for the project would be as follows:

Liquid Process Existing Plants (Basin Plant, Plant #4, Orbal, and Carrousel)

1. Existing Divider Structure has no modifications.
2. Existing Influent Lift Station No.2 and No.3 no modifications.
3. Existing Headworks no modifications.
4. Intercept existing Orbal Influent Line plug and redirect flow to the new proposed Carrousel Plant on the East side of the existing treatment facility.
5. Existing Parshall Flume no modifications.
6. Existing UV Disinfection no modifications.
7. Existing Post Aeration no modifications.
8. Existing Non-Potable Water System no modifications.

Biosolids Process Existing Plant (Basin Plant, Plant #4, Orbal, and Carrousel)

1. Existing Basin Plant modifications.
   a) Proposed to intercept the existing WAS line and reroute a new line to the proposed converted Sludge Digester (the Orbal).
2. Existing Plant #4 Oxidation Ditch modifications.

a) Proposed to intercept the existing WAS line and reroute a new line to the proposed converted Sludge Digester (the Orbal).

3. Existing Plant #5 Orbal modifications.
   a) Propose to convert the Orbal unit into a Sludge Digester.
   b) Propose to convert Final Clarifiers 1A and 1B into Sludge Storage.
   c) Proposed to Modify existing RAS/WAS discharge pump piping.
   d) Proposed Three new Progressive Cavity Sludge Transfer Pumps.
   e) Proposed to route new Sludge Transfer Line to Belt Press
   f) Proposed to route new decant line from converted sludge thickeners 1 and 2 to the existing influent Lift Station No.2.
4. Existing Carrousel modifications.
   a) Proposed to intercept the existing WAS line and reroute a new line to the proposed converted Sludge Digester (the Orbal).
5. Existing Solids Building Process Room modifications.
   a) Proposed installation of a new 2 Meter Belt Filter Press
   b) Proposed modifications to existing Sludge Feed Header piping.
   c) Proposed modifications and connection of Belt Press Conveying Facilities

Liquid Process Proposed New Carrousel Plant

1. Intercept existing Orbal Influent Line from existing Headworks plug and redirect flow to the new proposed Carrousel East Section Biological Treatment Facility section.
2. Aeration Section
   a) Proposed Carrousel Aeration Basin.
   b) Proposed 3-250hp Mechanical Aerators.
   c) Proposed Aeration Control System with Dissolved Oxygen Probe.
3. Sedimentation Section
   a) Proposed 2-120' Secondary Clarifiers.
   b) Proposed Settled Effluent from Secondary Clarifiers is to be routed to the existing Intermediate Effluent Lift Station which then pumps to the Parshall Flume.

Biosolids Process Proposed Carrousel Plant

1. RAS/WAS Sludge Pump Station.
   a) Proposed 3 Screw Impeller Centrifugal Return Activated Sludge (RAS) pumps.
   b) Proposed 2 Screw Impeller Centrifugal Waste Activated Sludge (WAS) pumps.
   c) Proposed route new WAS Sludge Line to the proposed converted Sludge Digester.

Other Proposed improvements for New Carrousel Plant

1. Proposed new Motor Control Center Building for new Carrousel Plant.
2. Proposed new Emergency Generator
3. Proposed miscellaneous site improvements

4. Demolition of abandoned facilities

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)
Treatment Trains		
Existing Basin Plant (Diffused Air Plant)		
Aeration Basin	1	90’ Dia X 20’ Depth
Final Clarifiers 1 & 3	2	52’ Dia X 9’ Depth
Final Clarifier 2	1	55’ Dia X 9’ Depth
Oxidation Ditch Plant		
Oxidation Ditches	2	Total Volume: 1.460 MG
Final Clarifiers	2	57’ Dia. X 10’ Depth
Existing Carrousel Plant		
Aeration Basin	1	Total Volume: 2.816 MG
Final Clarifiers	2	120’ Dia. X 12’ Depth
Proposed New Carrousel Plant		
Aeration Basin	1	Total Volume: 2.823 MG
Final Clarifiers	2	120’ Dia. X 14’ Depth
Solids Processing		
Convert Existing Orbal Plant to Aerobic Digester		
Existing Orbal Plant	1	Total Volume: 1.577 MG
Existing Orbal Clarifiers	2	74’ Dia. X 12’ Depth
Sludge Dewatering		
Belt Filter Press	2	2- Meter Press

C. Process Flow Diagram

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

Attachment: Process Flow Diagram attached

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

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

- Latitude: 26° 19' 2.41"
- Longitude: 98° 7' 7.46"

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

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

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

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

Attachment: Site Drawing attached

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

City of Edinburg – Wastewater CCN 320793

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
Edinburg WWTP Collection System	**City of Edinburg**	**Publicly Owned**	>100,000
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

N/A

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.

N/A

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: 12/22/2010 (for existing plant, final phase of expansion was approved on October 13, 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**.

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

As provided in the existing permit, City of Edinburg requests that the permit continue to allow the variance related to the other existing southside facilities which received a buffer zone variance as authorized as part of the permit issued on August 30, 1996 under TPDES Permit No. WQ0010503002.

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*.

The existing TPDES permit requires that prior to construction of the final phase treatment facility, the permittee should submit the TCEQ Wastewater Permitting Section (MC 148), a summary transmittal letter in accordance with the requirements in 30 TAC 217.6(d), plans, specifications, and a final engineering design report and notify the TCEQ Regional Office at least 45 days prior to completion of the new facility on Notification of Completion Form 20007.

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.

N/A

3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

N/A

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.

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 V871 or TXRNE N/A

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

☐ Yes ☐ No

3. Conditional exclusion

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

☐ Yes ☐ No

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

N/A

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.

N/A

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.

N/A

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.
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 BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

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 BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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.

N/A

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). **W*ater treatment facilities*** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	31.3		1	Comp	01/17/25
Total Suspended Solids, mg/l	274		1	Comp	01/17/25
Ammonia Nitrogen, mg/l	35.3		1	Comp	01/17/25
Nitrate Nitrogen, mg/l	1.97		1	Comp	01/17/25
Total Kjeldahl Nitrogen, mg/l	38.9		1	Comp	01/17/25
Sulfate, mg/l	338		1	Comp	01/17/25
Chloride, mg/l	316		1	Comp	01/17/25
Total Phosphorus, mg/l	5.85		1	Comp	01/17/25
pH, standard units	7.7		1	Comp	01/17/25
Dissolved Oxygen*, mg/l	6.9		1	Comp	01/17/25

Chlorine Residual, mg/l	< 0.05		1	Comp	01/17/25
E.coli (CFU/100ml) freshwater	>2419.6		1	Comp	01/17/25
Entercocci (CFU/100ml) saltwater	>2419.6		1	Comp	01/17/25
Total Dissolved Solids, mg/l	1380		1	Comp	01/17/25
Electrical Conductivity, µmohs/cm, †	2170		1	Comp	01/17/25
Oil & Grease, mg/l	6.98		1	Comp	01/17/25
Alkalinity ($CaCO_3$)*, mg/l	277		1	Comp	01/17/25

*TPDES permits only
†TLAP permits only

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Leonardo Garcia

Facility Operator's License Classification and Level: License Class A Level

Facility Operator's License Number: WW0062102

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

☒ Aerobic Digestion

☒ Air Drying (or sludge drying beds)

☐ Lower Temperature Composting

☐ Lime Stabilization

☐ Higher Temperature Composting

☐ Heat Drying

☐ Thermophilic Aerobic Digestion

☐ Beta Ray Irradiation

☐ Gamma Ray Irradiation

☐ Pasteurization

☒ Preliminary Operation (e.g. grinding, de-gritting, blending)

☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)

☐ Sludge Lagoon

☐ Temporary Storage (< 2 years)

☐ Long Term Storage (>= 2 years)

☐ Methane or Biogas Recovery

☐ Other Treatment Process: N/A

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	8565 tons/year	Class B: PSRP Aerobic Digestion	Option 3: Lab demonstration of volatile solids reduction aerobically
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: City of Edinburg Landfill

TCEQ permit or registration number: RN 102217734

County where disposal site is located: Hidalgo

E. Transportation method

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

Name of the hauler: City of Edinburg Landfill

Hauler registration number: TCEQ 21785

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: N/A
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: N/A
- Federal Emergency Management Map:

  Attachment: N/A
- 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

☐ None of the above

Attachment: N/A

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:

N/A

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: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

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

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

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: N/A

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

C. Liner information

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

☐ Yes ☐ No

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

N/A

D. Site development plan

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

N/A

Attach the following documents to the application.

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

  Attachment: N/A
- Copy of the closure plan

  Attachment: N/A
- Copy of deed recordation for the site

  Attachment: N/A
- 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: N/A
- 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

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: N/A

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:

Edinburg holds a Type II reuse authorization that allows irrigation of a 155-acre, city owned golf course and other Type II uses, R10503-002 dated 12/23/97.

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 TCEQ has an Agreed Order with the City of Edinburg (Agreed Order Docket No.: 2019-1079-MWD-E). The WWTP has failed to meet permit parameters as a result of equipment breakdown and plant capacity has exceeded 75% for three consecutive months. The City is finalizing funding through TWDB CWSRF Program. Engineering has started for the expansion and upgrade of this treatment plant. The City has recently requested an extension for compliance with the Agreed Order to secure equipment repairs, finalize funding, finish plans, bid, and start construction on the project. The current schedule has the City coming into compliance with the order on 12/28/2023.

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: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: Myra L. Ayala

Title: City Manager

Signature: _____

Date: April 23, 2025

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: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

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: N/A

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).

N/A

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).

N/A

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: South Route – Curry Main Drain North

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: N/A

Average depth of the entire water body, in feet: N/A

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

☒ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: N/A

B. Flow characteristics

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

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

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

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: N/A

C. Downstream perennial confluences

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

None

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☐ Yes ☒ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

South Route – Curry Main Drainage Ditch – Observed with heavily vegetated side slopes with relatively shallow and turbid waters.
North Route – Kenyon Drain (ditch owned by HCDD1) – Observed with lightly vegetated side slopes with turbid shallow water.

Date and time of observation: 04/11/2025 @ 4:00 p.m.

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

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

B. Waterbody uses

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

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

C. Waterbody aesthetics

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

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

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

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

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

Grab ☒ Composite ☐

Date and time sample(s) collected: 03/03/2025

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<5		1	50
Aldrin	<0.01		1	0.01
Aluminum	133		1	2.5
Anthracene	<1.22		1	10
Antimony	<3		1	5
Arsenic	2.03		1	0.5
Barium	90.1		1	3
Benzene	<5		1	10
Benzidine	<24.3		1	50
Benzo(a)anthracene	<1.22		1	5
Benzo(a)pyrene	<1.22		1	5
Bis(2-chloroethyl)ether	<1.22		1	10
Bis(2-ethylhexyl)phthalate	<9.12		1	10
Bromodichloromethane	<5		1	10
Bromoform	<5		1	10
Cadmium	<1		1	1
Carbon Tetrachloride	<0.002		1	2
Carbaryl	<2.52		1	5
Chlordane*	<0.2		1	0.2
Chlorobenzene	<5		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chlorodibromomethane			1	10
Chloroform	<5		1	10
Chlorpyrifos	<0.00005		1	0.05
Chromium (Total)	1.77		1	3
Chromium (Tri) **(*1)**	<3		1	N/A
Chromium (Hex)	<3		1	3
Copper	14.6		1	2
Chrysene	<1.22		1	5
p-Chloro-m-Cresol	<2.92		1	10
4,6-Dinitro-o-Cresol			1	50
p-Cresol			1	10
Cyanide **(*2)**	<5		1	10
4,4'- DDD	<0.0101		1	0.1
4,4'- DDE	<0.0101		1	0.1
4,4'- DDT	<0.0101		1	0.02
2,4-D	<0.481		1	0.7
Demeton (O and S)	<0.0504		1	0.20
Diazinon	<0.0504		1	0.5/0.1
1,2-Dibromoethane	<5		1	10
m-Dichlorobenzene	<5		1	10
o-Dichlorobenzene	<5		1	10
p-Dichlorobenzene	<5		1	10
3,3'-Dichlorobenzidine	<6.08		1	5
1,2-Dichloroethane	<5		1	10
1,1-Dichloroethylene	<5		1	10
Dichloromethane	<5.1		1	20
1,2-Dichloropropane	<5		1	10
1,3-Dichloropropene	<5		1	10
Dicofol	<0.0504		1	1
Dieldrin	<0.0101		1	0.02
2,4-Dimethylphenol	<2.92		1	10
Di-n-Butyl Phthalate	<9.12		1	10
Diuron	<0.0453		1	0.09

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan I (alpha)	<0.00001		1	0.01
Endosulfan II (beta)	<0.0101		1	0.02
Endosulfan Sulfate	<0.0101		1	0.1
Endrin	<0.0101		1	0.02
Ethylbenzene	<5		1	10
Fluoride	530		1	500
Guthion	<0.0504		1	0.1
Heptachlor	<0.01		1	0.01
Heptachlor Epoxide	<0.00001		1	0.01
Hexachlorobenzene	<1.22		1	5
Hexachlorobutadiene	<1.22		1	10
Hexachlorocyclohexane (alpha)	<0.0101		1	0.05
Hexachlorocyclohexane (beta)	<0.0101		1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.0101		1	0.05
Hexachlorocyclopentadiene	<10.9		1	10
Hexachloroethane	<1.22		1	20
Hexachlorophene	<2.52		1	10
Lead	<1		1	0.5
Malathion	<0.0504		1	0.1
Mercury	<0.00426		1	0.005
Methoxychlor	<0.0101		1	2
Methyl Ethyl Ketone	<5		1	50
Mirex	<0.0101		1	0.02
Nickel	2.81		1	2
Nitrate-Nitrogen	2800		1	100
Nitrobenzene	<1.22		1	10
N-Nitrosodiethylamine	<1.22		1	20
N-Nitroso-di-n-Butylamine	<1.22		1	20
Nonylphenol	<36.4		1	333
Parathion (ethyl)	<0.0504		1	0.1
Pentachlorobenzene	<1.22		1	20
Pentachlorophenol	<1.22		1	5

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Phenanthrene	<1.22		1	10
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.2		1	0.2
Pyridine	<6.57		1	20
Selenium	<5		1	5
Silver	<0.5		1	0.5
1,2,4,5-Tetrachlorobenzene	<1.22		1	20
1,1,2,2-Tetrachloroethane	<5		1	10
Tetrachloroethylene	<5		1	10
Thallium	<1		1	0.5
Toluene	<5		1	10
Toxaphene	<0.201		1	0.3
2,4,5-TP (Silvex)	<0.288		1	0.3
Tributyltin (see instructions for explanation)	<0.007		1	0.01
1,1,1-Trichloroethane	<5		1	10
1,1,2-Trichloroethane	<5		1	10
Trichloroethylene	<5		1	10
2,4,5-Trichlorophenol	<1.22		1	50
TTHM (Total Trihalomethanes)	<5		1	10
Vinyl Chloride	<5		1	10
Zinc	41.5		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: 03/03/2025

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	<3		1	5
Arsenic	2.03		1	0.5
Beryllium	<0.5		1	0.5
Cadmium	<1		1	1
Chromium (Total)	1.77		1	3
Chromium (Hex)	<3		1	3
Chromium (Tri) **(*1)**	<3		1	N/A
Copper	14.6		1	2
Lead	<1		1	0.5
Mercury	<0.00426		1	0.005
Nickel	2.81		1	2
Selenium	<5		1	5
Silver	<0.5		1	0.5
Thallium	<1		1	0.5
Zinc	41.5		1	5
Cyanide **(*2)**	<5		1	10
Phenols, Total	<1.82		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	<20		1	50
Acrylonitrile	<5		1	50
Benzene	<5		1	10
Bromoform	<5		1	10
Carbon Tetrachloride	<0.002		1	2
Chlorobenzene	<5		1	10
Chlorodibromomethane			1	10
Chloroethane	<5.6		1	50
2-Chloroethylvinyl Ether	<5		1	10
Chloroform	<5		1	10
Dichlorobromomethane [Bromodichloromethane]	<5		1	10
1,1-Dichloroethane	<5		1	10
1,2-Dichloroethane	<5		1	10
1,1-Dichloroethylene	<5		1	10
1,2-Dichloropropane	<5		1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<5		1	10
1,2-Trans-Dichloroethylene	<5		1	10
Ethylbenzene	<5		1	10
Methyl Bromide	<5		1	50
Methyl Chloride	<5		1	50
Methylene Chloride			1	20
1,1,2,2-Tetrachloroethane	<5		1	10
Tetrachloroethylene	<5		1	10
Toluene	<5		1	10
1,1,1-Trichloroethane	<5		1	10
1,1,2-Trichloroethane	<5		1	10
Trichloroethylene	<5		1	10
Vinyl Chloride	<5		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	<1.22		1	10
2,4-Dichlorophenol	<1.22		1	10
2,4-Dimethylphenol	<2.92		1	10
4,6-Dinitro-o-Cresol			1	50
2,4-Dinitrophenol	<10.9		1	50
2-Nitrophenol	<1.22		1	20
4-Nitrophenol	<1.22		1	50
P-Chloro-m-Cresol	<2.92		1	10
Pentalchlorophenol	<1.22		1	5
Phenol	<1.82		1	10
2,4,6-Trichlorophenol	<1.22		1	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	<1.22		1	10
Acenaphthylene	<1.22		1	10
Anthracene	<1.22		1	10
Benzidine	<24.3		1	50
Benzo(a)Anthracene	<1.22		1	5
Benzo(a)Pyrene	<1.22		1	5
3,4-Benzofluoranthene	<1.22		1	10
Benzo(ghi)Perylene	<1.22		1	20
Benzo(k)Fluoranthene	<1.22		1	5
Bis(2-Chloroethoxy)Methane	<1.22		1	10
Bis(2-Chloroethyl)Ether	<1.22		1	10
Bis(2-Chloroisopropyl)Ether	<1.22		1	10
Bis(2-Ethylhexyl)Phthalate	<9.12		1	10
4-Bromophenyl Phenyl Ether	<1.22		1	10
Butyl benzyl Phthalate	<9.12		1	10
2-Chloronaphthalene	<1.22		1	10
4-Chlorophenyl phenyl ether	<1.22		1	10
Chrysene	<1.22		1	5
Dibenzo(a,h)Anthracene	<1.22		1	5
1,2-(o)Dichlorobenzene	<5		1	10
1,3-(m)Dichlorobenzene	<5		1	10
1,4-(p)Dichlorobenzene	<5		1	10
3,3-Dichlorobenzidine	<6.08		1	5
Diethyl Phthalate	<6.93		1	10
Dimethyl Phthalate	<5.84		1	10
Di-n-Butyl Phthalate	<9.12		1	10
2,4-Dinitrotoluene	<4.26		1	10
2,6-Dinitrotoluene	<1.22		1	10
Di-n-Octyl Phthalate	<1.22		1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<1.22		1	20
Fluoranthene	<1.22		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<1.22		1	10
Hexachlorobenzene	<1.22		1	5
Hexachlorobutadiene	<1.22		1	10
Hexachlorocyclo-pentadiene	<10.9		1	10
Hexachloroethane	<1.22		1	20
Indeno(1,2,3-cd)pyrene	<1.22		1	5
Isophorone	<1.22		1	10
Naphthalene	<1.22		1	10
Nitrobenzene	<1.22		1	10
N-Nitrosodimethylamine	<8.52		1	50
N-Nitrosodi-n-Propylamine	<1.22		1	20
N-Nitrosodiphenylamine	<1.22		1	20
Phenanthrene	<1.22		1	10
Pyrene	<1.22		1	10
1,2,4-Trichlorobenzene	<1.22		1	10

Table 4.0(2)E – Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	<0.01		1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.0101		1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.0101		1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.0101		1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.0101		1	0.05
Chlordane	<0.2		1	0.2
4,4-DDT	<0.0101		1	0.02
4,4-DDE	<0.0101		1	0.1
4,4,-DDD	<0.0101		1	0.1
Dieldrin	<0.0101		1	0.02
Endosulfan I (alpha)	<0.00001		1	0.01
Endosulfan II (beta)	<0.0101		1	0.02
Endosulfan Sulfate	<0.0101		1	0.1
Endrin	<0.0101		1	0.02
Endrin Aldehyde	<0.0101		1	0.1
Heptachlor	<0.01		1	0.01
Heptachlor Epoxide	<0.00001		1	0.01
PCB-1242	<0.2		1	0.2
PCB-1254	<0.2		1	0.2
PCB-1221	<0.2		1	0.2
PCB-1232	<0.2		1	0.2
PCB-1248	<0.2		1	0.2
PCB-1260	<0.2		1	0.2
PCB-1016	<0.2		1	0.2
Toxaphene	<0.201		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.

None

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.

N/A

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

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

Grab ☐ Composite ☐

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

Table 4.0(2)F – Dioxin/Furan Compounds

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 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: 18

48-hour Acute: 8

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 of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal

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: 1

Average Daily Flows, in MGD: 0.000033

Significant IUs – non-categorical:

Number of IUs: 8

Average Daily Flows, in MGD: 0.70

Other IUs:

Number of IUs: N/A

Average Daily Flows, in MGD: N/A

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.

N/A

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.

N/A

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.

N/A

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☐ No

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

N/A

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

A. General information

Company Name: Texas Department of Criminal Justice

SIC Code: 9223

Contact name: Paul Torres, Maintenance Supervisor

Address: 1201 E. Cibolo Road

City, State, and Zip Code: Edinburg, Texas 78539

Telephone number: 956-316-2400

Email address: Click to enter text.

B. Process information

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

Services related to a correctional institution.

C. Product and service information

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

Detention services.

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 187,000

Discharge Type: ☐ Continuous ☒ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: Amaida Machine Shop, LLC

SIC Code: 3599

Contact name: Norma Torres

Address: 919 N. 10th Ave., Ste. "C"

City, State, and Zip Code: Edinburg, Texas 78541

Telephone number: 956-287-8824

Email address: Click to enter text.

B. Process information

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

Machine shop, jobbing, and repair

C. Product and service information

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

Manufacture parts from steel

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: 100 gallons per month

Discharge Type: ☐ Continuous ☐ Batch ☒ Intermittent

Non-Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: Azteca Milling

SIC Code: 2041

Contact name: Gerardo Solis, Plant Manager

Address: 501 W. Chapin Road

City, State, and Zip Code: Edinburg, Texas 78541

Telephone number: 956-383-4911

Email address: Click to enter text.

B. Process information

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

Flour Milling

C. Product and service information

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

Flour and other grain mill products

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 5,000

Discharge Type: ☒ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: Calpine Energy

SIC Code: 4911

Contact name: Rene Pena

Address: 4005 North Seminary Road

City, State, and Zip Code: Edinburg, Texas 78541

Telephone number: 956-587-3207

Email address: Click to enter text.

B. Process information

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

Processes associated with natural gas fired power plants

C. Product and service information

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

Electrical Services

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 67,000

Discharge Type: ☒ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: Edinburg Regional Medical

SIC Code: 8062

Contact name: Jonathan Larraga, Director of Facilities Manager

Address: 1102 Trenton Road

City, State, and Zip Code: Edinburg, Texas 78539

Telephone number: 956-289-5311

Email address: Click to enter text.

B. Process information

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

Hospital having patient care and emergency medical services

C. Product and service information

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

Health care services

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 22,000

Discharge Type: ☒ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: Doctor's Hospital

SIC Code: 8062

Contact name: Click to enter text.

Address: 5501 S. McColl Road

City, State, and Zip Code: Edinburg, Texas 78539

Telephone number: 956-362-7930

Email address: Click to enter text.

B. Process information

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

Hospital providing patient care, emergency services, and surgical procedures

C. Product and service information

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

Health care services

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 140,000

Discharge Type: ☒ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: International Paper

SIC Code: 2657

Contact name: Ted Gonzalez

Address: 1501 N. Closner

City, State, and Zip Code: Edinburg, Texas 78541

Telephone number: 956-385-3632

Email address: Click to enter text.

B. Process information

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

Manufacturer of corrugated paper boards that are converted into paper boxes

C. Product and service information

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

Corrugated boxes

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 39,000

Discharge Type: ☒ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

A. General information

Company Name: UTRGV – University of Texas Rio Grande Valley

SIC Code: 8331

Contact name: David Ortega, Asst. Dir. Of Energy Management

Address: 1201 W. University Dr.

City, State, and Zip Code: Edinburg, Texas 78539

Telephone number: 956-665-2747

Email address: Click to enter text.

B. Process information

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

Instructional classrooms, labs, extracurricular activities, dormitories, cafeterias, and other facilities typical to a university campus

C. Product and service information

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

Furnishing academic courses and granting academic degrees

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: 91,032

Discharge Type: ☒ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

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

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

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

Project
1133683

EDI1-R

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

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13:37

TABLE OF CONTENTS

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Email: Kilgore.ProjectManagement@spllabs.com

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SAMPLE CROSS REFERENCE

Project
1133683

Printed 2/12/2025 Page 1 of 1
PERMIT

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2375758	*Effluent Permit Renewal*	01/21/2025	10:00:00	01/24/2025

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-Cl G-2011		1157734	01/21/2025	1157734	01/21/2025
SM 4500-O G-2016		1157735	01/21/2025	1157735	01/21/2025
Subcontract			01/21/2025		01/21/2025

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RESULTS

Sample Results

2375758 **Effluent Permit Renewal** City of Edinburg WWTP Received: 01/24/2025

Non-Potable Water Collected by: FG3 SPL Kilgore PO: 259565

Taken: 01/21/2025 10:00:00

SM 4500-Cl G-2011 Prepared: 1157734 01/21/2025 10:05:00 Analyzed 1157734 01/21/2025 10:05:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	<0.05	mg/L	0.05			

SM 4500-O G-2016 Prepared: 1157735 01/21/2025 10:02:00 Analyzed 1157735 01/21/2025 10:02:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen Onsite	6.9	mg/L	1.0			

Subcontract Prepared: 01/21/2025 14:12:00 Analyzed 01/21/2025 14:12:00 SUB

Parameter	Results	Units	RL	Flags	CAS	Bottle
MPN, E.coli, Coli-18 - WW sub	See Attached				CCWU	

Subcontract Prepared: 01/21/2025 14:41:00 Analyzed 01/21/2025 14:41:00 SUB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Enterococci Subcontract	See Attached				ABL2	

Sample Preparation

2375758 **Effluent Permit Renewal** City of Edinburg WWTP Received: 01/24/2025

259565

01/21/2025

Prepared: 01/24/2025 16:01:21 Calculated 01/24/2025 16:01:21 CAL

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Printed: 02/12/2025

2375758	**Effluent Permit Renewal**	City of Edinburg WWTP	*Received:*	01/24/2025
				259565
		01/21/2025		

Prepared:	*01/24/2025*	*16:01:21*	*Calculated*	*01/24/2025*	*16:01:21*	*CAL*

z **SUB Shipped** **Verified**

Qualifiers:

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

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Arturo Martinez
Wastewater Plant
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Printed 02/12/2025

Analytical Set 1157734 — SM 4500-Cl G-2011

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	2375758	0.00	0.00	mg/L		20
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	2375803	0.00	0.00	mg/L		20

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1157734	0.230	0.220	mg/L	104.5	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1157734	0.950	0.930	mg/L	102.2	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1157734	1.54	1.58	mg/L	97.5	90 - 110	

Analytical Set 1157735 — SM 4500-O G-2016

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Dissolved Oxygen Onsite	2375758	6.9	6.9	mg/L		20
Dissolved Oxygen Onsite	2375803	6.4	6.6	mg/L	3.1	20

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

Recover% is Recovery Percent: result / known * 100%

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1133683 CoC Print Group 001 of 001

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P-UP FEE $ 0.00 TT
SUB:
ALL CLIENT COCs ON SINGLE PROJECT? YES NO

CHAIN OF CUSTODY

Printed 01/21/2025 Page 1 of 2

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539

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112

Lab Number 2376758
PO Number 259565 Mandatory
Phone 956/292-2045

Effluent Permit Renewal

City of Edinburg WWTP

☐ *Hand Delivered by Client to Region or LAB*

Matrix: Non-Potable Water

Sample Collection Start
Date: 1-21-25 Time: 10:00

Sampler Printed Name: Frank Gamez III - SPL, Inc.

Sampler Affiliation:

Sampler Signature:

* ERGV & ENTC sent to Sub Lab See attachment jmz

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

0 On Site Testing

NELAC	Cl2O	Cl2 Res.,Total(Onsite)Spec Mid	SM 4500-Cl G-2011

Cl2 Res.,Total(Onsite)Spec Mid

Collected By FG3 Date 1-21-25 Time 10:00 Analyzed By FG3 Date 1-21-25 Time 10:05

Results 0.00 Units MG/L Temp. 15.9 C Duplicate 0.00 Units MG/L Temp. 16.2 C

R1 0.00 R2 0.00 QC R1 0.00 QC R2 0.00

NELAC Short Hold	DO	Dissolved Oxygen Onsite	SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen Onsite

Collected By FG3 Date 1-21-25 Time 10:00 Analyzed By FG3 Date 1-21-25 Time 10:02

Results 6.92 Units MG/L Temp. 15.9 C Duplicate 6.91 Units MG/L Temp. 16.2 C

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CHAIN OF CUSTODY

Printed 01/21/2025 Page 2 of 2

City of Edinburg
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2 Na2S2O3 (0.008%) Polystyrene-100 mL Sterilized

Short HoldSubc	ENTC	Enterococci Subcontract	Subcontract CAS:ABL2 (0.347 days)
Subcontract	ERGV	MPN, E.coli, Coli-18 - WW sub	Subcontract CAS:CCWU

Ambient Conditions/Comments

Date	Time	Relinquished		Received	
	17:30	Printed Name: Frank Gomez III - SPL, Inc.	Affiliation	Printed Name: Fedex	Affiliation
		Signature		Signature	
1/21/25	10:35	Printed Name	Affiliation	Printed Name: McCabe Wheeler SPL, Inc.	Affiliation
		Signature: FEDEX		Signature: MCW	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	
		Printed Name	Affiliation	Printed Name	Affiliation
		Signature		Signature	

Sample Received on Ice? ☐ Yes ☐ No
Cooler/Sample Secure? ☐ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

1133683 CoC Print Group 001 of 001

CHAIN OF CUSTODY RECORD

Client Name: SPL LABS
Address: 2600 Dudley Rd.
City: Kilgore State: TX Zip: 75662
Phone: (903) 984 - 0551 Fax: (903) 984 - 5914

Send Email report to: kilgore.projectmanagement.spllabs.com
cc: joel.manjarrez@spllabs.com

City of Corpus Christi

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

EDI1
R-112

Sampler: (PLEASE PRINT) Frank Gamez III - SPL, Inc.

Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other-Specify	Residual Chlorine: Total mg/L ☑ / Free mg/L ☐	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other *
1 Effluent Permit Renewal		1-21-25	10:00	X					X			X			0.00															X		
2 Effluent Permit Renewal		1-21-25	10:00	X					X			X			0.00																X	
3																																
4																																
5																																
6																																

Relinquished By: Frank Gamez	Date: 1-21-25	Time: 11:20	Special Instructions/Comments:
Received By: R DE LEON	Date: 1/21/25	Time: 11:20	Other * -
Relinquished By: R. DE LEON	Date: 1/21/25	Time: 13:22	
Received By: [signature]	Date: 1/21/25	Time: 1322	
Relinquished By:	Date:	Time:	***** For Laboratory Use Only *****
Received By:	Date:	Time:	Sample(s) on ice: (YES) NO — pH Strip Lot/ ID:
Relinquished By:	Date:	Time:	Receiving Temp (°C): 2.4 — pH < 2? YES NO Line(s) #:
Received By:	Date:	Time:	Corrected Temp (°C): 2.4 — Data Flag(s):
			Temp. Device ID: B

WHITE (ORIGINAL) – Lab Copy YELLOW – Submitter Copy

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10:10

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SAMPLE CROSS REFERENCE

Project
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City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2373723	*Effluent Permit*	01/16/2025	12:30:00	01/17/2025

Bottle 01 Polyethylene 1/2 gal (White)
Bottle 02 Polyethylene Quart
Bottle 03 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 04 HNO3 to pH <2 Polyethylene 250 mL for Metals
Bottle 05 8 oz Plastic H2SO4 pH < 2
Bottle 06 BOD Titration Beaker A (Batch 1156767) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 07 BOD Analytical Beaker B (Batch 1156767) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 08 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1156837) Volume: 6.00000 mL <== Derived from 05 (6 ml)
Bottle 09 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156851) Volume: 20.00000 mL <== Derived from 05 (20 ml)
Bottle 10 Prepared Bottle: ICP Preparation for Metals (Batch 1156860) Volume: 50.00000 mL <== Derived from 04 (50 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1157328	01/21/2025	1157328	01/21/2025
EPA 300.0 2.1	01	1156944	01/17/2025	1156944	01/17/2025
EPA 200.7 4.4	10	1156860	01/20/2025	1156976	01/20/2025
SM 2320 B-2011	02	1157713	01/24/2025	1157713	01/24/2025
SM 5210 B-2016 (TCMP Inhibitor)	01	1156767	01/23/2025	1156767	01/23/2025
SM 2510 B-2011	01	1157035	01/21/2025	1157035	01/21/2025
EPA 1664B (HEM)	03	1158212	01/28/2025	1158212	01/28/2025
EPA 350.1 2	08	1156837	01/20/2025	1157572	01/23/2025
SM 2540 C-2015	02	1157726	01/22/2025	1157726	01/22/2025
EPA 351.2 2	09	1156851	01/20/2025	1157073	01/21/2025
SM 2540 D-2015	01	1157272	01/21/2025	1157272	01/21/2025
SM 4500-H+ B-2011		1156666	01/16/2025	1156666	01/16/2025

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259565

RESULTS

Sample Results

2373723 **Effluent Permit** Edinburg WWTP Received: 01/17/2025

Non-Potable Water Collected by: FG3 SPL Kilgore PO: 259565

Taken: 01/16/2025 12:30:00

Prepared: 01/17/2025 12:31:21 Calculated 01/17/2025 12:31:21 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Pickup/Sampling/Transport**	**Verified**					

EPA 1664B (HEM) Prepared: 1158212 01/28/2025 08:09:00 Analyzed 1158212 01/28/2025 08:09:00 MAX

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Oil and Grease (HEM)**	**6.98**	**mg/L**	4.65			03

EPA 200.7 4.4 Prepared: 1156860 01/20/2025 07:30:00 Analyzed 1156976 01/20/2025 14:07:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phosphorus**	**5.85**	**mg/L**	0.040		**7723-14-0**	10

EPA 300.0 2.1 Prepared: 1156944 01/17/2025 18:26:00 Analyzed 1156944 01/17/2025 18:26:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Nitrate-Nitrogen Total**	**1.97**	**mg/L**	0.226		**14797-55-8**	01

EPA 300.0 2.1 Prepared: 1157328 01/21/2025 17:21:00 Analyzed 1157328 01/21/2025 17:21:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Chloride**	**316**	**mg/L**	30.0			01
NELAC	**Sulfate**	**338**	**mg/L**	30.0			01

EPA 350.1 2 Prepared: 1156837 01/20/2025 07:24:36 Analyzed 1157572 01/23/2025 11:43:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Ammonia Nitrogen**	**35.3**	**mg/L**	0.500			08

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Edinburg, TX 78539-

Project
1132875

Printed: 01/29/2025

2373723 **Effluent Permit** Edinburg WWTP Received: 01/17/2025

Non-Potable Water Collected by: FG3 SPL Kilgore PO: 259565
Taken: 01/16/2025 12:30:00

EPA 351.2 2 Prepared: 1156851 01/20/2025 08:51:33 Analyzed 1157073 01/21/2025 07:34:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Kjeldahl Nitrogen**	**38.9**	**mg/L**	0.500		**7727-37-9**	09

SM 2320 B-2011 Prepared: 1157713 01/24/2025 09:37:00 Analyzed 1157713 01/24/2025 09:37:00 KN1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Alkalinity (as CaCO3)**	**277**	**mg/L**	1.00			02

SM 2510 B-2011 Prepared: 1157035 01/21/2025 09:10:00 Analyzed 1157035 01/21/2025 09:10:00 JMJ

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Lab Spec. Conductance at 25 C**	**2170**	**umhos/cm**				01

SM 2540 C-2015 Prepared: 1157726 01/22/2025 11:10:00 Analyzed 1157726 01/22/2025 11:10:00 JMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Dissolved Solids**	**1380**	**mg/L**	50.0			02

SM 2540 D-2015 Prepared: 1157272 01/21/2025 14:25:00 Analyzed 1157272 01/21/2025 14:25:00 ADR

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Suspended Solids**	**274**	**mg/L**	40.0			01

SM 4500-H+ B-2011 Prepared: 1156666 01/16/2025 12:33:00 Analyzed 1156666 01/16/2025 12:33:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**pH (Onsite)**	**7.7**	**SU**				

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1156767 01/18/2025 Analyzed 1156767 01/23/2025 12:27:19 JW1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**BOD Carbonaceous**	**31.3**	**mg/L**	3.00	BX		01

Sample Preparation

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2373723 **Effluent Permit** Edinburg WWTP Received: 01/17/2025

259565

01/16/2025

			Prepared:		01/17/2025	13:01:29	Calculated	01/17/2025	13:01:29 CAL
z	**Enviro Fee (per Sampling Group)**	**Verified**							
	EPA 1664B (HEM)		Prepared:	1158060	01/28/2025	08:09:00	Analyzed 1158060	01/28/2025	08:09:00 MAX
NELAC	**O&G HEM Started**	**Started**							
	EPA 200.2 2.8		Prepared:	1156860	01/20/2025	07:30:00	Analyzed 1156860	01/20/2025	07:30:00 HLT
z	**Liquid Metals Digestion**	**50/50**	**ml**						04
	EPA 350.1, Rev. 2.0		Prepared:	1156837	01/20/2025	07:24:36	Analyzed 1156837	01/20/2025	07:24:36 MEG
NELAC	**Ammonia Distillation**	**6/6**	**ml**						05
	EPA 351.2, Rev 2.0		Prepared:	1156851	01/20/2025	08:51:33	Analyzed 1156851	01/20/2025	08:51:33 MEG
NELAC	**TKN Block Digestion**	**20/20**	**ml**						05
	SM 2540 C-2015		Prepared:	1157261	01/22/2025	11:10:00	Analyzed 1157261	01/22/2025	11:10:00 JMB
NELAC	**Total Dissolved Solids Started**	**Started**							
	SM 2540 D-2011		Prepared:	1154079	01/21/2025	14:25:00	Analyzed 1154079	01/21/2025	14:25:00 ADR
NELAC	**TSS Set Started**	**Started**							

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Printed: 01/29/2025

2373723 **Effluent Permit** Edinburg WWTP Received: 01/17/2025

259565

01/16/2025

SM 5210 B-2016 (TCMP Inhibitor) *Prepared:* *1156767* *01/18/2025* *Analyzed* *1156767* *01/18/2025* *06:29:41* *JW1*

NELAC **BODc Set Started** **Started**

Qualifiers:

B - Analyte detected in the associated method blank

X - Standard reads higher than desired.

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

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Analytical Set 1156767 — SM 5210 B-2016 (TCMP Inhibitor)

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		File
BOD Carbonaceous	1156767	0.6	0.200	0.500	mg/L	*	127226817

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
BOD Carbonaceous	2373652	11.4	12.0	mg/L	5.13	30.0
BOD Carbonaceous	2373757	4.01	3.89	mg/L	3.04	30.0

Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units		File
BOD Carbonaceous	1156767	0.537	0.200	0.500	mg/L		127226819

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%		File
BOD Carbonaceous		242	198	mg/L	122	83.7 - 116	*	127226820

Analytical Set 1157073 — EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		File
Total Kjeldahl Nitrogen	1156851	ND	0.00712	0.050	mg/L		127235596

CCV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Total Kjeldahl Nitrogen	5.37	5.00	mg/L	107	90.0 - 110		127235585
Total Kjeldahl Nitrogen	5.38	5.00	mg/L	108	90.0 - 110		127235586
Total Kjeldahl Nitrogen	5.40	5.00	mg/L	108	90.0 - 110		127235589
Total Kjeldahl Nitrogen	5.39	5.00	mg/L	108	90.0 - 110		127235599
Total Kjeldahl Nitrogen	5.39	5.00	mg/L	108	90.0 - 110		127235609
Total Kjeldahl Nitrogen	5.44	5.00	mg/L	109	90.0 - 110		127235617
Total Kjeldahl Nitrogen	5.40	5.00	mg/L	108	90.0 - 110		127235625

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2373033	ND	ND	mg/L		20.0
Total Kjeldahl Nitrogen	2373100	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%		File
Total Kjeldahl Nitrogen	5.42	5.00	mg/L	108	90.0 - 110		127235584

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1156851	4.59	4.76	5.00	90.0 - 110	91.8	95.2	mg/L	3.64	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Kjeldahl Nitrogen	2373033	4.48	ND	5.00	mg/L	89.6	80.0 - 120	127235602

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Mat. Spike

Parameter	*Sample*	*Spike*	*Unknown*	*Known*	*Units*	*Recovery %*	*Limits %*	*File*
Total Kjeldahl Nitrogen	2373100	4.24	ND	5.00	mg/L	84.8	80.0 - 120	127235605

Analytical Set 1157572 — EPA 350.1 2

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Ammonia Nitrogen	1156837	0.004	0.00336	0.020	mg/L	127243817

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Ammonia Nitrogen	2.20	2.00	mg/L	110	90.0 - 110	127243796
Ammonia Nitrogen	2.14	2.00	mg/L	107	90.0 - 110	127243805
Ammonia Nitrogen	2.14	2.00	mg/L	107	90.0 - 110	127243810
Ammonia Nitrogen	2.11	2.00	mg/L	106	90.0 - 110	127243819
Ammonia Nitrogen	2.10	2.00	mg/L	105	90.0 - 110	127243825
Ammonia Nitrogen	2.08	2.00	mg/L	104	90.0 - 110	127243833
Ammonia Nitrogen	2.18	2.00	mg/L	109	90.0 - 110	127243843
Ammonia Nitrogen	2.17	2.00	mg/L	108	90.0 - 110	127243852

Duplicate

Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*	*Limit%*
Ammonia Nitrogen	2373637	0.087	0.080	mg/L	8.38	20.0

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Ammonia Nitrogen	2.14	2.00	mg/L	107	90.0 - 110	127243795

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Ammonia Nitrogen	1156837	2.11	1.91	2.00	90.0 - 110	106	95.5	mg/L	9.95	20.0

Mat. Spike

Parameter	*Sample*	*Spike*	*Unknown*	*Known*	*Units*	*Recovery %*	*Limits %*	*File*
Ammonia Nitrogen	2373637	2.01	0.080	2.00	mg/L	96.5	80.0 - 120	127243823

Analytical Set 1156666 — SM 4500-H+ B-2011

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
pH (Onsite)	6.1	6.0	SU	101.7	90 - 110	
pH (Onsite)	6.1	6.0	SU	101.7	90 - 110	

Standard

Parameter	*Sample*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
pH (Onsite)	1156666	8.1	8.0	SU	101.3	90 - 110	
pH (Onsite)	1156666	8.1	8.0	SU	101.3	90 - 110	

Analytical Set 1157272 — SM 2540 D-2015

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1157272	ND	2	2	mg/L	127239040

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1157272	-0.0002			grams	127239039

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2373660	5480	5640	mg/L	2.88	20.0
Total Suspended Solids	2373708	380	390	mg/L	2.60	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1157272	50.0	50.0	mg/L	100	90.0 - 110	127239058

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		96.0	100	mg/L	96.0	90.0 - 110	127239057

Analytical Set 1157726 — SM 2540 C-2015

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1157726	5.00	5.00	5.00	mg/L	127247798

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1157726	0.0001			grams	127247785

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Dissolved Solids	2373723	1210	1380	mg/L	13.1	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Dissolved Solids	1157726	196	200	mg/L	98.0	85.0 - 115	127247799

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Dissolved Solids		100	100	mg/L	100	90.0 - 110	127247786

Analytical Set 1158212 — EPA 1664B (HEM)

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1158212	ND	0.804	4.00	mg/L	127257967

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1158212	0.0005			grams	127257966

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ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1158212	0.0005			grams	127257991

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Oil and Grease (HEM)	1158212	34.1	40.0	mg/L	85.2	78.0 - 114	127257968

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Oil and Grease (HEM)	2374281	35.4	0	1.24	40.0	78.0 - 114	88.5		mg/L		20.0

Analytical Set 1156944 — EPA 300.0 2.1

AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nitrate-Nitrogen Total	0.0275	0.0226	mg/L	122	70.0 - 130	127231985

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nitrate-Nitrogen Total	1156944	0.0203	0.00331	0.0226	mg/L	127231986

CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nitrate-Nitrogen Total	1156944	0.0131	0.00331	0.0226	mg/L	127231982
Nitrate-Nitrogen Total	1156944	0.00745	0.00331	0.0226	mg/L	127232002
Nitrate-Nitrogen Total	1156944	0.00745	0.00331	0.0226	mg/L	127232014

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nitrate-Nitrogen Total	2.21	2.26	mg/L	97.8	90.0 - 110	127231981
Nitrate-Nitrogen Total	2.16	2.26	mg/L	95.6	90.0 - 110	127232001
Nitrate-Nitrogen Total	2.16	2.26	mg/L	95.6	90.0 - 110	127232013

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nitrate-Nitrogen Total	1156944	1.06	1.02	1.13	86.3 - 117	93.8	90.3	mg/L	3.85	20.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Nitrate-Nitrogen Total	2372956	21.7		5.19	22.6	80.0 - 120	73.1 *		mg/L		20.0
Nitrate-Nitrogen Total	2372956	22.9		5.19	22.6	80.0 - 120	78.4 *		mg/L		20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Nitrate-Nitrogen Total	2373601	2.14	2.26	0.079	2.26	80.0 - 120	91.2	96.5	mg/L	5.66	20.0

Analytical Set 1157328 — EPA 300.0 2.1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File

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Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Chloride	1157328	0.169	0.0593	0.300	mg/L	127239925
Sulfate	1157328	ND	0.0605	0.300	mg/L	127239925

CCB

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Chloride	1157328	0.097	0.0593	0.300	mg/L	127239921
Chloride	1157328	0	0.0593	0.300	mg/L	127239941
Chloride	1157328	0.094	0.0593	0.300	mg/L	127239953
Sulfate	1157328	0	0.0605	0.300	mg/L	127239921
Sulfate	1157328	0	0.0605	0.300	mg/L	127239941
Sulfate	1157328	0	0.0605	0.300	mg/L	127239953

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Chloride	10.2	10.0	mg/L	102	90.0 - 110	127239920
Chloride	9.99	10.0	mg/L	99.9	90.0 - 110	127239940
Chloride	10.2	10.0	mg/L	102	90.0 - 110	127239952
Sulfate	9.26	10.0	mg/L	92.6	90.0 - 110	127239920
Sulfate	9.99	10.0	mg/L	99.9	90.0 - 110	127239940
Sulfate	9.24	10.0	mg/L	92.4	90.0 - 110	127239952

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Chloride	1157328	4.98	5.08	5.00	85.0 - 115	99.6	102	mg/L	1.99	20.0
Sulfate	1157328	5.32	5.43	5.00	85.4 - 124	106	109	mg/L	2.05	20.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Chloride	2374312	73.9	70.1	63.2	10.0	80.0 - 120	107	69.0 *	mg/L	43.2 *	20.0
Sulfate	2374312	61.3	57.8	51.0	10.0	80.0 - 120	103	68.0 *	mg/L	40.9 *	20.0
Chloride	2374313	73.3	73.9	63.8	10.0	80.0 - 120	95.0	101	mg/L	6.12	20.0
Sulfate	2374313	61.7	62.1	50.6	10.0	80.0 - 120	111	115	mg/L	3.54	20.0

Analytical Set 1156976 — EPA 200.7 4.4

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Phosphorus	1156860	ND	0.0353	0.040	mg/L	127232940

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Phosphorus	1.04	1.00	mg/L	104	90.0 - 110	127232914
Phosphorus	1.04	1.00	mg/L	104	90.0 - 110	127232915
Phosphorus	1.07	1.00	mg/L	107	90.0 - 110	127232924
Phosphorus	1.08	1.00	mg/L	108	90.0 - 110	127232934
Phosphorus	1.08	1.00	mg/L	108	90.0 - 110	127232944
Phosphorus	1.10	1.00	mg/L	110	90.0 - 110	127232952

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ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	24.8	25.0	mg/L	99.2	95.0 - 105	127232912

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	1.02	1.00	mg/L	102	90.0 - 110	127232913

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phosphorus	1156860	4.25	4.13	4.00	85.0 - 115	106	103	mg/L	2.86	25.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Phosphorus	2372270	4.29	4.16	ND	4.00	75.0 - 125	107	104	mg/L	3.08	25.0

Analytical Set 1157035 — SM 2510 B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Lab Spec. Conductance at 25 C	1157035	0.769			umhos/cm	127234765

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Lab Spec. Conductance at 25 C	2373723	2090	2170	umhos/cm	3.76	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Lab Spec. Conductance at 25 C	13300	12900	umhos/cm	103	90.0 - 110	127234768

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Lab Spec. Conductance at 25 C	1157035	1410	1410	umhos/cm	100	90.0 - 110	127234766
Lab Spec. Conductance at 25 C	1157035	98.0	100	umhos/cm	98.0	90.0 - 110	127234767
Lab Spec. Conductance at 25 C	1157035	1420	1410	umhos/cm	101	90.0 - 110	127234772

Analytical Set 1157713 — SM 2320 B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Alkalinity (as CaCO3)	1157713	ND	1.00	1.00	mg/L	127247649

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO3)	27.1	25.0	mg/L	108	90.0 - 110	127247648
Total Alkalinity (as CaCO3)	27.1	25.0	mg/L	108	90.0 - 110	127247662
Total Alkalinity (as CaCO3)	27.1	25.0	mg/L	108	90.0 - 110	127247675

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Alkalinity (as CaCO3)	2374365	148	158	mg/L	6.54	20.0

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Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Alkalinity (as CaCO3)	2374375	362	350	mg/L	3.37	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO3)	27.1	25.0	mg/L	108	90.0 - 110	127247647

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Total Alkalinity (as CaCO3)	2374365	172	158	25.0	mg/L	56.0	70.0 - 130	127247652	*
Total Alkalinity (as CaCO3)	2374375	375	350	25.0	mg/L	100	70.0 - 130	127247665	

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

CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); 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); CCB - Continuing Calibration Blank; MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; ICV - Initial Calibration Verification; LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.)

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Lab Number 2373723
PO Number 259565 Mandatory
Phone 956/292-2045

Effluent Permit

Edinburg WWTP

☐ *Hand Delivered by Client to Region or LAB*

Matrix: Non-Potable Water

Sample Collection Start
Date: 1-16-25 Time: 12:30
Sampler Printed Name: Frank Gamez III - SPL, Inc.
Sampler Affiliation: _____
Sampler Signature: _____

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

[1] **On Site Testing**

NELAC **Short Hold**	**pH**	pH (Onsite)	SM 4500-H+ B-2011 (0.0104 days)

pH (Onsite)

Collected By FG3 Date 1-16-25 Time 12:30 Analyzed By FG3 Date 1-16-25 Time 12:33

Results 7.73 Units S.U Temp. 22.6 C Duplicate — Units — Temp. — C

---

[2] **H2SO4 to pH <2 GlQt w/Tef-lined lid**

NELAC	**HEM**	Oil and Grease (HEM)	EPA 1664B (HEM) (28.0 days)

[1] **Polyethylene 1/2 gal (White)**

NELAC **Short Hold**	**BODc**	BOD Carbonaceous	SM 5210 B-2016 (TCMP Inhibitor) (2.04 days)
NELAC	**TSS**	Total Suspended Solids	SM 2540 D-2015 (7.00 days)

[0] **Z -- No bottle required**

	P150	Pickup/Sampling/Transport

[1] **HNO3 to pH <2 Polyethylene 500 mL for Metals**

2600 Dudley Rd. Kilgore, Texas 75662
Office: 903-984-0551 * Fax: 903-984-5914

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CHAIN OF CUSTODY

Printed 01/13/2025 Page 2 of 2

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

EDI1-R
121

NELAC	***PI**	Phosphorus	EPA 200.7 4.4 CAS:7723-14-0 (180 days)
	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)

1 H2SO4 to pH <2 250 ml Polyethylene

NELAC	**NHaN**	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
NELAC	**TKN**	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)

1 Polyethylene Quart

NELAC	**!ClL**	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC **Short Hold**	**!N3L**	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC	**!S4L**	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC	**AlkT**	Total Alkalinity (as CaCO3)	SM 2320 B-2011 (14.0 days)
NELAC	**CONL**	Lab Spec. Conductance at 25 C	SM 2510 B-2011 (28.0 days)
NELAC	**TDS**	Total Dissolved Solids	SM 2540 C-2015 (7.00 days)

Ambient Conditions/Comments

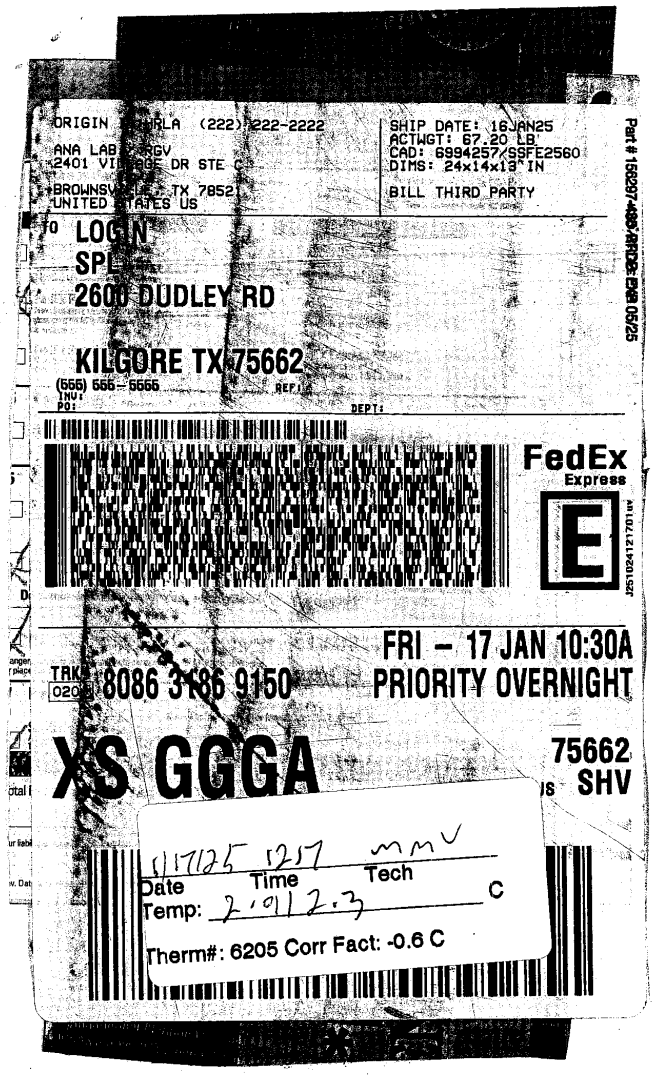
Date	Time	Relinquished	Received
1 16 25	17:30	*Printed Name* Frank Gamez III - SPL, Inc. *Affiliation*	*Printed Name* *Affiliation* Fedex
		Signature	*Signature*
1/17/25	1030	*Printed Name* *Affiliation*	*Printed Name* McCabe Wheeler SPL, Inc. *Affiliation*
		Signature FEDEX	*Signature*
		Printed Name *Affiliation*	*Printed Name* *Affiliation*
		Signature	*Signature*
		Printed Name *Affiliation*	*Printed Name* *Affiliation*
		Signature	*Signature*

Sample Received on Ice? ☒ *Yes* ☐ *No*
Cooler/Sample Secure? ☒ *Yes* ☐ *No* **If Shipped: Tracking Number & Temp - See Attached**

The accredited column designates accreditation by A - A2LA, N - NELAC, or 2 - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments

1132875 CoC Print Group 001 of 001



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

Analytical Report

Client Info SPL-INC
2600 Dudley Rd.
Kilgore, TX 75662

Phone: **EMAIL:** Kilgore.Projectmanagement@splla

Report# /Lab ID#: AC49476 **Report Date:** 1/22/25
Sample Name: EFFLUENT PERMIT RENEWAL
Date Received: 01/21/2025 **Time:** 13:22
Date Sampled: 01/21/2025 **Time:** 10:00

Parameter	Result	Unit	Flag	RL [5]	Date/Time Analyzed	Method	Analyst	Analysis Comments
Enterococci	>2419.6	MPN		1.0	1/21/25 14:41	Enterolert	FK	

Sample Comments:

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.
X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. **LA**=Lab accident. **LE**=Lab error. **OA**=Outside the scope of the lab's NELAC accreditation.
U=Unsuitable; sample turned turbid after incubation. **T**=Sample below temp requirement; not on ice. **EQ**=Equipment failure. **I**=Information on sample bottle and COC does not match.
S=Slow to filter; sample contains floc and/or large amount of residue on filter. **O**=Analysis performed by an outside NELAC accredited lab; **O^**=Analysis flagged by outside laboratory.
Z=Too many colonies present to provide a result (TNTC). **A**=Value reported is the mean of two or more determinations. **R**=Reagent water contamination suspected. **B**=Sample broken in transit.
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SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. **QB**=No QC data assigned to sample; sample result not affected.
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: SPL LABS
Address: 2600 Dudley Rd.
City: Kilgore State: TX Zip: 75662
Phone: (903) 984 - 0551 Fax: (903) 984 - 5914

Send Email report to: kilgore.projectmanagement.spllabs.com
cc: joel.manjarrez@spllabs.com

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City of Corpus Christi

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

NELAP ACCREDITED TNI LABORATORY

Sampler (PLEASE PRINT): Frank Gamez III - SPL, Inc.

	Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other - Specify	Residual Chlorine: Total mg/L ☑	Free mg/L ☐	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other *
1	Effluent Permit Renewal	AL49476	1-21-25	10:00	X					X			X			0.00																X		
2	Effluent Permit Renewal	AL49477	1-21-25	10:00	X					X			X			0.00																	X		
3																																			
4																																			
5																																			
6																																			

Relinquished By:	Frank Gamez III	Date: 1-21-25	Time: 11:20
Received By:	R. DE LEON	Date: 1/21/25	Time: 11:20
Relinquished By:	R. DE LEON	Date: 1/21/25	Time: 13:22
Received By:	[signature]	Date: 1/21/25	Time: 1322
Relinquished By:		Date:	Time:
Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Received By:		Date:	Time:

Special Instructions/Comments:
Other * -

***** For Laboratory Use Only *****

Sample(s) on ice: (YES) NO
Receiving Temp (°C): 2.4
Corrected Temp (°C): 2.4
pH Strip Lot/ ID:
pH < 2? YES NO Line(s) #:
Data Flag(s):

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

Analytical Report

Client Info SPL-INC
2600 Dudley Rd.
Kilgore, TX 75662

Phone: **EMAIL:** Kilgore.Projectmanagement@splla

Report# /Lab ID#: AC49477 **Report Date:** 1/22/25
Sample Name: EFFLUENT PERMIT RENEWAL
Date Received: 01/21/2025 **Time:** 13:22
Date Sampled: 01/21/2025 **Time:** 10:00

Parameter	Result	Unit	Flag	RL [5]	Date/Time Analyzed	Method	Analyst	Analysis Comments
E. coli (MPN)	>2419.6	MPN		1.0	1/21/25 14:12	SM 9223 B - Coli	FK	

Sample Comments:

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.

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CHAIN OF CUSTODY RECORD

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Send Email report to: kilgore.projectmanagement.spllabs.com
cc: joel.manjarrez@spllabs.com

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City of Corpus Christi

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

NELAP ACCREDITED TNI LABORATORY

Sampler (PLEASE PRINT): Frank Gamez III - SPL, Inc.

	Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other - Specify	Residual Chlorine: Total mg/L ☑	Free mg/L ☐	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other *
1	Effluent Permit Renewal	AL49476	1-21-25	10:00	X					X			X			0.00																X		
2	Effluent Permit Renewal	AL49477	1-21-25	10:00	X					X			X			0.00																	X		
3																																			
4																																			
5																																			
6																																			

Relinquished By:	Frank Gamez III	Date: 1-21-25	Time: 11:20
Received By:	R. DE LEON	Date: 1/21/25	Time: 11:20
Relinquished By:	R. DE LEON	Date: 1/21/25	Time: 13:22
Received By:	[signature]	Date: 1/21/25	Time: 1322
Relinquished By:		Date:	Time:
Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Received By:		Date:	Time:

Special Instructions/Comments:
Other * -

***** For Laboratory Use Only *****

Sample(s) on ice: (YES) NO
Receiving Temp (°C): 2.4
Corrected Temp (°C): 2.4
pH Strip Lot/ ID:
pH < 2? YES NO Line(s) #:
Data Flag(s):

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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1138186

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City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Printed 03/31/2025
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TABLE OF CONTENTS

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

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

SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	29	1163455	03/04/2025	1164970	03/08/2025

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
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Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
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Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
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Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 608.3	31	1163457	03/04/2025	1165568	03/08/2025

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
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Bottle 07 Amber 32 Oz
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Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 615	36	1164499	03/10/2025	1165611	03/13/2025

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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

SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 632	28	1163454	03/04/2025	1164751	03/11/2025

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SAMPLE CROSS REFERENCE

Project
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City of Edinburg
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Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
1613			03/13/2025		03/13/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1163699	03/05/2025	1163699	03/05/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 604.1	34	1164187	03/07/2025	1166849	03/10/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 617	29	1163455	03/04/2025	1164963	03/08/2025

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SAMPLE CROSS REFERENCE

Project
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City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
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Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
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Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
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Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 625.1	27	1163654	03/05/2025	1164739	03/10/2025

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SAMPLE CROSS REFERENCE

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City of Edinburg
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Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
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Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
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Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	10	1163603	03/04/2025	1163603	03/04/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 624.1	18	1164359	03/07/2025	1164359	03/07/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 614	30	1163456	03/04/2025	1165738	03/06/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
ASTM D7065-11	33	1164182	03/07/2025	1165176	03/11/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
TX 1001	35	1164497	03/10/2025	1166614	03/20/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	26	1163598	03/05/2025	1163801	03/06/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 245.7 2	37	1164893	03/12/2025	1165015	03/12/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 200.8 5.4	26	1163598	03/05/2025	1163897	03/06/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN^- G-2016			03/07/2025		03/07/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN^- G-2016	24	1163578	03/05/2025	1164176	03/07/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-CN^- E-2016	25	1163580	03/05/2025	1164169	03/07/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
Calculation			03/06/2025		03/06/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011	22	1163694	03/04/2025	1163694	03/04/2025

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SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
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Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 3500-Cr B-2011		1163569	03/03/2025	1163569	03/03/2025

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1

SAMPLE CROSS REFERENCE

Project
1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
Bottle 02 Amber 32 Oz
Bottle 03 Amber 32 Oz
Bottle 04 Amber 32 Oz
Bottle 05 Amber 32 Oz
Bottle 06 Amber 32 Oz
Bottle 07 Amber 32 Oz
Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 12 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 420.4 1	32	1163828	03/06/2025	1163987	03/06/2025

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2600 Dudley Rd. Kilgore, Texas 75662
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SAMPLE CROSS REFERENCE

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1138186

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Sample	Sample ID	Taken	Time	Received
2385920	*Effluent Permit Renewal*	03/03/2025	14:00:00	03/04/2025

Bottle 01 Amber 32 Oz
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Bottle 08 Amber 32 Oz
Bottle 09 Amber 32 Oz
Bottle 10 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
Bottle 11 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid
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Bottle 13 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 14 Polyethylene 250 mL unpres
Bottle 15 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
Bottle 16 16 oz HNO3 Metals Plastic
Bottle 17 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 18 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 19 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)
Bottle 20 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 21 NaOH to pH >12 Polyethylene 250 mL/amber
Bottle 22 Polyethylene Quart
Bottle 23 Client supplied HCl Clean Metals Bottle
Bottle 24 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163578) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 25 Prepared Bottle: CN TRAACS Autosampler Vial (Batch 1163580) Volume: 10.00000 mL <== Derived from 20 (5 ml)
Bottle 26 Prepared Bottle: ICP Preparation for Metals (Batch 1163598) Volume: 50.00000 mL <== Derived from 16 (50 ml)
Bottle 27 Prepared Bottle: 2 mL Autosampler Vial (Batch 1163654) Volume: 1.00000 mL <== Derived from 01 (822 ml)
Bottle 28 Prepared Bottle: 632L\632S 2 mL Autosampler Vial (Batch 1163454) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 29 Prepared Bottle: GCXL\GCXS 2 mL Autosampler Vial (Batch 1163455) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 30 Prepared Bottle: OPXL/OPXS 2 mL Autosampler Vial (Batch 1163456) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 31 Prepared Bottle:PCBL 2 mL Autosampler Vial (Batch 1163457) Volume: 1.00000 mL <== Derived from 02 (993 ml)
Bottle 32 Prepared Bottle: Phenol TRAACS Autosampler Vial (Batch 1163828) Volume: 6.00000 mL <== Derived from 15 (6 ml)
Bottle 33 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164182) Volume: 1.00000 mL <== Derived from 12 (825 ml)
Bottle 34 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164187) Volume: 5.00000 mL <== Derived from 04 (993 ml)
Bottle 35 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164497) Volume: 1.00000 mL <== Derived from 03 (1000 ml)
Bottle 36 Prepared Bottle: 2 mL Autosampler Vial (Batch 1164499) Volume: 10.00000 mL <== Derived from 06 (1040 ml)
Bottle 37 Prepared Bottle: Mercury Preparation for Metals (Batch 1164893) Volume: 50.00000 mL <== Derived from 02 (47 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 622	30	1163456	03/04/2025	1165737	03/06/2025

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SAMPLE CROSS REFERENCE

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Printed: 03/31/2025

RESULTS

Sample Results

2385920 **Effluent Permit Renewal** Received: 03/04/2025

Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

Prepared: 03/04/2025 11:31:00 Calculated 03/04/2025 11:31:00 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Pickup/Sampling/Transport	Verified					
z	SUB Shipped	Verified					

Prepared: 1163398 03/03/2025 14:05:00 Analyzed 1163398 03/03/2025 14:05:00 RDL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Field Cl2 Check for CNa	Negative					

Prepared: 1163399 03/03/2025 14:07:00 Analyzed 1163399 03/03/2025 14:07:00 RDL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Field Sulfide Check for CNa	NEGATIVE	mg/L				

1613 Prepared: 03/13/2025 01:21:00 Analyzed 03/13/2025 01:21:00 SUB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Dioxins and Furans Subcontract	See Attached				ION1	

ASTM D7065-11 Prepared: 1164182 03/07/2025 10:30:00 Analyzed 1165176 03/11/2025 22:52:00 PM1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Nonylphenol	<0.0364	mg/L	0.0364		25154-52-3	33

Calculation Prepared: 03/06/2025 12:49:37 Calculated 03/06/2025 12:49:37 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trivalent Chromium	<0.003	mg/L	0.003		16065-83-1	

EPA 200.8 5.4 Prepared: 1163598 03/05/2025 06:30:00 Analyzed 1163801 03/06/2025 03:36:00 ESG

Parameter	Results	Units	RL	Flags	CAS	Bottle

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Printed: 03/31/2025

2385920 **Effluent Permit Renewal** Received: 03/04/2025

Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

EPA 200.8 5.4 Prepared: 1163598 03/05/2025 06:30:00 Analyzed 1163801 03/06/2025 03:36:00 ESG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Aluminum, Total	0.133	mg/L	0.005		7429-90-5	26
NELAC	Antimony, Total	<0.003	mg/L	0.003		7440-36-0	26
NELAC	Arsenic, Total	0.00203	mg/L	0.001		7440-38-2	26
NELAC	Barium, Total	0.0901	mg/L	0.003		7440-39-3	26
NELAC	Beryllium, Total	<0.0005	mg/L	0.0005		7440-41-7	26
NELAC	Cadmium, Total	<0.001	mg/L	0.001		7440-43-9	26
NELAC	Chromium, Total	0.00177	mg/L	0.001		7440-47-3	26
NELAC	Copper, Total	0.0146	mg/L	0.001		7440-50-8	26
NELAC	Lead, Total	<0.001	mg/L	0.001		7439-92-1	26
NELAC	Nickel, Total	0.00281	mg/L	0.001		7440-02-0	26
NELAC	Selenium, Total	<0.005	mg/L	0.005		7782-49-2	26
NELAC	Silver, Total	<0.0005	mg/L	0.0005		7440-22-4	26
NELAC	Thallium, Total	<0.001	mg/L	0.001		7440-28-0	26
NELAC	Zinc, Total	0.0415	mg/L	0.001		7440-66-6	26

EPA 245.7 2 Prepared: 1164893 03/12/2025 11:30:00 Analyzed 1165015 03/12/2025 13:36:00 MP1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Mercury, Total (low level)	<0.00000426	mg/L	0.00000426		7439-97-6	37

EPA 300.0 2.1 Prepared: 1163699 03/05/2025 01:26:00 Analyzed 1163699 03/05/2025 01:26:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Fluoride	0.53	mg/L	0.5			01
NELAC	Nitrate-Nitrogen Total	2.80	mg/L	0.100		14797-55-8	01

EPA 420.4 1 Prepared: 1163828 03/06/2025 09:15:20 Analyzed 1163987 03/06/2025 13:18:00 MEG

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Phenolics, Total Recoverable	0.030	mg/L	0.005			32

EPA 604.1 Prepared: 1164187 03/07/2025 11:00:00 Analyzed 1166849 03/10/2025 19:39:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Hexachlorophene	<0.00252	mg/L	0.00252		70-30-4	34

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Printed: 03/31/2025

2385920 **Effluent Permit Renewal** Received: 03/04/2025

Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

EPA 608.3 Prepared: 1163455 03/05/2025 12:30:00 Analyzed 1164970 03/08/2025 03:56:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	4,4-DDD	<0.0000101	mg/L	0.0000101		72-54-8	29
NELAC	4,4-DDE	<0.0000101	mg/L	0.0000101		72-55-9	29
NELAC	4,4-DDT	<0.0000101	mg/L	0.0000101		50-29-3	29
NELAC	Aldrin	<0.00001	mg/L	0.00001		309-00-2	29
NELAC	Alpha-BHC(hexachlorocyclohexane)	<0.0000101	mg/L	0.0000101		319-84-6	29
NELAC	Beta-BHC(hexachlorocyclohexane)	<0.0000101	mg/L	0.0000101	B	319-85-7	29
NELAC	Chlordane	<0.0002	mg/L	0.0002		57-74-9	29
NELAC	Delta-BHC(hexachlorocyclohexane)	<0.0000101	mg/L	0.0000101		319-86-8	29
NELAC	Dieldrin	<0.0000101	mg/L	0.0000101		60-57-1	29
NELAC	Endosulfan I (alpha)	<0.00000001	mg/L	0.00000001		959-98-8	29
NELAC	Endosulfan II (beta)	<0.0000101	mg/L	0.0000101		33213-65-9	29
NELAC	Endosulfan sulfate	<0.0000101	mg/L	0.0000101		1031-07-8	29
NELAC	Endrin	<0.0000101	mg/L	0.0000101		72-20-8	29
NELAC	Endrin aldehyde	<0.0000101	mg/L	0.0000101		7421-93-4	29
NELAC	Gamma-BHC(Lindane)	<0.0000101	mg/L	0.0000101	S	58-89-9	29
NELAC	Heptachlor	<0.00001	mg/L	0.00001	S	76-44-8	29
NELAC	Heptachlor epoxide	<0.00000001	mg/L	0.00000001		1024-57-3	29
NELAC	Toxaphene	<0.000201	mg/L	0.000201		8001-35-2	29

EPA 608.3 Prepared: 1163457 03/05/2025 12:30:00 Analyzed 1165568 03/08/2025 03:56:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	PCB-1016	<0.0002	mg/L	0.0002		12674-11-2	31
NELAC	PCB-1221	<0.0002	mg/L	0.0002		11104-28-2	31
NELAC	PCB-1232	<0.0002	mg/L	0.0002		11141-16-5	31
NELAC	PCB-1242	<0.0002	mg/L	0.0002		53469-21-9	31
NELAC	PCB-1248	<0.0002	mg/L	0.0002		12672-29-6	31
NELAC	PCB-1254	<0.0002	mg/L	0.0002		11097-69-1	31
NELAC	PCB-1260	<0.0002	mg/L	0.0002		11096-82-5	31

EPA 614 Prepared: 1163456 03/05/2025 12:30:00 Analyzed 1165738 03/06/2025 15:08:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Azinphos-methyl (Guthion)	<0.0000504	mg/L	0.0000504		86-50-0	30
NELAC	Demeton	<0.0000504	mg/L	0.0000504		8065-48-3	30
NELAC	Diazinon	<0.0000504	mg/L	0.0000504		333-41-5	30

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Printed: 03/31/2025

2385920 **Effluent Permit Renewal** Received: 03/04/2025

Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

EPA 614 Prepared: 1163456 03/05/2025 12:30:00 Analyzed 1165738 03/06/2025 15:08:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Malathion	<0.0000504	mg/L	0.0000504		121-75-5	30
NELAC	Parathion, ethyl	<0.0000504	mg/L	0.0000504		56-38-2	30
NELAC	Parathion, methyl	<0.00005	mg/L	0.00005		298-00-0	30

EPA 615 Prepared: 1164499 03/10/2025 15:30:00 Analyzed 1165611 03/13/2025 03:51:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	2,4 Dichlorophenoxyacetic acid	<0.000481	mg/L	0.000481		94-75-7	36
NELAC	2,4,5-TP (Silvex)	<0.000288	mg/L	0.000288		93-72-1	36

EPA 617 Prepared: 1163455 03/05/2025 12:30:00 Analyzed 1164963 03/08/2025 03:56:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Kelthane (Dicofol)	<0.0000504	mg/L	0.0000504	X	115-32-2	29
z	Methoxychlor	<0.0000101	mg/L	0.0000101		72-43-5	29
z	Mirex	<0.0000101	mg/L	0.0000101		2385-85-5	29

EPA 622 Prepared: 1163456 03/05/2025 12:30:00 Analyzed 1165737 03/06/2025 15:08:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Chlorpyrifos	<0.00000005	mg/L	0.00000005		2921-88-2	30

EPA 624.1 Prepared: 1163603 03/04/2025 20:24:00 Analyzed 1163603 03/04/2025 20:24:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Acrolein	<0.0200	mg/L	0.0200		107-02-8	10
NELAC	Acrylonitrile	<0.0050	mg/L	0.0050		107-13-1	10

EPA 624.1 Prepared: 1164359 03/07/2025 17:03:00 Analyzed 1164359 03/07/2025 17:03:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,1,1-Trichloroethane	<0.0050	mg/L	0.0050		71-55-6	18
NELAC	1,1,2,2-Tetrachloroethane	<0.0050	mg/L	0.0050		79-34-5	18
NELAC	1,1,2-Trichloroethane	<0.0050	mg/L	0.0050		79-00-5	18
NELAC	1,1-Dichloroethane	<0.0050	mg/L	0.0050		75-34-3	18
NELAC	1,1-Dichloroethylene	<0.0050	mg/L	0.0050		75-35-4	18

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Printed: 03/31/2025

2385920 **Effluent Permit Renewal** Received: 03/04/2025

Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

EPA 624.1 Prepared: 1164359 03/07/2025 17:03:00 Analyzed 1164359 03/07/2025 17:03:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2-Dibromoethane (EDB)	<0.0050	mg/L	0.0050		106-93-4	18
NELAC	1,2-Dichloroethane	<0.0050	mg/L	0.0050		107-06-2	18
NELAC	1,2-Dichloropropane	<0.0050	mg/L	0.0050		78-87-5	18
NELAC	2-Chloroethylvinyl ether	<0.0050	mg/L	0.0050		110-75-8	18
NELAC	Benzene	<0.0050	mg/L	0.0050		71-43-2	18
NELAC	Bromodichloromethane	<0.0050	mg/L	0.0050		75-27-4	18
NELAC	Bromoform	<0.0050	mg/L	0.0050		75-25-2	18
NELAC	Bromomethane (Methyl Bromi	<0.0050	mg/L	0.0050		74-83-9	18
NELAC	Carbon Tetrachloride	<0.000002	mg/L	0.000002		56-23-5	18
NELAC	Chlorobenzene	<0.0050	mg/L	0.0050		108-90-7	18
NELAC	Chloroethane	<0.0056	mg/L	0.0056		75-00-3	18
NELAC	Chloroform	<0.0050	mg/L	0.0050		67-66-3	18
NELAC	Chloromethane (Methyl Chloride)	<0.0050	mg/L	0.0050		74-87-3	18
NELAC	cis-1,3-Dichloropropene	<0.0050	mg/L	0.0050		10061-01-5	18
NELAC	Dibromochloromethane	<0.0050	mg/L	0.0050		124-48- 1	18
NELAC	Dichloromethane	<0.0051	mg/L	0.0051		75-09-2	18
NELAC	Ethylbenzene	<0.0050	mg/L	0.0050		100-41-4	18
NELAC	m-Dichlorobenzene (1,3-DCB)	<0.0050	mg/L	0.0050		541-73-1	18
NELAC	Methyl ethyl ketone (Butanone)	<0.0050	mg/L	0.0050		78-93-3	18
NELAC	o-Dichlorobenzene (1,2-DCB)	<0.0050	mg/L	0.0050		95-50-1	18
NELAC	p-Dichlorobenzene (1,4-DCB)	<0.0050	mg/L	0.0050		106-46-7	18
NELAC	Tetrachloroethylene	<0.0050	mg/L	0.0050		127-18-4	18
NELAC	Toluene	<0.0050	mg/L	0.0050		108-88-3	18
NELAC	trans-1,2-Dichloroethylene	<0.0050	mg/L	0.0050		156-60-5	18
NELAC	trans-1,3-Dichloropropene	<0.0050	mg/L	0.0050		10061-02-6	18
NELAC	Trichloroethylene	<0.0050	mg/L	0.0050		79-01-6	18
NELAC	Vinyl chloride	<0.0050	mg/L	0.0050		75-01-4	18

EPA 624.1 Prepared: 1164359 03/10/2025 15:36:32 Calculated 1164359 03/10/2025 15:36:32 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Trihalomethanes	<0.005	mg/L	0.005			18

EPA 625.1 Prepared: 1163654 03/05/2025 12:30:00 Analyzed 1164739 03/10/2025 19:04:00 DWL

Parameter	Results	Units	RL	Flags	CAS	Bottle

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City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

Project
1138186

Printed: 03/31/2025

2385920 **Effluent Permit Renewal** Received: 03/04/2025

Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

EPA 625.1 Prepared: 1163654 03/05/2025 12:30:00 Analyzed 1164739 03/10/2025 19:04:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	1,2,4,5-Tetrachlorobenzene	<0.00122	mg/L	0.00122		95-94-3	27
NELAC	1,2,4-Trichlorobenzene	<0.00122	mg/L	0.00122	S	120-82-1	27
NELAC	1,2-Dichlorobenzene	<0.00122	mg/L	0.00122		95-50-1	27
NELAC	1,2-DPH (as azobenzene)	<0.00122	mg/L	0.00122		122-66-7	27
NELAC	1,3-Dichlorobenzene	<0.00122	mg/L	0.00122		541-73-1	27
NELAC	1,4-Dichlorobenzene	<0.00122	mg/L	0.00122		106-46-7	27
NELAC	2,4,5-Trichlorophenol	<0.00122	mg/L	0.00122		95-95-4	27
NELAC	2,4,6-Trichlorophenol	<0.00122	mg/L	0.00122		88-06-2	27
NELAC	2,4-Dichlorophenol	<0.00122	mg/L	0.00122		120-83-2	27
NELAC	2,4-Dimethylphenol	<0.00292	mg/L	0.00292		105-67-9	27
NELAC	2,4-Dinitrophenol	<0.0109	mg/L	0.0109		51-28-5	27
NELAC	2,4-Dinitrotoluene	<0.00426	mg/L	0.00426		121-14-2	27
NELAC	2,6-Dinitrotoluene	<0.00122	mg/L	0.00122		606-20-2	27
NELAC	2-Chloronaphthalene	<0.00122	mg/L	0.00122	S	91-58-7	27
NELAC	2-Chlorophenol	<0.00122	mg/L	0.00122		95-57-8	27
NELAC	2-Methylphenol (o-Cresol)	<0.00633	mg/L	0.00633		95-48-7	27
NELAC	2-Nitrophenol	<0.00122	mg/L	0.00122		88-75-5	27
NELAC	3&4-Methylphenol (m&p-Cresol)	<0.00754	mg/L	0.00754		MEPH34	27
NELAC	3,3'-Dichlorobenzidine	<0.00608	mg/L	0.00608		91-94-1	27
NELAC	4,6-Dinitro-2-methylphenol	<0.00973	mg/L	0.00973		534-52-1	27
NELAC	4-Bromophenyl phenyl ether	<0.00122	mg/L	0.00122		101-55-3	27
NELAC	4-Chlorophenyl phenyl ethe	<0.00122	mg/L	0.00122		7005-72-3	27
NELAC	4-Nitrophenol	<0.00122	mg/L	0.00122		100-02-7	27
NELAC	Acenaphthene	<0.00122	mg/L	0.00122		83-32-9	27
NELAC	Acenaphthylene	<0.00122	mg/L	0.00122		208-96-8	27
z	Aniline	<0.00122	mg/L	0.00122	S	62-53-3	27
NELAC	Anthracene	<0.00122	mg/L	0.00122		120-12-7	27
NELAC	Benzidine	<0.0243	mg/L	0.0243		92-87-5	27
NELAC	Benzo(a)anthracene	<0.00122	mg/L	0.00122		56-55-3	27
NELAC	Benzo(a)pyrene	<0.00122	mg/L	0.00122		50-32-8	27
NELAC	Benzo(b)fluoranthene	<0.00122	mg/L	0.00122		205-99-2	27
NELAC	Benzo(ghi)perylene	<0.00122	mg/L	0.00122		191-24-2	27
NELAC	Benzo(k)fluoranthene	<0.00122	mg/L	0.00122		207-08-9	27
NELAC	Benzyl Butyl phthalate	<0.00912	mg/L	0.00912		85-68-7	27
NELAC	Bis(2-chloroethoxy)methane	<0.00122	mg/L	0.00122		111-91-1	27
NELAC	Bis(2-chloroethyl)ether	<0.00122	mg/L	0.00122		111-44-4	27

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Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

EPA 625.1 Prepared: 1163654 03/05/2025 12:30:00 Analyzed 1164739 03/10/2025 19:04:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Bis(2-chloroisopropyl)ether	<0.00122	mg/L	0.00122		108-60-1	27
NELAC	Bis(2-ethylhexyl)phthalate	<0.00912	mg/L	0.00912		117-81-7	27
NELAC	Chrysene (Benzo(a)phenanthrene)	<0.00122	mg/L	0.00122		218-01-9	27
NELAC	Dibenz(a,h)anthracene	<0.00122	mg/L	0.00122		53-70-3	27
NELAC	Diethyl phthalate	<0.00693	mg/L	0.00693		84-66-2	27
NELAC	Dimethyl phthalate	<0.00584	mg/L	0.00584		131-11-3	27
NELAC	Di-n-butylphthalate	<0.00912	mg/L	0.00912		84-74-2	27
NELAC	Di-n-octylphthalate	<0.00122	mg/L	0.00122	X	117-84-0	27
NELAC	Fluoranthene(Benzo(j,k)fluorene)	<0.00122	mg/L	0.00122		206-44-0	27
NELAC	Fluorene	<0.00122	mg/L	0.00122		86-73-7	27
NELAC	Hexachlorobenzene	<0.00122	mg/L	0.00122		118-74-1	27
NELAC	Hexachlorobutadiene	<0.00122	mg/L	0.00122		87-68-3	27
NELAC	Hexachlorocyclopentadiene	<0.0109	mg/L	0.0109		77-47-4	27
NELAC	Hexachloroethane	<0.00122	mg/L	0.00122	S	67-72-1	27
NELAC	Indeno(1,2,3-cd)pyrene	<0.00122	mg/L	0.00122		193-39-5	27
NELAC	Isophorone	<0.00122	mg/L	0.00122		78-59-1	27
NELAC	Naphthalene	<0.00122	mg/L	0.00122		91-20-3	27
NELAC	Nitrobenzene	<0.00122	mg/L	0.00122		98-95-3	27
NELAC	n-Nitrosodiethylamine	<0.00122	mg/L	0.00122		55-18-5	27
NELAC	N-Nitrosodimethylamine	<0.00852	mg/L	0.00852		62-75-9	27
NELAC	n-Nitroso-di-n-butylamine	<0.00122	mg/L	0.00122		924-16-3	27
NELAC	N-Nitrosodi-n-propylamine	<0.00122	mg/L	0.00122		621-64-7	27
NELAC	N-Nitrosodiphenylamine (as DPA	<0.00122	mg/L	0.00122		86-30-6	27
NELAC	p-Chloro-m-Cresol (4-Chloro-3-me	<0.00292	mg/L	0.00292		59-50-7	27
NELAC	Pentachlorobenzene	<0.00122	mg/L	0.00122		608-93-5	27
NELAC	Pentachlorophenol	<0.00122	mg/L	0.00122		87-86-5	27
NELAC	Phenanthrene	<0.00122	mg/L	0.00122		85-01-8	27
NELAC	Phenol	<0.00182	mg/L	0.00182		108-95-2	27
NELAC	Pyrene	<0.00122	mg/L	0.00122	X	129-00-0	27
NELAC	Pyridine	<0.00657	mg/L	0.00657		110-86-1	27

EPA 625.1 Prepared: 1163654 03/05/2025 12:30:00 Calculated 1164739 03/31/2025 14:49:23 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cresols Total	<0.00754	mg/L	0.00754		1319-77-3, etc.	27

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2385920 **Effluent Permit Renewal** Received: 03/04/2025

Non-Potable Water Collected by: RDL SPL Kilgore PO: P250717
Taken: 03/03/2025 14:00:00

EPA 632 Prepared: 1163454 03/05/2025 12:30:00 Analyzed 1164751 03/11/2025 03:27:00 BRU

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Carbaryl (Sevin)	<0.00252	mg/L	0.00252		63-25-2	28
z	Diuron	<0.0000453	mg/L	0.0000453	B	330-54-1	28

SM 3500-Cr B-2011 Prepared: 1163569 03/03/2025 14:05:00 Analyzed 1163569 03/03/2025 14:05:00 RDL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hex Cr, Field Preservation	<0.0030	mg/L	0.0030		18540-29-9	

SM 3500-Cr B-2011 Prepared: 1163694 03/04/2025 13:15:00 Analyzed 1163694 03/04/2025 13:15:00 ALB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Hexavalent Chromium	<0.0030	mg/L	0.0030	P	18540-29-9	22

SM 4500-CN⁻E-2016 Prepared: 1163580 03/05/2025 09:03:31 Analyzed 1164169 03/07/2025 08:22:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide, total	<0.005	mg/L	0.005			25

SM 4500-CN⁻G-2016 Prepared: 03/07/2025 11:25:05 Calculated 03/07/2025 11:25:05 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide - Available/Amenable	<0.005	mg/L	0.005			

SM 4500-CN⁻G-2016 Prepared: 1163578 03/05/2025 09:00:52 Analyzed 1164176 03/07/2025 08:22:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cyanide After Chlorination	0.0056	mg/L	0.005			24

TX 1001 Prepared: 1164497 03/10/2025 15:00:00 Analyzed 1166614 03/20/2025 20:18:00 DWL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Tributyltin hydride	<0.000007	mg/L	0.000007	D	688-73-3	35

Sample Preparation

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P250717

03/03/2025

			Prepared:		03/04/2025	12:01:01	Calculated	03/04/2025	12:01:01 CAL
z	**Enviro Fee (per Sampling Group)**	**Verified**							
			Prepared:		03/31/2025	14:55:00	Analyzed	03/31/2025	14:55:00 WJP
z	**Check Limits**	**Completed**							
	ASTM D7065-17		Prepared:	1164182	03/07/2025	10:30:00	Analyzed 1165176	03/11/2025	22:52:00 PM1
z	**Nonyl Phenol Expansion**	**Entered**							33
	EPA 200.2 2.8		Prepared:	1163598	03/05/2025	06:30:00	Analyzed 1163598	03/05/2025	06:30:00 ESG
z	**Liquid Metals Digestion**	**50/50**	**ml**						16
	EPA 245.7 2		Prepared:	1164893	03/12/2025	11:30:00	Analyzed 1164893	03/12/2025	11:30:00 MP1
NELAC	**Low Level Mercury Liquid Metals**	**50/47**	**ml**						02
	EPA 420.4 1		Prepared:	1163828	03/06/2025	09:15:20	Analyzed 1163828	03/06/2025	09:15:20 MEG
NELAC	**Phenol Distillation**	**6/6**	**ml**						15
	EPA 604.1		Prepared:	1164187	03/07/2025	11:00:00	Analyzed 1164187	03/07/2025	11:00:00 CRS
	Hexachlorophene Extraction	**5/993**	**ml**						04
	EPA 604.1		Prepared:	1164187	03/07/2025	11:00:00	Analyzed 1166849	03/10/2025	19:39:00 BRU
	Hexachlorophene Expansion	**Entered**						**70-30-4**	34

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03/03/2025

EPA 608.3		*Prepared:*	*1163455*	*03/05/2025*	*12:30:00*	*Analyzed*	*1163455*	*03/05/2025*	*12:30:00*	*CRS*
	Liquid-Liquid Extr. W/Hex Ex	**1/993**	**ml**							02
EPA 608.3		*Prepared:*	*1163455*	*03/05/2025*	*12:30:00*	*Analyzed*	*1164970*	*03/08/2025*	*03:56:00*	*KAP*
NELAC	**TTO Pesticides**	**Entered**								29
EPA 608.3		*Prepared:*	*1163456*	*03/05/2025*	*12:30:00*	*Analyzed*	*1163456*	*03/05/2025*	*12:30:00*	*CRS*
	Solvent Extraction	**1/993**	**ml**							02
EPA 608.3		*Prepared:*	*1163457*	*03/05/2025*	*12:30:00*	*Analyzed*	*1163457*	*03/05/2025*	*12:30:00*	*CRS*
	PCB Liq-Liq Extr. W/Hex Exch.	**1/993**	**ml**							02
EPA 608.3		*Prepared:*	*1163457*	*03/05/2025*	*12:30:00*	*Analyzed*	*1165568*	*03/08/2025*	*03:56:00*	*KAP*
NELAC	**TTO PCB**	**Entered**								31
EPA 614		*Prepared:*	*1163456*	*03/05/2025*	*12:30:00*	*Analyzed*	*1165738*	*03/06/2025*	*15:08:00*	*KAP*
z	**Permit Organophos. Pesticides**	**Entered**								30
EPA 615		*Prepared:*	*1164499*	*03/10/2025*	*15:30:00*	*Analyzed*	*1164499*	*03/10/2025*	*15:30:00*	*CRS*
NELAC	**Esterification of Sample**	**10/1040**	**ml**							06
EPA 615		*Prepared:*	*1164499*	*03/10/2025*	*15:30:00*	*Analyzed*	*1165611*	*03/13/2025*	*03:51:00*	*KAP*
NELAC	**Herbicides by GC**	**Entered**								36

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	EPA 617	*Prepared:*	*1163455*	*03/05/2025*	*12:30:00*	*Analyzed*	*1164963*	*03/08/2025*	*03:56:00*	*KAP*
z	**For use with !PPR only**	**Entered**								29
	EPA 622	*Prepared:*	*1163456*	*03/05/2025*	*12:30:00*	*Analyzed*	*1165737*	*03/06/2025*	*15:08:00*	*KAP*
NELAC	**For use with EXP !CPP only**	**Entered**								30
	EPA 624.1	*Prepared:*	*1163603*	*03/04/2025*	*20:24:00*	*Analyzed*	*1163603*	*03/04/2025*	*20:24:00*	*MR1*
NELAC	**Acrolein/Acrylonitrile Exp.**	**Entered**								10
	EPA 624.1	*Prepared:*	*1164359*	*03/07/2025*	*17:03:00*	*Analyzed*	*1164359*	*03/07/2025*	*17:03:00*	*MR1*
z	**Table D-1/D-2 Volatile Expansion**	**Entered**								18
	EPA 625.1	*Prepared:*	*1163654*	*03/05/2025*	*12:30:00*	*Analyzed*	*1163654*	*03/05/2025*	*12:30:00*	*CRS*
	Liquid-Liquid Extraction, BNA	**1/822**	**ml**							01
	EPA 625.1	*Prepared:*	*1163654*	*03/05/2025*	*12:30:00*	*Analyzed*	*1164739*	*03/10/2025*	*19:04:00*	*DWL*
NELAC	**Table D-1/ D-2 Semivolatiles Exp**	**Entered**								27
	EPA 625.1	*Prepared:*	*1164182*	*03/07/2025*	*10:30:00*	*Analyzed*	*1164182*	*03/07/2025*	*10:30:00*	*CRS*
	Nonylphenol Liq-Liq Extract	**1/825**	**ml**							12
	EPA 632	*Prepared:*	*1163454*	*03/05/2025*	*12:30:00*	*Analyzed*	*1163454*	*03/05/2025*	*12:30:00*	*CRS*
	Liquid-Liquid Extr. W/Hex Ex	**1/993**	**ml**							02

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	EPA 632	*Prepared:*	*1163454*	*03/05/2025*	*12:30:00*	*Analyzed*	*1164751*	*03/11/2025*	*03:27:00*	*BRU*
NELAC	**Carbaryl/Diuron**	**Entered**								28
	SM 4500-CN⁻C-2016	*Prepared:*	*1163578*	*03/05/2025*	*09:00:52*	*Analyzed*	*1163578*	*03/05/2025*	*09:00:52*	*MEG*
NELAC	**CN Dist After Chlorination**	**10/5**	**ml**							20
	SM 4500-CN⁻C-2016	*Prepared:*	*1163580*	*03/05/2025*	*09:03:31*	*Analyzed*	*1163580*	*03/05/2025*	*09:03:31*	*MEG*
NELAC	**Cyanide Distillation**	**10/5**	**ml**							20
	TX 1001	*Prepared:*	*1164497*	*03/10/2025*	*15:00:00*	*Analyzed*	*1164497*	*03/10/2025*	*15:00:00*	*CRS*
z	**Butyltins Extraction**	**1/1000**	**ml**							03
	TX 1001	*Prepared:*	*1164497*	*03/10/2025*	*15:00:00*	*Analyzed*	*1166614*	*03/20/2025*	*20:18:00*	*DWL*
z	**Butyltin Expansion**	**Entered**								35

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Qualifiers:

B - Analyte detected in the associated method blank
D - Duplicate RPD was higher than expected
P - Spike recovery outside control limits due to matrix effects.
X - Standard reads higher than desired.
S - Standard reads lower than desired

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

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

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

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

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Printed 03/31/2025

Analytical Set 1163987 — EPA 420.4 1

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phenolics, Total Recoverable	1163828	ND	0.003	0.005	mg/L	127373886

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.203	0.200	mg/L	102	90.0 - 110	127373885
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	127373894
Phenolics, Total Recoverable	0.200	0.200	mg/L	100	90.0 - 110	127373905
Phenolics, Total Recoverable	0.195	0.200	mg/L	97.5	90.0 - 110	127373912

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Phenolics, Total Recoverable	2385507	0.042	0.044	mg/L	4.65	20.0
Phenolics, Total Recoverable	2385510	0.017	0.019	mg/L	11.1	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phenolics, Total Recoverable	0.205	0.200	mg/L	102	90.0 - 110	127373884

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phenolics, Total Recoverable	1163828	0.183	0.192	0.200	90.0 - 110	91.5	96.0	mg/L	4.80	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Phenolics, Total Recoverable	2385507	0.185	0.044	0.200	mg/L	70.5	90.0 - 110	127373891	*
Phenolics, Total Recoverable	2385510	0.140	0.019	0.200	mg/L	60.5	90.0 - 110	127373895	*

Analytical Set 1164169 — SM 4500-CN⁻ E-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide, total	1163580	ND	0.00238	0.005	mg/L	127377467

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.480	0.500	mg/L	96.0	90.0 - 110	127377466
Cyanide, total	0.508	0.500	mg/L	102	90.0 - 110	127377476
Cyanide, total	0.478	0.500	mg/L	95.6	90.0 - 110	127377487
Cyanide, total	0.474	0.500	mg/L	94.8	90.0 - 110	127377493
Cyanide, total	0.480	0.500	mg/L	96.0	90.0 - 110	127377494
Cyanide, total	0.479	0.500	mg/L	95.8	90.0 - 110	127377495
Cyanide, total	0.482	0.500	mg/L	96.4	90.0 - 110	127377496

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide, total	2385553	ND	ND	mg/L		20.0

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Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide, total	0.203	0.200	mg/L	102	90.0 - 110	127377465

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide, total	1163580	0.385	0.374	0.400	90.0 - 110	96.2	93.5	mg/L	2.90	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide, total	2385553	0.379	ND	0.400	mg/L	94.8	90.0 - 110	127377472

Analytical Set 1164176 — SM 4500-CN⁻ G-2016

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Cyanide After Chlorination	1163578	ND	0.00119	0.0025	mg/L	127377614

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.480	0.500	mg/L	96.0	90.0 - 110	127377610
Cyanide After Chlorination	0.508	0.500	mg/L	102	90.0 - 110	127377611
Cyanide After Chlorination	0.478	0.500	mg/L	95.6	90.0 - 110	127377612
Cyanide After Chlorination	0.474	0.500	mg/L	94.8	90.0 - 110	127377613
Cyanide After Chlorination	0.480	0.500	mg/L	96.0	90.0 - 110	127377619
Cyanide After Chlorination	0.479	0.500	mg/L	95.8	90.0 - 110	127377623
Cyanide After Chlorination	0.482	0.500	mg/L	96.4	90.0 - 110	127377624

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cyanide After Chlorination	2385553	0.0072	0.0064	mg/L	11.8	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Cyanide After Chlorination	0.203	0.200	mg/L	102	90.0 - 110	127377609

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Cyanide After Chlorination	1163578	0.192	0.192	0.200	90.0 - 110	96.0	96.0	mg/L	0	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Cyanide After Chlorination	2385553	0.399	0.0064	0.400	mg/L	98.2	90.0 - 110	127377620

Analytical Set 1163398

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Field Cl2 Check for CNa	2385920	Negative	NEGATIVE			20

Analytical Set 1163399

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Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*	*Limit%*
Field Sulfide Check for CNa	2385920	Negative	NEGATIVE	mg/L		20

Analytical Set 1163699 — EPA 300.0 2.1

AWRL/LOQ C

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Fluoride	0.100	0.100	mg/L	100	70.0 - 130	127367261
Nitrate-Nitrogen Total	0.0208	0.0226	mg/L	92.0	70.0 - 130	127367261

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Fluoride	1163699	ND	0.0112	0.100	mg/L	127367262
Nitrate-Nitrogen Total	1163699	ND	0.00331	0.0226	mg/L	127367262

CCB

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Fluoride	1163699	0	0.0112	0.100	mg/L	127367258
Fluoride	1163699	0	0.0112	0.100	mg/L	127367276
Nitrate-Nitrogen Total	1163699	0	0.00331	0.0226	mg/L	127367258
Nitrate-Nitrogen Total	1163699	0.000903	0.00331	0.0226	mg/L	127367276

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Fluoride	10.5	10.0	mg/L	105	90.0 - 110	127367257
Fluoride	10.5	10.0	mg/L	105	90.0 - 110	127367275
Nitrate-Nitrogen Total	2.42	2.26	mg/L	107	90.0 - 110	127367257
Nitrate-Nitrogen Total	2.33	2.26	mg/L	103	90.0 - 110	127367275

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Fluoride	1163699	5.56	5.43	5.00	88.0 - 118	111	109	mg/L	2.37	20.0
Nitrate-Nitrogen Total	1163699	1.25	1.29	1.13	86.3 - 117	111	114	mg/L	3.15	20.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Fluoride	2385681	10.2	9.96	ND	10.0	80.0 - 120	102	99.6	mg/L	2.38	20.0
Nitrate-Nitrogen Total	2385681	2.72	2.91	0.293	2.26	80.0 - 120	107	116	mg/L	7.53	20.0

Analytical Set 1163694 — SM 3500-Cr B-2011

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Hexavalent Chromium	1163694	ND	0.550	3.00	ug/L	127367113
Hexavalent Chromium	1163694	ND	0.550	3.00	ug/L	127367121
Hexavalent Chromium	1163694	ND	0.550	3.00	ug/L	127367125

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Hexavalent Chromium	83.2	80.0	ug/L	104	90.0 - 110	127367114

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Hexavalent Chromium	83.4	80.0	ug/L	104	90.0 - 110	127367122
Hexavalent Chromium	83.0	80.0	ug/L	104	90.0 - 110	127367126

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Hexavalent Chromium	1163694	82.0	82.0	80.0	85.0 - 115	102	102	ug/L	0	15.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Hexavalent Chromium	2385920	51.7	54.1	ND	80.0	70.0 - 130	64.6 *	67.6 *	ug/L	4.54	20.0

Analytical Set 1163801 — EPA 200.8 5.4

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Aluminum, Total	1163598	ND	0.0039	0.005	mg/L	127369638
Antimony, Total	1163598	ND	0.000847	0.003	mg/L	127369638
Arsenic, Total	1163598	ND	0.000902	0.001	mg/L	127369638
Barium, Total	1163598	ND	0.00207	0.005	mg/L	127369638
Beryllium, Total	1163598	ND	0.000162	0.001	mg/L	127369638
Cadmium, Total	1163598	ND	0.00012	0.001	mg/L	127369638
Chromium, Total	1163598	0.000736	0.000392	0.001	mg/L	127369638
Copper, Total	1163598	ND	0.000325	0.001	mg/L	127369638
Lead, Total	1163598	ND	0.000549	0.001	mg/L	127369638
Nickel, Total	1163598	ND	0.000154	0.001	mg/L	127369638
Silver, Total	1163598	ND	0.000276	0.001	mg/L	127369638
Thallium, Total	1163598	ND	0.000966	0.001	mg/L	127369638
Zinc, Total	1163598	ND	0.000844	0.001	mg/L	127369638

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Aluminum, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127369528
Aluminum, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	127369587
Aluminum, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127369597
Aluminum, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127369606
Aluminum, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127369616
Aluminum, Total	0.0513	0.05	mg/L	103	90.0 - 110	127369624
Aluminum, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127369626
Aluminum, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	127369634
Aluminum, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127369644
Aluminum, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127369655
Aluminum, Total	0.0486	0.05	mg/L	97.2	90.0 - 110	127369666
Aluminum, Total	0.048	0.05	mg/L	96.0	90.0 - 110	127369667
Antimony, Total	0.0473	0.05	mg/L	94.6	90.0 - 110	127369528
Antimony, Total	0.048	0.05	mg/L	96.0	90.0 - 110	127369644
Antimony, Total	0.047	0.05	mg/L	94.0	90.0 - 110	127369655
Arsenic, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127369528

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Arsenic, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127369533
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127369540
Arsenic, Total	0.0479	0.05	mg/L	95.8	90.0 - 110	127369597
Arsenic, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127369606
Arsenic, Total	0.0475	0.05	mg/L	95.0	90.0 - 110	127369616
Arsenic, Total	0.0474	0.05	mg/L	94.8	90.0 - 110	127369624
Arsenic, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	127369626
Arsenic, Total	0.0477	0.05	mg/L	95.4	90.0 - 110	127369634
Arsenic, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	127369644
Arsenic, Total	0.0476	0.05	mg/L	95.2	90.0 - 110	127369655
Arsenic, Total	0.0464	0.05	mg/L	92.8	90.0 - 110	127369666
Arsenic, Total	0.0468	0.05	mg/L	93.6	90.0 - 110	127369667
Barium, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127369528
Barium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127369533
Barium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127369540
Barium, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127369624
Barium, Total	0.054	0.05	mg/L	108	90.0 - 110	127369626
Barium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127369634
Barium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127369644
Barium, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127369655
Barium, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127369666
Barium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127369667
Beryllium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127369528
Beryllium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127369644
Beryllium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127369655
Cadmium, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127369528
Cadmium, Total	0.050	0.05	mg/L	100	90.0 - 110	127369533
Cadmium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127369540
Cadmium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127369624
Cadmium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127369626
Cadmium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127369634
Cadmium, Total	0.0504	0.05	mg/L	101	90.0 - 110	127369644
Cadmium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127369655
Cadmium, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127369666
Cadmium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127369667
Chromium, Total	0.0508	0.05	mg/L	102	90.0 - 110	127369528
Chromium, Total	0.0511	0.05	mg/L	102	90.0 - 110	127369533
Chromium, Total	0.0503	0.05	mg/L	101	90.0 - 110	127369540
Chromium, Total	0.0529	0.05	mg/L	106	90.0 - 110	127369624
Chromium, Total	0.0513	0.05	mg/L	103	90.0 - 110	127369626
Chromium, Total	0.0511	0.05	mg/L	102	90.0 - 110	127369634
Chromium, Total	0.051	0.05	mg/L	102	90.0 - 110	127369644
Chromium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127369655
Chromium, Total	0.051	0.05	mg/L	102	90.0 - 110	127369666
Chromium, Total	0.0504	0.05	mg/L	101	90.0 - 110	127369667

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Copper, Total	0.0518	0.05	mg/L	104	90.0 - 110	127369528
Copper, Total	0.0524	0.05	mg/L	105	90.0 - 110	127369533
Copper, Total	0.052	0.05	mg/L	104	90.0 - 110	127369540
Copper, Total	0.0512	0.05	mg/L	102	90.0 - 110	127369597
Copper, Total	0.0517	0.05	mg/L	103	90.0 - 110	127369606
Copper, Total	0.0519	0.05	mg/L	104	90.0 - 110	127369616
Copper, Total	0.0545	0.05	mg/L	109	90.0 - 110	127369624
Copper, Total	0.0528	0.05	mg/L	106	90.0 - 110	127369626
Copper, Total	0.0521	0.05	mg/L	104	90.0 - 110	127369634
Copper, Total	0.0526	0.05	mg/L	105	90.0 - 110	127369644
Copper, Total	0.0521	0.05	mg/L	104	90.0 - 110	127369655
Copper, Total	0.0521	0.05	mg/L	104	90.0 - 110	127369666
Copper, Total	0.0513	0.05	mg/L	103	90.0 - 110	127369667
Lead, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127369528
Lead, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127369533
Lead, Total	0.0482	0.05	mg/L	96.4	90.0 - 110	127369540
Lead, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127369587
Lead, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127369597
Lead, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127369606
Lead, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127369616
Lead, Total	0.0505	0.05	mg/L	101	90.0 - 110	127369624
Lead, Total	0.0491	0.05	mg/L	98.2	90.0 - 110	127369626
Lead, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127369634
Lead, Total	0.0501	0.05	mg/L	100	90.0 - 110	127369644
Lead, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127369655
Lead, Total	0.0505	0.05	mg/L	101	90.0 - 110	127369666
Lead, Total	0.050	0.05	mg/L	100	90.0 - 110	127369667
Nickel, Total	0.051	0.05	mg/L	102	90.0 - 110	127369528
Nickel, Total	0.0517	0.05	mg/L	103	90.0 - 110	127369533
Nickel, Total	0.0506	0.05	mg/L	101	90.0 - 110	127369540
Nickel, Total	0.0516	0.05	mg/L	103	90.0 - 110	127369626
Nickel, Total	0.0515	0.05	mg/L	103	90.0 - 110	127369634
Nickel, Total	0.0514	0.05	mg/L	103	90.0 - 110	127369644
Nickel, Total	0.0508	0.05	mg/L	102	90.0 - 110	127369655
Nickel, Total	0.0513	0.05	mg/L	103	90.0 - 110	127369666
Nickel, Total	0.0507	0.05	mg/L	101	90.0 - 110	127369667
Silver, Total	0.0503	0.05	mg/L	101	90.0 - 110	127369528
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127369533
Silver, Total	0.0499	0.05	mg/L	99.8	90.0 - 110	127369540
Silver, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127369624
Silver, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	127369626
Silver, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127369634
Silver, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127369644
Silver, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127369655
Silver, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127369666

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Silver, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127369667
Thallium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127369528
Thallium, Total	0.050	0.05	mg/L	100	90.0 - 110	127369644
Thallium, Total	0.0493	0.05	mg/L	98.6	90.0 - 110	127369655
Zinc, Total	0.0501	0.05	mg/L	100	90.0 - 110	127369528
Zinc, Total	0.052	0.05	mg/L	104	90.0 - 110	127369533
Zinc, Total	0.0496	0.05	mg/L	99.2	90.0 - 110	127369540
Zinc, Total	0.0502	0.05	mg/L	100	90.0 - 110	127369597
Zinc, Total	0.0515	0.05	mg/L	103	90.0 - 110	127369606
Zinc, Total	0.0516	0.05	mg/L	103	90.0 - 110	127369616
Zinc, Total	0.054	0.05	mg/L	108	90.0 - 110	127369624
Zinc, Total	0.0517	0.05	mg/L	103	90.0 - 110	127369626
Zinc, Total	0.0523	0.05	mg/L	105	90.0 - 110	127369634
Zinc, Total	0.0516	0.05	mg/L	103	90.0 - 110	127369644
Zinc, Total	0.0516	0.05	mg/L	103	90.0 - 110	127369655
Zinc, Total	0.052	0.05	mg/L	104	90.0 - 110	127369666
Zinc, Total	0.0513	0.05	mg/L	103	90.0 - 110	127369667

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Aluminum, Total	0.0492	0.05	mg/L	98.4	90.0 - 110	127369523
Antimony, Total	0.0535	0.05	mg/L	107	90.0 - 110	127369523
Arsenic, Total	0.0489	0.05	mg/L	97.8	90.0 - 110	127369523
Barium, Total	0.0488	0.05	mg/L	97.6	90.0 - 110	127369523
Beryllium, Total	0.0483	0.05	mg/L	96.6	90.0 - 110	127369523
Cadmium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127369523
Chromium, Total	0.0504	0.05	mg/L	101	90.0 - 110	127369523
Copper, Total	0.0503	0.05	mg/L	101	90.0 - 110	127369523
Lead, Total	0.0495	0.05	mg/L	99.0	90.0 - 110	127369523
Nickel, Total	0.0504	0.05	mg/L	101	90.0 - 110	127369523
Silver, Total	0.0497	0.05	mg/L	99.4	90.0 - 110	127369523
Thallium, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127369523
Zinc, Total	0.0478	0.05	mg/L	95.6	90.0 - 110	127369523

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Aluminum, Total	1163598	0.483	0.479	0.500	85.0 - 115	96.6	95.8	mg/L	0.832	20.0
Antimony, Total	1163598	0.501	0.501	0.500	85.0 - 115	100	100	mg/L	0	20.0
Arsenic, Total	1163598	0.467	0.461	0.500	85.0 - 115	93.4	92.2	mg/L	1.29	20.0
Barium, Total	1163598	0.462	0.460	0.500	85.0 - 115	92.4	92.0	mg/L	0.434	20.0
Beryllium, Total	1163598	0.191	0.191	0.200	85.0 - 115	95.5	95.5	mg/L	0	20.0
Cadmium, Total	1163598	0.235	0.235	0.250	85.0 - 115	94.0	94.0	mg/L	0	20.0
Chromium, Total	1163598	0.499	0.494	0.500	85.0 - 115	99.8	98.8	mg/L	1.01	20.0
Copper, Total	1163598	0.492	0.487	0.500	85.0 - 115	98.4	97.4	mg/L	1.02	20.0
Lead, Total	1163598	0.473	0.478	0.500	85.0 - 115	94.6	95.6	mg/L	1.05	20.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nickel, Total	1163598	0.503	0.502	0.500	85.0 - 115	101	100	mg/L	0.199	20.0
Silver, Total	1163598	0.0908	0.0915	0.100	85.0 - 115	90.8	91.5	mg/L	0.768	20.0
Thallium, Total	1163598	0.475	0.479	0.500	85.0 - 115	95.0	95.8	mg/L	0.839	20.0
Zinc, Total	1163598	0.470	0.470	0.500	85.0 - 115	94.0	94.0	mg/L	0	20.0

MRL Check

Parameter	Reading	Known	Units	Recover%	Limits%	File
Copper, Total	0.00119	0.001	mg/L	119	25.0 - 175	127369524
Lead, Total	0.000962	0.001	mg/L	96.2	85.0 - 115	127369524

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Aluminum, Total	2385804	0.488	0.490	0.0149	0.500	70.0 - 130	94.6	95.0	mg/L	0.422	20.0
Antimony, Total	2385804	0.507	0.505	ND	0.500	70.0 - 130	101	101	mg/L	0.395	20.0
Arsenic, Total	2385804	0.459	0.463	0.00199	0.500	70.0 - 130	91.4	92.2	mg/L	0.871	20.0
Barium, Total	2385804	0.461	0.466	0.00297	0.500	70.0 - 130	91.6	92.6	mg/L	1.09	20.0
Beryllium, Total	2385804	0.190	0.190	ND	0.200	70.0 - 130	95.0	95.0	mg/L	0	20.0
Cadmium, Total	2385804	0.233	0.233	ND	0.250	70.0 - 130	93.2	93.2	mg/L	0	20.0
Chromium, Total	2385804	0.483	0.485	0.00335	0.500	70.0 - 130	95.9	96.3	mg/L	0.416	20.0
Copper, Total	2385804	0.479	0.484	0.00345	0.500	70.0 - 130	95.1	96.1	mg/L	1.05	20.0
Lead, Total	2385804	0.471	0.470	ND	0.500	70.0 - 130	94.2	94.0	mg/L	0.213	20.0
Nickel, Total	2385804	0.486	0.491	0.000995	0.500	70.0 - 130	97.0	98.0	mg/L	1.03	20.0
Silver, Total	2385804	0.0894	0.0896	ND	0.100	70.0 - 130	89.4	89.6	mg/L	0.223	20.0
Thallium, Total	2385804	0.471	0.469	ND	0.500	70.0 - 130	94.2	93.8	mg/L	0.426	20.0
Zinc, Total	2385804	0.459	0.462	0.0065	0.500	70.0 - 130	90.5	91.1	mg/L	0.661	20.0
Aluminum, Total	2385923	0.519	0.520	0.0482	0.500	70.0 - 130	94.2	94.4	mg/L	0.212	20.0
Antimony, Total	2385923	0.507	0.510	ND	0.500	70.0 - 130	101	102	mg/L	0.590	20.0
Arsenic, Total	2385923	0.465	0.460	ND	0.500	70.0 - 130	93.0	92.0	mg/L	1.08	20.0
Barium, Total	2385923	0.499	0.498	0.0392	0.500	70.0 - 130	92.0	91.8	mg/L	0.218	20.0
Beryllium, Total	2385923	0.193	0.193	ND	0.200	70.0 - 130	96.5	96.5	mg/L	0	20.0
Cadmium, Total	2385923	0.234	0.233	ND	0.250	70.0 - 130	93.6	93.2	mg/L	0.428	20.0
Chromium, Total	2385923	0.486	0.489	0.000855	0.500	70.0 - 130	97.0	97.6	mg/L	0.616	20.0
Copper, Total	2385923	0.469	0.470	0.00427	0.500	70.0 - 130	92.9	93.1	mg/L	0.215	20.0
Lead, Total	2385923	0.469	0.475	ND	0.500	70.0 - 130	93.8	95.0	mg/L	1.27	20.0
Nickel, Total	2385923	0.480	0.482	0.000992	0.500	70.0 - 130	95.8	96.2	mg/L	0.417	20.0
Silver, Total	2385923	0.090	0.0896	ND	0.100	70.0 - 130	90.0	89.6	mg/L	0.445	20.0
Thallium, Total	2385923	0.472	0.476	ND	0.500	70.0 - 130	94.4	95.2	mg/L	0.844	20.0
Zinc, Total	2385923	0.448	0.454	0.00122	0.500	70.0 - 130	89.4	90.6	mg/L	1.33	20.0

Analytical Set 1163897 — EPA 200.8 5.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Selenium, Total	1163598	ND	0.00294	0.005	mg/L	127371927

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File

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CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Selenium, Total	0.0511	0.05	mg/L	102	90.0 - 110	127371851
Selenium, Total	0.0502	0.05	mg/L	100	90.0 - 110	127371856
Selenium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127371861
Selenium, Total	0.0505	0.05	mg/L	101	90.0 - 110	127371871
Selenium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127371881
Selenium, Total	0.049	0.05	mg/L	98.0	90.0 - 110	127371902
Selenium, Total	0.0487	0.05	mg/L	97.4	90.0 - 110	127371910
Selenium, Total	0.0481	0.05	mg/L	96.2	90.0 - 110	127371919
Selenium, Total	0.0494	0.05	mg/L	98.8	90.0 - 110	127371926
Selenium, Total	0.0498	0.05	mg/L	99.6	90.0 - 110	127371930
Selenium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	127371935
Selenium, Total	0.0485	0.05	mg/L	97.0	90.0 - 110	127371940

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Selenium, Total	0.0506	0.05	mg/L	101	90.0 - 110	127371846

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Selenium, Total	1163598	0.477	0.477	0.500	85.0 - 115	95.4	95.4	mg/L	0	20.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Selenium, Total	2385923	0.469	0.467	ND	0.500	70.0 - 130	93.8	93.4	mg/L	0.427	20.0

Analytical Set 1165015 — EPA 245.7 2

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Mercury, Total (low level)	1164893	ND	1.20	4.00	ng/L	127395347

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	24.6	25.0	ng/L	98.4	87.0 - 113	127395346
Mercury, Total (low level)	25.7	25.0	ng/L	103	87.0 - 113	127395358
Mercury, Total (low level)	27.3	25.0	ng/L	109	87.0 - 113	127395369
Mercury, Total (low level)	24.8	25.0	ng/L	99.2	87.0 - 113	127395376

ICL

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	48.7	50.0	ng/L	97.4	90.0 - 110	127395344

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Mercury, Total (low level)	24.2	25.0	ng/L	96.8	90.0 - 110	127395345

LCS Dup

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

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Mercury, Total (low level)	1164893	24.3	24.4	25.0	76.0 - 115	97.2	97.6	ng/L	0.411	50.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Mercury, Total (low level)	2385516	19.9	22.0	4.67	26.6	63.0 - 111	57.3 *	65.2	ng/L	12.9	18.0
Mercury, Total (low level)	2386560	29.7	31.8	6.67	26.6	63.0 - 111	86.6	94.5	ng/L	8.72	18.0

Analytical Set 1163603 EPA 624.1

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1163603	174	93	1.1	0 - 2.00	127365628
BFB Mass 174	1163603	95.0	8701	64.9	50.0 - 100	127365628
BFB Mass 175	1163603	174	628	7.2	5.00 - 9.00	127365628
BFB Mass 176	1163603	174	8430	96.9	95.0 - 101	127365628
BFB Mass 177	1163603	176	551	6.5	5.00 - 9.00	127365628
BFB Mass 50	1163603	95.0	2209	16.5	15.0 - 40.0	127365628
BFB Mass 75	1163603	95.0	6547	48.8	30.0 - 60.0	127365628
BFB Mass 95	1163603	95.0	13416	100.0	100 - 100	127365628
BFB Mass 96	1163603	95.0	871	6.5	5.00 - 9.00	127365628

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Acrolein	1163603	ND	2.33	4.00	ug/L	127365632
Acrylonitrile	1163603	ND	0.998	1.00	ug/L	127365632

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1163603	LCS	121600	131800	65890	197700	127365630	1163603
1,4-DichlorobenzeneD4 (ISTD)	1163603	LCS Dup	122900	131800	65890	197700	127365631	1163603
1,4-DichlorobenzeneD4 (ISTD)	1163603	Blank	112000	131800	65890	197700	127365632	1163603
ChlorobenzeneD5 (ISTD)	1163603	LCS	242600	262800	131400	394100	127365630	1163603
ChlorobenzeneD5 (ISTD)	1163603	LCS Dup	245700	262800	131400	394100	127365631	1163603
ChlorobenzeneD5 (ISTD)	1163603	Blank	238600	262800	131400	394100	127365632	1163603
1,4-DichlorobenzeneD4 (ISTD)	2385920	Unknown	105000	131800	65890	197700	127365633	1163603
1,4-DichlorobenzeneD4 (ISTD)	2385920	MS	115300	131800	65890	197700	127365634	1163603
1,4-DichlorobenzeneD4 (ISTD)	2385920	MSD	114500	131800	65890	197700	127365635	1163603
ChlorobenzeneD5 (ISTD)	2385920	Unknown	220100	262800	131400	394100	127365633	1163603
ChlorobenzeneD5 (ISTD)	2385920	MS	240400	262800	131400	394100	127365634	1163603
ChlorobenzeneD5 (ISTD)	2385920	MSD	240700	262800	131400	394100	127365635	1163603

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1163603	LCS	11.93	11.93	11.87	11.99	127365630	1163603
1,4-DichlorobenzeneD4 (ISTD)	1163603	LCS Dup	11.93	11.93	11.87	11.99	127365631	1163603
1,4-DichlorobenzeneD4 (ISTD)	1163603	Blank	11.93	11.93	11.87	11.99	127365632	1163603
ChlorobenzeneD5 (ISTD)	1163603	LCS	9.561	9.561	9.501	9.621	127365630	1163603

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IS RetTime

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
ChlorobenzeneD5 (ISTD)	1163603	LCS Dup	9.561	9.561	9.501	9.621	127365631	1163603
ChlorobenzeneD5 (ISTD)	1163603	Blank	9.561	9.561	9.501	9.621	127365632	1163603
1,4-DichlorobenzeneD4 (ISTD)	2385920	Unknown	11.93	11.93	11.87	11.99	127365633	1163603
1,4-DichlorobenzeneD4 (ISTD)	2385920	MS	11.93	11.93	11.87	11.99	127365634	1163603
1,4-DichlorobenzeneD4 (ISTD)	2385920	MSD	11.93	11.93	11.87	11.99	127365635	1163603
ChlorobenzeneD5 (ISTD)	2385920	Unknown	9.561	9.561	9.501	9.621	127365633	1163603
ChlorobenzeneD5 (ISTD)	2385920	MS	9.561	9.561	9.501	9.621	127365634	1163603
ChlorobenzeneD5 (ISTD)	2385920	MSD	9.561	9.561	9.501	9.621	127365635	1163603

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Acrolein	1163603	49.4	48.9	40.0	60.0 - 140	124	122	ug/L	1.63	30.0
Acrylonitrile	1163603	37.8	37.1	40.0	60.0 - 140	94.5	92.8	ug/L	1.82	30.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Acrolein	2385920	138	122	ND	200	40.0 - 160	69.0	61.0	ug/L	12.3	60.0
Acrylonitrile	2385920	188	188	ND	200	40.0 - 160	94.0	94.0	ug/L	0	60.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1,2-DCA-d4 (SURR)	1163603	LCS	20.8	20.0	ug/L	104	70.0 - 130	127365630
1,2-DCA-d4 (SURR)	1163603	LCS Dup	20.9	20.0	ug/L	104	70.0 - 130	127365631
1,2-DCA-d4 (SURR)	1163603	Blank	21.2	20.0	ug/L	106	70.0 - 130	127365632
Bromofluorobenzene (SURR)	1163603	LCS	20.1	20.0	ug/L	100	70.0 - 130	127365630
Bromofluorobenzene (SURR)	1163603	LCS Dup	19.8	20.0	ug/L	99.0	70.0 - 130	127365631
Bromofluorobenzene (SURR)	1163603	Blank	20.8	20.0	ug/L	104	70.0 - 130	127365632
Dibromofluoromethane (SURR)	1163603	LCS	20.3	20.0	ug/L	102	70.0 - 130	127365630
Dibromofluoromethane (SURR)	1163603	LCS Dup	20.3	20.0	ug/L	102	70.0 - 130	127365631
Dibromofluoromethane (SURR)	1163603	Blank	20.2	20.0	ug/L	101	70.0 - 130	127365632
TolueneD8 (SURR)	1163603	LCS	20.3	20.0	ug/L	102	70.0 - 130	127365630
TolueneD8 (SURR)	1163603	LCS Dup	20.4	20.0	ug/L	102	70.0 - 130	127365631
TolueneD8 (SURR)	1163603	Blank	20.1	20.0	ug/L	100	70.0 - 130	127365632
1,2-DCA-d4 (SURR)	2385920	Unknown	20.8	20.0	ug/L	104	70.0 - 130	127365633
1,2-DCA-d4 (SURR)	2385920	MS	21.2	20.0	ug/L	106	70.0 - 130	127365634
1,2-DCA-d4 (SURR)	2385920	MSD	20.5	20.0	ug/L	102	70.0 - 130	127365635
Bromofluorobenzene (SURR)	2385920	Unknown	20.4	20.0	ug/L	102	70.0 - 130	127365633
Bromofluorobenzene (SURR)	2385920	MS	20.7	20.0	ug/L	104	70.0 - 130	127365634
Bromofluorobenzene (SURR)	2385920	MSD	20.7	20.0	ug/L	104	70.0 - 130	127365635
Dibromofluoromethane (SURR)	2385920	Unknown	20.5	20.0	ug/L	102	70.0 - 130	127365633
Dibromofluoromethane (SURR)	2385920	MS	20.7	20.0	ug/L	104	70.0 - 130	127365634
Dibromofluoromethane (SURR)	2385920	MSD	20.5	20.0	ug/L	102	70.0 - 130	127365635
TolueneD8 (SURR)	2385920	Unknown	20.1	20.0	ug/L	100	70.0 - 130	127365633
TolueneD8 (SURR)	2385920	MS	20.5	20.0	ug/L	102	70.0 - 130	127365634
TolueneD8 (SURR)	2385920	MSD	20.2	20.0	ug/L	101	70.0 - 130	127365635

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Analytical Set 1163841 — EPA 625.1

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
2-Chlorophenol	2386074	12.3	13.0	ND	25.7	8.98 - 122	48.4	51.2	ug/L	5.53	30.0
2-Methylphenol (o-Cresol)	2386074	11.1	10.2	ND	25.7	0.100 - 107	43.7	40.2	ug/L	8.45	30.0
3&4-Methylphenol (m&p-Cresol)	2386074	9.85	8.87	ND	25.7	0.100 - 108	38.8	34.9	ug/L	10.5	30.0
Acenaphthene	2386074	13.8	15.5	ND	25.7	5.27 - 137	54.3	61.0	ug/L	11.6	30.0
Acenaphthylene	2386074	14.5	16.7	ND	25.7	16.2 - 123	57.1	65.7	ug/L	14.1	30.0
Anthracene	2386074	14.8	16.1	ND	25.7	17.1 - 130	58.3	63.4	ug/L	8.41	30.0
Benzo(a)anthracene	2386074	15.4	16.7	ND	25.7	32.8 - 118	60.6	65.7	ug/L	8.10	30.0
Benzo(a)pyrene	2386074	15.5	17.2	ND	25.7	37.3 - 116	61.0	67.7	ug/L	10.4	30.0
Benzo(b)fluoranthene	2386074	14.1	15.3	ND	25.7	18.3 - 143	55.5	60.2	ug/L	8.16	30.0
Benzo(ghi)perylene	2386074	20.4	22.0	ND	25.7	11.6 - 151	80.3	86.6	ug/L	7.55	30.0
Benzo(k)fluoranthene	2386074	14.5	15.6	ND	25.7	22.2 - 139	57.1	61.4	ug/L	7.31	30.0
Benzyl Butyl phthalate	2386074	15.0	16.7	0.904	25.7	7.60 - 140	55.5	62.2	ug/L	11.4	30.0
Bis(2-ethylhexyl)phthalate	2386074	16.1	17.5	ND	25.7	0.100 - 190	63.4	68.9	ug/L	8.33	30.0
Chrysene (Benzo(a)phenanthrene)	2386074	16.0	17.3	ND	25.7	28.2 - 122	63.0	68.1	ug/L	7.81	30.0
Dibenz(a,h)anthracene	2386074	19.4	21.0	ND	25.7	14.7 - 140	76.4	82.7	ug/L	7.92	30.0
Diethyl phthalate	2386074	15.5	17.3	ND	25.7	0.565 - 140	61.0	68.1	ug/L	11.0	30.0
Di-n-butylphthalate	2386074	15.3	17.0	ND	25.7	0.100 - 156	60.2	66.9	ug/L	10.5	30.0
Fluoranthene(Benzo(j,k)fluorene)	2386074	14.4	15.2	ND	25.7	13.3 - 135	56.7	59.8	ug/L	5.41	30.0
Fluorene	2386074	14.0	15.6	ND	25.7	32.7 - 120	55.1	61.4	ug/L	10.8	30.0
Indeno(1,2,3-cd)pyrene	2386074	19.6	21.2	ND	25.7	14.4 - 139	77.2	83.5	ug/L	7.84	30.0
Naphthalene	2386074	10.4	12.4	ND	25.7	6.27 - 127	40.9	48.8	ug/L	17.5	30.0
Phenanthrene	2386074	15.6	17.2	ND	25.7	26.9 - 125	61.4	67.7	ug/L	9.76	30.0
Phenol	2386074	5.61	5.42	ND	25.7	0.100 - 122	22.1	21.3	ug/L	3.45	30.0
Pyrene	2386074	15.0	16.0	ND	25.7	0.100 - 173	59.1	63.0	ug/L	6.45	30.0

Analytical Set 1164359 — EPA 624.1

BFB

Parameter	*Sample*	*RefMass*	*Reading*	*%*	*Limits%*	*File*
BFB Mass 173	1164359	174	71	1.0	0 - 2.00	127381321
BFB Mass 174	1164359	95.0	7473	63.3	50.0 - 100	127381321
BFB Mass 175	1164359	174	570	7.6	5.00 - 9.00	127381321
BFB Mass 176	1164359	174	7147	95.6	95.0 - 101	127381321
BFB Mass 177	1164359	176	462	6.5	5.00 - 9.00	127381321
BFB Mass 50	1164359	95.0	1970	16.7	15.0 - 40.0	127381321
BFB Mass 75	1164359	95.0	5732	48.5	30.0 - 60.0	127381321
BFB Mass 95	1164359	95.0	11812	100.0	100 - 100	127381321
BFB Mass 96	1164359	95.0	799	6.8	5.00 - 9.00	127381321

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
1,1,1-Trichloroethane	1164359	ND	0.531	1.00	ug/L	127381325
1,1,2-Trichloroethane	1164359	ND	0.563	1.00	ug/L	127381325
1,1-Dichloroethane	1164359	ND	0.593	1.00	ug/L	127381325

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Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
1,1-Dichloroethylene	1164359	ND	0.574	1.00	ug/L	127381325
1,2-Dibromoethane (EDB)	1164359	ND	0.562	1.00	ug/L	127381325
1,2-Dichloroethane	1164359	ND	0.590	1.00	ug/L	127381325
1,2-Dichloropropane	1164359	ND	0.615	1.00	ug/L	127381325
Benzene	1164359	ND	0.453	1.00	ug/L	127381325
Bromodichloromethane	1164359	ND	0.409	1.00	ug/L	127381325
Bromoform	1164359	ND	0.500	1.00	ug/L	127381325
Carbon Tetrachloride	1164359	ND	0.299	1.00	ug/L	127381325
Chlorobenzene	1164359	ND	0.558	1.00	ug/L	127381325
Chloroethane	1164359	ND	1.12	1.12	ug/L	127381325
Chloroform	1164359	ND	0.463	1.00	ug/L	127381325
Chloromethane (Methyl Chloride)	1164359	ND	0.811	1.00	ug/L	127381325
cis-1,3-Dichloropropene	1164359	ND	0.660	1.00	ug/L	127381325
Dibromochloromethane	1164359	ND	0.311	1.00	ug/L	127381325
Dichloromethane	1164359	ND	1.02	1.02	ug/L	127381325
Ethylbenzene	1164359	ND	0.498	1.00	ug/L	127381325
m-Dichlorobenzene (1,3-DCB)	1164359	ND	0.619	1.00	ug/L	127381325
Methyl ethyl ketone (Butanone)	1164359	ND	0.742	1.00	ug/L	127381325
o-Dichlorobenzene (1,2-DCB)	1164359	ND	0.532	1.00	ug/L	127381325
p-Dichlorobenzene (1,4-DCB)	1164359	ND	0.837	1.00	ug/L	127381325
Tetrachloroethylene	1164359	ND	0.607	1.00	ug/L	127381325
Toluene	1164359	ND	0.655	1.00	ug/L	127381325
trans-1,2-Dichloroethylene	1164359	ND	0.701	1.00	ug/L	127381325
trans-1,3-Dichloropropene	1164359	ND	0.627	1.00	ug/L	127381325
Trichloroethylene	1164359	ND	0.521	1.00	ug/L	127381325
Vinyl chloride	1164359	ND	0.702	1.00	ug/L	127381325

IS Areas

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-DichlorobenzeneD4 (ISTD)	1164359	LCS	109400	109700	54870	164600	127381322	1164359
1,4-DichlorobenzeneD4 (ISTD)	1164359	LCS Dup	109100	109700	54870	164600	127381323	1164359
1,4-DichlorobenzeneD4 (ISTD)	1164359	Blank	95880	109700	54870	164600	127381325	1164359
ChlorobenzeneD5 (ISTD)	1164359	LCS	223400	224400	112200	336700	127381322	1164359
ChlorobenzeneD5 (ISTD)	1164359	LCS Dup	225700	224400	112200	336700	127381323	1164359
ChlorobenzeneD5 (ISTD)	1164359	Blank	208300	224400	112200	336700	127381325	1164359
1,4-DichlorobenzeneD4 (ISTD)	2385920	Unknown	87650	109700	54870	164600	127381329	1164359
ChlorobenzeneD5 (ISTD)	2385920	Unknown	190200	224400	112200	336700	127381329	1164359
1,4-DichlorobenzeneD4 (ISTD)	2387385	MS	92590	109700	54870	164600	127381327	1164359
1,4-DichlorobenzeneD4 (ISTD)	2387385	MSD	97430	109700	54870	164600	127381328	1164359
ChlorobenzeneD5 (ISTD)	2387385	MS	194200	224400	112200	336700	127381327	1164359
ChlorobenzeneD5 (ISTD)	2387385	MSD	203800	224400	112200	336700	127381328	1164359

IS RetTime

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-DichlorobenzeneD4 (ISTD)	1164359	LCS	11.93	11.93	11.87	11.99	127381322	1164359

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IS RetTime

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-DichlorobenzeneD4 (ISTD)	1164359	LCS Dup	11.93	11.93	11.87	11.99	127381323	1164359
1,4-DichlorobenzeneD4 (ISTD)	1164359	Blank	11.93	11.93	11.87	11.99	127381325	1164359
ChlorobenzeneD5 (ISTD)	1164359	LCS	9.561	9.561	9.501	9.621	127381322	1164359
ChlorobenzeneD5 (ISTD)	1164359	LCS Dup	9.561	9.561	9.501	9.621	127381323	1164359
ChlorobenzeneD5 (ISTD)	1164359	Blank	9.561	9.561	9.501	9.621	127381325	1164359
1,4-DichlorobenzeneD4 (ISTD)	2385920	Unknown	11.93	11.93	11.87	11.99	127381329	1164359
ChlorobenzeneD5 (ISTD)	2385920	Unknown	9.561	9.561	9.501	9.621	127381329	1164359
1,4-DichlorobenzeneD4 (ISTD)	2387385	MS	11.93	11.93	11.87	11.99	127381327	1164359
1,4-DichlorobenzeneD4 (ISTD)	2387385	MSD	11.93	11.93	11.87	11.99	127381328	1164359
ChlorobenzeneD5 (ISTD)	2387385	MS	9.561	9.561	9.501	9.621	127381327	1164359
ChlorobenzeneD5 (ISTD)	2387385	MSD	9.561	9.561	9.501	9.621	127381328	1164359

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
1,1,1-Trichloroethane	1164359	18.0	17.3	20.0	70.0 - 130	90.0	86.5	ug/L	3.97	21.0
1,1,2,2-Tetrachloroethane	1164359	21.0	19.8	20.0	60.0 - 140	105	99.0	ug/L	5.88	36.0
1,1,2-Trichloroethane	1164359	18.6	18.0	20.0	70.0 - 130	93.0	90.0	ug/L	3.28	27.0
1,1-Dichloroethane	1164359	17.3	16.9	20.0	70.0 - 130	86.5	84.5	ug/L	2.34	24.0
1,1-Dichloroethylene	1164359	16.0	15.0	20.0	50.0 - 150	80.0	75.0	ug/L	6.45	40.0
1,2-Dibromoethane (EDB)	1164359	18.8	17.3	20.0	78.4 - 122	94.0	86.5	ug/L	8.31	30.0
1,2-Dichloroethane	1164359	18.6	17.7	20.0	70.0 - 130	93.0	88.5	ug/L	4.96	29.0
1,2-Dichloropropane	1164359	17.3	17.0	20.0	35.0 - 165	86.5	85.0	ug/L	1.75	69.0
Benzene	1164359	17.9	17.4	20.0	65.0 - 135	89.5	87.0	ug/L	2.83	33.0
Bromodichloromethane	1164359	17.2	16.8	20.0	65.0 - 135	86.0	84.0	ug/L	2.35	34.0
Bromoform	1164359	18.4	17.1	20.0	70.0 - 130	92.0	85.5	ug/L	7.32	25.0
Bromomethane (Methyl Bromi	1164359	15.6	15.3	20.0	15.0 - 185	78.0	76.5	ug/L	1.94	90.0
Carbon Tetrachloride	1164359	17.8	17.2	20.0	70.0 - 130	89.0	86.0	ug/L	3.43	26.0
Chlorobenzene	1164359	18.0	17.3	20.0	65.0 - 135	90.0	86.5	ug/L	3.97	29.0
Chloroethane	1164359	14.0	13.2	20.0	40.0 - 160	70.0	66.0	ug/L	5.88	47.0
Chloroform	1164359	18.2	17.6	20.0	70.0 - 135	91.0	88.0	ug/L	3.35	32.0
Chloromethane (Methyl Chloride)	1164359	11.0	10.5	20.0	0.100 - 205	55.0	52.5	ug/L	4.65	472
cis-1,3-Dichloropropene	1164359	16.9	16.0	20.0	25.0 - 175	84.5	80.0	ug/L	5.47	79.0
Dibromochloromethane	1164359	16.9	15.9	20.0	70.0 - 135	84.5	79.5	ug/L	6.10	30.0
Dichloromethane	1164359	16.8	16.3	20.0	60.0 - 140	84.0	81.5	ug/L	3.02	192
Ethylbenzene	1164359	18.4	17.8	20.0	60.0 - 140	92.0	89.0	ug/L	3.31	34.0
m-Dichlorobenzene (1,3-DCB)	1164359	18.3	17.6	20.0	70.0 - 130	91.5	88.0	ug/L	3.90	24.0
Methyl ethyl ketone (Butanone)	1164359	17.4	15.8	20.0	62.3 - 136	87.0	79.0	ug/L	9.64	30.0
o-Dichlorobenzene (1,2-DCB)	1164359	18.5	17.7	20.0	65.0 - 135	92.5	88.5	ug/L	4.42	31.0
p-Dichlorobenzene (1,4-DCB)	1164359	18.6	18.0	20.0	65.0 - 135	93.0	90.0	ug/L	3.28	31.0
Tetrachloroethylene	1164359	15.9	15.3	20.0	70.0 - 130	79.5	76.5	ug/L	3.85	23.0
Toluene	1164359	18.2	17.2	20.0	70.0 - 130	91.0	86.0	ug/L	5.65	22.0
trans-1,2-Dichloroethylene	1164359	15.7	14.8	20.0	70.0 - 130	78.5	74.0	ug/L	5.90	27.0
trans-1,3-Dichloropropene	1164359	18.2	17.2	20.0	50.0 - 150	91.0	86.0	ug/L	5.65	52.0
Trichloroethylene	1164359	17.7	17.2	20.0	65.0 - 135	88.5	86.0	ug/L	2.87	29.0
Vinyl chloride	1164359	20.5	19.4	20.0	5.00 - 195	102	97.0	ug/L	5.03	100

QUALITY CONTROL

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MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
1,1,1-Trichloroethane	2387385	87.0	83.4	ND	100	52.0 - 162	87.0	83.4	ug/L	4.23	36.0
1,1,2,2-Tetrachloroethane	2387385	102	100	ND	100	46.0 - 157	102	100	ug/L	1.98	61.0
1,1,2-Trichloroethane	2387385	89.8	85.5	ND	100	52.0 - 150	89.8	85.5	ug/L	4.91	45.0
1,1-Dichloroethane	2387385	84.5	80.6	ND	100	59.0 - 155	84.5	80.6	ug/L	4.72	40.0
1,1-Dichloroethylene	2387385	76.4	73.0	ND	100	0.100 - 234	76.4	73.0	ug/L	4.55	32.0
1,2-Dibromoethane (EDB)	2387385	91.8	86.8	ND	100	49.3 - 120	91.8	86.8	ug/L	5.60	30.0
1,2-Dichloroethane	2387385	89.3	84.4	ND	100	49.0 - 155	89.3	84.4	ug/L	5.64	49.0
1,2-Dichloropropane	2387385	86.6	80.8	ND	100	0.100 - 210	86.6	80.8	ug/L	6.93	55.0
Benzene	2387385	89.4	85.4	ND	100	37.0 - 151	89.4	85.4	ug/L	4.58	61.0
Bromodichloromethane	2387385	84.3	81.4	ND	100	35.0 - 155	84.3	81.4	ug/L	3.50	56.0
Bromoform	2387385	83.8	82.1	ND	100	45.0 - 169	83.8	82.1	ug/L	2.05	42.0
Bromomethane (Methyl Bromi	2387385	77.8	74.6	ND	100	0.100 - 242	77.8	74.6	ug/L	4.20	61.0
Carbon Tetrachloride	2387385	88.2	82.5	ND	100	70.0 - 140	88.2	82.5	ug/L	6.68	41.0
Chlorobenzene	2387385	87.2	83.3	ND	100	37.0 - 160	87.2	83.3	ug/L	4.57	53.0
Chloroethane	2387385	70.1	67.1	10.2	100	14.0 - 230	59.9	56.9	ug/L	5.14	78.0
Chloroform	2387385	90.2	85.6	ND	100	51.0 - 138	90.2	85.6	ug/L	5.23	54.0
Chloromethane (Methyl Chloride)	2387385	53.4	49.6	ND	100	0.100 - 273	53.4	49.6	ug/L	7.38	60.0
cis-1,3-Dichloropropene	2387385	82.9	78.6	ND	100	0.100 - 227	82.9	78.6	ug/L	5.33	58.0
Dibromochloromethane	2387385	79.8	76.2	ND	100	53.0 - 149	79.8	76.2	ug/L	4.62	50.0
Dichloromethane	2387385	82.2	77.7	ND	100	0.100 - 221	82.2	77.7	ug/L	5.63	28.0
Ethylbenzene	2387385	91.0	85.0	ND	100	37.0 - 162	91.0	85.0	ug/L	6.82	63.0
m-Dichlorobenzene (1,3-DCB)	2387385	88.4	83.0	ND	100	59.0 - 156	88.4	83.0	ug/L	6.30	43.0
Methyl ethyl ketone (Butanone)	2387385	78.3	83.3	ND	100	0.100 - 211	78.3	83.3	ug/L	6.19	30.0
o-Dichlorobenzene (1,2-DCB)	2387385	90.2	87.4	ND	100	18.0 - 190	90.2	87.4	ug/L	3.15	57.0
p-Dichlorobenzene (1,4-DCB)	2387385	88.6	83.2	ND	100	18.0 - 190	88.6	83.2	ug/L	6.29	57.0
Tetrachloroethylene	2387385	78.4	71.7	ND	100	64.0 - 148	78.4	71.7	ug/L	8.93	39.0
Toluene	2387385	89.0	83.5	ND	100	47.0 - 150	89.0	83.5	ug/L	6.38	41.0
trans-1,2-Dichloroethylene	2387385	74.8	70.7	ND	100	54.0 - 156	74.8	70.7	ug/L	5.64	45.0
trans-1,3-Dichloropropene	2387385	87.8	84.8	ND	100	17.0 - 183	87.8	84.8	ug/L	3.48	86.0
Trichloroethylene	2387385	85.8	83.6	ND	100	70.0 - 157	85.8	83.6	ug/L	2.60	48.0
Vinyl chloride	2387385	105	101	ND	100	0.100 - 251	105	101	ug/L	3.88	66.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1,2-DCA-d4 (SURR)	1164359	LCS	21.1	20.0	ug/L	106	70.0 - 130	127381322
1,2-DCA-d4 (SURR)	1164359	LCS Dup	21.1	20.0	ug/L	106	70.0 - 130	127381323
1,2-DCA-d4 (SURR)	1164359	Blank	22.0	20.0	ug/L	110	70.0 - 130	127381325
Bromofluorobenzene (SURR)	1164359	LCS	20.7	20.0	ug/L	104	70.0 - 130	127381322
Bromofluorobenzene (SURR)	1164359	LCS Dup	20.9	20.0	ug/L	104	70.0 - 130	127381323
Bromofluorobenzene (SURR)	1164359	Blank	21.7	20.0	ug/L	108	70.0 - 130	127381325
Dibromofluoromethane (SURR)	1164359	LCS	20.7	20.0	ug/L	104	70.0 - 130	127381322
Dibromofluoromethane (SURR)	1164359	LCS Dup	21.1	20.0	ug/L	106	70.0 - 130	127381323
Dibromofluoromethane (SURR)	1164359	Blank	20.7	20.0	ug/L	104	70.0 - 130	127381325
ToluneneD8 (SURR)	1164359	LCS	20.4	20.0	ug/L	102	70.0 - 130	127381322
ToluneneD8 (SURR)	1164359	LCS Dup	20.3	20.0	ug/L	102	70.0 - 130	127381323

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Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TolueneD8 (SURR)	1164359	Blank	20.5	20.0	ug/L	102	70.0 - 130	127381325
1,2-DCA-d4 (SURR)	2385920	Unknown	22.0	20.0	ug/L	110	70.0 - 130	127381329
Bromofluorobenzene (SURR)	2385920	Unknown	21.5	20.0	ug/L	108	70.0 - 130	127381329
Dibromofluoromethane (SURR)	2385920	Unknown	20.5	20.0	ug/L	102	70.0 - 130	127381329
TolueneD8 (SURR)	2385920	Unknown	20.6	20.0	ug/L	103	70.0 - 130	127381329
1,2-DCA-d4 (SURR)	2387385	MS	21.4	20.0	ug/L	107	70.0 - 130	127381327
1,2-DCA-d4 (SURR)	2387385	MSD	21.6	20.0	ug/L	108	70.0 - 130	127381328
Bromofluorobenzene (SURR)	2387385	MS	21.4	20.0	ug/L	107	70.0 - 130	127381327
Bromofluorobenzene (SURR)	2387385	MSD	21.1	20.0	ug/L	106	70.0 - 130	127381328
Dibromofluoromethane (SURR)	2387385	MS	20.5	20.0	ug/L	102	70.0 - 130	127381327
Dibromofluoromethane (SURR)	2387385	MSD	20.7	20.0	ug/L	104	70.0 - 130	127381328
TolueneD8 (SURR)	2387385	MS	20.6	20.0	ug/L	103	70.0 - 130	127381327
TolueneD8 (SURR)	2387385	MSD	20.6	20.0	ug/L	103	70.0 - 130	127381328

Analytical Set 1164739 — EPA 625.1

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
1,2,4,5-Tetrachlorobenzene	1163654	ND	0.517	1.00	ug/L	127390528
1,2,4-Trichlorobenzene	1163654	ND	0.720	1.00	ug/L	127390528
1,2-Dichlorobenzene	1163654	ND	0.598	1.00	ug/L	127390528
1,2-DPH (as azobenzene)	1163654	ND	0.695	1.00	ug/L	127390528
1,3-Dichlorobenzene	1163654	ND	0.686	1.00	ug/L	127390528
1,4-Dichlorobenzene	1163654	ND	0.633	1.00	ug/L	127390528
2,4,5-Trichlorophenol	1163654	ND	0.734	1.00	ug/L	127390528
2,4,6-Trichlorophenol	1163654	ND	0.704	1.00	ug/L	127390528
2,4-Dichlorophenol	1163654	ND	0.567	1.00	ug/L	127390528
2,4-Dimethylphenol	1163654	ND	2.32	2.40	ug/L	127390528
2,4-Dinitrophenol	1163654	ND	8.07	9.00	ug/L	127390528
2,4-Dinitrotoluene	1163654	ND	3.35	3.50	ug/L	127390528
2,6-Dinitrotoluene	1163654	ND	0.675	1.00	ug/L	127390528
2-Chloronaphthalene	1163654	ND	0.333	1.00	ug/L	127390528
2-Chlorophenol	1163654	ND	0.367	1.00	ug/L	127390528
2-Methylphenol (o-Cresol)	1163654	ND	5.13	5.20	ug/L	127390528
2-Nitrophenol	1163654	ND	0.495	1.00	ug/L	127390528
3&4-Methylphenol (m&p-Cresol)	1163654	ND	6.15	6.20	ug/L	127390528
3,3'-Dichlorobenzidine	1163654	ND	4.79	5.00	ug/L	127390528
4,6-Dinitro-2-methylphenol	1163654	ND	7.88	8.00	ug/L	127390528
4-Bromophenyl phenyl ether	1163654	ND	0.311	1.00	ug/L	127390528
4-Chlorophenyl phenyl ethe	1163654	ND	0.281	1.00	ug/L	127390528
4-Nitrophenol	1163654	ND	0.932	1.00	ug/L	127390528
Acenaphthene	1163654	ND	0.139	1.00	ug/L	127390528
Acenaphthylene	1163654	ND	0.202	1.00	ug/L	127390528
Aniline	1163654	ND	0.367	1.00	ug/L	127390528
Anthracene	1163654	ND	0.538	1.00	ug/L	127390528

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Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Benzidine	1163654	ND	19.9	20.0	ug/L	127390528
Benzo(a)anthracene	1163654	ND	0.627	1.00	ug/L	127390528
Benzo(a)pyrene	1163654	ND	0.478	1.00	ug/L	127390528
Benzo(b)fluoranthene	1163654	ND	0.517	1.00	ug/L	127390528
Benzo(ghi)perylene	1163654	ND	0.750	1.00	ug/L	127390528
Benzo(k)fluoranthene	1163654	ND	0.763	1.00	ug/L	127390528
Benzyl Butyl phthalate	1163654	0.900	0.696	7.50	ug/L	127390528
Bis(2-chloroethoxy)methane	1163654	ND	0.312	1.00	ug/L	127390528
Bis(2-chloroethyl)ether	1163654	ND	0.434	1.00	ug/L	127390528
Bis(2-chloroisopropyl)ether	1163654	ND	0.448	1.00	ug/L	127390528
Bis(2-ethylhexyl)phthalate	1163654	ND	1.63	7.50	ug/L	127390528
Chrysene (Benzo(a)phenanthrene)	1163654	ND	0.575	1.00	ug/L	127390528
Dibenz(a,h)anthracene	1163654	ND	0.872	1.00	ug/L	127390528
Diethyl phthalate	1163654	ND	0.721	5.70	ug/L	127390528
Dimethyl phthalate	1163654	ND	0.497	4.80	ug/L	127390528
Di-n-butylphthalate	1163654	ND	0.834	7.50	ug/L	127390528
Di-n-octylphthalate	1163654	ND	0.782	1.00	ug/L	127390528
Fluoranthene(Benzo(j,k)fluorene)	1163654	ND	0.772	1.00	ug/L	127390528
Fluorene	1163654	ND	0.512	1.00	ug/L	127390528
Hexachlorobenzene	1163654	ND	0.187	1.00	ug/L	127390528
Hexachlorobutadiene	1163654	ND	0.618	1.00	ug/L	127390528
Hexachlorocyclopentadiene	1163654	ND	8.69	9.00	ug/L	127390528
Hexachloroethane	1163654	ND	0.789	1.00	ug/L	127390528
Indeno(1,2,3-cd)pyrene	1163654	ND	0.793	1.00	ug/L	127390528
Isophorone	1163654	ND	0.468	1.00	ug/L	127390528
Naphthalene	1163654	ND	0.387	1.00	ug/L	127390528
Nitrobenzene	1163654	ND	0.390	1.00	ug/L	127390528
n-Nitrosodiethylamine	1163654	ND	0.282	1.00	ug/L	127390528
N-Nitrosodimethylamine	1163654	ND	6.64	7.00	ug/L	127390528
n-Nitroso-di-n-butylamine	1163654	ND	0.403	1.00	ug/L	127390528
N-Nitrosodi-n-propylamine	1163654	ND	0.777	1.00	ug/L	127390528
N-Nitrosodiphenylamine (as DPA	1163654	ND	0.427	1.00	ug/L	127390528
p-Chloro-m-Cresol (4-Chloro-3-me	1163654	ND	2.35	2.40	ug/L	127390528
Pentachlorobenzene	1163654	ND	0.420	1.00	ug/L	127390528
Pentachlorophenol	1163654	ND	0.129	1.00	ug/L	127390528
Phenanthrene	1163654	ND	0.624	1.00	ug/L	127390528
Phenol	1163654	ND	1.50	1.50	ug/L	127390528
Pyrene	1163654	ND	0.587	1.00	ug/L	127390528
Pyridine	1163654	ND	5.33	5.40	ug/L	127390528

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1,2,4,5-Tetrachlorobenzene	47400	50000	ug/L	94.8	60.0 - 140	127390527
1,2,4-Trichlorobenzene	52600	50000	ug/L	105	61.0 - 130	127390527
1,2-Dichlorobenzene	52000	50000	ug/L	104	60.0 - 140	127390527

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CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*		*File*
1,2-DPH (as azobenzene)	57800	50000	ug/L	116	60.0 - 140		127390527
1,3-Dichlorobenzene	52100	50000	ug/L	104	60.0 - 140		127390527
1,4-Dichlorobenzene	50900	50000	ug/L	102	60.0 - 140		127390527
2,4,5-Trichlorophenol	43700	50000	ug/L	87.4	69.0 - 130		127390527
2,4,6-Trichlorophenol	41900	50000	ug/L	83.8	69.0 - 130		127390527
2,4-Dichlorophenol	45000	50000	ug/L	90.0	64.0 - 130		127390527
2,4-Dimethylphenol	41400	50000	ug/L	82.8	58.0 - 130		127390527
2,4-Dinitrophenol	36000	50000	ug/L	72.0	39.0 - 173		127390527
2,4-Dinitrotoluene	55000	50000	ug/L	110	53.0 - 130		127390527
2,6-Dinitrotoluene	55500	50000	ug/L	111	68.0 - 137		127390527
2-Chloronaphthalene	45500	50000	ug/L	91.0	70.0 - 130		127390527
2-Chlorophenol	44100	50000	ug/L	88.2	55.0 - 130		127390527
2-Methylphenol (o-Cresol)	41400	50000	ug/L	82.8	60.0 - 140		127390527
2-Nitrophenol	46500	50000	ug/L	93.0	61.0 - 163		127390527
3&4-Methylphenol (m&p-Cresol)	43500	50000	ug/L	87.0	60.0 - 140		127390527
3,3'-Dichlorobenzidine	45100	50000	ug/L	90.2	18.0 - 213		127390527
4,6-Dinitro-2-methylphenol	40000	50000	ug/L	80.0	56.0 - 130		127390527
4-Bromophenyl phenyl ether	52000	50000	ug/L	104	70.0 - 130		127390527
4-Chlorophenyl phenyl ethe	49000	50000	ug/L	98.0	57.0 - 145		127390527
4-Nitrophenol	29700	50000	ug/L	59.4	35.0 - 135		127390527
Acenaphthene	51600	50000	ug/L	103	70.0 - 130		127390527
Acenaphthylene	55400	50000	ug/L	111	60.0 - 130		127390527
Aniline	46900	50000	ug/L	93.8	60.0 - 140		127390527
Anthracene	50900	50000	ug/L	102	58.0 - 130		127390527
Benzidine	29000	50000	ug/L	58.0	20.0 - 180		127390527
Benzo(a)anthracene	53900	50000	ug/L	108	42.0 - 133		127390527
Benzo(a)pyrene	56200	50000	ug/L	112	32.0 - 148		127390527
Benzo(b)fluoranthene	60300	50000	ug/L	121	42.0 - 140		127390527
Benzo(ghi)perylene	42200	50000	ug/L	84.4	13.0 - 195		127390527
Benzo(k)fluoranthene	59200	50000	ug/L	118	25.0 - 146		127390527
Benzyl Butyl phthalate	60200	50000	ug/L	120	43.0 - 140		127390527
Bis(2-chloroethoxy)methane	53500	50000	ug/L	107	52.0 - 164		127390527
Bis(2-chloroethyl)ether	49100	50000	ug/L	98.2	52.0 - 130		127390527
Bis(2-chloroisopropyl)ether	53700	50000	ug/L	107	63.0 - 139		127390527
Bis(2-ethylhexyl)phthalate	67000	50000	ug/L	134	43.0 - 137		127390527
Chrysene (Benzo(a)phenanthrene)	55700	50000	ug/L	111	44.0 - 140		127390527
Dibenz(a,h)anthracene	44200	50000	ug/L	88.4	13.0 - 200		127390527
Diethyl phthalate	51400	50000	ug/L	103	47.0 - 130		127390527
Dimethyl phthalate	53200	50000	ug/L	106	50.0 - 130		127390527
Di-n-butylphthalate	51500	50000	ug/L	103	52.0 - 130		127390527
Di-n-octylphthalate	80200	50000	ug/L	160	21.0 - 132	*	127390527
Fluoranthene(Benzo(j,k)fluorene)	46300	50000	ug/L	92.6	47.0 - 130		127390527
Fluorene	52100	50000	ug/L	104	70.0 - 130		127390527
Hexachlorobenzene	52900	50000	ug/L	106	38.0 - 142		127390527
Hexachlorobutadiene	52100	50000	ug/L	104	68.0 - 130		127390527

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*		*File*
Hexachlorocyclopentadiene	41300	50000	ug/L	82.6	60.0 - 140		127390527
Hexachloroethane	51100	50000	ug/L	102	55.0 - 130		127390527
Indeno(1,2,3-cd)pyrene	43800	50000	ug/L	87.6	13.0 - 151		127390527
Isophorone	58900	50000	ug/L	118	52.0 - 180		127390527
Naphthalene	53500	50000	ug/L	107	70.0 - 130		127390527
Nitrobenzene	53100	50000	ug/L	106	54.0 - 158		127390527
n-Nitrosodiethylamine	50700	50000	ug/L	101	60.0 - 140		127390527
N-Nitrosodimethylamine	49200	50000	ug/L	98.4	60.0 - 140		127390527
n-Nitroso-di-n-butylamine	53900	50000	ug/L	108	60.0 - 140		127390527
N-Nitrosodi-n-propylamine	55500	50000	ug/L	111	59.0 - 170		127390527
N-Nitrosodiphenylamine (as DPA	50700	50000	ug/L	101	60.0 - 140		127390527
p-Chloro-m-Cresol (4-Chloro-3-me	45300	50000	ug/L	90.6	68.0 - 130		127390527
Pentachlorobenzene	46900	50000	ug/L	93.8	60.0 - 140		127390527
Pentachlorophenol	34600	50000	ug/L	69.2	42.0 - 152		127390527
Phenanthrene	49400	50000	ug/L	98.8	67.0 - 130		127390527
Phenol	42000	50000	ug/L	84.0	48.0 - 130		127390527
Pyrene	68000	50000	ug/L	136	70.0 - 130	*	127390527
Pyridine	47100	50000	ug/L	94.2	60.0 - 140		127390527

DFTPP

Parameter		*RefMass*	*Reading*	*%*	*Limits%*	*File*
DFTPP Mass 127	630099	198	67207	55.2	40.0 - 60.0	127390526
DFTPP Mass 197	630099	198	0	0.0	0 - 1.00	127390526
DFTPP Mass 198	630099	198	121720	100.0	100 - 100	127390526
DFTPP Mass 199	630099	198	8489	7.0	5.00 - 9.00	127390526
DFTPP Mass 275	630099	198	29554	24.3	10.0 - 30.0	127390526
DFTPP Mass 365	630099	198	3307	2.7	1.00 - 100	127390526
DFTPP Mass 441	630099	443	13309	73.0	0 - 100	127390526
DFTPP Mass 442	630099	198	92770	76.2	40.0 - 100	127390526
DFTPP Mass 443	630099	442	18244	19.7	17.0 - 23.0	127390526
DFTPP Mass 51	630099	198	46733	38.4	30.0 - 60.0	127390526
DFTPP Mass 68	630099	69.0	0	0.0	0 - 2.00	127390526
DFTPP Mass 69	630099	198	56283	46.2	0 - 100	127390526
DFTPP Mass 70	630099	69.0	299	0.5	0 - 2.00	127390526

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
1,2,4,5-Tetrachlorobenzene	1163654	10.6	13.0	25.0	27.5 - 85.5	42.4	52.0	ug/L	20.3	50.0
1,2,4-Trichlorobenzene	1163654	9.84	12.2	25.0	44.0 - 142	39.4 *	48.8	ug/L	21.3	50.0
1,2-Dichlorobenzene	1163654	9.77	12.3	25.0	23.0 - 81.8	39.1	49.2	ug/L	22.9	50.0
1,2-DPH (as azobenzene)	1163654	21.0	21.6	25.0	12.6 - 110	84.0	86.4	ug/L	2.82	50.0
1,3-Dichlorobenzene	1163654	9.10	11.6	25.0	21.1 - 80.5	36.4	46.4	ug/L	24.2	50.0
1,4-Dichlorobenzene	1163654	9.27	11.7	25.0	21.4 - 76.9	37.1	46.8	ug/L	23.1	50.0
2,4,5-Trichlorophenol	1163654	14.5	18.3	25.0	51.3 - 109	58.0	73.2	ug/L	23.2	50.0
2,4,6-Trichlorophenol	1163654	13.2	17.3	25.0	37.0 - 144	52.8	69.2	ug/L	26.9	58.0

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LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
2,4-Dichlorophenol	1163654	14.0	16.5	25.0	39.0 - 135	56.0	66.0	ug/L	16.4	50.0
2,4-Dimethylphenol	1163654	6.62	10.0	25.0	23.0 - 120	26.5	40.0	ug/L	40.6	68.0
2,4-Dinitrophenol	1163654	10.5	15.3	25.0	0.100 - 191	42.0	61.2	ug/L	37.2	132
2,4-Dinitrotoluene	1163654	21.8	23.5	25.0	39.0 - 139	87.2	94.0	ug/L	7.51	42.0
2,6-Dinitrotoluene	1163654	21.7	22.8	25.0	50.0 - 158	86.8	91.2	ug/L	4.94	48.0
2-Chloronaphthalene	1163654	13.2	15.9	25.0	60.0 - 120	52.8 *	63.6	ug/L	18.6	24.0
2-Chlorophenol	1163654	13.0	15.2	25.0	23.0 - 134	52.0	60.8	ug/L	15.6	61.0
2-Methylphenol (o-Cresol)	1163654	12.0	14.2	25.0	38.9 - 76.1	48.0	56.8	ug/L	16.8	50.0
2-Nitrophenol	1163654	13.6	16.3	25.0	29.0 - 182	54.4	65.2	ug/L	18.1	55.0
3&4-Methylphenol (m&p-Cresol)	1163654	10.8	12.7	25.0	33.0 - 70.4	43.2	50.8	ug/L	16.2	50.0
3,3'-Dichlorobenzidine	1163654	17.9	18.6	25.0	0.100 - 262	71.6	74.4	ug/L	3.84	108
4,6-Dinitro-2-methylphenol	1163654	12.3	16.7	25.0	0.100 - 181	49.2	66.8	ug/L	30.3	203
4-Bromophenyl phenyl ether	1163654	18.8	19.7	25.0	53.0 - 127	75.2	78.8	ug/L	4.68	43.0
4-Chlorophenyl phenyl ethe	1163654	17.3	19.2	25.0	25.0 - 158	69.2	76.8	ug/L	10.4	61.0
4-Nitrophenol	1163654	5.06	7.91	25.0	0.100 - 132	20.2	31.6	ug/L	44.0	131
Acenaphthene	1163654	15.8	18.1	25.0	47.0 - 145	63.2	72.4	ug/L	13.6	48.0
Acenaphthylene	1163654	16.6	18.7	25.0	33.0 - 145	66.4	74.8	ug/L	11.9	74.0
Aniline	1163654	12.2	13.8	25.0	70.0 - 130	48.8 *	55.2 *	ug/L	12.3	50.0
Anthracene	1163654	21.0	21.1	25.0	27.0 - 133	84.0	84.4	ug/L	0.475	66.0
Benzo(a)anthracene	1163654	21.1	21.5	25.0	33.0 - 143	84.4	86.0	ug/L	1.88	53.0
Benzo(a)pyrene	1163654	22.0	22.2	25.0	17.0 - 163	88.0	88.8	ug/L	0.905	72.0
Benzo(b)fluoranthene	1163654	21.6	22.9	25.0	24.0 - 159	86.4	91.6	ug/L	5.84	71.0
Benzo(ghi)perylene	1163654	17.2	15.3	25.0	0.100 - 219	68.8	61.2	ug/L	11.7	97.0
Benzo(k)fluoranthene	1163654	24.0	25.0	25.0	11.0 - 162	96.0	100	ug/L	4.08	63.0
Benzyl Butyl phthalate	1163654	21.9	22.2	25.0	0.100 - 152	87.6	88.8	ug/L	1.36	60.0
Bis(2-chloroethoxy)methane	1163654	18.1	19.6	25.0	33.0 - 184	72.4	78.4	ug/L	7.96	54.0
Bis(2-chloroethyl)ether	1163654	16.5	18.2	25.0	12.0 - 158	66.0	72.8	ug/L	9.80	108
Bis(2-chloroisopropyl)ether	1163654	14.7	17.1	25.0	36.0 - 166	58.8	68.4	ug/L	15.1	76.0
Bis(2-ethylhexyl)phthalate	1163654	20.7	21.7	25.0	8.00 - 158	82.8	86.8	ug/L	4.72	82.0
Chrysene (Benzo(a)phenanthrene)	1163654	21.5	21.7	25.0	17.0 - 168	86.0	86.8	ug/L	0.926	87.0
Dibenz(a,h)anthracene	1163654	16.8	16.4	25.0	0.100 - 227	67.2	65.6	ug/L	2.41	126
Diethyl phthalate	1163654	21.3	22.2	25.0	0.100 - 120	85.2	88.8	ug/L	4.14	100
Dimethyl phthalate	1163654	21.1	22.0	25.0	0.100 - 120	84.4	88.0	ug/L	4.18	183
Di-n-butylphthalate	1163654	22.3	22.2	25.0	1.00 - 120	89.2	88.8	ug/L	0.449	47.0
Di-n-octylphthalate	1163654	24.0	26.4	25.0	4.00 - 146	96.0	106	ug/L	9.90	69.0
Fluoranthene(Benzo(j,k)fluorene)	1163654	20.7	20.3	25.0	26.0 - 137	82.8	81.2	ug/L	1.95	66.0
Fluorene	1163654	18.4	20.0	25.0	59.0 - 121	73.6	80.0	ug/L	8.33	38.0
Hexachlorobenzene	1163654	19.1	19.8	25.0	0.100 - 152	76.4	79.2	ug/L	3.60	55.0
Hexachlorobutadiene	1163654	8.36	10.7	25.0	24.0 - 120	33.4	42.8	ug/L	24.7	62.0
Hexachlorocyclopentadiene	1163654	5.65	6.62	25.0	3.97 - 68.7	22.6	26.5	ug/L	15.9	50.0
Hexachloroethane	1163654	8.40	10.8	25.0	40.0 - 120	33.6 *	43.2	ug/L	25.0	52.0
Indeno(1,2,3-cd)pyrene	1163654	17.0	16.6	25.0	0.100 - 171	68.0	66.4	ug/L	2.38	99.0
Isophorone	1163654	18.3	19.8	25.0	21.0 - 196	73.2	79.2	ug/L	7.87	93.0
Naphthalene	1163654	11.7	14.5	25.0	21.0 - 133	46.8	58.0	ug/L	21.4	65.0
Nitrobenzene	1163654	16.7	18.9	25.0	35.0 - 180	66.8	75.6	ug/L	12.4	62.0

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QUALITY CONTROL

EDI1-R

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
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Project
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LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
n-Nitrosodiethylamine	1163654	16.0	18.2	25.0	18.0 - 100	64.0	72.8	ug/L	12.9	50.0
N-Nitrosodimethylamine	1163654	11.4	13.4	25.0	30.2 - 74.9	45.6	53.6	ug/L	16.1	50.0
n-Nitroso-di-n-butylamine	1163654	18.1	19.6	25.0	48.4 - 98.5	72.4	78.4	ug/L	7.96	50.0
N-Nitrosodi-n-propylamine	1163654	18.4	20.0	25.0	0.100 - 230	73.6	80.0	ug/L	8.33	87.0
N-Nitrosodiphenylamine (as DPA	1163654	20.9	21.2	25.0	49.3 - 94.2	83.6	84.8	ug/L	1.43	50.0
p-Chloro-m-Cresol (4-Chloro-3-me	1163654	15.9	17.7	25.0	22.0 - 147	63.6	70.8	ug/L	10.7	70.0
Pentachlorobenzene	1163654	15.0	17.0	25.0	39.3 - 93.7	60.0	68.0	ug/L	12.5	50.0
Pentachlorophenol	1163654	9.52	14.3	25.0	14.0 - 176	38.1	57.2	ug/L	40.1	86.0
Phenanthrene	1163654	20.5	21.2	25.0	54.0 - 120	82.0	84.8	ug/L	3.36	39.0
Phenol	1163654	6.10	7.05	25.0	5.00 - 120	24.4	28.2	ug/L	14.4	64.0
Pyrene	1163654	23.2	23.7	25.0	52.0 - 120	92.8	94.8	ug/L	2.13	49.0
Pyridine	1163654	6.89	6.15	25.0	11.2 - 50.6	27.6	24.6	ug/L	11.5	50.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
2,4,6-Tribromophenol	629859	CCV	56600	100000	ug/L	56.6	10.0 - 150	127390527
2-Fluorophenol-SURR	629859	CCV	56600	100000	ug/L	56.6	10.0 - 150	127390527
4-Terphenyl-d14-SURR	629859	CCV	62400	50000	ug/L	125	30.0 - 150	127390527
Nitrobenzene-d5-SURR	629859	CCV	52200	50000	ug/L	104	30.0 - 150	127390527
Phenol-d6-SURR	629859	CCV	56800	100000	ug/L	56.8	10.0 - 150	127390527
2,4,6-Tribromophenol	1163654	Blank	41.6	100	ug/L	41.6	10.0 - 150	127390528
2,4,6-Tribromophenol	1163654	LCS	55.7	100	ug/L	55.7	10.0 - 150	127390529
2,4,6-Tribromophenol	1163654	LCS Dup	70.7	100	ug/L	70.7	10.0 - 150	127390530
2-Fluorophenol-SURR	1163654	Blank	22900	100000	ug/L	22.9	10.0 - 150	127390528
2-Fluorophenol-SURR	1163654	LCS	30000	100000	ug/L	30.0	10.0 - 150	127390529
2-Fluorophenol-SURR	1163654	LCS Dup	37400	100000	ug/L	37.4	10.0 - 150	127390530
4-Terphenyl-d14-SURR	1163654	Blank	27400	50000	ug/L	54.8	30.0 - 150	127390528
4-Terphenyl-d14-SURR	1163654	LCS	38800	50000	ug/L	77.6	30.0 - 150	127390529
4-Terphenyl-d14-SURR	1163654	LCS Dup	40000	50000	ug/L	80.0	30.0 - 150	127390530
Nitrobenzene-d5-SURR	1163654	Blank	24800	50000	ug/L	49.6	30.0 - 150	127390528
Nitrobenzene-d5-SURR	1163654	LCS	30200	50000	ug/L	60.4	30.0 - 150	127390529
Nitrobenzene-d5-SURR	1163654	LCS Dup	34400	50000	ug/L	68.8	30.0 - 150	127390530
Phenol-d6-SURR	1163654	Blank	18100	100000	ug/L	18.1	10.0 - 150	127390528
Phenol-d6-SURR	1163654	LCS	23300	100000	ug/L	23.3	10.0 - 150	127390529
Phenol-d6-SURR	1163654	LCS Dup	27000	100000	ug/L	27.0	10.0 - 150	127390530
2,4,6-Tribromophenol	2385920	Unknown	65.9	122	ug/L	54.0	10.0 - 150	127390531
2-Fluorophenol-SURR	2385920	Unknown	36.3	122	ug/L	29.8	10.0 - 150	127390531
4-Terphenyl-d14-SURR	2385920	Unknown	31.5	60.8	ug/L	51.8	30.0 - 150	127390531
Nitrobenzene-d5-SURR	2385920	Unknown	36.4	60.8	ug/L	59.9	30.0 - 150	127390531
Phenol-d6-SURR	2385920	Unknown	27.5	122	ug/L	22.5	10.0 - 150	127390531

Analytical Set 1164751 — EPA 632

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Carbaryl (Sevin)	1163454	ND	66.1	2500	ug/L	127390592

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Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Diuron	1163454	ND	44.4	45.0	ug/L	127390592

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Carbaryl (Sevin)	1040	1000	ug/L	104	70.0 - 130	127390591
Carbaryl (Sevin)	1080	1000	ug/L	108	70.0 - 130	127390595
Carbaryl (Sevin)	1100	1000	ug/L	110	70.0 - 130	127390597
Carbaryl (Sevin)	1080	1000	ug/L	108	70.0 - 130	127390600
Carbaryl (Sevin)	1180	1000	ug/L	118	70.0 - 130	127390604
Carbaryl (Sevin)	1210	1000	ug/L	121	70.0 - 130	127390608
Diuron	973	1000	ug/L	97.3	70.0 - 130	127390591
Diuron	1130	1000	ug/L	113	70.0 - 130	127390595
Diuron	1040	1000	ug/L	104	70.0 - 130	127390597
Diuron	1000	1000	ug/L	100	70.0 - 130	127390600
Diuron	1100	1000	ug/L	110	70.0 - 130	127390604
Diuron	1120	1000	ug/L	112	70.0 - 130	127390608

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Carbaryl (Sevin)	1163454	883	841	1000	17.1 - 131	88.3	84.1	ug/L	4.87	30.0
Diuron	1163454	901	1160	1000	0.100 - 138	90.1	116	ug/L	25.1	30.0

Analytical Set 1164963 EPA 617

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Kelthane (Dicofol)	1163455	ND	3.52	5.00	ug/L	127394847
Methoxychlor	1163455	ND	0.897	1.00	ug/L	127394847
Mirex	1163455	ND	0.905	1.00	ug/L	127394847

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Kelthane (Dicofol)	99.0	100	ug/L	99.0	60.0 - 130	127394845
Kelthane (Dicofol)	98.6	100	ug/L	98.6	60.0 - 130	127394846
Kelthane (Dicofol)	101	100	ug/L	101	60.0 - 130	127394851
Methoxychlor	46.4	50.0	ug/L	92.9	70.0 - 130	127394845
Methoxychlor	42.3	50.0	ug/L	84.6	70.0 - 130	127394846
Methoxychlor	40.3	50.0	ug/L	80.5	70.0 - 130	127394851
Mirex	42.8	50.0	ug/L	85.5	70.0 - 130	127394845
Mirex	38.0	50.0	ug/L	76.0	70.0 - 130	127394846
Mirex	36.1	50.0	ug/L	72.2	70.0 - 130	127394851

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Kelthane (Dicofol)	1163455	148	168	100	0.100 - 137	148 *	168 *	ug/L	12.7	30.0
Methoxychlor	1163455	104	120	100	21.5 - 151	104	120	ug/L	14.3	30.0
Mirex	1163455	82.7	90.4	100	11.6 - 140	82.7	90.4	ug/L	8.90	30.0

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl		CCV	48.8	100	ug/L	48.8	10.0 - 150	127394845
Decachlorobiphenyl		CCV	42.8	100	ug/L	42.8	10.0 - 150	127394846
Decachlorobiphenyl		CCV	47.2	100	ug/L	47.2	10.0 - 150	127394851
Tetrachloro-m-Xylene (Surr)		CCV	44.8	100	ug/L	44.8	10.0 - 150	127394845
Tetrachloro-m-Xylene (Surr)		CCV	43.5	100	ug/L	43.5	10.0 - 150	127394846
Tetrachloro-m-Xylene (Surr)		CCV	40.1	100	ug/L	40.1	10.0 - 150	127394851
Decachlorobiphenyl	1163455	Blank	88.5	100	ug/L	88.5	10.0 - 150	127394847
Decachlorobiphenyl	1163455	LCS	95.5	100	ug/L	95.5	10.0 - 150	127394848
Decachlorobiphenyl	1163455	LCS Dup	120	100	ug/L	120	10.0 - 150	127394849
Tetrachloro-m-Xylene (Surr)	1163455	Blank	78.4	100	ug/L	78.4	10.0 - 150	127394847
Tetrachloro-m-Xylene (Surr)	1163455	LCS	64.3	100	ug/L	64.3	10.0 - 150	127394848
Tetrachloro-m-Xylene (Surr)	1163455	LCS Dup	71.4	100	ug/L	71.4	10.0 - 150	127394849
Decachlorobiphenyl	2385920	Unknown	0.0185	0.101	ug/L	18.3	10.0 - 150	127394850
Tetrachloro-m-Xylene (Surr)	2385920	Unknown	0.0306	0.101	ug/L	30.3	10.0 - 150	127394850

Analytical Set 1164970 — EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		File
4,4-DDD	1163455	ND	0.731	1.00	ug/L		127395001
4,4-DDE	1163455	ND	0.361	1.00	ug/L		127395001
4,4-DDT	1163455	ND	0.862	1.00	ug/L		127395001
Aldrin	1163455	ND	0.260	1.00	ug/L		127395001
Alpha-BHC(hexachlorocyclohexane)	1163455	ND	0.280	1.00	ug/L		127395001
Beta-BHC(hexachlorocyclohexane)	1163455	1.98	0.579	1.00	ug/L	*	127395001
Delta-BHC(hexachlorocyclohexane)	1163455	ND	0.898	1.00	ug/L		127395001
Dieldrin	1163455	ND	0.162	1.00	ug/L		127395001
Endosulfan I (alpha)	1163455	ND	0.679	1.00	ug/L		127395001
Endosulfan II (beta)	1163455	ND	0.356	1.00	ug/L		127395001
Endosulfan sulfate	1163455	0.715	0.588	1.00	ug/L		127395001
Endrin	1163455	ND	0.538	1.00	ug/L		127395001
Endrin aldehyde	1163455	ND	0.699	1.00	ug/L		127395001
Gamma-BHC(Lindane)	1163455	0.474	0.385	1.00	ug/L		127395001
Heptachlor	1163455	0.623	0.207	1.00	ug/L		127395001
Heptachlor epoxide	1163455	ND	0.660	1.00	ug/L		127395001
Toxaphene	1163455	ND	0.169	0.200	ug/L		127395001

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
4,4-DDD	45.9	50.0	ug/L	91.8	75.0 - 125	127394999
4,4-DDD	41.6	50.0	ug/L	83.2	75.0 - 125	127395000
4,4-DDD	41.5	50.0	ug/L	83.0	75.0 - 125	127395005
4,4-DDE	44.9	50.0	ug/L	89.8	75.0 - 125	127394999
4,4-DDE	42.2	50.0	ug/L	84.4	75.0 - 125	127395000
4,4-DDE	50.2	50.0	ug/L	100	75.0 - 125	127395005
4,4-DDT	46.9	50.0	ug/L	93.8	75.0 - 125	127394999

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CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*		*File*
4,4-DDT	42.3	50.0	ug/L	84.6	75.0 - 125		127395000
4,4-DDT	38.5	50.0	ug/L	77.0	75.0 - 125		127395005
Aldrin	45.9	50.0	ug/L	91.8	75.0 - 125		127394999
Aldrin	43.4	50.0	ug/L	86.8	75.0 - 125		127395000
Aldrin	47.1	50.0	ug/L	94.2	75.0 - 125		127395005
Alpha-BHC(hexachlorocyclohexane)	46.7	50.0	ug/L	93.4	75.0 - 125		127394999
Alpha-BHC(hexachlorocyclohexane)	44.5	50.0	ug/L	89.0	75.0 - 125		127395000
Alpha-BHC(hexachlorocyclohexane)	43.3	50.0	ug/L	86.6	75.0 - 125		127395005
Beta-BHC(hexachlorocyclohexane)	47.4	50.0	ug/L	94.8	75.0 - 125		127394999
Beta-BHC(hexachlorocyclohexane)	44.4	50.0	ug/L	88.8	75.0 - 125		127395000
Beta-BHC(hexachlorocyclohexane)	43.1	50.0	ug/L	86.2	75.0 - 125		127395005
Delta-BHC(hexachlorocyclohexane)	48.1	50.0	ug/L	96.2	75.0 - 125		127394999
Delta-BHC(hexachlorocyclohexane)	45.2	50.0	ug/L	90.4	75.0 - 125		127395000
Delta-BHC(hexachlorocyclohexane)	45.2	50.0	ug/L	90.4	75.0 - 125		127395005
Dieldrin	45.1	50.0	ug/L	90.2	75.0 - 125		127394999
Dieldrin	41.6	50.0	ug/L	83.2	75.0 - 125		127395000
Dieldrin	42.4	50.0	ug/L	84.8	75.0 - 125		127395005
Endosulfan I (alpha)	44.1	50.0	ug/L	88.2	75.0 - 125		127394999
Endosulfan I (alpha)	41.1	50.0	ug/L	82.2	75.0 - 125		127395000
Endosulfan I (alpha)	41.4	50.0	ug/L	82.8	75.0 - 125		127395005
Endosulfan II (beta)	44.5	50.0	ug/L	89.0	75.0 - 125		127394999
Endosulfan II (beta)	40.0	50.0	ug/L	80.0	75.0 - 125		127395000
Endosulfan II (beta)	38.0	50.0	ug/L	76.0	75.0 - 125		127395005
Endosulfan sulfate	49.6	50.0	ug/L	99.2	75.0 - 125		127394999
Endosulfan sulfate	43.6	50.0	ug/L	87.2	75.0 - 125		127395000
Endosulfan sulfate	42.9	50.0	ug/L	85.8	75.0 - 125		127395005
Endrin	46.0	50.0	ug/L	92.0	75.0 - 125		127394999
Endrin	42.8	50.0	ug/L	85.6	75.0 - 125		127395000
Endrin	46.7	50.0	ug/L	93.4	75.0 - 125		127395005
Endrin aldehyde	49.4	50.0	ug/L	98.8	75.0 - 125		127394999
Endrin aldehyde	44.4	50.0	ug/L	88.8	75.0 - 125		127395000
Endrin aldehyde	41.0	50.0	ug/L	82.0	75.0 - 125		127395005
Gamma-BHC(Lindane)	46.0	50.0	ug/L	92.0	75.0 - 125		127394999
Gamma-BHC(Lindane)	43.2	50.0	ug/L	86.4	75.0 - 125		127395000
Gamma-BHC(Lindane)	36.3	50.0	ug/L	72.6	75.0 - 125	*	127395005
Heptachlor	43.8	50.0	ug/L	87.6	75.0 - 125		127394999
Heptachlor	40.3	50.0	ug/L	80.6	75.0 - 125		127395000
Heptachlor	35.7	50.0	ug/L	71.4	75.0 - 125	*	127395005
Heptachlor epoxide	44.7	50.0	ug/L	89.4	75.0 - 125		127394999
Heptachlor epoxide	41.7	50.0	ug/L	83.4	75.0 - 125		127395000
Heptachlor epoxide	44.9	50.0	ug/L	89.8	75.0 - 125		127395005

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
4,4-DDD	1163455	98.0	106	100	31.0 - 141	98.0	106	ug/L	7.84	39.0

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
4,4-DDE	1163455	92.4	96.9	100	30.0 - 145	92.4	96.9	ug/L	4.75	35.0
4,4-DDT	1163455	101	113	100	25.0 - 160	101	113	ug/L	11.2	42.0
Aldrin	1163455	74.5	83.6	100	42.0 - 140	74.5	83.6	ug/L	11.5	35.0
Alpha-BHC(hexachlorocyclohexane)	1163455	95.4	95.5	100	37.0 - 140	95.4	95.5	ug/L	0.105	36.0
Beta-BHC(hexachlorocyclohexane)	1163455	104	108	100	17.0 - 147	104	108	ug/L	3.77	44.0
Delta-BHC(hexachlorocyclohexane)	1163455	104	110	100	19.0 - 140	104	110	ug/L	5.61	52.0
Dieldrin	1163455	94.0	98.6	100	36.0 - 146	94.0	98.6	ug/L	4.78	49.0
Endosulfan I (alpha)	1163455	92.7	96.0	100	45.0 - 153	92.7	96.0	ug/L	3.50	28.0
Endosulfan II (beta)	1163455	98.7	105	100	0.100 - 202	98.7	105	ug/L	6.19	53.0
Endosulfan sulfate	1163455	108	118	100	26.0 - 144	108	118	ug/L	8.85	38.0
Endrin	1163455	99.5	106	100	30.0 - 147	99.5	106	ug/L	6.33	48.0
Endrin aldehyde	1163455	117	125	100	37.6 - 158	117	125	ug/L	6.61	30.0
Gamma-BHC(Lindane)	1163455	92.3	96.8	100	32.0 - 140	92.3	96.8	ug/L	4.76	39.0
Heptachlor	1163455	70.8	81.4	100	34.0 - 140	70.8	81.4	ug/L	13.9	43.0
Heptachlor epoxide	1163455	91.9	95.8	100	37.0 - 142	91.9	95.8	ug/L	4.16	26.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl		CCV	48.8	100	ug/L	48.8	0.100 - 144	127394999
Decachlorobiphenyl		CCV	42.8	100	ug/L	42.8	0.100 - 144	127395000
Decachlorobiphenyl		CCV	47.2	100	ug/L	47.2	0.100 - 144	127395005
Tetrachloro-m-Xylene (Surr)		CCV	44.8	100	ug/L	44.8	0.100 - 107	127394999
Tetrachloro-m-Xylene (Surr)		CCV	43.5	100	ug/L	43.5	0.100 - 107	127395000
Tetrachloro-m-Xylene (Surr)		CCV	40.1	100	ug/L	40.1	0.100 - 107	127395005
Decachlorobiphenyl	1163455	Blank	88.5	100	ug/L	88.5	0.100 - 144	127395001
Decachlorobiphenyl	1163455	LCS	95.5	100	ug/L	95.5	0.100 - 144	127395002
Decachlorobiphenyl	1163455	LCS Dup	120	100	ug/L	120	0.100 - 144	127395003
Tetrachloro-m-Xylene (Surr)	1163455	Blank	78.4	100	ug/L	78.4	0.100 - 107	127395001
Tetrachloro-m-Xylene (Surr)	1163455	LCS	64.3	100	ug/L	64.3	0.100 - 107	127395002
Tetrachloro-m-Xylene (Surr)	1163455	LCS Dup	71.4	100	ug/L	71.4	0.100 - 107	127395003
Decachlorobiphenyl	2385920	Unknown	0.0185	0.101	ug/L	18.3	0.100 - 144	127395004
Tetrachloro-m-Xylene (Surr)	2385920	Unknown	0.0306	0.101	ug/L	30.3	0.100 - 107	127395004

Analytical Set 1165176 — ASTM D7065-17

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Nonylphenol	1164182	ND	5.00	30.0	ug/L	127399049

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nonylphenol	348000	300000	ug/L	116	70.0 - 130	127399048
Nonylphenol	353000	300000	ug/L	118	70.0 - 130	127399060

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	626988	CCV	1445000	1445000	722600	2168000	127399048	626988

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IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	626988	CCV	1359000	1445000	722600	2168000	127399060	626988
Phenanthrene-d10-ISTD	626988	CCV	1953000	1953000	976600	2930000	127399048	626988
Phenanthrene-d10-ISTD	626988	CCV	1944000	1953000	976600	2930000	127399060	626988
Acenaphthene-d10-ISTD	1164182	Blank	821500	1445000	722600	2168000	127399049	1164182
Acenaphthene-d10-ISTD	1164182	LCS	817300	1445000	722600	2168000	127399050	1164182
Acenaphthene-d10-ISTD	1164182	LCS Dup	972800	1445000	722600	2168000	127399051	1164182
Phenanthrene-d10-ISTD	1164182	Blank	1205000	1953000	976600	2930000	127399049	1164182
Phenanthrene-d10-ISTD	1164182	LCS	1205000	1953000	976600	2930000	127399050	1164182
Phenanthrene-d10-ISTD	1164182	LCS Dup	1408000	1953000	976600	2930000	127399051	1164182
Acenaphthene-d10-ISTD	2385920	Unknown	743800	1445000	722600	2168000	127399057	1164182
Phenanthrene-d10-ISTD	2385920	Unknown	1084000	1953000	976600	2930000	127399057	1164182

IS RetTime

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
Acenaphthene-d10-ISTD	626988	CCV	7.059	7.059	6.999	7.119	127399048	626988
Acenaphthene-d10-ISTD	626988	CCV	7.059	7.059	6.999	7.119	127399060	626988
Phenanthrene-d10-ISTD	626988	CCV	8.297	8.297	8.237	8.357	127399048	626988
Phenanthrene-d10-ISTD	626988	CCV	8.291	8.297	8.237	8.357	127399060	626988
Acenaphthene-d10-ISTD	1164182	Blank	7.053	7.059	6.999	7.119	127399049	1164182
Acenaphthene-d10-ISTD	1164182	LCS	7.053	7.059	6.999	7.119	127399050	1164182
Acenaphthene-d10-ISTD	1164182	LCS Dup	7.053	7.059	6.999	7.119	127399051	1164182
Phenanthrene-d10-ISTD	1164182	Blank	8.285	8.297	8.237	8.357	127399049	1164182
Phenanthrene-d10-ISTD	1164182	LCS	8.285	8.297	8.237	8.357	127399050	1164182
Phenanthrene-d10-ISTD	1164182	LCS Dup	8.291	8.297	8.237	8.357	127399051	1164182
Acenaphthene-d10-ISTD	2385920	Unknown	7.053	7.059	6.999	7.119	127399057	1164182
Phenanthrene-d10-ISTD	2385920	Unknown	8.291	8.297	8.237	8.357	127399057	1164182

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Nonylphenol	1164182	95.5	107	150	56.0 - 112	63.7	71.3	ug/L	11.3	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
4-Nonylphenol-SURR	626988	CCV	55400	50000	ug/L	111	50.0 - 130	127399048
4-Nonylphenol-SURR	626988	CCV	52600	50000	ug/L	105	50.0 - 130	127399060
4-Nonylphenol-SURR	1164182	Blank	11100	25000	ug/L	44.4 *	50.0 - 130	127399049
4-Nonylphenol-SURR	1164182	LCS	13800	25000	ug/L	55.2	50.0 - 130	127399050
4-Nonylphenol-SURR	1164182	LCS Dup	15800	25000	ug/L	63.2	50.0 - 130	127399051
4-Nonylphenol-SURR	2385920	Unknown	18.1	30.3	ug/L	59.7	50.0 - 130	127399057

Analytical Set 1165568 EPA 608.3

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1016	1163457	ND	0.202	0.202	ug/L	127407990
PCB-1221	1163457	ND	0.143	0.200	ug/L	127407990
PCB-1232	1163457	ND	0.143	0.200	ug/L	127407990

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
PCB-1242	1163457	ND	0.192	0.200	ug/L	127407990
PCB-1248	1163457	ND	0.143	0.200	ug/L	127407990
PCB-1254	1163457	ND	0.143	0.200	ug/L	127407990
PCB-1260	1163457	ND	0.161	0.200	ug/L	127407990

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
PCB-1016	835	1000	ug/L	83.5	80.0 - 115	127407989
PCB-1016	1070	1000	ug/L	107	80.0 - 115	127407994
PCB-1260	822	1000	ug/L	82.2	80.0 - 115	127407989
PCB-1260	1120	1000	ug/L	112	80.0 - 115	127407994

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
PCB-1016	1163457	5.87	6.39	10.0	39.8 - 135	58.7	63.9	ug/L	8.48	30.0
PCB-1260	1163457	5.62	5.37	10.0	36.1 - 134	56.2	53.7	ug/L	4.55	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Decachlorobiphenyl	1163457	Blank	88.5	100	ug/L	88.5	10.0 - 200	127407990
Tetrachloro-m-Xylene (Surr)	1163457	Blank	78.4	100	ug/L	78.4	10.0 - 200	127407990
Decachlorobiphenyl	2385920	Unknown	0.0185	0.101	ug/L	18.3	10.0 - 200	127407993
Tetrachloro-m-Xylene (Surr)	2385920	Unknown	0.0306	0.101	ug/L	30.3	10.0 - 200	127407993

Analytical Set 1165611 EPA 615

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
2,4 Dichlorophenoxyacetic acid	1164499	34.8	15.9	50.0	ug/L	127409689
2,4,5-TP (Silvex)	1164499	22.8	8.93	30.0	ug/L	127409689

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
2,4 Dichlorophenoxyacetic acid	143	150	ug/L	95.2	80.0 - 115	127409683
2,4 Dichlorophenoxyacetic acid	137	150	ug/L	91.1	80.0 - 115	127409692
2,4,5-TP (Silvex)	149	150	ug/L	99.3	80.0 - 115	127409683
2,4,5-TP (Silvex)	150	150	ug/L	99.8	80.0 - 115	127409692

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
2,4 Dichlorophenoxyacetic acid	1164499	88.6	84.8	100	0.100 - 319	88.6	84.8	ug/L	4.38	30.0
2,4,5-TP (Silvex)	1164499	91.4	86.5	100	0.100 - 244	91.4	86.5	ug/L	5.51	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	154	200	ug/L	77.0	0.100 - 313	127409683
2,4-Dichlorophenylacetic Acid		CCV	160	200	ug/L	80.0	0.100 - 313	127409692
2,4-Dichlorophenylacetic Acid	1164499	LCS	196	200	ug/L	98.0	0.100 - 313	127409687

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid	1164499	LCS Dup	176	200	ug/L	88.0	0.100 - 313	127409688
2,4-Dichlorophenylacetic Acid	1164499	Blank	166	200	ug/L	83.0	0.100 - 313	127409689
2,4-Dichlorophenylacetic Acid	2385920	Unknown	1.30	1.92	ug/L	67.7	0.100 - 313	127409690

Analytical Set 1165737 — EPA 622

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chlorpyrifos	1163456	ND	0.0000904	0.050	ug/L	127412500

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chlorpyrifos	1060	1000	ug/L	106	48.0 - 150	127412499
Chlorpyrifos	1110	1000	ug/L	111	48.0 - 150	127412505
Chlorpyrifos	1220	1000	ug/L	122	48.0 - 150	127412506
Chlorpyrifos	1100	1000	ug/L	110	48.0 - 150	127412508

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chlorpyrifos	1163456	0.562	0.517	1.00	0.100 - 128	56.2	51.7	ug/L	8.34	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1080	1000	ug/L	108	0.100 - 115	127412499
Tributylphosphate		CCV	1050	1000	ug/L	105	0.100 - 115	127412505
Tributylphosphate		CCV	1160	1000	ug/L	116 *	0.100 - 115	127412506
Tributylphosphate		CCV	1030	1000	ug/L	103	0.100 - 115	127412508
Triphenylphosphate		CCV	1030	1000	ug/L	103	0.100 - 115	127412499
Triphenylphosphate		CCV	1310	1000	ug/L	131 *	0.100 - 115	127412505
Triphenylphosphate		CCV	1370	1000	ug/L	137 *	0.100 - 115	127412506
Triphenylphosphate		CCV	1280	1000	ug/L	128 *	0.100 - 115	127412508
Tributylphosphate	1163456	Blank	663	1000	ug/L	66.3	0.100 - 115	127412500
Tributylphosphate	1163456	LCS	519	1000	ug/L	51.9	0.100 - 115	127412501
Tributylphosphate	1163456	LCS Dup	498	1000	ug/L	49.8	0.100 - 115	127412502
Triphenylphosphate	1163456	Blank	751	1000	ug/L	75.1	0.100 - 115	127412500
Triphenylphosphate	1163456	LCS	599	1000	ug/L	59.9	0.100 - 115	127412501
Triphenylphosphate	1163456	LCS Dup	566	1000	ug/L	56.6	0.100 - 115	127412502

Analytical Set 1165738 — EPA 614

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Azinphos-methyl (Guthion)	1163456	ND	41.4	50.0	ug/L	127412510
Demeton	1163456	ND	31.9	50.0	ug/L	127412510
Diazinon	1163456	ND	19.7	50.0	ug/L	127412510
Malathion	1163456	ND	24.8	50.0	ug/L	127412510
Parathion, ethyl	1163456	ND	23.9	50.0	ug/L	127412510

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
Parathion, methyl	1163456	ND	27.4	50.0	ug/L	127412510

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Azinphos-methyl (Guthion)	1050	1000	ug/L	105	37.5 - 164	127412509
Azinphos-methyl (Guthion)	1170	1000	ug/L	117	37.5 - 164	127412515
Azinphos-methyl (Guthion)	1500	1000	ug/L	150	37.5 - 164	127412516
Azinphos-methyl (Guthion)	1090	1000	ug/L	109	37.5 - 164	127412517
Demeton	1030	1000	ug/L	103	58.6 - 150	127412509
Demeton	1040	1000	ug/L	104	58.6 - 150	127412515
Demeton	1110	1000	ug/L	111	58.6 - 150	127412516
Demeton	1030	1000	ug/L	103	58.6 - 150	127412517
Diazinon	1020	1000	ug/L	102	65.4 - 138	127412509
Diazinon	1040	1000	ug/L	104	65.4 - 138	127412515
Diazinon	1190	1000	ug/L	119	65.4 - 138	127412516
Diazinon	1030	1000	ug/L	103	65.4 - 138	127412517
Malathion	1030	1000	ug/L	103	49.5 - 160	127412509
Malathion	1040	1000	ug/L	104	49.5 - 160	127412515
Malathion	956	1000	ug/L	95.6	49.5 - 160	127412516
Malathion	1020	1000	ug/L	102	49.5 - 160	127412517
Parathion, ethyl	1030	1000	ug/L	103	56.0 - 142	127412509
Parathion, ethyl	1020	1000	ug/L	102	56.0 - 142	127412515
Parathion, ethyl	988	1000	ug/L	98.8	56.0 - 142	127412516
Parathion, ethyl	951	1000	ug/L	95.1	56.0 - 142	127412517
Parathion, methyl	1060	1000	ug/L	106	12.6 - 194	127412509
Parathion, methyl	891	1000	ug/L	89.1	12.6 - 194	127412515
Parathion, methyl	1010	1000	ug/L	101	12.6 - 194	127412516
Parathion, methyl	829	1000	ug/L	82.9	12.6 - 194	127412517

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Azinphos-methyl (Guthion)	1163456	774	670	1000	0.100 - 155	77.4	67.0	ug/L	14.4	30.0
Demeton	1163456	392	384	1000	0.100 - 109	39.2	38.4	ug/L	2.06	30.0
Diazinon	1163456	541	512	1000	0.100 - 125	54.1	51.2	ug/L	5.51	30.0
Malathion	1163456	503	465	1000	0.100 - 130	50.3	46.5	ug/L	7.85	30.0
Parathion, ethyl	1163456	549	500	1000	0.100 - 122	54.9	50.0	ug/L	9.34	30.0
Parathion, methyl	1163456	570	460	1000	0.100 - 131	57.0	46.0	ug/L	21.4	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Tributylphosphate		CCV	1080	2000	ug/L	54.0	0.100 - 106	127412509
Tributylphosphate		CCV	1050	2000	ug/L	52.5	0.100 - 106	127412515
Tributylphosphate		CCV	1160	2000	ug/L	58.0	0.100 - 106	127412516
Tributylphosphate		CCV	1030	2000	ug/L	51.5	0.100 - 106	127412517
Triphenylphosphate		CCV	1030	2000	ug/L	51.5	0.100 - 172	127412509
Triphenylphosphate		CCV	1310	2000	ug/L	65.5	0.100 - 172	127412515

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Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Triphenylphosphate		CCV	1370	2000	ug/L	68.5	0.100 - 172	127412516
Triphenylphosphate		CCV	1280	2000	ug/L	64.0	0.100 - 172	127412517
Tributylphosphate	1163456	Blank	663	2000	ug/L	33.2	0.100 - 106	127412510
Tributylphosphate	1163456	LCS	519	2000	ug/L	26.0	0.100 - 106	127412511
Tributylphosphate	1163456	LCS Dup	498	2000	ug/L	24.9	0.100 - 106	127412512
Triphenylphosphate	1163456	Blank	751	2000	ug/L	37.6	0.100 - 172	127412510
Triphenylphosphate	1163456	LCS	599	2000	ug/L	30.0	0.100 - 172	127412511
Triphenylphosphate	1163456	LCS Dup	566	2000	ug/L	28.3	0.100 - 172	127412512
Tributylphosphate	2385920	Unknown	0.472	2.01	ug/L	23.5	0.100 - 106	127412518
Triphenylphosphate	2385920	Unknown	0.478	2.01	ug/L	23.8	0.100 - 172	127412518

Analytical Set 1166614 — TX 1001

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Tributyltin hydride	1164497	ND	0.005	0.007	ug/L	127431025

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Tributyltin hydride	50900	50000	ug/L	102	70.0 - 130	127431024

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Tributyltin hydride	1164497	216	293	500	0.100 - 211	43.2	58.6	ug/L	30.3 *	30.0

Analytical Set 1166849 — EPA 604.1

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Hexachlorophene	1164187	ND	0.890	2.50	ug/L	127437159

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Hexachlorophene	5030	5000	ug/L	101	70.0 - 130	127437158
Hexachlorophene	5050	5000	ug/L	101	70.0 - 130	127437162
Hexachlorophene	5080	5000	ug/L	102	70.0 - 130	127437164
Hexachlorophene	5140	5000	ug/L	103	70.0 - 130	127437168

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Hexachlorophene	1164187	36.8	24.1	50.0	25.5 - 145	73.6	48.2	ug/L	41.7	50.0

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

Recover% is Recovery Percent: result / known * 100%

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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); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); BFB - Bromofluorobenzene, GC/MS Tuning Compound (mass intensity used as tuning acceptance criteria.); 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.); IS Areas - Internal Standard Area (The area of the internal stadard relative to a check standard. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (the time the internal standard comes off the column. Internal Stardard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); CCB - Continuing Calibration Blank; AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; ICV - Initial Calibration Verification; MRL Check - Minimum Reporting Limit Check Std; DFTPP - GC/MS Tuning Compound

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Lab Number 238592O

PO Number Mandatory P250717

Phone 956/292-2045

Effluent Permit Renewal

☐ *Hand Delivered by Client to Region or LAB*

Matrix: Non-Potable Water

Sample Collection Start

Date: 3/03/2025 Time: 14:00

! DIX Sent to Sub Lab

Sampler Printed Name: REY DE LEON

Sampler Affiliation: SPL

Sampler Signature: Rleyde

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

0 On Site Testing

ClCk Field Cl2 Check for CNa

Field Cl2 Check for CNa

Collected By RDL Date 3/03/25 Time 14:00 Analyzed By RDL Date 3/03/25 Time 14:05

Results 0.06 Units mg/L Temp. 26.0 C Duplicate 0.07 Units mg/L Temp. 26.3 C

R1 0.07 R2 0.01 QC R1 0.08 QC R2 0.01

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa

Collected By RDL Date 3/03/25 Time 14:00 Analyzed By RDL Date 3/03/25 Time 14:07

NEGATIVE RDL

Results 7.86 Units mg/L Temp. _____ C Duplicate NEGATIVE Units mg/L Temp. _____ C

R1 _____ R2 _____ QC R1 _____ QC R2 _____

---

9 Amber Glass Qt w/Teflon lined lid

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Edinburg, TX 78539-

EDI1 -R
111

NELAC	*AlM	Aluminum, Total	EPA 200.8 5.4 CAS:7429-90-5 (180 days)
NELAC	*AsM	Arsenic, Total	EPA 200.8 5.4 CAS:7440-38-2 (180 days)
NELAC	*BaM	Barium, Total	EPA 200.8 5.4 CAS:7440-39-3 (180 days)
NELAC	*BeM	Beryllium, Total	EPA 200.8 5.4 CAS:7440-41-7 (180 days)
NELAC	*CdM	Cadmium, Total	EPA 200.8 5.4 CAS:7440-43-9 (180 days)
NELAC	*CrM	Chromium, Total	EPA 200.8 5.4 CAS:7440-47-3 (180 days)
NELAC	*CuM	Copper, Total	EPA 200.8 5.4 CAS:7440-50-8 (180 days)
NELAC	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
NELAC	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
NELAC	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
NELAC	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
NELAC	*TlM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
NELAC	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)

3 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

Short Hold	!D2V	Table D-1/D-2 Volatile Expansion	EPA 624.1 (3.00 days)

1 Glass /clean metals w/HCl

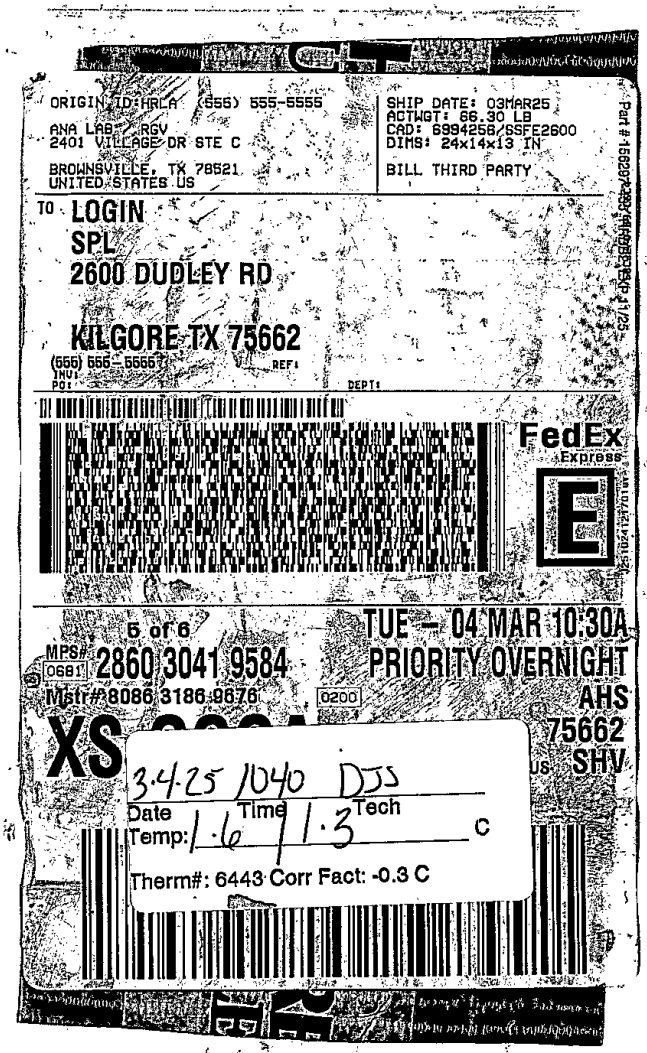
NELAC	*Hgl	Mercury, Total (low level)	EPA 245.7 2 CAS:7439-97-6 (90.0 days)
NELAC	245l	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

2 NaOH to pH >12 Polyethylene 250 mL/amber

NELAC	CNa	Cyanide, total	SM 4500-CN⁻ E-2016 (14.0 days)
NELAC	CN-A	Cyanide - Available/Amenable	SM 4500-CN⁻ G-2016 (14.0 days)
NELAC	CNCl	Cyanide After Chlorination	SM 4500-CN⁻ G-2016 (14.0 days)

1 Polyethylene Quart

NELAC	!FlL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	!N3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)


ORIGIN ID:HRLA (555) 555-5555
ANA LAB - RGV
2401 VILLAGE DR STE C
BROWNSVILLE, TX 78521
UNITED STATES US
SHIP DATE: 03MAR25
ACTWGT: 66.30 LB
CAD: 6994258/SSFE2600
DIMS: 24x14x13 IN
BILL THIRD PARTY
TO LOGIN
SPL
2600 DUDLEY RD
KILGORE TX 75662
(555) 555-5555
REF:
PO:
DEPT:
FedEx
Express
5 of 6
MPS# 2860 3041 9584
Mstr# 8086 3186 9676
TUE - 04 MAR 10:30A
PRIORITY OVERNIGHT
AHS
75662
US SHV
XS
3.4.25 1040 DJS
Date Time Tech
Temp: 16 1.3 C
Therm#: 6443 Corr Fact: -0.3 C

2600 Dudley Rd. Kilgore, Texas 75662
Office: 903-984-0551 * Fax: 903-984-5914

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Printed 02/27/2025 Page 1 of 4

City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

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111

Lab Number 2385920
PO Number Mandatory P250717
Phone 956/292-2045

Effluent Permit Renewal

☐ *Hand Delivered by Client to Region or LAB*

Matrix: Non-Potable Water

Sample Collection Start
Date: 3/03/2025 Time: 14:00

! DIX Sent to Sub Lab

Sampler Printed Name: REY DE LEON
Sampler Affiliation: SPL
Sampler Signature: Rey de

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

0 On Site Testing

ClCk Field Cl2 Check for CNa

Field Cl2 Check for CNa

Collected By RDL Date 3/03/25 Time 14:00 Analyzed By RDL Date 3/03/25 Time 14:05

Results 0.06 Units mg/L Temp. 26.0 C Duplicate 0.07 Units mg/L Temp. 26.3 C
R1 0.07 R2 0.01 QC R1 0.08 QC R2 0.01

S2Ck Field Sulfide Check for CNa

Field Sulfide Check for CNa

Collected By RDL Date 3/03/25 Time 14:00 Analyzed By RDL Date 3/03/25 Time 14:07

Results NEGATIVE RDL Units mg/L Temp. _____ C Duplicate NEGATIVE Units mg/L Temp. _____ C
R1 _____ R2 _____ QC R1 _____ QC R2 _____

---

9 Amber Glass Qt w/Teflon lined lid

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Office: 903-984-0551 * Fax: 903-984-5914

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Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

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		!CPP	Permit Organophos. Pesticides	EPA 614 (7.00 days)
NELAC		!CPR	TTO PCB	EPA 608.3 (7.00 days)
NELAC		!D2S	Table D-1/ D-2 Semivolatiles Exp	EPA 625.1 (7.00 days)
NELAC		!HER	Herbicides by GC	EPA 615 (7.00 days)
NELAC		!PPR	TTO Pesticides	EPA 608.3 (7.00 days)
z		#MDR	For use with !PPR only	EPA 617 (7.00 days)
NELAC		402E	For use with EXP !CPP only	EPA 622 (7.00 days)
		HXPE	Hexachlorophene Expansion	EPA 604.1 CAS:70-30-4 (7.00 days)
		TBTE	Butyltin Expansion	TX 1001 (14.0 days)
NELAC		TYLC	Carbaryl/Diuron	EPA 632 (7.00 days)

2 Glass Vial 40 mL (Zero Headspace) w/Teflon lined lid

NELAC	Short Hold	$AAE	Acrolein/Acrylonitrile Exp.	EPA 624.1 (3.00 days)

2 H2SO4 to pH <2 GlQt w/Tef-lined lid

		NYPE	Nonyl Phenol Expansion	ASTM D7065-17 (14.0 days)

1 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid

NELAC		Phna	Phenolics, Total Recoverable	EPA 420.4 1 (28.0 days)

3 Amber Glass Liter w/Teflon lined lid

	Subcontract	!DIX	Dioxins and Furans Subcontract	1613 CAS:ION1 (30.0 days)

0 Z -- No bottle required

	Subcontract	100S	SUB Shipped	
		CKLM	Check Limits	
NELAC	Short Hold	Cr+3	Trivalent Chromium	Calculation CAS:16065-83-1 (1.00 days)
		P150	Pickup/Sampling/Transport	
		SKL	Sub Hold: PM Attn	

1 HNO3 to pH <2 Polyethylene 500 mL for Metals

NELAC		*AgM	Silver, Total	EPA 200.8 5.4 CAS:7440-22-4 (180 days)

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City of Edinburg
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NELAC	*AlM	Aluminum, Total	EPA 200.8 5.4 CAS:7429-90-5 (180 days)
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NELAC	*NiM	Nickel, Total	EPA 200.8 5.4 CAS:7440-02-0 (180 days)
NELAC	*PbM	Lead, Total	EPA 200.8 5.4 CAS:7439-92-1 (180 days)
NELAC	*SbM	Antimony, Total	EPA 200.8 5.4 CAS:7440-36-0 (180 days)
NELAC	*SeM	Selenium, Total	EPA 200.8 5.4 CAS:7782-49-2 (180 days)
NELAC	*TlM	Thallium, Total	EPA 200.8 5.4 CAS:7440-28-0 (180 days)
NELAC	*ZnM	Zinc, Total	EPA 200.8 5.4 CAS:7440-66-6 (180 days)
	301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)

3 Na2S2O3 (0.008%) Glass 40 mL vial w/Teflon lined lid (zero headspace)

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1 Glass /clean metals w/HCl

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NELAC	245l	Low Level Mercury Liquid Metals	EPA 245.7 2 (90.0 days)

2 NaOH to pH >12 Polyethylene 250 mL/amber

NELAC	CNa	Cyanide, total	SM 4500-CN⁻ E-2016 (14.0 days)
NELAC	CN-A	Cyanide - Available/Amenable	SM 4500-CN⁻ G-2016 (14.0 days)
NELAC	CNCl	Cyanide After Chlorination	SM 4500-CN⁻ G-2016 (14.0 days)

1 Polyethylene Quart

NELAC	!FlL	Fluoride	EPA 300.0 2.1 (28.0 days)
NELAC Short Hold	!N3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)

2600 Dudley Rd. Kilgore, Texas 75662
Office: 903-984-0551 * Fax: 903-984-5914

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City of Edinburg
Arturo Martinez
Wastewater Plant
P.O. Box 1079
Edinburg, TX 78539-

EDI1 -R
111

1 **Cr+6 Preserved 250 Polyethylene**

NELAC **Short Hold** Cr+6 Hexavalent Chromium SM 3500-Cr B-2011 CAS:18540-29-9 (1.00 days)

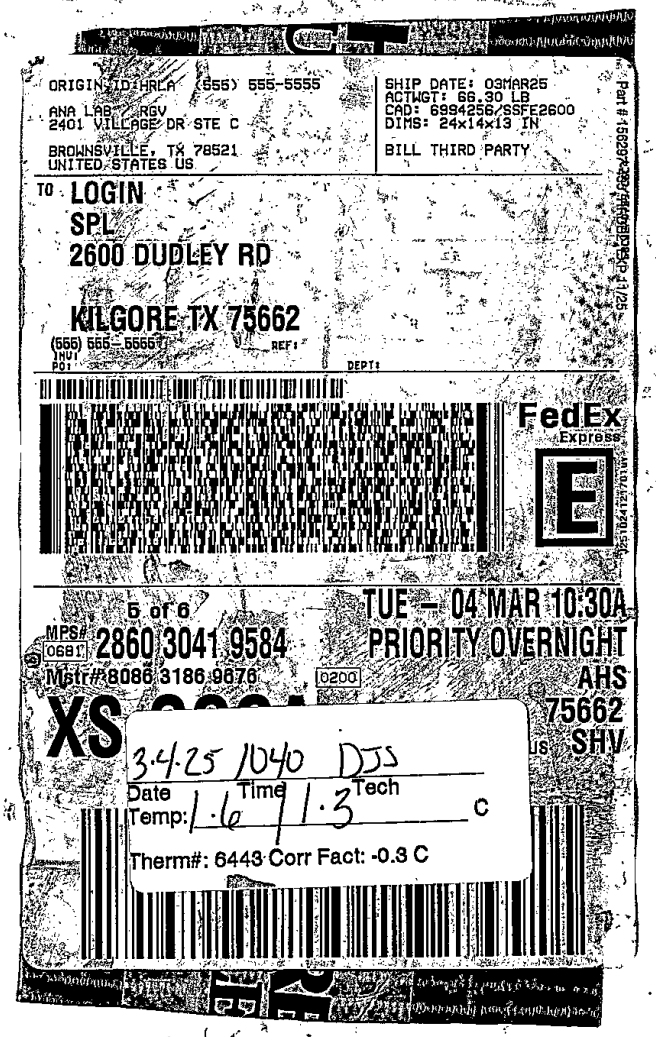
Ambient Conditions/Comments

Date	Time	Relinquished	Received
3/03/25	17:30	Printed Name R DELEON Affiliation SPL	Printed Name FedEx Affiliation
		Signature	Signature
3/4/25	1030	Printed Name Fed Ex Affiliation	Printed Name Doris Stoker - SPL, Inc. Affiliation
		Signature	Signature
		Printed Name Affiliation	Printed Name Affiliation
		Signature	Signature
		Printed Name Affiliation	Printed Name Affiliation
		Signature	Signature

Sample Received on Ice? [x] Yes [ ] No
Cooler/Sample Secure? [x] Yes [ ] No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments


ORIGIN ID:HRLA (555) 555-5555
ANA LAB - RGV
2401 VILLAGE DR STE C
BROWNSVILLE, TX 78521
UNITED STATES US
SHIP DATE: 03MAR25
ACTWGT: 66.30 LB
CAD: 6994256/SSFE2600
DIMS: 24x14x13 IN
BILL THIRD PARTY
TO LOGIN
SPL
2600 DUDLEY RD
KILGORE TX 75662
(556) 565-5666
INV:
PO:
REF:
DEPT:
FedEx
Express
5 of 6
MPS#
0681
2860 3041 9584
Mstr#8086 3186 9676
0200
TUE - 04 MAR 10:30A
PRIORITY OVERNIGHT
AHS
75662
US SHV
XS
3.4.25 1040 DJS
Date Time Tech
Temp: 1.6 1.3 C
Therm#: 6443 Corr Fact: -0.3 C

March 17, 2025 Service Request No:E2500174

SPL, Inc.-Ana-lab
101 Ibex Lane
Broussard, LA 70518

Laboratory Results for: EDI1-R

Dear Project Manager,

Enclosed are the results of the sample(s) submitted to our laboratory March 05, 2025
For your reference, these analyses have been assigned our service request number **E2500174.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current TNI standards, where applicable, and except as noted in the laboratory case narrative provided. All results are intended to be considered in their entirety and ALS Environmental is not responsible for use of less than the complete final report. Results apply only to the items submitted to the laboratory, as received for analysis. In accordance with the current TNI Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 2190. You may also contact me via email at hussam.kelany@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

H Kelany

Hussam Kelany
Project Manager

ADDRESS 10450 Stancliff Rd., Suite 210, Houston, TX 77099
PHONE +1 281 530 5656 | FAX +1 281 530 5887
ALS Group USA, Corp.
dba ALS Environmental

Certificate of Analysis

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

Client:	SPL, Inc.-Ana-lab	**Service Request No.:**	E2500174
Project:	EDI1-R	**Date Received:**	03/05/25
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One sample was received for analysis at ALS Environmental in Houston on 03/05/25.

The sample was received in good condition and is consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

Precision and Accuracy:

EQ2500101: Laboratory Control Spike / **Duplicate Laboratory Control Spike (LCS/DLCS)** samples were analyzed and reported in lieu of a MS/MSD for this extraction batch.

B flags – Method Blanks

The Method Blank EQ2500101-01 contained low levels of target compounds below the Method Reporting Limit (MRL). The associated compounds in the samples are flagged with 'B' flags where the sample result is less than ten times the level detected in the method blank.

One compound, OCDD, was above the MRL (CRQL). ALS/Houston follows the ***EPA National Functional Guidelines for CDDs and CDFs, September 2005,*** which states on page 31, "The concentration of OCDD/OCDF in the method blank must be <3x the CRQL (MRL.):"

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

Detection Limits

Detection limits are calculated for each analyte in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ Summary results for each sample have been calculated by ALS/Houston to include:

- WHO-2005 TEFs, The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds (M. Van den Berg et al., Toxicological Sciences 93(2):223-241, 2006)
- Non-detected compounds are not included in the 'Total'
- The 1:1 and associated dilution have been combined into one TEQ Summary report

- EPA-89 TEFs, "Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Dibenzofurans (CDDs and CDFs)", 1989 EPA Update (EPA/625/3-89/016, March 1989)
- WHO-1998 TEFs, for PCBs, PCDDs, 21 PCDFs for humans and wildlife. (M. Van den Berg, et al., Environ Health Perspect 106: 775-792, 1998)

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS group USA Corp dba ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

Client: SPL, Inc.-Ana-lab **Service Request:**E2500174
Project: EDI1-R

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
E2500174-001	EDI1	3/3/2025	1400

Service Request Summary

Folder #: **E2500174**
Client Name: SPL, Inc.-Ana-lab
Project Name: EDI1-R
Project Number:

Report To:

SPL, Inc.-Ana-lab
101 Ibex Lane
Broussard, LA 70518
USA

Phone Number: 903-984-0551
Cell Number:
Fax Number: 903-984-5914
E-mail: kilgore.projectmanagement@spllabs.com

Project Chemist: Hussam Kelany
Originating Lab: HOUSTON
Logged By: MLUCIO
Date Received: 03/05/25
Internal Due Date: 4/2/2025
QAP: LAB QAP
Qualifier Set: HRMS Qualifier Set
Formset: Lab Standard
Merged?: Y
Report to MDL?: Y
P.O. Number:
EDD: No EDD Specified

3 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved
Location: EHRMS-WIC 9D
Pressure Gas:
NPDES

Lab Samp No.	Client Samp No	Matrix	Collected	Semivoa GCMS: Dioxins Furans/1613B
E2500174-001	EDI1	Water	03/03/25 1400	II

Service Request Summary

Folder #: **E2500174**
Client Name: SPL, Inc.-Ana-lab
Project Name: EDI1-R
Project Number:

Report To:

SPL, Inc.-Ana-lab
101 Ibex Lane
Broussard, LA 70518
USA

Phone Number: 903-984-0551
Cell Number:
Fax Number: 903-984-5914
E-mail: kilgore.projectmanagement@spllabs.com

Project Chemist: Hussam Kelany
Originating Lab: HOUSTON
Logged By: MLUCIO
Date Received: 03/05/25
Internal Due Date: 4/2/2025
QAP: LAB QAP
Qualifier Set: HRMS Qualifier Set
Formset: Lab Standard
Merged?: Y
Report to MDL?: Y
P.O. Number:
EDD: No EDD Specified

3 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved

Location: EHRMS-WIC 9D

Pressure Gas:

NPDES

Data Qualifiers

HRMS Qualifier Set

*	Indicates the samples were extracted outside of the recommended holding time.
B	Indicates the associated analyte was found in the method blank at >1/10th the reported value.
E	Estimated value. The reported concentration is above the calibration range of the instrument.
J	Estimated value. The reported concentration is below the MRL.
K	The ion abundance ratio between the primary and secondary ions were outside of theoretical acceptance limits.The concentration of this analyte should be considered as an estimate.
P	Chlorodiphenyl ether interference was present at the retention time of the target analyte. Reported result should be considered an estimate.
Q	Monitored lock-mass indicates matrix-interference. Reported result is estimated.
S	Signal saturated detector. Result reported from dilution.
U	Compound was analyzed for, but was not detected (ND).
X	See Case Narrative.
Y	Isotopically Labeled Standard recovery outside of acceptance limits. In all cases, the signal-to-nois ratios are greater than 10:1, making the recoveries acceptable.
i	The MDL/MRL have been elevated due to a matrix interference.

ALS Laboratory Group

Acronyms

Cal	Calibration
Conc	CONCentration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Arkansas Department of Environmental Quality	88-00356	3/28/2025
California State Environmental Laboratory Accreditation Program	2919-2024	4/30/2025
Department of Defense	L24-240	4/30/2026
Hawaii Department of Health	2024	4/30/2025
New Hampshire Environmental Laboratory Accreditation Program	209424-A	4/24/2025
Oregon Environmental Laboratory Accreditation Program	TX200002-2024	5/15/2025
Pennsylvania Department of Environmental Protection	68-03441	6/30/2025
Tennessee Department of Environment and Conservation	04016-2024	4/30/2025
Texas Commision on Environmental Quality	TX-C24-00130	4/30/2025

ALS ENVIRONMENTAL – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID: E2500174 | DB-5MSUI | SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date:	Analyst:	Samples:
03/14/25	LKL	001

Second Level - Data Review – to be filled by person doing peer review

Date:	Analyst:	Samples:
03/14/25	R.T.	001

Chain of Custody

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

SPL The Science of Sure

SUBCONTRACT CHAIN OF CUSTODY

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ALS Laboratory Group/Houston
10450 Stancliff Rd
Suite 210
Houston, TX 77099

EDI1 -R
111

Lab Number _____

ION1

PO Number _____

Effluent Permit Renewal

TAT Regular

Matrix: Non-Potable Water

Sample Collection Start

Date: 3/03/2025 **Time:** 14:00

Sampler Printed Name: REY DE LEON

Sampler Affiliation: SPL

Sampler Signature: [signature]

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

3 **Amber Glass Liter w/Teflon lined lid**

Subcontract !DIX Dioxins and Furans Subcontract 1613 CAS:ION1 (30.0 days)

Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
3/4/25 17:30	Printed Name: R DE LEON Affiliation: SPL Signature: [signature]	3/4/25 17:30	Printed Name: Affiliation: Signature: FedEx
	Printed Name: Affiliation: Signature:		Printed Name: Affiliation: Signature:
	Printed Name: Affiliation: Signature:		Printed Name: Affiliation: Signature:
	Printed Name: Affiliation: Signature:		Printed Name: Affiliation: Signature: 03/05/25 09:40

Sample Received on Ice? ☒ Yes ☐ No Method of Shipment: ☐ UPS ☐ Bus ☐ FedEx ☐ Lone Star ☐ Hand Delivered ☐ Other

Cooler/Sample Secure? ☒ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached

Hand Delivered to Region [ ]

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, SPL hall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments

Cooler: Red Temp: 0.8 and 3.4 °C

RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

Kilgore.ProjectManagement@spllabs.com

ORIGIN ID:HRLA (555) 555-5555

ANA LAB / RGV
2401 VILLAGE DR STE C

BROWNSVILLE, TX 78521
UNITED STATES US

SHIP DATE: 04MAR25
ACTWGT: 26.05 LB
CAD: 6994256/SSFE2600
DIMS: 16x16x10 IN

BILL THIRD PARTY

TO COREY
ALS LABORATORY GROUP
10450 STANDIFF RD
STE 210
HOUSTON TX 77099
(555) 555-5555 REF:
INV:
PO: DEPT:

FedEx
Express

E

J251024121701uv

WED - 05 MAR 10:30A
PRIORITY OVERNIGHT

TRK# 0200 8086 3186 9665

AHS
77099
TX-US IAH

XS SGRA

FedEx Tracking Number 8086 3186 9665

Form ID No. 0200

8086 3186 9665

E2500174 5

SPL, Inc.-Ana-lab
EDI1-R

10450 Stancliff Road, Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887
www.alsglobal.com

Client: SPL Date: 3.5.25 WO#:

Time Received: 9:40 Received by: SM BO#:

Matrices: Solid/Sludge Water Oil Wipes Hydrocarbon Liquid Other

Kit ID/Cooler ID	Trip Blank ID	Cooler Temp (C) Observed/Corrected	IR #	Temp BLK Present?
Red	—	0.8 / 0.8	34	Y N
		/		Y N
		/		Y N
		/		Y N
		/		Y N

Delivery Method: FedEx UPS Greyhound ALS Client Other

Date/Time of Unpacking: 3.5.25 12:00 Unpacked by: MC

Shipping container/cooler in good condition?	Yes	No	Not Present
Custody seals intact on shipping container/cooler?	Yes	No	Not Present
Custody seals intact on sample bottles?	Yes	No	Not Present
Chain of Custody present?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of Custody - Sampler's name present?	Yes	No	
Chain of Custody agrees with sample labels?	Yes	No	
Samples in proper container/bottle?	Yes	No	
VOA/TX1005/1006 Solids in hermetically Sealed Vials:	Yes	No	No VOA/TX1005/1006 Solid
Sample containers intact?	Yes	No	
Sufficient sample volume for indicated test?	Yes	No	
All samples received within holding time?	Yes	No	
Container/Temp Blank temperature in compliance?	Yes	No	
Water - VOA vials have zero headspace?	Yes	No	N/A No VOA submitted
Non-VOA waters preserved with HCl, H2SO4, HNO3 are pH <2?			Yes No ~~N/A~~
Waters preserved with NaOH/Ascorbic acid are pH>12?	Yes	No	~~N/A~~
pH adjusted?	Yes*	No	N/A *See Preservation Logbook

pH adjusted by: _____ **pH Paper Lot:** _____

US_QAFORM18

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SAMPLE ACCEPTANCE POLICY

This policy outlines the criteria samples must meet to be accepted by ALS Environmental – Houston HRMS.

Cooler Custody Seals (desirable, mandatory if specified in SAP):

- ✓ Intact on outside of cooler, signed and dated

Chain-of-Custody (COC) documentation (mandatory):

The following is required on each COC:

- ✓ Sample ID, the location, date and time of collection, collector's name, preservation type, sample type, and any other special remarks concerning the sampleThe COC must be completed in ink.
- ✓ Signature and date of relinquishing party.

In the absence of a COC at sample receipt, the COC will be requested from the client.

Sample Integrity (mandatory):

Samples are inspected upon arrival to ensure that sample integrity was not compromised during transfer to the laboratory.

- ✓ Sample containers must arrive in good condition (not broken or leaking).
- ✓ Samples must be labeled appropriately, including Sample IDs, and requested test using durable labels and indelible ink.
- ✓ The correct type of sample bottle must be used for the method requested.
- ✓ An appropriate sample volume, or weight, must be received.
- ✓ Sample IDs and number of containers must reconcile with the COC.
- ✓ Samples must be received within the method defined holding time.

Temperature Requirement (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6ºC.
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10ºC.
- ✓ Air samples are shipped and stored cold, at 0 to 6ºC
- ✓ The sample temperature must be recorded on the COC

All cooler inspections are documented on the Cooler Receipt Form (CRF). A separate CRF is completed for each service request. Any samples not meeting the above criteria are noted on the CRF and the Project Manager notified. The Project Manager must resolve any sample integrity issues with the client prior to proceeding with the analysis. Such resolutions are documented in writing and filed with the project folder. Data associated with samples received outside of this acceptance policy will be qualified on the case narrative of the final report

Preparation Information Benchsheets

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

Preparation Information Benchsheet

Prep Run#: 453578
Team: Semivoa GCMS/TWOODS

Prep WorkFlow: OrgExtAq(365)
Prep Method:

Status: Draft
Prep Date/Time: 3/10/25 11:24 AM

#	Lab Code	Client ID	B#	√	Method /Test	Matrix	Amt. Ext.	pH	Cl	I	M	C	Sample Description
1	E2500153-001	BP-2280 KNL BS	.01		1613B / Dioxins Furans	Wastewater	1044	10/5	X				1556 dark yellow 512
2	E2500153-002	BP-2285 KANEKA BS	.01		1613B / Dioxins Furans	Wastewater	994	7					1510 cream 516
3	E2500153-003	BP-2290 LYONDELL BS2	.01		1613B / Dioxins Furans	Wastewater	1034	7					1554 yellow 520
4	E2500153-004	BP-2300 LYONDELL BS	.01		1613B / Dioxins Furans	Wastewater	1054	7					1557 yellow 503
5	E2500154-001	25-01059-010	.01		1613B / Dioxins Furans	Water	1046	6					1490 clear 444
6	E2500155-001	North Area Filters	.01		1613B / Dioxins Furans	Water	984	5					1465 clear 481
7	E2500156-001	Cooling Tower Flter	.01		1613B / Dioxins Furans	Water	988	6					1470 yellow 482
8	E2500173-001	25-01229-010	.01		1613B / Dioxins Furans	Water	988	5					1433 clear 445
9	E2500174-001	EDI1	.01		1613B / Dioxins Furans	Water	1011	6					1462 tint yellow 451
10	E2500177-001	25021207-001A	.01		1613B / Dioxins Furans	Water	1041	6					1482 ↓ 441
11	E2500178-001	25021203-001A	.01		1613B / Dioxins Furans	Water	1036	6					1476 tint yellow 440
12	E2500179-001	25021201-001A	.01		1613B / Dioxins Furans	Water	1038	5					1488 ↓ 450
13	E2500184-001	BP-2310 AIR LIQUIDE BP B	.01		1613B / Dioxins Furans	Wastewater	1016	6					1533 yellow 517
14	E2500184-002	BP-2320 AIR LIQUIDE BP C5	.01		1613B / Dioxins Furans	Wastewater	1024	8					1541 yellow 517
15	E2500184-003	BP-2330 LA PORTE BP BS	.01		1613B / Dioxins Furans	Wastewater	1015	7					1528 yellow 513
16	E2500184-004	BP-2340 SHOREACRES BS	.01		1613B / Dioxins Furans	Wastewater	1013	8					1533 yellow 520
17	E2500185-001	OD-201 PLANT INFLUENT	.01		1613B / Dioxins Furans	Wastewater	1043	6					1549 light green 506
18	EQ2500101-01	MB			1613B / Dioxins Furans	Liquid	1000	5					
19	EQ2500101-02	LCS			1613B / Dioxins Furans	Liquid	1000	5					
20	EQ2500101-03	DLCS			1613B / Dioxins Furans	Liquid	1000	5	↓				

I: 1613 LWS 240502 @ 1000ul @ 2-4ng/ul
M: MWS 240452 @ 100ul 2-20ng/ml
C: CWS 240551 @ 100ul 2-8ng/ml

Supplementary Analytical Record

General Information:

Batch Number:	101
Prep. Run Number:	453578
Method:	1613B
Matrix:	Liquid
Apparatus Used:	Lg. Soxhlets / Small Soxhlets / Half-Gallon Jars / 250 mL Jars

Extraction

Hexane Lot #:	240233	Chlorine Strips Lot #:	235876
Dichloromethane Lot #:	239815	pH Strips Lot #:	240082
Toluene Lot #:	239437	Sodium Sulfate Lot #:	235888
Tridecane Lot #:	239604	Acid Lot#:	
Methanol Lot #:		Sodium Thiosulfate Lot#:	
Corn Oil Lot #:		Resin Lot #:	
Balance Serial Number:		Ottawa Sand ID:	
Rotovaps: Rotovap 1 ( ) or Rotovap 2 ( ) Analyst:			

Acid Clean-Up

Sulfuric Acid Lot#:	N/A.
Sodium Chloride Lot #:	

Column Clean-Up

Hexane Lot #:	240233	NaOH Silica Gel ID:	3761R042
Dichloromethane Lot#:	239815	H2SO4 Silica Gel ID:	3762046
Toluene Lot #:	239637	Silica Gel Lot #:	236863
Ethyl Acetate Lot #:	228220	Carbon Lot #:	236362
Glass Wool Lot #:	239605	Sodium Hydroxide Lot #:	
Balance Serial Number:		Sulfuric Acid Lot #:	
		Sodium Sulfate Lot #:	235888

Additional Notes:

Step-Time Processing:

Extraction:	3/10/25
Spike Time / Start Time	
Acid Clean-Up:	3/11/25 9:10 am
Column Clean-Up:	------NA------ 10:18 PM
Final Volume:	1:04 PM

Soxhlet:

Date/Time Up:

Date/Time Down:

Abbreviation Key:

Bench Sheet:
B#: LIMS bottle number
V: Chlorine Check (X = False)
I: Internal Standard Witness (initials)
M: Matrix Witness (initials)
C: Cleanup Standard Witness (initials)

STD Tracking:

I: Internal Spike (LIMS ID; Name; Conc; Initials)
M: Matrix Spike (LIMS ID; Name; Conc; Initials)
C: Cleanup Spike (LIMS ID; Name; Conc; Initials)

*Where additional standards are added to the sample, distinctions are made using unique symbols to indicate which standards are added to which samples.

Analytical Results

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	03/03/25 14:00
Sample Matrix:	Water	**Date Received:**	03/05/25 09:40
Sample Name:	EDI1	**Units:**	pg/L
Lab Code:	E2500174-001	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/13/25 01:21
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1011mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551802	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551799

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	1.85	4.95			1
1,2,3,7,8-PeCDD	0.618**BJK**		0.573	24.7	1.04	1.000	1
1,2,3,4,7,8-HxCDD	1.59**BJ**		0.204	24.7	1.26	1.000	1
1,2,3,6,7,8-HxCDD	0.213**BJK**		0.187	24.7	0.33	0.999	1
1,2,3,7,8,9-HxCDD	0.391**BJK**		0.190	24.7	0.57	1.007	1
1,2,3,4,6,7,8-HpCDD	4.15**BJ**		0.254	24.7	0.89	1.000	1
OCDD	47.1**J**		1.21	49.5	0.96	1.000	1
2,3,7,8-TCDF	ND	U	1.78	4.95			1
1,2,3,7,8-PeCDF	ND	U	1.07	24.7			1
2,3,4,7,8-PeCDF	ND	U	0.972	24.7			1
1,2,3,4,7,8-HxCDF	0.501**BJ**		0.101	24.7	1.33	1.000	1
1,2,3,6,7,8-HxCDF	ND	U	0.101	24.7			1
1,2,3,7,8,9-HxCDF	1.21**BJ**		0.137	24.7	1.23	1.001	1
2,3,4,6,7,8-HxCDF	0.635**BJ**		0.119	24.7	1.31	1.000	1
1,2,3,4,6,7,8-HpCDF	1.27**BJK**		0.139	24.7	0.77	1.000	1
1,2,3,4,7,8,9-HpCDF	0.419**BJK**		0.158	24.7	0.57	0.999	1
OCDF	10.6**BJK**		1.03	49.5	1.11	1.005	1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	03/03/25 14:00
Sample Matrix:	Water	**Date Received:**	03/05/25 09:40
Sample Name:	EDI1	**Units:**	pg/L
Lab Code:	E2500174-001	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/13/25 01:21
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1011mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551802	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551799

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	ND	U	1.85	4.95			1
Total Penta-Dioxins	ND	U	0.573	24.7			1
Total Hexa-Dioxins	2.26**J**		0.193	24.7	1.42		1
Total Hepta-Dioxins	8.35**J**		0.254	24.7	1.08		1
Total Tetra-Furans	ND	U	1.78	4.95			1
Total Penta-Furans	ND	U	1.02	24.7			1
Total Hexa-Furans	2.35**J**		0.113	24.7	1.33		1
Total Hepta-Furans	ND	U	0.148	24.7			1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	03/03/25 14:00
Sample Matrix:	Water	**Date Received:**	03/05/25 09:40
Sample Name:	EDI1	**Units:**	Percent
Lab Code:	E2500174-001	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/13/25 01:21
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1011mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551802	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551799

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	998.819	50		25-164	0.79	1.021
13C-1,2,3,7,8-PeCDD	2000	1128.420	56		25-181	1.56	1.187
13C-1,2,3,4,7,8-HxCDD	2000	1030.120	52		32-141	1.29	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1076.617	54		28-130	1.29	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1097.437	55		23-140	1.07	1.066
13C-OCDD	4000	1980.722	50		17-157	0.91	1.139
13C-2,3,7,8-TCDF	2000	769.516	38		24-169	0.79	0.992
13C-1,2,3,7,8-PeCDF	2000	924.732	46		24-185	1.61	1.144
13C-2,3,4,7,8-PeCDF	2000	977.907	49		21-178	1.62	1.176
13C-1,2,3,4,7,8-HxCDF	2000	990.653	50		26-152	0.52	0.971
13C-1,2,3,6,7,8-HxCDF	2000	987.520	49		26-123	0.52	0.974
13C-1,2,3,7,8,9-HxCDF	2000	923.470	46		29-147	0.52	1.008
13C-2,3,4,6,7,8-HxCDF	2000	866.115	43		28-136	0.51	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	914.953	46		28-143	0.42	1.042
13C-1,2,3,4,7,8,9-HpCDF	2000	1046.982	52		26-138	0.44	1.078
37Cl-2,3,7,8-TCDD	800	1430.462	179		35-197	NA	1.022

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	03/03/25 14:00
Sample Matrix:	Water	**Date Received:**	03/05/25 09:40
Sample Name:	EDI1	**Units:**	pg/L
Lab Code:	E2500174-001	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar

Toxicity Equivalency Quotient

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	1.85	4.95	1	1	
1,2,3,7,8-PeCDD	**0.618**	0.573	24.7	1	1	0.618
1,2,3,4,7,8-HxCDD	**1.59**	0.204	24.7	1	0.1	0.159
1,2,3,6,7,8-HxCDD	**0.213**	0.187	24.7	1	0.1	0.0213
1,2,3,7,8,9-HxCDD	**0.391**	0.190	24.7	1	0.1	0.0391
1,2,3,4,6,7,8-HpCDD	**4.15**	0.254	24.7	1	0.01	0.0415
OCDD	**47.1**	1.21	49.5	1	0.0003	0.0141
2,3,7,8-TCDF	ND	1.78	4.95	1	0.1	
1,2,3,7,8-PeCDF	ND	1.07	24.7	1	0.03	
2,3,4,7,8-PeCDF	ND	0.972	24.7	1	0.3	
1,2,3,4,7,8-HxCDF	**0.501**	0.101	24.7	1	0.1	0.0501
1,2,3,6,7,8-HxCDF	ND	0.101	24.7	1	0.1	
1,2,3,7,8,9-HxCDF	**1.21**	0.137	24.7	1	0.1	0.121
2,3,4,6,7,8-HxCDF	**0.635**	0.119	24.7	1	0.1	0.0635
1,2,3,4,6,7,8-HpCDF	**1.27**	0.139	24.7	1	0.01	0.0127
1,2,3,4,7,8,9-HpCDF	**0.419**	0.158	24.7	1	0.01	0.00419
OCDF	**10.6**	1.03	49.5	1	0.0003	0.00318
		Total TEQ				1.15

2005 WHO TEFs, ND = 0

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ2500101-01	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 12:54
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551787	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.930	5.00			1
1,2,3,7,8-PeCDD	0.968**J**		0.196	25.0	1.54	1.001	1
1,2,3,4,7,8-HxCDD	1.79**JK**		0.251	25.0	0.93	1.000	1
1,2,3,6,7,8-HxCDD	0.395**JK**		0.214	25.0	2.94	1.000	1
1,2,3,7,8,9-HxCDD	0.771**J**		0.225	25.0	1.08	1.006	1
1,2,3,4,6,7,8-HpCDD	1.33**JK**		0.240	25.0	1.24	1.000	1
OCDD	3.46**J**		0.420	50.0	0.94	1.000	1
2,3,7,8-TCDF	ND	U	0.665	5.00			1
1,2,3,7,8-PeCDF	ND	U	0.586	25.0			1
2,3,4,7,8-PeCDF	ND	U	0.530	25.0			1
1,2,3,4,7,8-HxCDF	0.489**JK**		0.125	25.0	1.86	1.000	1
1,2,3,6,7,8-HxCDF	0.652**J**		0.127	25.0	1.30	1.000	1
1,2,3,7,8,9-HxCDF	1.27**JK**		0.171	25.0	0.79	1.001	1
2,3,4,6,7,8-HxCDF	0.664**JK**		0.152	25.0	1.03	1.000	1
1,2,3,4,6,7,8-HpCDF	1.08**JK**		0.130	25.0	1.23	1.000	1
1,2,3,4,7,8,9-HpCDF	0.848**JK**		0.158	25.0	1.83	1.000	1
OCDF	4.43**J**		0.711	50.0	0.88	1.005	1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	pg/L
Lab Code:	EQ2500101-01	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 12:54
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551787	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	ND	U	0.930	5.00			1
Total Penta-Dioxins	1.09**J**		0.196	25.0	1.54		1
Total Hexa-Dioxins	0.771**J**		0.229	25.0	1.08		1
Total Hepta-Dioxins	ND	U	0.240	25.0			1
Total Tetra-Furans	ND	U	0.665	5.00			1
Total Penta-Furans	ND	U	0.558	25.0			1
Total Hexa-Furans	0.652**J**		0.142	25.0	1.30		1
Total Hepta-Furans	ND	U	0.144	25.0			1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	EQ2500101-01	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 12:54
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551787	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1467.042	73		25-164	0.78	1.021
13C-1,2,3,7,8-PeCDD	2000	1670.757	84		25-181	1.55	1.187
13C-1,2,3,4,7,8-HxCDD	2000	1464.452	73		32-141	1.29	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1677.835	84		28-130	1.27	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1573.950	79		23-140	1.10	1.066
13C-OCDD	4000	3122.665	78		17-157	0.90	1.139
13C-2,3,7,8-TCDF	2000	1165.559	58		24-169	0.80	0.992
13C-1,2,3,7,8-PeCDF	2000	1355.691	68		24-185	1.63	1.144
13C-2,3,4,7,8-PeCDF	2000	1429.604	71		21-178	1.62	1.177
13C-1,2,3,4,7,8-HxCDF	2000	1507.441	75		26-152	0.52	0.971
13C-1,2,3,6,7,8-HxCDF	2000	1453.635	73		26-123	0.53	0.974
13C-1,2,3,7,8,9-HxCDF	2000	1429.720	71		29-147	0.52	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1301.004	65		28-136	0.52	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1326.844	66		28-143	0.44	1.042
13C-1,2,3,4,7,8,9-HpCDF	2000	1506.055	75		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	1455.540	182		35-197	NA	1.022

Accuracy & Precision

ALS Environmental - Houston Specialties Laboratory
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (281)530-5656 Fax (281)530-5887
www.alsglobal.com

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Analyzed:**	03/12/25
Sample Matrix:	Water	**Date Extracted:**	03/10/25

Duplicate Lab Control Sample Summary
Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Units:**	pg/L
Prep Method:	Method Sep Funnel/Jar	**Basis:**	NA
		Analysis Lot:	872620

	Lab Control Sample EQ2500101-02			Duplicate Lab Control Sample EQ2500101-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,3,4,6,7,8-HpCDD	822	1000	82	937	1000	94	70-140	13	50
1,2,3,4,7,8-HxCDD	910	1000	91	967	1000	97	70-164	6	50
1,2,3,6,7,8-HxCDD	779	1000	78	829	1000	83	76-134	6	50
1,2,3,7,8,9-HxCDD	867	1000	87	924	1000	92	64-162	6	50
1,2,3,7,8-PeCDD	878	1000	88	887	1000	89	70-142	<1	50
2,3,7,8-TCDD	159	200	79	169	200	85	67-158	7	50
OCDD	1650	2000	82	1850	2000	93	78-144	12	50
1,2,3,4,6,7,8-HpCDF	920	1000	92	964	1000	96	82-122	5	50
1,2,3,4,7,8,9-HpCDF	884	1000	88	945	1000	95	78-138	7	50
1,2,3,4,7,8-HxCDF	814	1000	81	876	1000	88	72-134	7	50
1,2,3,6,7,8-HxCDF	866	1000	87	865	1000	87	84-130	<1	50
1,2,3,7,8,9-HxCDF	892	1000	89	1020	1000	102	78-130	14	50
1,2,3,7,8-PeCDF	950	1000	95	977	1000	98	80-134	3	50
2,3,4,6,7,8-HxCDF	951	1000	95	1000	1000	100	70-156	6	50
2,3,4,7,8-PeCDF	899	1000	90	911	1000	91	68-160	1	50
2,3,7,8-TCDF	182	200	91	188	200	94	75-158	3	50
OCDF	1650	2000	83	1910	2000	95	63-170	14	50

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	pg/L
Lab Code:	EQ2500101-02	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 20:13
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551796	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	159		0.849	5.00	0.75	1.001	1
1,2,3,7,8-PeCDD	878		0.516	25.0	1.61	1.000	1
1,2,3,4,7,8-HxCDD	910		0.232	25.0	1.29	1.000	1
1,2,3,6,7,8-HxCDD	779		0.196	25.0	1.29	1.000	1
1,2,3,7,8,9-HxCDD	867		0.207	25.0	1.27	1.007	1
1,2,3,4,6,7,8-HpCDD	822		0.466	25.0	1.05	1.000	1
OCDD	1650		2.60	50.0	0.87	1.000	1
2,3,7,8-TCDF	182		0.820	5.00	0.71	1.001	1
1,2,3,7,8-PeCDF	950		0.980	25.0	1.50	1.001	1
2,3,4,7,8-PeCDF	899		0.888	25.0	1.53	1.001	1
1,2,3,4,7,8-HxCDF	814		0.235	25.0	1.15	1.000	1
1,2,3,6,7,8-HxCDF	866		0.251	25.0	1.14	1.000	1
1,2,3,7,8,9-HxCDF	892		0.301	25.0	1.15	1.000	1
2,3,4,6,7,8-HxCDF	951		0.286	25.0	1.17	1.001	1
1,2,3,4,6,7,8-HpCDF	920		1.41	25.0	0.97	1.000	1
1,2,3,4,7,8,9-HpCDF	884		1.67	25.0	1.00	1.000	1
OCDF	1650		2.73	50.0	0.86	1.005	1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	pg/L
Lab Code:	EQ2500101-02	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 20:13
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551796	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	159		0.849	5.00	0.75		1
Total Penta-Dioxins	878		0.516	25.0	1.61		1
Total Hexa-Dioxins	2560		0.210	25.0	1.29		1
Total Hepta-Dioxins	822		0.466	25.0	1.05		1
Total Tetra-Furans	182		0.820	5.00	0.71		1
Total Penta-Furans	1850		0.933	25.0	1.76		1
Total Hexa-Furans	3520		0.267	25.0	1.15		1
Total Hepta-Furans	1800		1.53	25.0	0.97		1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Lab Control Sample	**Units:**	Percent
Lab Code:	EQ2500101-02	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 20:13
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551796	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1573.049	79		25-164	0.79	1.021
13C-1,2,3,7,8-PeCDD	2000	1723.695	86		25-181	1.58	1.186
13C-1,2,3,4,7,8-HxCDD	2000	1497.216	75		32-141	1.25	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1719.024	86		28-130	1.27	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1704.851	85		23-140	1.09	1.066
13C-OCDD	4000	3280.335	82		17-157	0.90	1.139
13C-2,3,7,8-TCDF	2000	1227.703	61		24-169	0.78	0.992
13C-1,2,3,7,8-PeCDF	2000	1419.735	71		24-185	1.61	1.144
13C-2,3,4,7,8-PeCDF	2000	1495.655	75		21-178	1.60	1.176
13C-1,2,3,4,7,8-HxCDF	2000	1483.907	74		26-152	0.52	0.971
13C-1,2,3,6,7,8-HxCDF	2000	1363.980	68		26-123	0.52	0.974
13C-1,2,3,7,8,9-HxCDF	2000	1497.497	75		29-147	0.51	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1302.186	65		28-136	0.52	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1288.225	64		28-143	0.43	1.042
13C-1,2,3,4,7,8,9-HpCDF	2000	1461.622	73		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	1374.863	172		35-197	NA	1.022

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Duplicate Lab Control Sample	**Units:**	pg/L
Lab Code:	EQ2500101-03	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 21:02
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551797	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	169		1.24	5.00	0.77	1.000	1
1,2,3,7,8-PeCDD	887		0.488	25.0	1.58	1.001	1
1,2,3,4,7,8-HxCDD	967		0.307	25.0	1.17	1.000	1
1,2,3,6,7,8-HxCDD	829		0.273	25.0	1.30	1.001	1
1,2,3,7,8,9-HxCDD	924		0.281	25.0	1.26	1.007	1
1,2,3,4,6,7,8-HpCDD	937		0.338	25.0	1.01	1.000	1
OCDD	1850		3.27	50.0	0.90	1.000	1
2,3,7,8-TCDF	188		0.812	5.00	0.73	1.001	1
1,2,3,7,8-PeCDF	977		0.460	25.0	1.50	1.000	1
2,3,4,7,8-PeCDF	911		0.412	25.0	1.50	1.000	1
1,2,3,4,7,8-HxCDF	876		0.325	25.0	1.24	1.000	1
1,2,3,6,7,8-HxCDF	865		0.316	25.0	1.16	1.000	1
1,2,3,7,8,9-HxCDF	1020		0.475	25.0	1.08	1.000	1
2,3,4,6,7,8-HxCDF	1000		0.384	25.0	1.19	1.000	1
1,2,3,4,6,7,8-HpCDF	964		1.28	25.0	0.99	1.000	1
1,2,3,4,7,8,9-HpCDF	945		1.67	25.0	1.04	1.000	1
OCDF	1910		3.37	50.0	0.81	1.005	1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Duplicate Lab Control Sample	**Units:**	pg/L
Lab Code:	EQ2500101-03	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 21:02
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551797	**Blank File Name:**	P551787
ICAL Date:	11/04/24	**Cal Ver. File Name:**	P551784

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	169		1.24	5.00	0.77		1
Total Penta-Dioxins	887		0.488	25.0	1.58		1
Total Hexa-Dioxins	2720		0.286	25.0	1.17		1
Total Hepta-Dioxins	937		0.338	25.0	1.01		1
Total Tetra-Furans	188		0.812	5.00	0.73		1
Total Penta-Furans	1890		0.436	25.0	1.50		1
Total Hexa-Furans	3770		0.366	25.0	1.24		1
Total Hepta-Furans	1910		1.46	25.0	0.99		1

Client:	SPL, Inc.-Ana-lab	**Service Request:**	E2500174
Project:	EDI1-R	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Duplicate Lab Control Sample	**Units:**	Percent
Lab Code:	EQ2500101-03	**Basis:**	NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method:	1613B	**Date Analyzed:**	03/12/25 21:02
Prep Method:	Method Sep Funnel/Jar	**Date Extracted:**	3/10/25
Sample Amount:	1000mL	**Instrument Name:**	E-HRMS-07
		GC Column:	DB-5MSUI
Data File Name:	P551797	**Blank File Name:**	P551787
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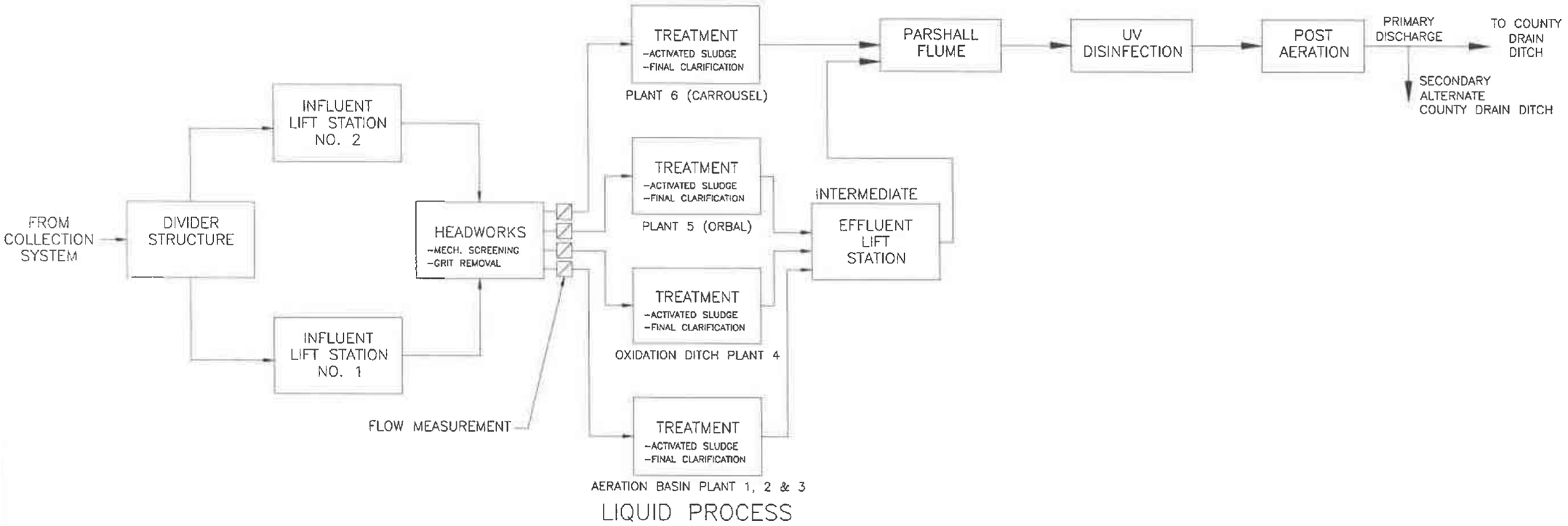
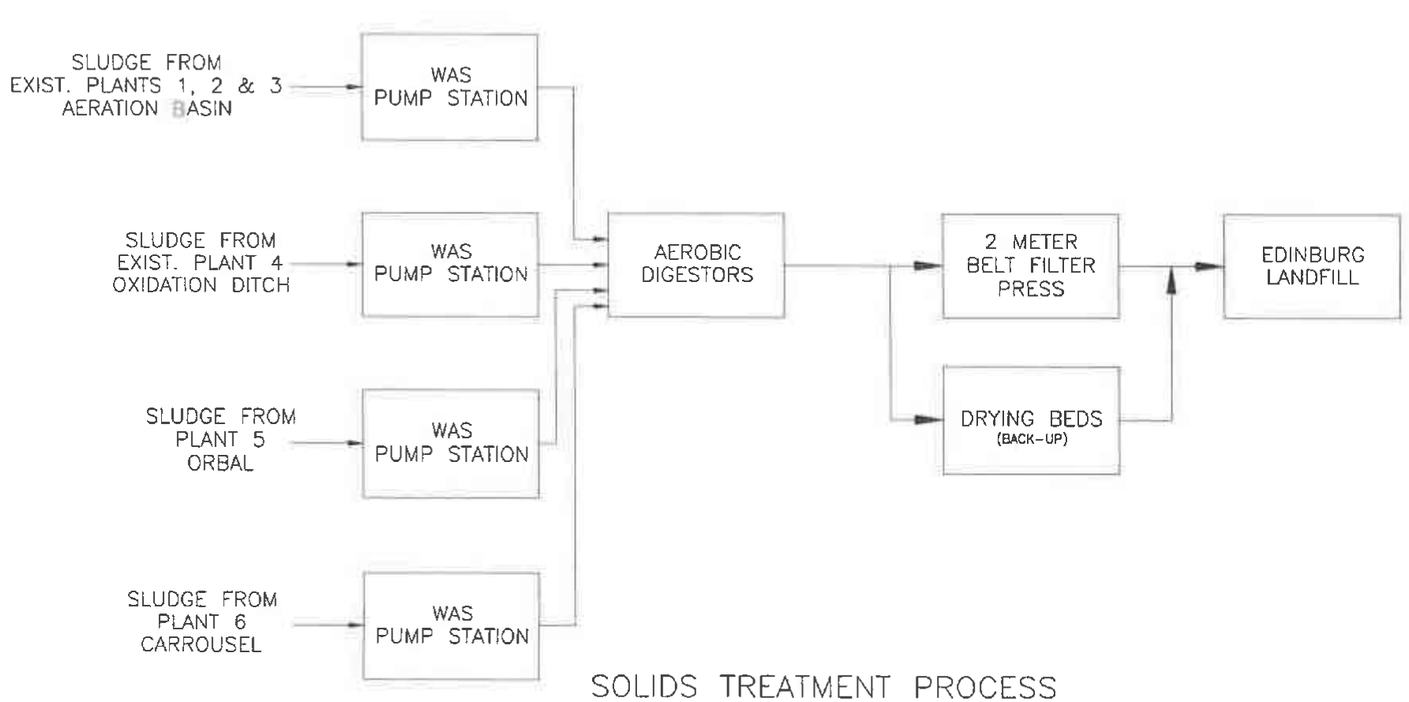
Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1487.306	74		25-164	0.78	1.021
13C-1,2,3,7,8-PeCDD	2000	1747.470	87		25-181	1.56	1.187
13C-1,2,3,4,7,8-HxCDD	2000	1465.742	73		32-141	1.24	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1591.044	80		28-130	1.25	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1425.573	71		23-140	1.07	1.066
13C-OCDD	4000	2675.745	67		17-157	0.92	1.139
13C-2,3,7,8-TCDF	2000	1168.371	58		24-169	0.80	0.992
13C-1,2,3,7,8-PeCDF	2000	1412.474	71		24-185	1.59	1.144
13C-2,3,4,7,8-PeCDF	2000	1488.569	74		21-178	1.61	1.177
13C-1,2,3,4,7,8-HxCDF	2000	1486.087	74		26-152	0.51	0.971
13C-1,2,3,6,7,8-HxCDF	2000	1502.881	75		26-123	0.53	0.974
13C-1,2,3,7,8,9-HxCDF	2000	1326.556	66		29-147	0.52	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1294.859	65		28-136	0.53	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1274.324	64		28-143	0.44	1.042
13C-1,2,3,4,7,8,9-HpCDF	2000	1329.056	66		26-138	0.43	1.078
37Cl-2,3,7,8-TCDD	800	1443.853	180		35-197	NA	1.022



LIQUID PROCESS



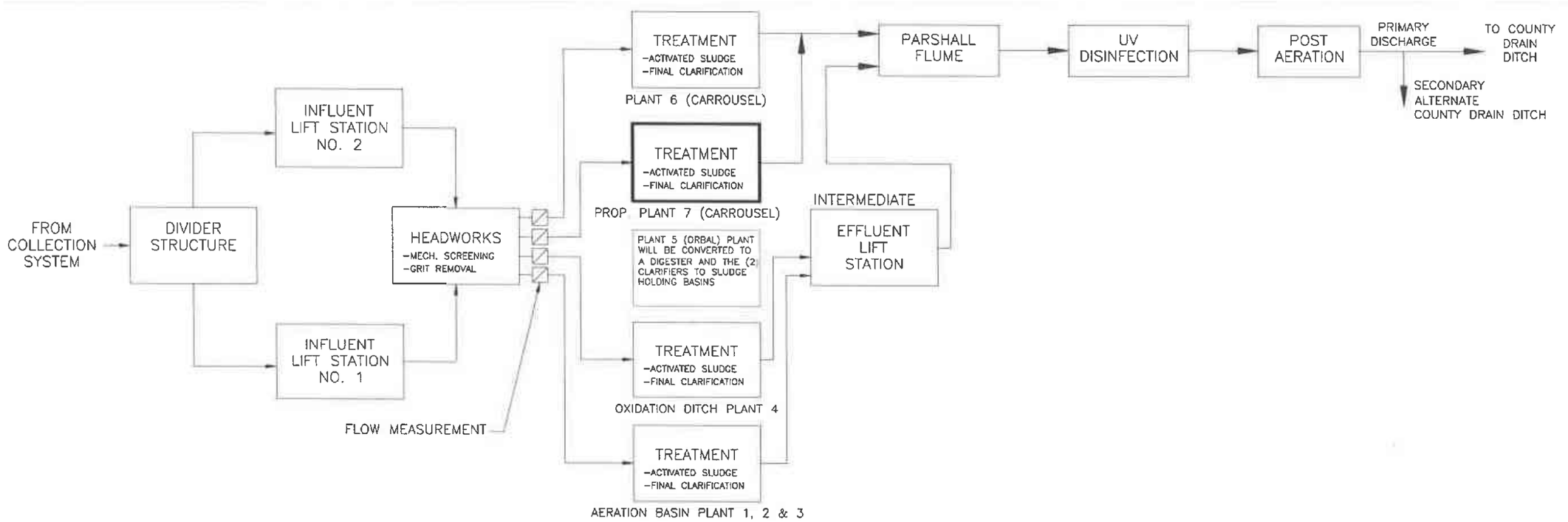
SOLIDS TREATMENT PROCESS

halff
5000 West Military Hwy.
Ste. 100
McAllen, Texas 78503

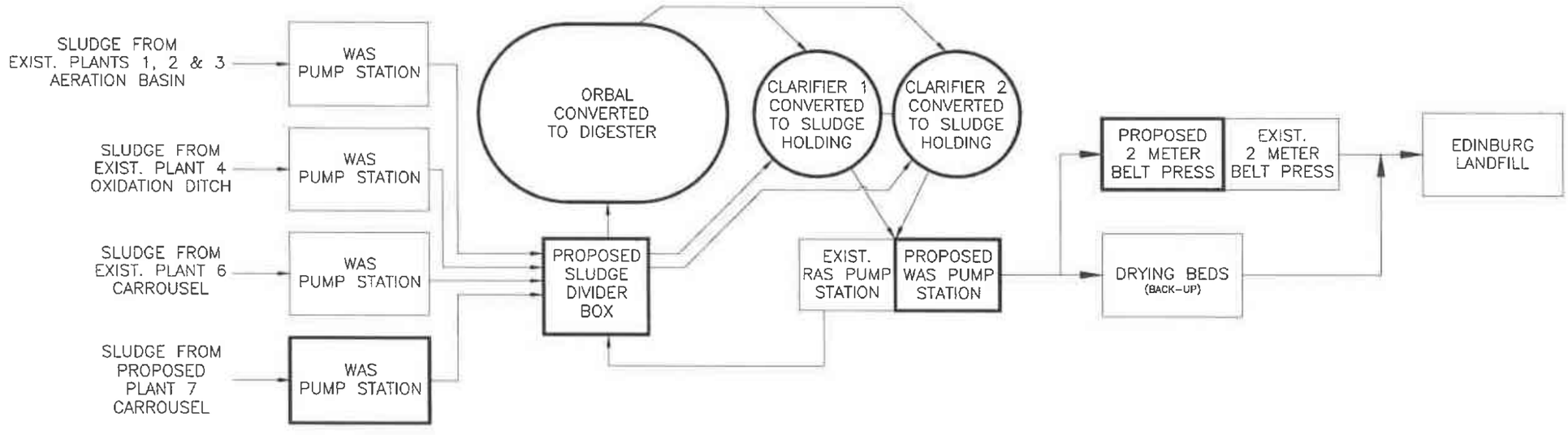
EDINBURG WWTP EXISTING FLOW DIAGRAM

NTS

AVO
59431.001



LIQUID PROCESS



SOLIDS TREATMENT PROCESS

halff

5000 West Military Hwy.
Ste. 100
McAllen, Texas 78503

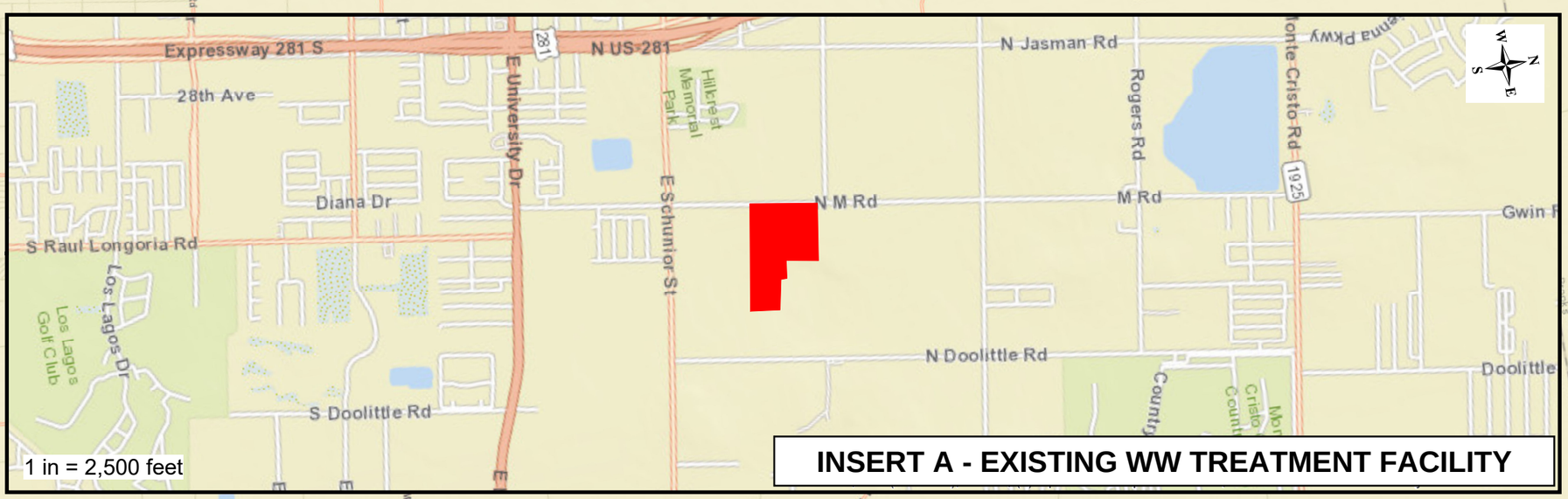
EDINBURG WWTP EXPANDED FLOW DIAGRAM

NTS

AVO
59431.001

Legend

- City Limits
- Existing WWTP
- Edinburg WW CCN



INSERT A - EXISTING WW TREATMENT FACILITY

SEE INSERT A

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

halff

5000 West Military Hwy.
Ste. 100
McAllen, Texas 78503

EDINBURG WWTP
SITE DRAWING

1 in = 2.5 miles

AVO
59431.001

Brandon Maldonado

From: Brandon Maldonado
Sent: Friday, May 23, 2025 4:15 PM
To: Kristina Leal
Cc: Russell Limas; gcarmona; Arturo Martinez; Leonardo Garcia
Subject: RE: Application to Renew Permit No. WQ0010503002 - Notice of Deficiency Letter

Good afternoon,

I apologize for the late response. Your response is sufficient for all items of the NOD. I will now work to admin complete your application.

Please let me know if you have any questions.

Regards,

Brandon Maldonado
Texas Commission on Environmental Quality
Water Quality Division
512-239-4331
Brandon.Maldonado@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

---

From: Kristina Leal <kleal@halff.com>
Sent: Wednesday, May 21, 2025 7:30 PM
To: Brandon Maldonado <Brandon.Maldonado@tceq.texas.gov>
Cc: Russell Limas <rlimas@halff.com>; gcarmona <gcarmona@cityofedinburg.com>; Arturo Martinez <amartinez@cityofedinburg.com>; Leonardo Garcia <lgarcia@cityofedinburg.com>
Subject: RE: Application to Renew Permit No. WQ0010503002 - Notice of Deficiency Letter

Dear Mr. Maldonado,

Please find attached the additional information requested in your NOD letter sent via email on May 9, 2025, and included below in this thread. Please let me know if you require any additional information.

Kristina Leal

Kristina Leal, PE, CFM
Water/Wastewater Team Leader

Halff
O: 956.445.5198 | **C:** 956.867.3400
E: kleal@halff.com

Celebrating our legacy of improving lives and communities.

From: Brandon Maldonado <Brandon.Maldonado@tceq.texas.gov>
Sent: Friday, May 9, 2025 3:59 PM
To: Kristina Leal <kleal@halff.com>
Subject: Application to Renew Permit No. WQ0010503002 - Notice of Deficiency Letter

Dear Mrs. Kristina Leal

The attached Notice of Deficiency (NOD) letter sent on **May 9, 2025,** requests additional information needed to declare the application administratively complete. Please send complete response to my attention by **May 23, 2025.**

Please let me know if you have any questions.

Regards,

Brandon Maldonado
Texas Commission on Environmental Quality
Water Quality Division
512-239-4331
Brandon.Maldonado@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 9, 2025

Ms. Kristina Leal
Team Leader
Halff Associates
5000 W Military Highway, Suite 100
Mcallen, Texas 78503

RE: Application to Renew Permit No.: WQ0010503002 (EPA I.D. No. TX0024112)
Applicant Name: City of Edinburg (CN600647978)
Site Name: City of Edinburg WWTP (RN102080603)
Type of Application: Renewal without changes

Cristo

78542?

IA EMAIL

Dear Ms. Leal:

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.

13,500,000

No. 1 (HCDD1

1. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

   APPLICATION. City of Edinburg, 415 West University Drive, Edinburg, Texas 78539, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010503002 (EPA I.D. No. TX0024112) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 12,300,000 gallons per day. The domestic wastewater treatment facility is located at 1202 North M Road, near the city of Edinburg, in Hidalgo County, Texas 78539. The discharge route is from the plant site via a 60-inch pipe to an unnamed Hidalgo County Drainage District (HCDD) ditch; thence to HCDD No. 1 Monte Christo; thence to North Main Drain (North Route); and via a 30-inch pipe to Curry Main Drainage Ditch; thence to HCDD No. 1 South Main Drain (South Route); thence both routes to the HCDD No. 1 Main Floodwater Channel (Main Drain); thence to Laguna Madre. TCEQ received this application on April 30, 2025. The permit application will be available for viewing and copying at Edinburg City Hall, First Floor Information Desk, 415 West University Drive, Edinburg, in Hidalgo County, Texas prior to the date this

notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.135,26.31&level=18

Further information may also be obtained from City of Edinburg at the address stated above or by calling Mr. Gerardo Carmona, Jr., P.E., City of Edinburg, at 956-388-8212.

2. 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 May 23, 2025. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4331 or by email at Brandon.Maldonado@tceq.texas.gov

Sincerely,

Brandon Maldonado
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

Brandon Maldonado

Enclosure(s)

May 21, 2025

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

Via electronic transmission: Brandon.Maldonado@tceq.texas.gov

Re: Application to Renew Permit No.: WQ0010503002 (EPA I.D. No. TX0024112)
Applicant Name: City of Edinburg (CN600647978)
Site Name: City of Edinburg WWTP (RN102080603)
Type of Application: Renewal without changes

Dear Mr. Maldonado:

This letter and its attachments are provided in response to the Notice of Deficiency (NOD) letter emailed by you on May 9, 2025, for the above referenced Texas Pollution Discharge Elimination Systems (TPDES) permit renewal application. The following additional information is attached for your review:

1. Copy of your letter with comments indicated on the excerpt of the Notice of Receipt of Application and Intent to Obtain a Permit (NORI).
2. Microsoft Word document with excerpt of the NORI that was included in your letter.
3. Microsoft Word document with Spanish language NORI.

I understand that these items are needed for this application to be declared administratively complete. Kindly let me know if there are any other items needed.

Sincerely,

Kristina Leal
Water/Wastewater Team Leader

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. WQ0010503002

SOLICITUD. *La Ciudad de Edinburg, 415 West University Drive, Edinburg, Texas 78539*, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010503002 (EPA I.D. No. TX 0024112) 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 *13,500,000* galones por día. La planta está ubicada *en 1202 North M Road, cerca de la Ciudad de Edinburg* en el Condado de *Hidalgo*, Texas *78542*. La ruta de descarga es del sitio de la planta *via una línea de 60-pulgadas a una zanja de drenaje sin nombre que le pertenece a el Distrito de Drenaje del Condado Hidalgo (HCDD1), de ahí a otra zanja de drenaje del HCDD1 en la calle Monte Cristo, de ahí a la zanja de drenaje llamada North Main Drain (Ruta Norte); y también via una línea de 30 pulgadas a una zanja de drenaje llamada Curry Main Drainage Ditch; de ahí a otra zanja de drenaje perteneciente del HCDD1 llamada South Main Drain (Ruta Sur); de ahí las dos rutas se unen a la zanja de drenaje del HCDD1 llamada Main Floodwater Channel (Zanja de Drenaje Principal); de ahí a la Laguna Madre*. La TCEQ recibió esta solicitud el *30 de Abril del 2025*. La solicitud para el permiso estará disponible para leerla y copiarla en *el primer piso en la zona de recepción e información en Edinburg City Hall, 415 West University Drive, Edinburg, en el Condado de Hidalgo, 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=-98.135,26.31&level=18*

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

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 es un procedimiento 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 www.tceq.texas.gov/goto/cid. 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 de *la Ciudad de Edinburg* a la dirección indicada arriba o llamando a *Gerardo Carmona, Jr., P.E., Ciudad de Edinburg* al *teléfono 956-388-8212.*

Fecha de emisión: *[Date notice issued]*

APPLICATION. City of Edinburg, 415 West University Drive, Edinburg, Texas 78539, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010503002 (EPA I.D. No. TX0024112) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 13,500,000 gallons per day. The domestic wastewater treatment facility is located at 1202 North M Road, near the city of Edinburg, in Hidalgo County, Texas 78542. The discharge route is from the plant site via a 60-inch pipe to an unnamed Hidalgo County Drainage District No. 1 (HCDD1) ditch; thence to HCDD1 Monte Cristo; thence to North Main Drain (North Route); and via a 30-inch pipe to Curry Main Drainage Ditch; thence to HCDD1 South Main Drain (South Route); thence both routes to the HCDD1 Main Floodwater Channel (Main Drain); thence to Laguna Madre. TCEQ received this application on April 30, 2025. The permit application will be available for viewing and copying at Edinburg City Hall, First Floor Information Desk, 415 West University Drive, Edinburg, in Hidalgo County, Texas prior to the date notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.135,26.31&level=18

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